SEPTEMBER 2023

PRODUCT CATALOGUE

Copeland scroll compressors

For air conditioning

COPELAND

Our mission

- Ensuring health and human comfort
- Protecting food quality and sustainability
- Advancing energy efficiency and environmental conservation
- Creating sustainable infrastructure

Using advanced technology to provide customers with world-class products

Copeland is the world's leading provider of heating, ventilation, air conditioning and refrigeration solutions for residential, commercial and industrial applications, supporting the industry with advanced technology, technical support and training services.

Over the past 80 years, Copeland has introduced a number of pioneering technologies to the market from the first semi-hermetic compressor from the 1940s, to fully hermetic compressors of the 1950s, the efficient Discus semi-hermetic compressors in the 1980s, the scroll compressors for air conditioning and heating in the 1990s, to today's latest Stream semi-hermetic and digital scroll compressors. Copeland has been on the forefront of technological innovation.

Not only that, but we also offer exceptional solutions for the air conditioning and refrigeration markets. Copeland is the leading solution provider for the air conditioning and refrigeration industry. The company's Copeland brand offers a wide range of solutions: from scroll and semi-hermetic compressors for both primary refrigerants to variable capacity outputs. Regulated compressors and compressors equipped with intelligent electronic control components. Copeland is leading the development of compressor technology to new heights.

Residential air conditioning

Heat pump water heating

Variable speed

Modulation applications

Commercial air conditioning

Application range	
Code	Description
R	For air conditioning: R22, R134a, R407, R407C
P	For air conditioning: R410A
E	For air conditioning: R32
J	For air conditioning: R410A, high ambient temperature

Capacity
Compressor nominal cooling capacity under AHRI rating condition @60 Hz; two or three significant digits bit; unit is BTU/Hr.

Optional	
Code	Description
E	POE oil
Default	

Application range	
Code	Description
F	Internal inherent protection - one protector
W	External electronic protection
E	External module with CoreSense diagnostics/ protection

Bill of materials

Z R D U 1 2 K C E - T F D - 5 2 2

Product family
Z scroll compressor

Capability multitude	
K	1,000
M	10,000

Compressor motor type	
Code	Phase
P	1
T	3
B	BPM

Configuration	
Code	Description
D	Digital
DU	Digital uneven tandem
DT	Digital even tandem
I	Fixed speed EVI
J	Digital EVI
T	Even tandem
U	Uneven tandem
Y	Trio

Model series variations
A number or letter assigned to indicate different model types within any family series
3
5
A
C
E
M
S

Application range		
Code	50Hz	60Hz
V	200-1	208-230-1
5	200~220-3	200~230-3
7	(-)	380/400-3
D	380~420-3	460-3
C	200-3	208~230-3
J	220~240-1	265-1
Z	220~240-1	(-)
M	380~420-3	(-)
P	380-3	(-)
S	220-1	(-)
B	(-)	230-1

Application range		
Code	Application	Refrigerant
A	High-pressure refrigerant for air conditioning	R454B/R452B
P	High-pressure refrigerant for air conditioning	R32
R	Medium-pressure refrigerant for air conditioning	R454C, R455A, R454A, R1234YF
H	Optimized for heating	R452B, R454B, R454C,R455A / R290

Model series variations
Z
A

Motor protection type	
Code	Description
F	Built-in protection - one protector
W	External electronic protection
E	External module with CoreSense diagnostics/ protection

Bill of materials

Y P D U 1 2 3 K Z T - T N D - X X X

Compressor type
Y - Scroll A2L/A3
L - Scroll A2L/A3 (for China)

Capability	
K	1,000
M	10,000

Compressor motor type	
Code	Phase
P	1
T	3
B	BPM

Configuration	
Code	Description
D	Digital
DU	Digital uneven tandem
DT	Digital even tandem
I	Fixed speed EVI
J	Digital EVI
T	Even tandem
U	Uneven tandem
Y	Trio

Optional	
Code	Description
E	POE oil
P	P POE oil (high pressure refrigerant)
U	U POE oil (R290)
T	T VG46 POE 4MA oil

Application range		
Code	50Hz	60Hz
V	200-1	208-230-1
5	200~220-3	200~230-3
7	(-)	380/400-3
D	380~420-3	460-3
C	200-3	208~230-3
J	220~240-1	265-1
Z	220~240-1	(-)
M	380~420-3	(-)
P	380-3	(-)
S	220-1	(-)
B	(-)	230-1

Application range		
Code	Application	Refrigerant
P	For air conditioning / heat pump	R410A
H	Dedicated for heat pumps	R410A, R290
E	(-)	R32

Model series evolution
1
2
A
B
C
S
D
L

Protection type	
Code	Description
E	With Copeland drive
X	Compressor only

Bill of materials

Z P V T 0 3 8 2 E - 1 E 9 - X X X

Compressor type
Z - Scroll
V - Scroll (for China)
V - Scroll (for export to the US)
J - High pressure chamber scroll

Variable capacity	
Code	Description
V	Frequency conversion type
W	Inverter EVI type (the second place is optional)
T	Even tandem
U	Uneven tandem

Displacement
3 digits

Optional	
Code	Description
E	POE oil
P	POE R410A
U	HXL hatcol R290
C	PVE

Motor types
1
2
3
4
5
6
7
8
L
N
Q

Reserved for future use

Application range		
Code	Application	Refrigerant
P	For air conditioning / heat pump	R32/R454B/R452B
H	Optimized for heating	R452B, R454B/R290

Model series variations
1
2

Motor types
1
2
3
4
5
7
9

Protection type	
Code	Description
E	With Copeland drive
X	Compressor only

Bill of materials

Y P V T 0 3 8 1 V - 1 E 9 - X X X

Compressor type
Y - Scroll A2L/A3
Y- Scroll A2L/A3 (for China)

Displacement
3 digits

Reserved for future use

Variable capacity	
Code	Description
V	Frequency conversion type
W	Inverter EVI type (the second place is optional)
T	Even tandem
U	Uneven tandem

Optional	
Code	Description
E	POE oil
P	POE oil R410A
U	POE oil R290
T	POE VG46 oil R32
V	POE A2L

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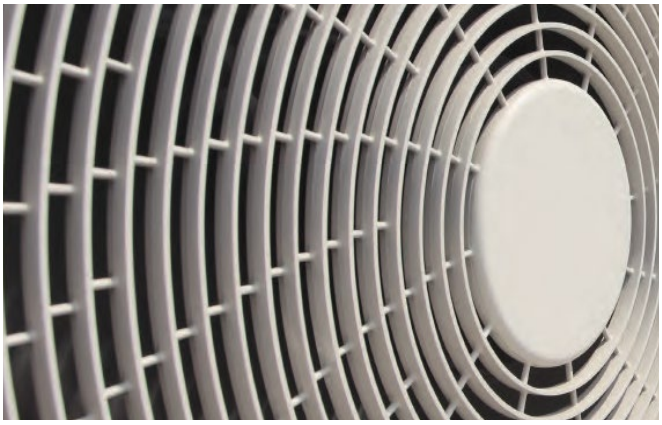
Copeland scroll compressor

R22, R407C and R134a refrigerant



Copeland scroll compressors for R22, R407C and R134a refrigerants are widely used in air conditioning, industrial cooling and precision cooling applications.

Scroll compressors have been widely used in the air conditioning industry: from split systems, rooftop, packaged units to chillers. Scroll compressors have widely replaced reciprocating compressors due to their unquestionable superiority. Multi-compressor assemblies (tandem and trio) maybe applied to larger capacity systems, providing users with excellent comfort while reducing operating costs with higher seasonal energy efficiency ratios.

The capacity of a single compressor ranges from 5kW (ZR18) to 90kW (ZR380). After paralleling the two units and connecting the three units in parallel, the capacity range can be extended to 180kW and 330kW.

Efficiency

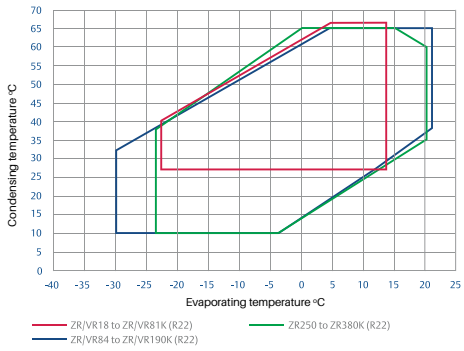
Reliability

Low life cycle cost

Features and benefits

- Copeland scroll axial and radial compliance technology guarantees excellent reliability and high compressor efficiency.
- Wide product capacity range
- Low oil circulation rate
- Excellent liquid handling capability
- Low sound and vibration levels
- Low LCCP (Life Cycle Climate Performance)
- Qualified tandem and trio configurations for superior seasonal efficiency

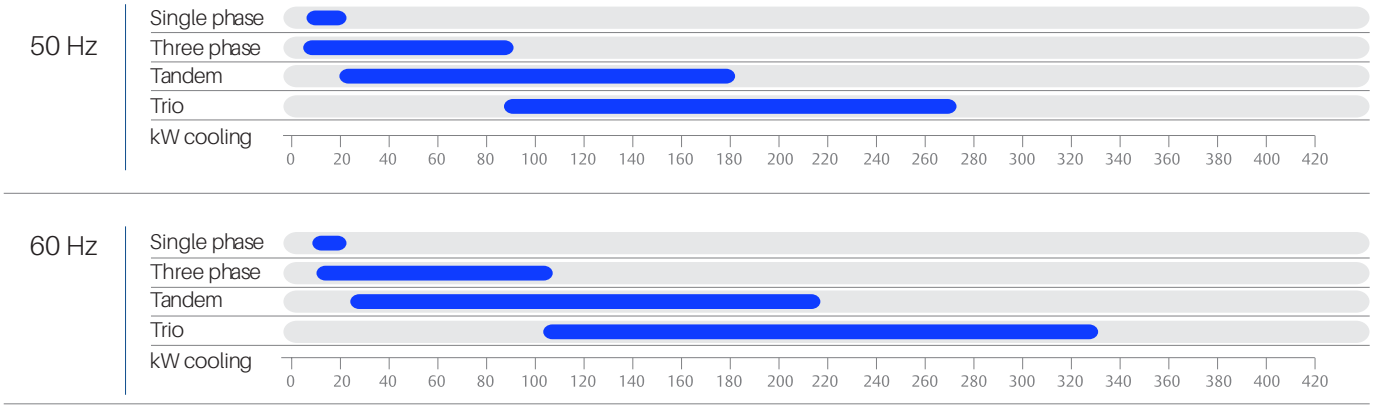
Operating envelopes



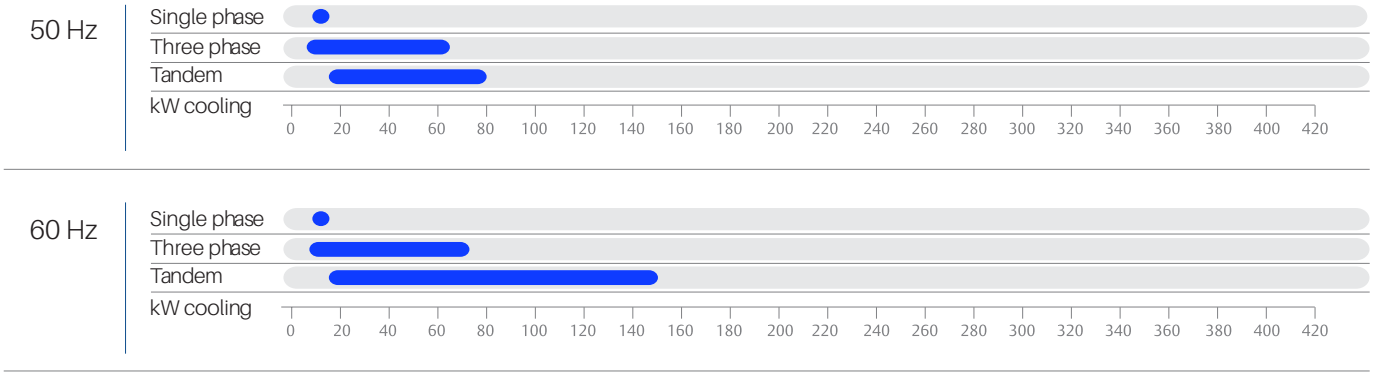
Remarks: For more information about the operating range of R407C and R134a products, please consult the application engineer's actual operating range. Please refer to the application guide

Product line up

R22/R407C



R134a



220-240V; 50 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR16K4	PFJ	1.3	3,927										
ZR18K4	PFJ	1.5	4,337	14,800	1,450	6.9	2.99	10.2	24.9	0.74	19.5	35.0	65.0
ZR21K5E	PFJ	1.8	5,055	17,250	1,675	7.8	3.02	10.3	29.0	0.74	21.3	54.0	65.0
ZR21K5	PFJ	1.8	5,055	17,250	1,675	7.8	3.02	10.3	29.0	0.74	21.3	54.0	65.0
ZR22K3	PFJ	1.8	5,334	18,200	1,730	8.0	3.08	10.5	30.6	1.12	36.3	47.0	65.0
ZR22K4	PFJ	1.8	5,305	18,100	1,720	8.0	3.08	10.5	30.3	0.74	19.5	48.0	65.0
ZR24K3	PFJ	2.0	5,920	20,200	1,920	9.2	3.08	10.5	34.1	1.12	24.9	58.0	65.0
ZR24K4	PFJ	2.0	5,832	19,900	1,870	8.4	3.12	10.6	33.1	0.74	20.0	52.0	65.0
ZR25K5E	PFJ	2.0	6,067	20,700	1,950	9.3	3.11	10.6	34.1	0.74	22.2	61.0	65.0
ZR25K5	PFJ	2.0	6,067	20,700	1,950	9.3	3.11	10.6	34.1	0.74	22.2	61.0	65.0
ZR26K3	PFJ	2.0	6,360	21,700	2,010	9.5	3.16	10.8	36.1	1.12	24.0	60.0	65.0
ZR26KF	PFZ	2.0	6,272	21,400	1,950	9.2	3.22	11.0	34.6	0.77	19.5	53.0	63.0
ZR26KM	PFZ	2.0	6,272	21,400	1,900	8.8	3.30	11.3	34.6	0.77	19.5	53.0	63.0
ZR28K3	PFJ	2.5	6,916	23,600	2,190	10.4	3.16	10.8	39.3	1.12	24.0	61.0	65.0
ZR28K5E	PFJ	2.5	6,829	23,300	2,200	10.8	3.10	10.6	38.7	0.74	22.7	79.0	65.0
ZR28K5	PFJ	2.5	6,829	23,300	2,200	10.8	3.10	10.6	38.7	0.74	22.7	79.0	65.0
ZR28KM	PFZ	2.5	6,741	23,000	2,020	9.2	3.34	11.4	37.2	0.77	19.1	52.9	63.0
ZR30K3	PFJ	2.5	7,385	25,200	2,330	11.1	3.17	10.8	42.0	1.24	28.1	74.0	65.0
ZR30KM	PFZ	2.5	7,327	25,000	2,190	10.1	3.35	11.4	40.5	0.77	19.1	52.9	63.0
ZR30KS	PFZ	2.5	7,327	25,000	2,230	10.2	3.29	11.2	41.0	0.74	21.8	60.0	68.0
ZR32K3	PFJ	2.5	7,766	26,500	2,430	11.8	3.20	10.9	43.4	1.24	28.6	74.0	68.0
ZR32K5E	PFJ	2.5	7,620	26,000	2,430	11.7	3.14	10.7	44.1	0.74	22.7	79.0	65.0
ZR32K5	PFJ	2.5	7,620	26,000	2,430	11.7	3.14	10.7	44.1	0.74	22.7	79.0	65.0
ZR32KS	PFZ	2.5	7,913	27,000	2,410	10.9	3.28	11.2	44.2	0.74	21.8	66.0	68.0
ZR34K3	PFJ	3.0	8,235	28,100	2,550	12.1	3.23	11.0	46.2	1.24	25.9	76.0	68.0
ZR34KH	PFJ	3.0	8,206	28,000	2,520	13.6	3.26	11.1	46.2	1.04	36.3	100.0	66.0
ZR36K3	PFJ	3.0	8,851	30,200	2,720	13.1	3.25	11.1	49.5	1.24	30.8	82.0	68.0
ZR36KH	PFJ	3.0	8,880	30,300	2,730	13.6	3.25	11.1	49.5	1.24	13.6	100.0	68.0
ZR38K5	PFJ	3.0	9,115	31,100	2,850	13.6	3.20	10.9	51.0	1.24	30.8	87.0	70.0
ZR39KH	PFJ	3.5	9,847	33,600	3,000	14.6	3.28	11.2	54.2	1.24	30.4	114.0	68.0
ZR40K3	PFJ	3.5	9,759	33,300	3,000	14.7	3.25	11.1	54.2	1.24	26.8	100.0	68.0
ZR42K3	PFJ	3.5	10,257	35,000	3,150	15.2	3.26	11.1	57.2	1.24	31.8	97.0	68.0
ZR42K5E	PFJ	3.5	10,170	34,700	3,130	16.0	3.25	11.1	56.5	1.24	30.8	122.0	70.0
ZR42K5	PFJ	3.5	10,170	34,700	3,130	16.0	3.25	11.1	56.5	1.24	30.8	122.0	70.0
ZR42KH	PFZ	3.5	10,257	35,000	3,150	15.8	3.26	11.1	57.2	1.24	31.3	114.0	68.0
ZR45K3	PFJ	3.5	11,195	38,200	3,380	16.4	3.31	11.3	61.1	1.24	32.2	114.0	68.0
ZR47K3	PFJ	4.0	11,547	39,400	3,460	16.8	3.34	11.4	63.3	1.24	31.3	114.0	68.0
ZR48K3	PFJ	4.0	11,869	40,500	3,630	17.6	3.27	11.2	65.5	1.24	31.3	114.0	68.0
ZR48K3	PFZ	4.0	11,869	40,500	3,630	17.6	3.27	11.2	65.5	1.24	31.3	114.0	68.0
ZR48K5E	PFJ	4.0	11,547	39,400	3,540	17.3	3.26	11.2	63.4	1.24	29.0	133.0	70.0
ZR48K5	PFJ	4.0	11,547	39,400	3,540	17.3	3.26	11.2	63.4	1.24	29.0	133.0	70.0
ZR61KC	PFZ	5.0	14,947	51,000	4,550	21.7	3.28	11.2	82.6	1.66	42.6	150.0	71.0
ZR68KC	PFJ	5.5	16,705	57,000	5,130	24.5	3.26	11.1	93.1	1.83	40.4	150.0	72.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

208-230V ; 60 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR16K4	PFV	1.3	4,836	16,500	1,560	6.7	3.10	10.6	22.8	0.74	19.8	41.0	68.0
ZR16K5	PFV	1.3	4,543	15,500	1,485	6.3	3.06	10.5	21.5	0.74	21.3	40.3	68.0
ZR16KA	PFV	1.3	4,543	15,500	1,460	6.4	3.11	10.6	21.5	0.74	21.5	40.3	68.0
ZR18K4	PFV	1.5	5,275	18,000	1,700	7.5	3.10	10.6	24.9	0.74	19.5	45.0	68.0
ZR18K5	PFV	1.5	5,275	18,000	1,705	7.8	3.09	10.6	25.2	0.74	21.8	55.0	68.0
ZR21K5	PFV	1.8	6,154	21,000	1,980	8.7	3.11	10.6	29.0	0.74	20.9	56.0	68.0
ZR21KA	PFV	1.8	6,154	21,000	1,960	8.6	3.14	10.7	29.0	0.74	21.3	54.0	68.0
ZR22K3	PFV	1.8	6,565	22,400	2,090	9.0	3.14	10.7	30.6	1.12	36.3	56.0	68.0
ZR22K4	PFV	1.8	6,448	22,000	2,040	8.8	3.16	10.8	30.3	0.74	19.9	54.0	68.0
ZR24K3	PFV	2.0	7,180	24,500	2,230	10.3	3.22	11.0	34.1	1.12	28.6	61.0	68.0
ZR24K4	PFV	2.0	7,034	24,000	2,220	9.9	3.17	10.8	33.1	0.74	20.0	63.0	68.0
ZR24KL	PFV	2.0	7,180	24,500	2,230	10.0	3.22	11.0	34.1	1.12	26.8	61.0	68.0
ZR25K5	PFV	2.0	7,415	25,300	2,320	10.3	3.20	10.9	34.1	0.74	22.7	68.0	68.0
ZR26K3	PFV	2.0	7,796	26,600	2,440	11.1	3.19	10.9	36.1	1.12	24.0	67.0	68.0
ZR26K5	PFV	2.0	7,620	26,000	2,380	10.6	3.20	10.9	35.1	0.74	22.2	75.0	68.0
ZR26KA	PFV	2.0	7,620	26,000	2,380	10.6	3.20	10.9	35.1	0.74	22.5	68.0	68.0
ZR26KL	PFV	2.0	7,678	26,200	2,380	10.9	3.23	11.0	36.1	1.12	27.2	67.0	68.0
ZR28K3	PFV	2.5	8,353	28,500	2,560	11.9	3.26	11.1	39.3	1.12	24.0	72.5	68.0
ZR28K5	PFV	2.5	8,323	28,400	2,590	11.5	3.21	11.0	38.7	0.74	22.2	75.0	68.0
ZR28KA	PFV	2.5	8,323	28,400	2,580	11.5	3.23	11.0	39.2	0.74	22.5	68.0	68.0
ZR28KC	PFV	2.5	8,499	29,000	2,620	12.0	3.24	11.0	39.3	1.12	24.0	73.0	68.0
ZR28KM	PFV	2.5	8,235	28,100	2,450	10.9	3.36	11.4	37.2	0.77	19.1	61.5	66.0
ZR30K3	PFV	2.5	9,115	31,100	2,800	12.6	3.26	11.1	42.0	1.24	28.1	73.0	68.0
ZR30KC	PFV	2.5	9,115	31,100	2,850	13.7	3.20	10.9	42.0	1.24	0.0	84.0	68.0
ZR32K3	PFV	2.5	9,554	32,600	2,960	13.6	3.23	11.0	43.4	1.24	28.6	83.0	71.0
ZR32K5	PFV	2.5	9,554	32,600	2,910	13.3	3.28	11.2	44.1	0.74	22.2	87.0	68.0
ZR32KA	PFV	2.5	9,554	32,600	2,910	13.2	3.28	11.2	43.9	0.74	22.6	77.0	N/A
ZR34K3	PFV	3.0	10,082	34,400	3,060	14.1	3.29	11.2	46.2	1.24	25.9	88.0	71.0
ZR34K5	PFV	3.0	10,140	34,600	3,180	14.1	3.19	10.9	46.2	0.74	22.7	88.0	68.0
ZR34KA	PFV	3.0	10,082	34,400	3,100	13.6	3.25	11.1	46.2	0.74	22.7	77.0	68.0
ZR34KC	PFV	3.0	10,052	34,300	3,120	14.6	3.22	11.0	46.2	1.24	28.5	93.0	71.0
ZR34KL	PFV	3.0	9,964	34,000	3,030	13.7	3.29	11.2	46.2	1.24	29.0	88.0	71.0
ZR36K3	PFV	3.0	10,814	36,900	3,290	14.9	3.29	11.2	49.5	1.24	30.8	95.0	71.0
ZR36KC	PFV	3.0	10,814	36,900	3,350	15.9	3.23	11.0	49.5	1.24	30.8	100.0	71.0
ZR38K5	PFV	3.0	11,137	38,000	3,390	15.9	3.29	11.2	51.0	1.24	29.0	112.0	70.0
ZR38KA	PFV	3.0	11,137	38,000	3,400	15.5	3.28	11.2	52.3	1.24	29.2	104.0	70.0
ZR40K3	PFV	3.5	11,899	40,600	3,630	16.8	3.28	11.2	54.2	1.24	26.8	104.0	71.0
ZR40KC	PFV	3.5	11,899	40,600	3,690	17.3	3.22	11.0	54.2	1.24	28.6	103.0	71.0
ZR42K3	PFV	3.5	12,543	42,800	3,790	17.2	3.31	11.3	57.2	1.24	31.8	109.0	71.0
ZR42K5	PFV	3.5	12,368	42,200	3,730	16.6	3.32	11.3	56.5	1.24	30.8	104.0	70.0
ZR42KA	PFV	3.5	12,368	42,200	3,750	16.4	3.30	11.3	56.5	1.24	30.9	97.0	71.0
ZR42KC	PFV	3.5	12,309	42,000	3,820	19.7	3.22	11.0	57.2	1.24	31.8	127.0	71.0
ZR44K5	PFV	3.5	12,895	44,000	3,890	17.7	3.31	11.3	58.3	1.24	30.8	137.0	70.0
ZR44KA	PFV	3.5	12,895	44,000	3,820	17.3	3.38	11.5	59.5	1.24	30.9	137.0	70.0

208-230V ; 60 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR45K3	PFV	3.5	13,481	46,000	4,000	18.5	3.37	11.5	61.1	1.24	32.2	137.0	71.0
ZR45KC	PFV	3.5	13,481	46,000	4,140	20.9	3.26	11.1	61.1	1.24	30.4	131.0	71.0
ZR46K3	PFV	4.0	13,774	47,000	4,200	18.8	3.28	11.2	62.9	1.95	41.3	129.0	72.0
ZR47K3	PFV	4.0	14,126	48,200	4,190	18.2	3.37	11.5	63.3	1.24	31.3	137.0	71.0
ZR47KC	PFV	4.0	13,921	47,500	4,270	20.8	3.26	11.1	64.2	1.24	29.9	131.0	71.0
ZR48K3	PFV	4.0	14,595	49,800	4,330	19.5	3.37	11.5	65.5	1.24	32.2	137.0	71.0
ZR48K5	PFV	4.0	14,126	48,200	4,220	19.2	3.35	11.4	63.4	1.24	31.8	137.0	70.0
ZR48KC	PFV	4.0	14,507	49,500	4,400	21.5	3.30	11.2	65.5	1.24	30.8	132.0	71.0
ZR49K3	PFV	4.0	14,419	49,200	4,410	20.1	3.27	11.2	67.2	1.95	41.3	129.0	72.0
ZR52K3	PFV	4.0	15,240	52,000	4,560	20.4	3.34	11.4	70.1	1.66	0.0	148.0	74.0
ZR54K3	PFV	4.5	16,119	55,000	4,830	21.4	3.34	11.4	73.3	1.66	43.1	148.0	74.0
ZR54K5	PFV	4.5	15,679	53,500	4,740	21.0	3.31	11.3	72.1	1.24	32.7	146.0	70.0
ZR54KA	PFV	4.5	15,679	53,500	4,730	21.1	3.31	11.3	71.3	1.24	32.8	141.0	70.0
ZR54KC	PFV	4.5	16,119	55,000	5,000	25.0	3.22	11.0	73.3	1.66	39.0	150.0	74.0
ZR57K3	PFV	4.5	16,998	58,000	5,040	23.6	3.37	11.5	77.2	1.66	40.8	148.0	74.0
ZR57KC	PFV	4.5	16,852	57,500	5,200	25.5	3.24	11.0	77.2	1.89	39.0	150.0	74.0
ZR61K3	PFV	5.0	18,170	62,000	5,450	24.8	3.33	11.4	82.6	1.66	40.8	148.0	74.0
ZR61KC	PFV	5.0	18,170	62,000	5,500	25.4	3.30	11.3	82.6	1.66	39.5	144.0	74.0
ZR67KW	PFV	5.5	19,636	67,000	6,150	27.9	3.19	10.9	93.1	1.77	43.1	129.0	75.0
ZR68KC	PFV	5.5	20,368	69,500	6,200	28.0	3.29	11.2	93.1	1.77	40.4	176.0	74.0
ZR80KW	PFV	6.5	23,651	80,700	7,320	33.5	3.23	11.0	107.8	1.77	39.0	176.0	75.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR108KC	TFD	9.0	26,376	90,000	7,550	13.8	3.49	12.0	142.9	3.25	59.9	111.0	74.0
ZR108KF	TFD	9.0	26,376	90,000	7,630	14.0	3.46	11.8	142.9	3.25	59.9	127.0	74.0
ZR108KT	TFD	9.0	26,376	90,000	7,550	13.8	3.49	12.0	142.9	3.25	59.9	111.0	74.0
ZR11M3E	TWD	9.0	26,230	89,500	7,950	14.4	3.30	11.3	144.0	4.14	96.2	123.0	78.0
ZR11M3	TWD	9.0	26,230	89,500	7,950	14.4	3.30	11.3	144.0	4.14	96.2	123.0	78.0
ZR125KC	TFD	10.0	31,066	106,000	9,000	15.8	3.45	11.8	167.1	3.25	61.2	118.0	75.0
ZR125KF	TFD	10.0	31,066	106,000	9,140	16.7	3.40	11.6	167.1	3.25	61.2	153.0	75.0
ZR125KT	TFD	10.0	31,066	106,000	9,000	15.8	3.45	11.8	167.1	3.25	61.2	118.0	75.0
ZR12M3E	TWD	10.0	30,479	104,000	9,100	16.5	3.35	11.4	165.5	4.14	100.2	127.0	78.0
ZR12M3	TWD	10.0	30,479	104,000	9,100	16.5	3.35	11.4	165.5	4.14	100.2	127.0	78.0
ZR144KC	TFD	12.0	35,169	120,000	10,100	17.7	3.48	11.9	190.9	3.25	61.2	118.0	76.0
ZR144KF	TFD	12.0	35,315	120,500	10,250	18.6	3.45	11.8	190.9	3.25	61.2	153.0	76.0
ZR144KT	TFD	12.0	35,169	120,000	10,100	17.6	3.48	11.9	190.9	3.25	61.2	118.0	76.0
ZR160KC	TED	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.37	64.9	140.0	79.0
ZR160KC	TFD	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.25	64.9	140.0	79.0
ZR160KC	TWD	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.25	64.9	140.0	79.0

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR16M3E	TWD	13.0	37,513	128,000	11,200	19.1	3.35	11.4	204.3	4.14	103.0	167.0	80.0
ZR16M3	TWD	13.0	37,513	128,000	11,200	19.1	3.35	11.4	204.3	4.14	103.0	167.0	80.0
ZR190KC	TED	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.37	64.9	173.0	82.0
ZR190KC	TFD	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.25	66.2	174.0	82.0
ZR190KC	TWD	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.25	66.2	173.0	82.0
ZR190KT	TFD	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.25	66.2	174.0	82.0
ZR19M3	TWD	15.0	46,012	157,000	13,600	23.7	3.38	11.5	245.8	4.14	107.0	198.0	80.0
ZR21K5E	TFD	1.8	5,026	17,150	1,665	3.1	3.02	10.3	29.0	0.74	21.8	29.0	65.0
ZR21K5	TFD	1.8	5,026	17,150	1,665	3.1	3.02	10.3	29.0	0.74	21.8	29.0	65.0
ZR22K3	TFD	1.8	5,334	18,200	1,770	3.2	3.01	10.3	30.6	1.12	36.3	24.0	65.0
ZR22KT	TFD	1.8	5,334	18,200	1,765	3.2	3.02	10.3	30.6	1.12	24.5	24.0	65.0
ZR24K3	TFD	2.0	5,920	20,200	1,920	3.5	3.08	10.5	34.1	1.12	28.6	26.0	65.0
ZR24KT	TFD	2.0	5,920	20,200	1,920	3.5	3.08	10.5	34.1	1.12	24.9	26.0	65.0
ZR250KCE	TED	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR250KCE	TWD	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR250KC	TED	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR250KC	TWD	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR25K5E	TFD	2.0	5,979	20,400	1,920	3.5	3.11	10.6	34.1	0.74	21.8	29.0	65.0
ZR25K5	TFD	2.0	5,979	20,400	1,920	3.5	3.11	10.6	34.1	0.74	21.8	29.0	65.0
ZR26K3	TFD	2.0	6,360	21,700	2,010	3.8	3.16	10.8	36.1	1.12	24.0	26.0	65.0
ZR28K3	TFD	2.5	6,916	23,600	2,150	4.0	3.22	11.0	39.3	1.12	24.0	32.0	65.0
ZR28K5E	TFD	2.5	6,829	23,300	2,140	4.1	3.19	10.9	38.7	0.74	22.7	38.0	65.0
ZR28K5	TFD	2.5	6,829	23,300	2,140	4.1	3.19	10.9	38.7	0.74	22.7	38.0	65.0
ZR28KT	TFD	2.5	6,916	23,600	2,140	4.0	3.23	11.0	39.3	1.12	25.4	32.0	65.0
ZR300KCE	TWD	25.0	70,630	241,000	20,100	34.6	3.51	12.0	384.6	6.30	184.2	250.0	86.0
ZR300KC	TED	25.0	70,630	241,000	20,100	34.6	3.51	12.0	384.6	6.30	184.2	250.0	86.0
ZR300KC	TWD	25.0	70,630	241,000	20,100	34.6	3.51	12.0	384.6	6.30	184.2	250.0	86.0
ZR30K3	TFD	2.5	7,385	25,200	2,290	4.2	3.23	11.0	42.0	1.24	28.1	32.0	65.0
ZR30KS	TFD	2.5	7,327	25,000	2,230	4.1	3.29	11.2	41.0	0.74	21.8	37.7	68.0
ZR30KT	TFD	2.5	7,385	25,200	2,290	4.2	3.23	11.0	42.0	1.24	25.9	32.0	65.0
ZR310KC	TED	26.0	74,147	253,000	22,000	38.0	3.37	11.5	410.5	6.80	160.1	272.0	85.0
ZR310KC	TWD	26.0	74,147	253,000	22,000	37.9	3.37	11.5	410.5	6.80	160.1	272.0	85.0
ZR32K3	TFD	2.5	7,766	26,500	2,430	4.4	3.20	10.9	43.4	1.24	28.6	35.0	68.0
ZR32K5E	TFD	2.5	7,708	26,300	2,410	4.3	3.20	10.9	44.1	0.74	22.2	38.0	65.0
ZR32K5	TFD	2.5	7,708	26,300	2,410	4.3	3.20	10.9	44.1	0.74	22.2	38.0	65.0
ZR32KS	TFD	2.5	7,913	27,000	2,410	4.3	3.28	11.2	44.2	0.74	21.8	37.7	68.0
ZR34K3	TFD	3.0	8,235	28,100	2,500	4.6	3.29	11.2	46.2	1.24	25.9	40.0	68.0
ZR34KH	TFD	3.0	8,206	28,000	2,480	4.7	3.31	11.3	46.2	1.04	36.3	40.0	68.0
ZR34KT	TFD	3.0	8,235	28,100	2,500	4.6	3.29	11.3	46.2	1.24	26.8	40.0	68.0
ZR36K3	TFD	3.0	8,851	30,200	2,700	4.8	3.28	11.2	49.5	1.24	30.8	40.0	68.0
ZR36KE	TFD	3.0	8,851	30,200	2,700	5.1	3.28	11.2	49.5	1.24	29.9	50.0	68.0
ZR36KH	TFD	3.0	8,880	30,300	2,680	4.7	3.31	11.3	49.5	1.24	13.6	40.0	68.0
ZR36KT	TFD	3.0	8,851	30,200	2,700	4.8	3.28	11.2	49.5	1.24	27.2	40.0	68.0
ZR380KC	TED	30.0	92,317	315,000	26,500	45.1	3.48	11.9	502.6	6.30	176.9	310.0	88.0
ZR380KC	TWD	30.0	92,317	315,000	26,500	45.1	3.48	11.9	502.6	6.30	176.9	310.0	88.0

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR38K5E	TFD	3.0	8,997	30,700	2,860	5.3	3.15	10.8	51.0	1.24	27.2	47.0	70.0
ZR38K5	TFD	3.0	8,997	30,700	2,860	5.0	3.15	10.7	51.0	1.24	27.2	47.0	70.0
ZR39KH	TFD	3.5	9,847	33,600	2,950	5.3	3.34	11.4	54.2	1.24	30.4	45.2	68.0
ZR40K3	TFD	3.5	9,759	33,300	2,970	5.3	3.29	11.2	54.2	1.24	26.8	46.0	68.0
ZR40KT	TFD	3.5	9,759	33,300	2,970	5.3	3.29	11.2	54.2	1.24	28.1	46.0	68.0
ZR42K3	TFD	3.5	10,257	35,000	3,110	5.5	3.30	11.3	57.2	1.24	32.7	46.0	68.0
ZR42K5E	TFD	3.5	9,876	33,700	3,260	5.8	3.03	10.4	56.5	1.24	27.2	48.0	70.0
ZR42K5	TFD	3.5	9,876	33,700	3,260	5.8	3.03	10.4	56.5	1.24	27.2	48.0	70.0
ZR42KE	TFD	3.5	10,257	35,000	3,100	5.5	3.31	11.3	57.2	1.24	29.9	50.0	68.0
ZR42KT	TFD	3.5	10,257	35,000	3,100	5.5	3.31	11.3	57.2	1.24	28.1	46.0	68.0
ZR44K5	TFD	3.5	10,580	36,100	3,280	5.4	3.23	11.0	58.3	1.24	28.6	41.0	70.0
ZR45K3	TFD	3.5	10,990	37,500	3,320	5.9	3.31	11.3	61.1	1.36	28.1	48.0	68.0
ZR45KC	TFD	3.5	11,107	37,900	3,320	6.1	3.35	11.4	61.1	1.36	28.1	48.0	68.0
ZR45KE	TFD	3.5	11,107	37,900	3,320	5.8	3.35	11.4	61.1	1.24	29.9	50.0	68.0
ZR45KT	TFD	3.5	11,107	37,900	3,320	6.1	3.35	11.4	61.1	1.36	28.1	48.0	68.0
ZR46K3	TFD	4.0	11,166	38,100	3,440	6.0	3.25	11.0	62.9	1.95	37.2	51.5	69.0
ZR47K3	TFD	4.0	11,371	38,800	3,430	6.0	3.32	11.3	63.3	1.36	28.1	50.0	68.0
ZR47KC	TFD	4.0	11,547	39,400	3,430	6.3	3.37	11.5	64.2	1.36	28.1	48.0	68.0
ZR47KS	TFD	4.0	11,547	39,400	3,430	6.3	3.37	11.5	63.4	1.36	28.1	48.0	68.0
ZR47KT	TFD	4.0	11,547	39,400	3,430	6.3	3.37	11.5	64.2	1.36	28.1	48.0	68.0
ZR48K3	TFD	4.0	11,869	40,500	3,610	6.5	3.29	11.2	65.5	1.36	28.1	50.0	68.0
ZR48K5E	TFD	4.0	11,547	39,400	3,430	6.2	3.37	11.5	63.4	1.24	29.0	60.0	70.0
ZR48K5	TFD	4.0	11,547	39,400	3,430	6.2	3.37	11.5	63.4	1.24	29.0	60.0	70.0
ZR48KC	TFD	4.0	11,869	40,500	3,600	6.1	3.30	11.2	65.5	1.36	28.1	50.0	68.0
ZR48KE	TFD	4.0	11,869	40,500	3,520	6.2	3.37	11.5	65.5	1.24	29.9	50.0	68.0
ZR48KE	TFM	4.0	11,869	40,500	3,580	6.1	3.32	11.3	65.5	1.36	29.9	48.0	68.0
ZR48KT	TFD	4.0	11,869	40,500	3,610	6.5	3.29	11.2	65.5	1.36	28.1	50.0	68.0
ZR49K3	TFD	4.0	11,840	40,400	3,650	6.4	3.24	11.1	67.2	1.95	37.2	51.5	69.0
ZR52K3	TFD	4.0	12,602	43,000	3,830	6.5	3.29	11.2	70.1	1.95	0.0	51.5	71.0
ZR54K3	TFD	4.5	12,895	44,000	4,060	7.0	3.18	10.8	73.3	1.95	37.2	51.5	71.0
ZR54K5E	TFD	4.5	12,924	44,100	3,880	6.7	3.33	11.4	72.1	1.24	30.8	52.0	70.0
ZR54K5	TFD	4.5	12,924	44,100	3,880	6.7	3.33	11.4	72.1	1.24	30.8	52.0	70.0
ZR54KC	TFD	4.5	13,188	45,000	3,980	7.3	3.31	11.3	73.3	1.95	35.8	61.8	71.0
ZR54KE	TFD	4.5	13,188	45,000	3,920	7.4	3.36	11.5	73.1	1.36	29.9	71.3	69.0
ZR54KE	TFM	4.5	13,188	45,000	3,920	7.4	3.36	11.5	73.1	1.36	29.9	71.3	69.0
ZR54KS	TFD	4.5	13,188	45,000	3,920	7.1	3.36	11.5	73.1	1.24	29.9	56.0	69.0
ZR54KT	TFD	4.5	13,188	45,000	3,980	7.3	3.31	11.3	73.3	1.95	35.8	59.6	71.0
ZR57K3E	TFD	4.5	13,745	46,900	4,110	7.3	3.34	11.4	77.2	1.95	38.6	64.0	71.0
ZR57K3	TFD	4.5	13,745	46,900	4,110	7.3	3.34	11.4	77.2	1.95	38.6	64.0	71.0
ZR57KC	TFD	4.5	13,921	47,500	4,170	7.8	3.34	11.4	77.2	1.95	36.3	61.8	71.0
ZR57KE	TFD	4.5	13,921	47,500	4,130	7.8	3.37	11.5	77.2	1.36	28.6	71.3	69.0
ZR57KE	TFM	4.5	13,921	47,500	4,130	7.8	3.37	11.5	77.2	1.36	28.6	71.3	69.0
ZR57KH	TFD	4.5	14,009	47,800	4,190	7.4	3.34	11.4	77.2	1.95	38.6	64.0	72.0
ZR57KS	TFD	4.5	14,067	48,000	4,170	7.5	3.37	11.5	77.2	1.24	29.9	56.0	69.0
ZR57KT	TFD	4.5	13,921	47,500	4,170	7.9	3.34	11.4	77.2	1.95	36.3	61.8	71.0

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR61K3E	TFD	5.0	14,654	50,000	4,400	7.6	3.33	11.4	82.6	1.95	38.1	64.0	71.0
ZR61K3	TFD	5.0	14,654	50,000	4,400	7.6	3.33	11.4	82.6	1.95	38.1	64.0	74.0
ZR61KC	TFD	5.0	14,566	49,700	4,430	8.2	3.29	11.2	82.6	1.95	35.8	65.5	71.0
ZR61KE	TFD	5.0	14,947	51,000	4,470	8.3	3.34	11.4	82.6	1.36	29.9	71.3	69.0
ZR61KE	TFM	5.0	14,947	51,000	4,470	8.3	3.34	11.4	82.6	1.36	29.9	71.3	69.0
ZR61KH	TFD	5.0	14,976	51,100	4,440	7.8	3.37	11.5	82.6	1.77	27.2	67.0	72.0
ZR61KS	TFD	5.0	14,947	51,000	4,430	7.9	3.37	11.5	82.6	1.24	29.9	59.0	69.0
ZR61KT	TFD	5.0	14,566	49,700	4,430	8.3	3.29	11.2	82.6	1.95	35.8	65.5	71.0
ZR68KCE	TFD	5.5	16,852	57,500	4,960	8.6	3.40	11.6	93.1	1.77	39.0	74.0	72.0
ZR68KC	TFD	5.5	16,852	57,500	4,960	8.6	3.40	11.6	93.1	1.77	39.0	74.0	72.0
ZR68KT	TFD	6.0	16,852	57,500	4,960	8.6	3.40	11.6	93.1	1.77	39.0	74.0	72.0
ZR72KCE	TFD	6.0	17,731	60,500	5,200	8.9	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KC	TFD	6.0	17,731	60,500	5,200	8.9	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KC	TFM	6.0	17,731	60,500	5,200	8.9	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KS	TFD	6.0	17,731	60,500	5,200	8.8	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KT	TFD	6.0	17,731	60,500	5,180	8.9	3.42	11.7	98.0	1.77	38.6	74.0	72.0
ZR81KCE	TFD	7.0	19,929	68,000	5,800	10.5	3.44	11.7	107.8	1.77	39.0	101.0	72.0
ZR81KC	TFD	7.0	19,929	68,000	5,810	10.5	3.43	11.7	107.8	1.77	39.0	101.0	72.0
ZR81KT	TFD	7.0	19,929	68,000	5,800	10.5	3.44	11.7	107.8	1.77	39.0	101.0	72.0
ZR84KC	TFD	7.0	20,808	71,000	6,000	11.4	3.47	11.8	113.6	2.51	57.2	100.0	73.0
ZR90K3E	TWD	7.5	21,541	73,500	6,600	12.5	3.26	11.1	120.0	4.14	93.9	99.0	80.0
ZR90K3	TWD	7.5	21,541	73,500	6,600	12.5	3.26	11.1	120.0	4.14	93.9	99.0	80.0
ZR94KC	TFD	8.0	23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.2	95.0	73.0
ZR94KT	TFD	8.0	23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.2	95.0	73.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR108KC	TF5	9.0	31,945	109,000	9,200	28.2	3.47	11.9	142.9	3.25	59.9	225.0	80.0
ZR108KC	TFD	9.0	31,945	109,000	9,200	14.1	3.47	11.9	142.9	3.25	59.9	114.0	80.0
ZR108KF	TFD	9.0	31,945	109,000	9,320	14.3	3.43	11.7	142.9	3.25	59.9	126.0	74.0
ZR11M3E	TWD	9.0	31,652	108,000	9,600	14.4	3.30	11.3	144.0	4.14	96.2	125.0	81.0
ZR11M3	TW7	9.0	31,652	108,000	9,600	17.4	3.30	11.3	144.0	4.14	96.2	144.0	81.0
ZR11M3	TWD	9.0	31,652	108,000	9,600	14.4	3.30	11.3	144.0	4.14	96.2	125.0	81.0
ZR125KC	TF5	10.0	37,513	128,000	10,900	32.6	3.44	11.7	167.1	3.25	61.2	239.0	80.0
ZR125KC	TFD	10.0	37,513	128,000	10,900	16.3	3.44	11.7	167.1	3.25	61.2	125.0	80.0
ZR125KF	TFD	10.0	37,513	128,000	11,150	17.1	3.36	11.5	167.1	3.25	61.2	150.0	80.0
ZR12M3E	TW7	10.0	36,634	125,000	11,000	19.9	3.33	11.4	165.5	4.14	100.2	151.0	81.0
ZR12M3E	TWD	10.0	36,634	125,000	11,000	16.5	3.33	11.4	165.5	4.14	100.2	127.0	81.0
ZR12M3	TW7	10.0	36,634	125,000	11,000	19.9	3.33	11.4	165.5	4.14	100.2	151.0	81.0
ZR12M3	TWD	10.0	36,634	125,000	11,000	16.5	3.33	11.4	165.5	4.14	100.2	127.0	81.0
ZR144KC	TF5	12.0	42,788	146,000	12,300	38.3	3.48	11.8	190.9	3.25	61.2	245.0	80.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR108KC	TF5	9.0	31,945	109,000	9,200	28.2	3.47	11.9	142.9	3.25	59.9	225.0	80.0
ZR108KC	TFD	9.0	31,945	109,000	9,200	14.1	3.47	11.9	142.9	3.25	59.9	114.0	80.0
ZR108KF	TFD	9.0	31,945	109,000	9,320	14.3	3.43	11.7	142.9	3.25	59.9	126.0	74.0
ZR11M3E	TWD	9.0	31,652	108,000	9,600	14.4	3.30	11.3	144.0	4.14	96.2	125.0	81.0
ZR11M3	TW7	9.0	31,652	108,000	9,600	17.4	3.30	11.3	144.0	4.14	96.2	144.0	81.0
ZR11M3	TWD	9.0	31,652	108,000	9,600	14.4	3.30	11.3	144.0	4.14	96.2	125.0	81.0
ZR125KC	TF5	10.0	37,513	128,000	10,900	32.6	3.44	11.7	167.1	3.25	61.2	239.0	80.0
ZR125KC	TFD	10.0	37,513	128,000	10,900	16.3	3.44	11.7	167.1	3.25	61.2	125.0	80.0
ZR125KF	TFD	10.0	37,513	128,000	11,150	17.1	3.36	11.5	167.1	3.25	61.2	150.0	80.0
ZR12M3E	TW7	10.0	36,634	125,000	11,000	19.9	3.33	11.4	165.5	4.14	100.2	151.0	81.0
ZR12M3E	TWD	10.0	36,634	125,000	11,000	16.5	3.33	11.4	165.5	4.14	100.2	127.0	81.0
ZR12M3	TW7	10.0	36,634	125,000	11,000	19.9	3.33	11.4	165.5	4.14	100.2	151.0	81.0
ZR12M3	TWD	10.0	36,634	125,000	11,000	16.5	3.33	11.4	165.5	4.14	100.2	127.0	81.0
ZR144KC	TF5	12.0	42,788	146,000	12,300	38.3	3.48	11.8	190.9	3.25	61.2	245.0	80.0
ZR144KC	TFD	12.0	42,788	146,000	12,300	18.2	3.48	11.8	190.9	3.25	61.2	125.0	80.0
ZR144KF	TFD	12.0	42,788	146,000	12,600	19.2	3.40	11.6	190.9	3.25	61.2	150.0	76.0
ZR160KC	TE5	13.0	46,891	160,000	13,900	43.2	3.37	11.5	209.1	3.37	66.2	300.0	83.0
ZR160KC	TED	13.0	46,891	160,000	13,900	20.8	3.37	11.5	209.1	3.37	64.9	150.0	83.0
ZR160KC	TF7	13.0	46,891	160,000	13,900	24.2	3.37	11.5	209.1	3.25	64.9	138.0	83.0
ZR160KC	TFD	13.0	46,891	160,000	13,900	20.8	3.37	11.5	209.1	3.25	64.9	150.0	83.0
ZR160KC	TW5	13.0	46,891	160,000	13,900	43.2	3.37	11.5	209.1	3.25	66.2	300.0	83.0
ZR160KC	TWD	13.0	46,891	160,000	13,900	20.8	3.37	11.5	209.1	3.25	64.9	150.0	83.0
ZR160KT	TFD	13.0	46,891	160,000	13,900	20.8	3.37	11.5	209.1	3.25	64.9	150.0	83.0
ZR16M3E	TW7	13.0	45,133	154,000	13,500	23.3	3.34	11.4	204.3	4.14	103.0	195.0	83.0
ZR16M3E	TWD	13.0	45,133	154,000	13,500	19.2	3.34	11.4	204.3	4.14	103.0	158.0	83.0
ZR16M3	TW5	13.0	45,133	154,000	13,500	38.3	3.34	11.4	204.3	4.14	103.0	350.0	83.0
ZR16M3	TW7	13.0	45,133	154,000	13,500	23.2	3.34	11.4	204.3	4.14	103.0	195.0	83.0
ZR16M3	TWD	13.0	45,133	154,000	13,500	19.2	3.34	11.4	204.3	4.14	103.0	158.0	83.0
ZR190KC	TE5	15.0	55,684	190,000	16,800	53.2	3.31	11.4	249.1	3.37	66.2	340.0	83.0
ZR190KC	TED	15.0	55,684	190,000	16,800	26.5	3.31	11.4	249.1	3.37	64.9	173.0	83.0
ZR190KC	TFD	15.0	55,684	190,000	16,800	26.5	3.31	11.4	249.1	3.25	66.2	179.0	83.0
ZR190KC	TW5	15.0	55,684	190,000	16,800	53.2	3.31	11.4	249.1	3.25	66.2	340.0	83.0
ZR190KC	TWD	15.0	55,684	190,000	16,800	26.5	3.31	11.4	249.1	3.25	66.2	173.0	83.0
ZR190KT	TFD	15.0	55,684	190,000	16,800	26.5	3.31	11.4	249.1	3.25	66.2	179.0	83.0
ZR19M3	TW5	15.0	55,684	190,000	16,500	48.2	3.37	11.5	245.8	4.14	107.0	425.0	83.0
ZR19M3	TW7	15.0	55,684	190,000	16,500	29.2	3.37	11.5	245.8	4.14	107.0	239.0	83.0
ZR19M3	TWD	15.0	55,684	190,000	16,500	24.1	3.37	11.5	245.8	4.14	107.0	187.0	83.0
ZR21K5E	TF5	1.8	6,154	21,000	1,980	6.2	3.11	10.6	29.0	0.74	21.8	58.0	68.0
ZR21K5E	TFD	1.8	6,154	21,000	1,995	3.1	3.08	10.6	29.0	0.74	21.8	29.0	68.0
ZR21K5	TF5	1.8	6,154	21,000	1,980	6.2	3.11	10.6	29.0	0.74	21.8	58.0	68.0
ZR21K5	TF7	1.8	6,154	21,000	1,995	3.4	3.08	10.6	29.0	0.74	21.8	29.0	68.0
ZR21K5	TFD	1.8	6,154	21,000	1,995	3.1	3.08	10.6	29.0	0.74	21.8	29.0	68.0
ZR22K3	TF5	1.8	6,477	22,100	2,080	6.0	3.11	10.7	30.6	1.12	24.5	45.0	68.0
ZR22K3	TFD	1.8	6,477	22,100	2,090	3.2	3.10	10.6	30.6	1.12	36.3	22.4	68.0
ZR22KT	TFD	1.8	6,477	22,100	2,080	3.2	3.11	10.6	30.6	1.12	24.5	22.4	68.0
ZR24K3	TF5	2.0	7,268	24,800	2,310	7.0	3.15	10.7	34.1	1.12	28.6	55.0	68.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR24K3	TFD	2.0	7,268	24,800	2,310	3.5	3.15	10.7	34.1	1.12	28.6	27.0	68.0
ZR24KT	TFD	2.0	7,268	24,800	2,230	3.5	3.26	11.1	34.1	1.12	24.9	27.0	68.0
ZR250KCE	TE5	20.0	73,268	250,000	21,700	66.6	3.38	11.5	325.1	4.67	138.8	505.0	88.0
ZR250KCE	TE7	20.0	73,268	250,000	21,700	37.0	3.38	11.5	325.1	4.67	139.3	290.0	88.0
ZR250KCE	TED	20.0	73,268	250,000	21,700	30.6	3.38	11.5	325.1	4.67	139.3	225.0	88.0
ZR250KCE	TW5	20.0	73,268	250,000	21,700	66.6	3.38	11.5	325.1	4.67	138.8	505.0	88.0
ZR250KCE	TW7	20.0	73,268	250,000	21,700	37.0	3.38	11.5	325.1	4.67	139.3	290.0	88.0
ZR250KCE	TWD	20.0	73,268	250,000	21,700	30.6	3.38	11.5	325.1	4.67	139.3	225.0	88.0
ZR250KC	TE5	20.0	73,268	250,000	21,700	66.6	3.38	11.5	325.1	4.67	138.8	505.0	88.0
ZR250KC	TE7	20.0	73,268	250,000	21,700	37.0	3.38	11.5	325.1	4.67	139.3	290.0	88.0
ZR250KC	TED	20.0	73,268	250,000	21,700	30.6	3.38	11.5	325.1	4.67	139.3	225.0	88.0
ZR250KC	TW5	20.0	73,268	250,000	21,700	66.6	3.38	11.5	325.1	4.67	138.8	505.0	88.0
ZR250KC	TW7	20.0	73,268	250,000	21,700	37.0	3.38	11.5	325.1	4.67	139.3	290.0	88.0
ZR250KC	TWD	20.0	73,268	250,000	21,700	30.6	3.38	11.5	325.1	4.67	139.3	225.0	88.0
ZR25K5E	TF5	2.0	7,415	25,300	2,320	6.9	3.20	10.9	34.1	0.74	22.2	58.0	68.0
ZR25K5E	TFD	2.0	7,415	25,300	2,320	3.5	3.20	10.9	34.1	0.74	21.8	29.0	68.0
ZR25K5	TF5	2.0	7,415	25,300	2,320	6.9	3.20	10.9	34.1	0.74	22.2	58.0	68.0
ZR25K5	TF7	2.0	7,415	25,300	2,320	4.0	3.20	10.9	34.1	0.74	21.8	29.5	68.0
ZR25K5	TFD	2.0	7,415	25,300	2,320	3.5	3.20	10.9	34.1	0.74	21.8	29.0	68.0
ZR26K3	TF5	2.0	7,766	26,500	2,450	7.0	3.17	10.8	36.1	1.12	26.8	55.0	68.0
ZR26K3	TFD	2.0	7,678	26,200	2,430	3.8	3.16	10.8	36.1	1.12	24.0	27.0	68.0
ZR26KA	TF5	2.0	7,620	26,000	2,380	7.1	3.20	10.9	35.1	0.74	21.6	58.0	68.0
ZR28K3	TF5	2.5	8,470	28,900	2,630	7.9	3.22	11.0	39.3	1.12	24.0	63.0	68.0
ZR28K3	TFD	2.5	8,470	28,900	2,630	4.0	3.22	11.0	39.3	1.12	24.0	31.0	68.0
ZR28K5E	TF5	2.5	8,323	28,400	2,590	8.0	3.21	11.0	38.7	0.74	22.2	73.0	68.0
ZR28K5E	TFD	2.5	8,323	28,400	2,590	4.2	3.21	11.0	38.7	0.74	22.7	38.0	68.0
ZR28K5	TF5	2.5	8,323	28,400	2,590	8.0	3.21	11.0	38.7	0.74	22.2	73.0	68.0
ZR28K5	TF7	2.5	8,323	28,400	2,590	4.4	3.21	11.0	38.7	0.74	22.7	38.0	68.0
ZR28K5	TFD	2.5	8,323	28,400	2,590	4.2	3.21	11.0	38.7	0.74	22.7	38.0	68.0
ZR28KT	TFD	2.5	8,470	28,900	2,630	4.0	3.22	11.0	39.3	1.12	25.4	31.0	68.0
ZR300KCE	TWD	25.0	86,749	296,000	25,300	36.8	3.43	11.7	384.6	6.30	184.2	250.0	90.0
ZR300KC	TE5	25.0	86,749	296,000	25,300	73.5	3.43	11.7	384.6	6.30	184.2	500.0	90.0
ZR300KC	TW5	25.0	86,749	296,000	25,300	73.5	3.43	11.7	384.6	6.30	184.2	500.0	90.0
ZR300KC	TW7	25.0	86,749	296,000	25,300	44.5	3.43	11.7	384.6	6.30	184.2	305.0	90.0
ZR300KC	TWD	25.0	86,749	296,000	25,300	36.8	3.43	11.7	384.6	6.30	184.2	250.0	90.0
ZR30K3	TF5	2.5	9,115	31,100	2,830	8.3	3.22	11.0	42.0	1.24	25.9	63.0	68.0
ZR30K3	TFD	2.5	9,115	31,100	2,830	4.2	3.22	11.0	42.0	1.24	28.1	31.0	68.0
ZR30KS	TFD	2.5	8,968	30,600	2,730	4.1	3.28	11.2	41.0	0.74	21.8	44.4	71.0
ZR30KT	TFD	2.5	9,115	31,100	2,830	4.2	3.22	11.0	42.0	1.24	25.9	31.0	68.0
ZR310KC	TE7	26.0	89,680	306,000	27,100	47.0	3.31	11.3	410.5	6.80	160.1	353.0	90.0
ZR310KC	TED	26.0	89,680	306,000	27,100	38.9	3.31	11.3	410.5	6.80	160.1	272.0	90.0
ZR310KC	TW7	26.0	89,680	306,000	27,100	47.0	3.31	11.3	410.5	6.80	160.1	353.0	90.0
ZR310KC	TWD	26.0	89,680	306,000	27,100	38.8	3.31	11.3	410.5	6.80	160.1	272.0	90.0
ZR32K3	TF5	2.5	9,554	32,600	2,910	8.7	3.28	11.2	43.4	1.24	28.6	77.0	71.0
ZR32K3	TFD	2.5	9,554	32,600	2,910	4.4	3.28	11.2	43.4	1.24	28.6	35.0	71.0
ZR32K5E	TF5	2.5	9,554	32,600	2,910	8.7	3.28	11.2	44.1	0.74	22.2	73.0	68.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR32K5E	TFD	2.5	9,554	32,600	2,910	4.4	3.28	11.2	44.1	0.74	22.2	38.0	68.0
ZR32K5	TF5	2.5	9,554	32,600	2,910	8.7	3.28	11.2	44.1	0.74	22.2	73.0	68.0
ZR32K5	TF7	2.5	9,554	32,600	2,910	5.0	3.28	11.2	44.1	0.74	22.2	38.0	68.0
ZR32K5	TFD	2.5	9,554	32,600	2,910	4.4	3.28	11.2	44.1	0.74	22.2	38.0	68.0
ZR32KA	TF5	2.5	9,554	32,600	2,910	9.0	3.28	11.2	43.9	0.74	22.3	73.0	68.0
ZR32KA	TFD	2.5	9,554	32,600	2,910	4.5	3.28	11.2	43.9	0.74	22.4	38.0	68.0
ZR32KS	TFD	2.5	9,642	32,900	2,940	4.3	3.28	11.2	44.2	0.74	21.8	44.4	71.0
ZR34K3	TF5	3.0	9,964	34,000	2,970	9.1	3.36	11.4	46.2	1.24	25.9	77.0	71.0
ZR34K3	TF7	3.0	9,964	34,000	3,200	5.4	3.11	10.6	46.2	1.24	31.3	39.0	71.0
ZR34K3	TFD	3.0	9,964	34,000	2,970	4.6	3.36	11.4	46.2	1.24	25.9	39.0	71.0
ZR34K5	TF5	3.0	10,199	34,800	3,200	9.5	3.19	10.9	46.2	0.74	21.8	73.0	68.0
ZR34KA	TF5	3.0	9,964	34,000	3,100	9.2	3.21	11.0	46.2	0.74	22.0	73.0	68.0
ZR34KA	TFD	3.0	9,964	34,000	3,100	4.7	3.21	11.0	46.2	0.74	22.2	38.0	68.0
ZR34KH	TFD	3.0	9,847	33,600	2,980	4.7	3.30	11.3	46.2	1.04	36.3	39.0	71.0
ZR34KL	TF5	3.0	9,964	34,000	2,970	9.1	3.36	11.4	46.2	1.24	29.0	77.0	71.0
ZR34KT	TFD	3.0	9,964	34,000	2,970	4.6	3.36	11.5	46.2	1.24	26.8	39.0	71.0
ZR36K3	TF5	3.0	10,814	36,900	3,250	9.7	3.33	11.3	49.5	1.24	30.8	77.0	71.0
ZR36K3	TFD	3.0	10,814	36,900	3,250	4.9	3.33	11.3	49.5	1.24	30.8	39.0	71.0
ZR36KE	TFD	3.0	10,814	36,900	3,250	5.1	3.33	11.4	49.5	1.24	29.9	53.0	71.0
ZR36KH	TFD	3.0	10,638	36,300	3,220	4.9	3.30	11.3	49.5	1.24	13.6	39.0	71.0
ZR36KT	TFD	3.0	10,814	36,900	3,250	4.9	3.33	11.4	49.5	1.24	27.2	39.0	71.0
ZR380KC	TE5	30.0	111,074	379,000	32,700	94.2	3.40	11.6	502.6	6.30	176.9	599.0	92.0
ZR380KC	TE7	30.0	111,074	379,000	32,700	57.0	3.40	11.6	502.6	6.30	176.9	358.0	92.0
ZR380KC	TED	30.0	111,074	379,000	32,700	47.1	3.40	11.6	502.6	6.30	176.9	310.0	92.0
ZR380KC	TW5	30.0	111,074	379,000	32,700	94.2	3.40	11.6	502.6	6.30	176.9	599.0	92.0
ZR380KC	TW7	30.0	111,074	379,000	32,700	57.0	3.40	11.6	502.6	6.30	176.9	358.0	92.0
ZR380KC	TWD	30.0	111,074	379,000	32,700	47.1	3.40	11.6	502.6	6.30	176.9	310.0	92.0
ZR38K5E	TF5	3.0	11,137	38,000	3,400	10.4	3.28	11.2	51.0	1.24	27.2	93.0	73.0
ZR38K5E	TFD	3.0	11,137	38,000	3,400	5.2	3.28	11.2	51.0	1.24	27.2	48.0	73.0
ZR38K5	TF5	3.0	11,137	38,000	3,400	10.4	3.28	11.2	51.0	1.24	27.2	93.0	73.0
ZR38K5	TF7	3.0	11,137	38,000	3,400	5.9	3.28	11.2	51.0	1.24	27.2	46.0	73.0
ZR38K5	TFD	3.0	11,137	38,000	3,400	5.0	3.28	11.2	51.0	1.24	27.2	48.0	73.0
ZR38KA	TF5	3.0	11,137	38,000	3,400	10.2	3.28	11.2	52.3	1.24	27.4	88.0	70.0
ZR38KA	TFD	3.0	11,137	38,000	3,400	5.1	3.28	11.2	52.3	1.24	27.5	44.0	70.0
ZR39KH	TFD	3.5	11,811	40,300	3,470	5.3	3.40	11.6	54.2	1.24	30.4	44.0	71.0
ZR40K3	TF5	3.5	11,899	40,600	3,560	10.7	3.34	11.4	54.2	1.24	26.8	88.0	71.0
ZR40K3	TFD	3.5	11,899	40,600	3,560	5.4	3.34	11.4	54.2	1.24	26.8	44.0	71.0
ZR40KT	TFD	3.5	11,899	40,600	3,560	5.3	3.34	11.4	54.2	1.24	28.1	44.0	71.0
ZR42K3	TF5	3.5	12,543	42,800	3,750	11.1	3.34	11.4	57.2	1.24	32.7	88.0	71.0
ZR42K3	TF7	3.5	12,631	43,100	3,790	7.0	3.33	11.4	57.2	1.24	28.1	54.0	71.0
ZR42K3	TFD	3.5	12,543	42,800	3,750	5.6	3.34	11.4	57.2	1.24	32.7	44.0	71.0
ZR42K5E	TF5	3.5	12,368	42,200	3,750	11.3	3.30	11.3	56.5	1.24	27.7	93.0	73.0
ZR42K5E	TFD	3.5	12,368	42,200	3,750	5.7	3.30	11.3	56.5	1.24	27.2	48.0	73.0
ZR42K5	TF5	3.5	12,368	42,200	3,750	11.3	3.30	11.3	56.5	1.24	27.7	93.0	73.0
ZR42K5	TFD	3.5	12,368	42,200	3,750	5.7	3.30	11.3	56.5	1.24	27.2	48.0	73.0
ZR42KA	TF5	3.5	12,368	42,200	3,750	11.1	3.30	11.3	56.5	1.24	27.6	88.0	70.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR42KA	TFD	3.5	12,368	42,200	3,750	5.7	3.30	11.3	56.5	1.24	27.6	44.0	71.0
ZR42KE	TFD	3.5	12,543	42,800	3,760	5.5	3.34	11.4	57.2	1.24	29.9	53.0	71.0
ZR42KT	TFD	3.5	12,543	42,800	3,750	5.6	3.34	11.4	57.2	1.24	28.1	44.0	71.0
ZR44K5	TF5	3.5	12,895	44,000	3,820	11.2	3.38	11.5	58.3	1.24	28.6	98.0	73.0
ZR44K5	TFD	3.5	12,895	44,000	3,850	5.4	3.35	11.4	58.3	1.24	28.6	41.0	73.0
ZR44KA	TF5	3.5	12,895	44,000	3,820	10.8	3.38	11.5	59.5	1.24	28.9	83.1	70.0
ZR44KA	TFD	3.5	12,895	44,000	3,820	5.5	3.38	11.5	59.5	1.24	28.9	41.0	70.0
ZR45K3	TF5	3.5	13,364	45,600	4,000	12.0	3.34	11.4	61.1	1.36	28.1	91.0	71.0
ZR45K3	TFD	3.5	13,364	45,600	4,000	6.0	3.34	11.4	61.1	1.36	28.1	46.0	71.0
ZR45KCE	TF5	3.5	13,481	46,000	4,000	12.1	3.37	11.5	61.1	1.36	28.1	91.0	71.0
ZR45KCE	TFD	3.5	13,481	46,000	4,000	6.1	3.37	11.5	61.1	1.36	28.1	46.0	71.0
ZR45KC	TF5	3.5	13,481	46,000	4,000	12.1	3.37	11.5	61.1	1.36	28.1	91.0	71.0
ZR45KC	TFD	3.5	13,481	46,000	4,000	6.1	3.37	11.5	61.1	1.36	28.1	46.0	71.0
ZR45KE	TFD	3.5	13,481	46,000	4,000	5.8	3.37	11.5	61.1	1.24	29.9	53.0	71.0
ZR45KT	TFD	3.5	13,481	46,000	4,000	6.1	3.37	11.5	61.1	1.36	28.1	46.0	71.0
ZR46K3	TF5	4.0	13,511	46,100	4,100	11.8	3.30	11.2	62.9	1.95	37.2	120.0	72.0
ZR46K3	TFD	4.0	13,511	46,100	4,100	5.9	3.30	11.2	62.9	1.95	37.2	49.5	72.0
ZR47K3	TF5	4.0	13,921	47,500	4,170	13.1	3.34	11.4	63.3	1.36	28.1	91.0	71.0
ZR47K3	TFD	4.0	13,921	47,500	4,170	6.0	3.34	11.4	63.3	1.36	28.1	50.0	71.0
ZR47KC	TF5	4.0	13,921	47,500	4,130	12.2	3.37	11.5	64.2	1.36	28.1	91.0	71.0
ZR47KC	TF7	4.0	13,921	47,500	4,130	7.4	3.37	11.5	63.4	1.36	28.1	54.0	71.0
ZR47KS	TF5	4.0	13,921	47,500	4,130	12.2	3.37	11.5	63.4	1.36	28.1	91.0	71.0
ZR47KS	TF7	4.0	13,921	47,500	4,130	7.4	3.37	11.5	63.4	1.36	28.1	54.0	71.0
ZR47KS	TFD	4.0	13,921	47,500	4,130	6.1	3.37	11.5	63.4	1.36	28.1	46.0	71.0
ZR47KT	TFD	4.0	13,921	47,500	4,130	6.1	3.37	11.5	64.2	1.36	28.1	46.0	71.0
ZR48K3	TF5	4.0	14,390	49,100	4,320	12.7	3.33	11.4	65.5	1.36	32.7	91.0	71.0
ZR48K3	TFD	4.0	14,331	48,900	4,320	6.5	3.32	11.3	65.5	1.36	28.1	50.0	71.0
ZR48K5E	TF5	4.0	14,126	48,200	4,160	12.0	3.40	11.6	63.4	1.24	31.3	114.0	73.0
ZR48K5E	TFD	4.0	14,126	48,200	4,170	6.3	3.39	11.6	63.4	1.24	29.0	58.0	73.0
ZR48K5	TF5	4.0	14,126	48,200	4,160	12.0	3.40	11.6	63.4	1.24	31.3	114.0	73.0
ZR48K5	TF7	4.0	14,126	48,200	4,170	7.0	3.39	11.6	63.4	1.24	29.0	51.8	73.0
ZR48K5	TFD	4.0	14,126	48,200	4,170	6.3	3.39	11.6	63.4	1.24	29.0	58.0	73.0
ZR48KC	TF5	4.0	14,390	49,100	4,270	12.6	3.37	11.5	65.5	1.36	28.1	91.0	71.0
ZR48KC	TF7	4.0	14,390	49,100	4,270	7.6	3.37	11.5	65.5	1.36	28.1	54.0	71.0
ZR48KC	TFD	4.0	14,390	49,100	4,270	6.3	3.37	11.5	65.5	1.36	28.1	50.0	71.0
ZR48KE	TF7	4.0	14,390	49,100	4,230	7.6	3.40	11.6	65.5	1.36	28.6	61.4	72.0
ZR48KE	TFD	4.0	14,331	48,900	4,260	6.3	3.36	11.5	65.5	1.24	29.9	53.0	71.0
ZR48KT	TFD	4.0	14,331	48,900	4,320	6.5	3.32	11.3	65.5	1.36	28.1	50.0	71.0
ZR49K3	TF5	4.0	14,419	49,200	4,360	12.6	3.31	11.3	67.2	1.95	37.2	120.0	72.0
ZR49K3	TFD	4.0	14,419	49,200	4,360	6.3	3.31	11.3	67.2	1.95	37.2	49.5	76.0
ZR52K3	TF5	4.0	15,240	52,000	4,560	13.4	3.34	11.4	70.1	1.95	0.0	128.0	74.0
ZR52K3	TFD	4.0	15,240	52,000	4,560	6.5	3.34	11.4	70.1	1.95	0.0	49.5	74.0
ZR54K3	TF5	4.5	15,884	54,200	4,700	13.9	3.38	11.5	73.3	1.95	38.6	123.0	74.0
ZR54K3	TFD	4.5	15,972	54,500	4,830	6.9	3.31	11.3	73.3	1.95	37.2	49.5	74.0
ZR54K5E	TF5	4.5	15,679	53,500	4,740	13.6	3.31	11.3	72.1	1.24	30.8	114.0	73.0
ZR54K5E	TFD	4.5	15,679	53,500	4,740	6.8	3.31	11.3	72.1	1.24	30.8	52.0	73.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR54K5	TF5	4.5	15,679	53,500	4,740	13.6	3.31	11.3	72.1	1.24	30.8	114.0	73.0
ZR54K5	TF7	4.5	15,679	53,500	4,730	7.9	3.31	11.3	72.1	1.24	30.8	65.0	73.0
ZR54K5	TFD	4.5	15,679	53,500	4,740	6.8	3.31	11.3	72.1	1.24	30.8	52.0	73.0
ZR54KA	TF5	4.5	15,679	53,500	4,730	13.3	3.31	11.3	71.3	1.24	31.0	110.0	70.0
ZR54KA	TFD	4.5	15,679	53,500	4,730	6.6	3.31	11.3	71.3	1.24	30.9	52.0	70.0
ZR54KC	TF5	4.5	16,119	55,000	4,780	14.8	3.37	11.5	73.3	1.95	36.3	124.0	74.0
ZR54KC	TFD	4.5	16,119	55,000	4,780	7.4	3.37	11.5	73.3	1.95	35.8	59.6	74.0
ZR54KE	TFD	4.5	16,119	55,000	4,780	7.6	3.37	11.5	73.1	1.36	29.9	74.8	72.0
ZR54KS	TF5	4.5	15,972	54,500	4,670	14.3	3.42	11.6	73.1	1.24	29.9	125.0	72.0
ZR54KS	TF7	4.5	15,972	54,500	4,700	8.3	3.40	11.6	73.1	1.24	29.9	65.0	72.0
ZR54KS	TFD	4.5	15,972	54,500	4,670	7.2	3.42	11.6	73.1	1.24	29.9	59.0	72.0
ZR54KT	TFD	4.5	16,119	55,000	4,780	14.8	3.37	11.5	73.3	1.95	35.8	59.6	74.0
ZR57K3E	TF5	4.5	17,145	58,500	4,980	14.5	3.44	11.7	77.2	1.95	38.6	123.0	74.0
ZR57K3E	TFD	4.5	17,145	58,500	5,000	7.3	3.43	11.7	77.2	1.95	38.6	62.0	74.0
ZR57K3	TF5	4.5	17,145	58,500	4,980	14.5	3.44	11.7	77.2	1.95	38.6	123.0	74.0
ZR57K3	TFD	4.5	17,145	58,500	5,000	7.3	3.43	11.7	77.2	1.95	38.6	62.0	74.0
ZR57KC	TF5	4.5	16,852	57,500	5,000	15.4	3.37	11.5	77.2	1.95	36.3	124.0	74.0
ZR57KC	TF7	4.5	16,852	57,500	5,000	9.3	3.37	11.5	77.2	1.95	35.8	75.0	74.0
ZR57KC	TFD	4.5	16,852	57,500	5,000	7.7	3.37	11.5	77.2	1.95	36.3	59.6	74.0
ZR57KE	TF5	4.5	16,852	57,500	4,960	15.3	3.40	11.6	77.2	1.36	28.6	137.0	72.0
ZR57KE	TF7	4.5	16,265	55,500	4,790	8.5	3.40	11.6	77.2	1.36	28.6	68.0	72.0
ZR57KE	TFD	4.5	17,115	58,400	5,040	8.0	3.40	11.6	77.2	1.36	28.6	74.8	72.0
ZR57KH	TFD	4.5	17,027	58,100	5,050	7.5	3.37	11.5	77.2	1.95	38.6	62.0	74.0
ZR57KS	TF5	4.5	17,145	58,500	5,050	15.0	3.39	11.6	77.2	1.24	29.9	125.0	72.0
ZR57KS	TF7	4.5	17,145	58,500	5,100	8.9	3.36	11.5	77.2	1.24	29.9	65.0	72.0
ZR57KS	TFD	4.5	17,145	58,500	5,050	7.5	3.39	11.6	77.2	1.24	29.9	59.0	72.0
ZR57KT	TFD	4.5	16,852	57,500	5,000	7.7	3.37	11.5	77.2	1.95	36.3	59.6	74.0
ZR61K3E	TF5	5.0	18,170	62,000	5,350	16.5	3.40	11.6	82.6	1.95	38.1	137.0	74.0
ZR61K3E	TFD	5.0	18,170	62,000	5,350	7.8	3.40	11.6	82.6	1.95	38.1	62.0	74.0
ZR61K3	TF5	5.0	18,170	62,000	5,340	16.5	3.40	11.6	82.6	1.95	38.1	137.0	74.0
ZR61K3	TFD	5.0	18,170	62,000	5,350	7.8	3.40	11.6	82.6	1.95	38.1	62.0	74.0
ZR61KC	TF5	5.0	18,170	62,000	5,400	16.7	3.36	11.5	82.6	1.95	35.4	128.0	74.0
ZR61KC	TF7	5.0	18,170	62,000	5,400	9.3	3.36	11.5	82.6	1.95	36.3	64.0	74.0
ZR61KC	TFD	5.0	18,170	62,000	5,400	8.4	3.36	11.5	82.6	1.95	35.8	63.0	74.0
ZR61KE	TF7	5.0	18,229	62,200	5,420	9.5	3.36	11.5	82.6	1.36	29.9	68.0	72.0
ZR61KE	TFD	5.0	18,317	62,500	5,390	8.4	3.40	11.6	82.6	1.36	29.9	74.8	69.0
ZR61KH	TFD	5.0	18,112	61,800	5,430	8.1	3.34	11.4	82.6	1.77	27.2	68.0	75.0
ZR61KS	TF5	5.0	18,170	62,000	5,350	15.8	3.40	11.6	82.6	1.24	29.9	125.0	72.0
ZR61KS	TF7	5.0	18,170	62,000	5,350	9.2	3.40	11.6	82.6	1.24	29.9	65.0	72.0
ZR61KS	TFD	5.0	18,170	62,000	5,350	7.9	3.40	11.6	82.6	1.24	29.9	56.0	72.0
ZR61KT	TFD	5.0	18,170	62,000	5,400	8.4	3.36	11.5	82.6	1.95	35.8	63.0	74.0
ZR68KCE	TF5	5.5	20,515	70,000	5,950	17.5	3.45	11.8	93.1	1.77	39.0	156.0	75.0
ZR68KCE	TFD	5.5	20,515	70,000	5,950	8.7	3.45	11.8	93.1	1.77	39.0	75.0	75.0
ZR68KC	TF5	5.5	20,515	70,000	5,950	17.5	3.45	11.8	93.1	1.77	39.0	156.0	75.0
ZR68KC	TFD	5.5	20,515	70,000	5,950	8.8	3.45	11.8	93.1	1.77	39.0	75.0	75.0
ZR68KT	TFD	6.0	20,515	70,000	5,950	8.7	3.45	11.8	93.1	1.77	39.0	75.0	75.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR72KCE	TF5	6.0	21,541	73,500	6,250	18.1	3.45	11.7	98.0	1.77	38.6	156.0	75.0
ZR72KCE	TF7	6.0	21,541	73,500	6,250	10.5	3.45	11.7	98.0	1.77	38.6	70.0	75.0
ZR72KCE	TFD	6.0	21,541	73,500	6,250	9.1	3.45	11.7	98.0	1.77	38.6	75.0	75.0
ZR72KC	TF5	6.0	21,541	73,500	6,250	18.2	3.45	11.7	98.0	1.77	38.6	156.0	75.0
ZR72KC	TF7	6.0	21,541	73,500	6,250	10.5	3.45	11.7	98.0	1.77	38.6	70.0	75.0
ZR72KC	TFD	6.0	21,541	73,500	6,250	9.1	3.45	11.7	98.0	1.77	38.6	75.0	75.0
ZR72KS	TF5	6.0	21,541	73,500	6,250	18.2	3.45	11.7	98.0	1.77	38.6	156.0	75.0
ZR72KS	TF7	6.0	21,541	73,500	6,250	10.5	3.45	11.7	98.0	1.77	38.6	70.0	75.0
ZR72KS	TFD	6.0	21,541	73,500	6,250	9.1	3.45	11.7	98.0	1.77	38.6	75.0	75.0
ZR72KT	TFD	6.0	21,541	73,500	6,260	9.1	3.44	11.8	98.0	1.77	38.6	75.0	75.0
ZR81KCE	TF5	7.0	24,032	82,000	6,950	20.8	3.46	11.8	107.8	1.77	39.0	164.0	75.0
ZR81KCE	TFD	7.0	24,032	82,000	6,950	11.0	3.46	11.8	107.8	1.77	39.0	100.0	75.0
ZR81KC	TF5	7.0	24,032	82,000	6,950	20.8	3.46	11.8	107.8	1.77	39.0	164.0	75.0
ZR81KC	TF7	7.0	24,032	82,000	6,950	11.8	3.46	11.8	107.8	1.77	39.0	100.0	75.0
ZR81KC	TFD	7.0	24,032	82,000	6,950	11.0	3.46	11.8	107.8	1.77	39.0	100.0	75.0
ZR81KTE	TF5	7.0	24,032	82,000	6,950	20.9	3.46	11.8	107.8	1.77	39.0	164.0	75.0
ZR81KT	TFD	7.0	24,032	82,000	6,950	11.0	3.46	11.8	107.8	1.77	39.0	100.0	75.0
ZR84KC	TF5	7.0	25,058	85,500	7,300	22.8	3.43	11.8	113.6	2.51	57.2	196.0	78.0
ZR84KC	TF7	7.0	25,058	85,500	7,300	13.8	3.43	11.8	113.6	2.51	57.2	135.0	78.0
ZR84KC	TFD	7.0	25,058	85,500	7,300	11.4	3.43	11.8	113.6	2.51	57.2	100.0	78.0
ZR90K3E	TW7	7.5	26,083	89,000	8,000	15.1	3.26	11.1	120.0	4.14	93.9	112.0	83.0
ZR90K3E	TWD	7.5	26,083	89,000	8,000	12.5	3.26	11.1	120.0	4.14	93.9	99.0	83.0
ZR90K3	TW7	7.5	26,083	89,000	8,000	15.1	3.26	11.1	120.0	4.14	93.9	112.0	83.0
ZR90K3	TWD	7.5	26,083	89,000	8,000	12.5	3.26	11.1	120.0	4.14	93.9	99.0	83.0
ZR94KC	TF5	8.0	28,281	96,500	8,200	24.9	3.45	11.8	127.2	2.51	56.7	195.0	78.0
ZR94KC	TFD	8.0	28,281	96,500	8,200	12.8	3.45	11.8	127.2	2.51	57.2	95.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
VR108KF	TFP	9.0	26,376	90,000	7,630	14.0	3.46	11.8	142.9	3.25	59.9	112.0	74.0
VR108KS	TFP	9.0	26,376	90,000	7,550	13.7	3.49	12.0	142.9	3.25	59.9	100.0	74.0
VR125KF	TFP	10.0	31,066	106,000	9,140	16.7	3.40	11.6	167.1	3.25	61.2	153.0	75.0
VR125KS	TFP	10.0	31,066	106,000	9,000	15.8	3.45	11.8	167.1	3.25	61.2	110.0	75.0
VR144KF	TFP	12.0	35,169	120,000	10,250	18.5	3.43	11.7	190.9	3.25	61.2	153.0	76.0
VR144KS	TFP	12.0	35,169	120,000	10,100	17.6	3.48	11.8	190.9	3.25	61.2	110.0	76.0
VR160KS	TFP	13.0	38,099	130,000	11,300	20.2	3.37	11.5	209.1	3.25	64.9	133.0	79.0
VR30KM	TFP	2.5	7,385	25,200	2,210	4.5	3.34	11.4	40.5	0.77	19.5	35.0	63.0
VR30KS	TFP	2.5	7,327	25,000	2,230	4.1	3.29	11.2	41.0	0.74	21.8	34.0	68.0
VR32KS	TFP	2.5	7,913	27,000	2,410	4.3	3.28	11.2	44.2	0.74	21.8	34.0	68.0
VR34KF	TFP	3.0	8,265	28,200	2,560	4.5	3.23	11.0	46.2	0.74	21.8	34.0	68.0
VR48KS	TFP	4.0	11,869	40,500	3,600	6.1	3.30	11.2	65.5	1.36	29.9	50.0	68.0

380V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
VR108KF	TFP	9.0	26,376	90,000	7,630	14.0	3.46	11.8	142.9	3.25	59.9	112.0	74.0
VR108KS	TFP	9.0	26,376	90,000	7,550	13.7	3.49	12.0	142.9	3.25	59.9	100.0	74.0
VR125KF	TFP	10.0	31,066	106,000	9,140	16.7	3.40	11.6	167.1	3.25	61.2	153.0	75.0
VR125KS	TFP	10.0	31,066	106,000	9,000	15.8	3.45	11.8	167.1	3.25	61.2	110.0	75.0
VR144KF	TFP	12.0	35,169	120,000	10,250	18.5	3.43	11.7	190.9	3.25	61.2	153.0	76.0
VR144KS	TFP	12.0	35,169	120,000	10,100	17.6	3.48	11.8	190.9	3.25	61.2	110.0	76.0
VR160KS	TFP	13.0	38,099	130,000	11,300	20.2	3.37	11.5	209.1	3.25	64.9	133.0	79.0
VR30KM	TFP	2.5	7,385	25,200	2,210	4.5	3.34	11.4	40.5	0.77	19.5	35.0	63.0
VR30KS	TFP	2.5	7,327	25,000	2,230	4.1	3.29	11.2	41.0	0.74	21.8	34.0	68.0
VR32KS	TFP	2.5	7,913	27,000	2,410	4.3	3.28	11.2	44.2	0.74	21.8	34.0	68.0
VR34KF	TFP	3.0	8,265	28,200	2,560	4.5	3.23	11.0	46.2	0.74	21.8	34.0	68.0
VR48KS	TFP	4.0	11,869	40,500	3,600	6.1	3.30	11.2	65.5	1.36	29.9	50.0	68.0
VR50KS	TFP	4.0	12,309	42,000	3,620	6.7	3.40	11.6	67.4	1.36	29.9	59.0	69.0
VR52KM	TFP	4.0	14,097	48,100	3,200	6.4	4.41	15.0	70.3	1.48	30.4	58.0	69.0
VR52KS	TFP	4.0	12,807	43,700	3,770	7.0	3.40	11.6	70.3	1.48	29.9	59.0	69.0
VR52KU	TFP	4.0	13,071	44,600	3,710	6.8	3.52	12.0	70.3	1.48	29.9	58.0	69.0
VR53KS	TFP	4.5	13,188	45,000	3,780	7.1	3.49	11.9	72.8	1.36	29.9	58.0	69.0
VR54KM	TFP	4.5	14,624	49,900	3,320	6.5	4.40	15.0	72.8	1.36	29.9	66.0	69.0
VR54KS	TFP	4.5	13,188	45,000	3,920	7.4	3.36	11.5	73.1	1.48	29.9	58.0	69.0
VR54KU	TFP	4.5	13,569	46,300	3,850	7.0	3.52	12.0	72.8	1.48	29.9	58.0	69.0
VR57KF	TFP	4.5	13,921	47,500	4,320	9.1	3.22	11.0	77.2	1.36	29.9	58.7	69.0
VR57KS	TFP	4.5	13,921	47,500	4,130	7.8	3.37	11.5	77.2	1.36	28.6	58.0	69.0
VR61KF	TFP	5.0	14,947	51,000	4,470	8.3	3.34	11.4	82.6	1.36	0.9	58.0	69.0
VR84KS	TFP	7.0	20,808	71,000	6,000	11.9	3.47	11.8	113.6	2.51	57.2	90.0	73.0
VR94KS	TFP	8.0	23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.2	86.0	73.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

220V; 50 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
VR30KM	PFS	2.5	7,385	25,200	2,210	10.1	3.34	11.4	40.5	0.77	19.5	52.9	63.0
VR30KS	PFS	2.5	7,327	25,000	2,230	10.2	3.29	11.2	41.0	0.74	21.3	55.4	68.0
VR30KV	PFS	2.5	N/A	N/A	N/A	N/A	N/A	N/A	40.5	0.77	19.6	52.9	N/A
VR31KM	PFS	2.5	7,796	26,600	2,370	11.0	3.29	11.2	42.4	0.77	19.5	55.5	63.0
VR32KS	PFS	2.5	7,913	27,000	2,410	10.9	3.28	11.2	44.2	0.74	21.8	60.0	68.0
VR34KF	PFS	3.0	8,265	28,200	2,560	11.7	3.23	11.0	46.2	0.74	21.8	62.2	68.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR108KC	TFD	9.0	26,376	90,000	7,550	13.8	3.49	12.0	142.9	3.25	59.9	111.0	74.0
ZR108KF	TFD	9.0	26,376	90,000	7,630	14.0	3.46	11.8	142.9	3.25	59.9	127.0	74.0
ZR108KT	TFD	9.0	26,376	90,000	7,550	13.8	3.49	12.0	142.9	3.25	59.9	111.0	74.0
ZR11M3E	TWD	9.0	26,230	89,500	7,950	14.4	3.30	11.3	144.0	4.14	96.2	123.0	78.0
ZR11M3	TWD	9.0	26,230	89,500	7,950	14.4	3.30	11.3	144.0	4.14	96.2	123.0	78.0
ZR125KC	TFD	10.0	31,066	106,000	9,000	15.8	3.45	11.8	167.1	3.25	61.2	118.0	75.0
ZR125KF	TFD	10.0	31,066	106,000	9,140	16.7	3.40	11.6	167.1	3.25	61.2	153.0	75.0
ZR125KT	TFD	10.0	31,066	106,000	9,000	15.8	3.45	11.8	167.1	3.25	61.2	118.0	75.0
ZR12M3E	TWD	10.0	30,479	104,000	9,100	16.5	3.35	11.4	165.5	4.14	100.2	127.0	78.0
ZR12M3	TWD	10.0	30,479	104,000	9,100	16.5	3.35	11.4	165.5	4.14	100.2	127.0	78.0
ZR144KC	TFD	12.0	35,169	120,000	10,100	17.7	3.48	11.9	190.9	3.25	61.2	118.0	76.0
ZR144KF	TFD	12.0	35,315	120,500	10,250	18.6	3.45	11.8	190.9	3.25	61.2	153.0	76.0
ZR144KT	TFD	12.0	35,169	120,000	10,100	17.6	3.48	11.9	190.9	3.25	61.2	118.0	76.0
ZR160KC	TED	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.37	64.9	140.0	79.0
ZR160KC	TFD	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.25	64.9	140.0	79.0
ZR160KC	TWD	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.25	64.9	140.0	79.0
ZR160KT	TFD	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.25	64.9	140.0	79.0
ZR16M3E	TWD	13.0	37,513	128,000	11,200	19.1	3.35	11.4	204.3	4.14	103.0	167.0	80.0
ZR16M3	TWD	13.0	37,513	128,000	11,200	19.1	3.35	11.4	204.3	4.14	103.0	167.0	80.0
ZR190KC	TED	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.37	64.9	173.0	82.0
ZR190KC	TFD	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.25	66.2	174.0	82.0
ZR190KC	TWD	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.25	66.2	173.0	82.0
ZR190KT	TFD	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.25	66.2	174.0	82.0
ZR19M3	TWD	15.0	46,012	157,000	13,600	23.7	3.38	11.5	245.8	4.14	107.0	198.0	80.0
ZR21K5E	TFD	1.8	5,026	17,150	1,665	3.1	3.02	10.3	29.0	0.74	21.8	29.0	65.0
ZR21K5	TFD	1.8	5,026	17,150	1,665	3.1	3.02	10.3	29.0	0.74	21.8	29.0	65.0
ZR22K3	TFD	1.8	5,334	18,200	1,770	3.2	3.01	10.3	30.6	1.12	36.3	24.0	65.0
ZR22KT	TFD	1.8	5,334	18,200	1,765	3.2	3.02	10.3	30.6	1.12	24.5	24.0	65.0
ZR24K3	TFD	2.0	5,920	20,200	1,920	3.5	3.08	10.5	34.1	1.12	28.6	26.0	65.0
ZR24KT	TFD	2.0	5,920	20,200	1,920	3.5	3.08	10.5	34.1	1.12	24.9	26.0	65.0
ZR250KCE	TED	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR250KCE	TWD	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR250KC	TED	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR250KC	TWD	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR25K5E	TFD	2.0	5,979	20,400	1,920	3.5	3.11	10.6	34.1	0.74	21.8	29.0	65.0
ZR25K5	TFD	2.0	5,979	20,400	1,920	3.5	3.11	10.6	34.1	0.74	21.8	29.0	65.0
ZR26K3	TFD	2.0	6,360	21,700	2,010	3.8	3.16	10.8	36.1	1.12	24.0	26.0	65.0
ZR28K3	TFD	2.5	6,916	23,600	2,150	4.0	3.22	11.0	39.3	1.12	24.0	32.0	65.0
ZR28K5E	TFD	2.5	6,829	23,300	2,140	4.1	3.19	10.9	38.7	0.74	22.7	38.0	65.0
ZR28K5	TFD	2.5	6,829	23,300	2,140	4.1	3.19	10.9	38.7	0.74	22.7	38.0	65.0
ZR28KT	TFD	2.5	6,916	23,600	2,140	4.0	3.23	11.0	39.3	1.12	25.4	32.0	65.0
ZR300KCE	TWD	25.0	70,630	241,000	20,100	34.6	3.51	12.0	384.6	6.30	184.2	250.0	86.0
ZR300KC	TED	25.0	70,630	241,000	20,100	34.6	3.51	12.0	384.6	6.30	184.2	250.0	86.0
ZR300KC	TWD	25.0	70,630	241,000	20,100	34.6	3.51	12.0	384.6	6.30	184.2	250.0	86.0
ZR30K3	TFD	2.5	7,385	25,200	2,290	4.2	3.23	11.0	42.0	1.24	28.1	32.0	65.0
ZR30KS	TFD	2.5	7,327	25,000	2,230	4.1	3.29	11.2	41.0	0.74	21.8	37.7	68.0

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR30KT	TFD	2.5	7,385	25,200	2,290	4.2	3.23	11.0	42.0	1.24	25.9	32.0	65.0
ZR310KC	TED	26.0	74,147	253,000	22,000	38.0	3.37	11.5	410.5	6.80	160.1	272.0	85.0
ZR310KC	TWD	26.0	74,147	253,000	22,000	37.9	3.37	11.5	410.5	6.80	160.1	272.0	85.0
ZR32K3	TFD	2.5	7,766	26,500	2,430	4.4	3.20	10.9	43.4	1.24	28.6	35.0	68.0
ZR32K5E	TFD	2.5	7,708	26,300	2,410	4.3	3.20	10.9	44.1	0.74	22.2	38.0	65.0
ZR32K5	TFD	2.5	7,708	26,300	2,410	4.3	3.20	10.9	44.1	0.74	22.2	38.0	65.0
ZR32KS	TFD	2.5	7,913	27,000	2,410	4.3	3.28	11.2	44.2	0.74	21.8	37.7	68.0
ZR34K3	TFD	3.0	8,235	28,100	2,500	4.6	3.29	11.2	46.2	1.24	25.9	40.0	68.0
ZR34KH	TFD	3.0	8,206	28,000	2,480	4.7	3.31	11.3	46.2	1.04	36.3	40.0	68.0
ZR34KT	TFD	3.0	8,235	28,100	2,500	4.6	3.29	11.3	46.2	1.24	26.8	40.0	68.0
ZR36K3	TFD	3.0	8,851	30,200	2,700	4.8	3.28	11.2	49.5	1.24	30.8	40.0	68.0
ZR36KE	TFD	3.0	8,851	30,200	2,700	5.1	3.28	11.2	49.5	1.24	29.9	50.0	68.0
ZR36KH	TFD	3.0	8,880	30,300	2,680	4.7	3.31	11.3	49.5	1.24	13.6	40.0	68.0
ZR36KT	TFD	3.0	8,851	30,200	2,700	4.8	3.28	11.2	49.5	1.24	27.2	40.0	68.0
ZR380KC	TED	30.0	92,317	315,000	26,500	45.1	3.48	11.9	502.6	6.30	176.9	310.0	88.0
ZR380KC	TWD	30.0	92,317	315,000	26,500	45.1	3.48	11.9	502.6	6.30	176.9	310.0	88.0
ZR38K5E	TFD	3.0	8,997	30,700	2,860	5.3	3.15	10.8	51.0	1.24	27.2	47.0	70.0
ZR38K5	TFD	3.0	8,997	30,700	2,860	5.0	3.15	10.7	51.0	1.24	27.2	47.0	70.0
ZR39KH	TFD	3.5	9,847	33,600	2,950	5.3	3.34	11.4	54.2	1.24	30.4	45.2	68.0
ZR40K3	TFD	3.5	9,759	33,300	2,970	5.3	3.29	11.2	54.2	1.24	26.8	46.0	68.0
ZR40KT	TFD	3.5	9,759	33,300	2,970	5.3	3.29	11.2	54.2	1.24	28.1	46.0	68.0
ZR42K3	TFD	3.5	10,257	35,000	3,110	5.5	3.30	11.3	57.2	1.24	32.7	46.0	68.0
ZR42K5E	TFD	3.5	9,876	33,700	3,260	5.8	3.03	10.4	56.5	1.24	27.2	48.0	70.0
ZR42K5	TFD	3.5	9,876	33,700	3,260	5.8	3.03	10.4	56.5	1.24	27.2	48.0	70.0
ZR42KE	TFD	3.5	10,257	35,000	3,100	5.5	3.31	11.3	57.2	1.24	29.9	50.0	68.0
ZR42KT	TFD	3.5	10,257	35,000	3,100	5.5	3.31	11.3	57.2	1.24	28.1	46.0	68.0
ZR44K5	TFD	3.5	10,580	36,100	3,280	5.4	3.23	11.0	58.3	1.24	28.6	41.0	70.0
ZR45K3	TFD	3.5	10,990	37,500	3,320	5.9	3.31	11.3	61.1	1.36	28.1	48.0	68.0
ZR45KC	TFD	3.5	11,107	37,900	3,320	6.1	3.35	11.4	61.1	1.36	28.1	48.0	68.0
ZR45KE	TFD	3.5	11,107	37,900	3,320	5.8	3.35	11.4	61.1	1.24	29.9	50.0	68.0
ZR45KT	TFD	3.5	11,107	37,900	3,320	6.1	3.35	11.4	61.1	1.36	28.1	48.0	68.0
ZR46K3	TFD	4.0	11,166	38,100	3,440	6.0	3.25	11.0	62.9	1.95	37.2	51.5	69.0
ZR47K3	TFD	4.0	11,371	38,800	3,430	6.0	3.32	11.3	63.3	1.36	28.1	50.0	68.0
ZR47KC	TFD	4.0	11,547	39,400	3,430	6.3	3.37	11.5	64.2	1.36	28.1	48.0	68.0
ZR47KS	TFD	4.0	11,547	39,400	3,430	6.3	3.37	11.5	63.4	1.36	28.1	48.0	68.0
ZR47KT	TFD	4.0	11,547	39,400	3,430	6.3	3.37	11.5	64.2	1.36	28.1	48.0	68.0
ZR48K3	TFD	4.0	11,869	40,500	3,610	6.5	3.29	11.2	65.5	1.36	28.1	50.0	68.0
ZR48K5E	TFD	4.0	11,547	39,400	3,430	6.2	3.37	11.5	63.4	1.24	29.0	60.0	70.0
ZR48K5	TFD	4.0	11,547	39,400	3,430	6.2	3.37	11.5	63.4	1.24	29.0	60.0	70.0
ZR48KC	TFD	4.0	11,869	40,500	3,600	6.1	3.30	11.2	65.5	1.36	28.1	50.0	68.0
ZR48KE	TFD	4.0	11,869	40,500	3,520	6.2	3.37	11.5	65.5	1.24	29.9	50.0	68.0
ZR48KE	TFM	4.0	11,869	40,500	3,580	6.1	3.32	11.3	65.5	1.36	29.9	48.0	68.0
ZR48KT	TFD	4.0	11,869	40,500	3,610	6.5	3.29	11.2	65.5	1.36	28.1	50.0	68.0
ZR49K3	TFD	4.0	11,840	40,400	3,650	6.4	3.24	11.1	67.2	1.95	37.2	51.5	69.0
ZR52K3	TFD	4.0	12,602	43,000	3,830	6.5	3.29	11.2	70.1	1.95	0.0	51.5	71.0
ZR54K3	TFD	4.5	12,895	44,000	4,060	7.0	3.18	10.8	73.3	1.95	37.2	51.5	71.0

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR54K5E	TFD	4.5	12,924	44,100	3,880	6.7	3.33	11.4	72.1	1.24	30.8	52.0	70.0
ZR54K5	TFD	4.5	12,924	44,100	3,880	6.7	3.33	11.4	72.1	1.24	30.8	52.0	70.0
ZR54KC	TFD	4.5	13,188	45,000	3,980	7.3	3.31	11.3	73.3	1.95	35.8	61.8	71.0
ZR54KE	TFD	4.5	13,188	45,000	3,920	7.4	3.36	11.5	73.1	1.36	29.9	71.3	69.0
ZR54KE	TFM	4.5	13,188	45,000	3,920	7.4	3.36	11.5	73.1	1.36	29.9	71.3	69.0
ZR54KS	TFD	4.5	13,188	45,000	3,920	7.1	3.36	11.5	73.1	1.24	29.9	56.0	69.0
ZR54KT	TFD	4.5	13,188	45,000	3,980	7.3	3.31	11.3	73.3	1.95	35.8	59.6	71.0
ZR57K3E	TFD	5.0	13,745	46,900	4,110	7.3	3.34	11.4	77.2	1.95	38.6	64.0	71.0
ZR57K3	TFD	5.0	13,745	46,900	4,110	7.3	3.34	11.4	77.2	1.95	38.6	64.0	71.0
ZR57KC	TFD	5.0	13,921	47,500	4,170	7.8	3.34	11.4	77.2	1.95	36.3	61.8	71.0
ZR57KE	TFD	5.0	13,921	47,500	4,130	7.8	3.37	11.5	77.2	1.36	28.6	71.3	69.0
ZR57KE	TFM	5.0	13,921	47,500	4,130	7.8	3.37	11.5	77.2	1.36	28.6	71.3	69.0
ZR57KH	TFD	5.0	14,009	47,800	4,190	7.4	3.34	11.4	77.2	1.95	38.6	64.0	72.0
ZR57KS	TFD	5.0	14,067	48,000	4,170	7.5	3.37	11.5	77.2	1.24	29.9	56.0	69.0
ZR57KT	TFD	5.0	13,921	47,500	4,170	7.9	3.34	11.4	77.2	1.95	36.3	61.8	71.0
ZR61K3E	TFD	5.0	14,654	50,000	4,400	7.6	3.33	11.4	82.6	1.95	38.1	64.0	71.0
ZR61K3	TFD	5.0	14,654	50,000	4,400	7.6	3.33	11.4	82.6	1.95	38.1	64.0	74.0
ZR61KC	TFD	5.0	14,566	49,700	4,430	8.2	3.29	11.2	82.6	1.95	35.8	65.5	71.0
ZR61KE	TFD	5.0	14,947	51,000	4,470	8.3	3.34	11.4	82.6	1.36	29.9	71.3	69.0
ZR61KE	TFM	5.0	14,947	51,000	4,470	8.3	3.34	11.4	82.6	1.36	29.9	71.3	69.0
ZR61KH	TFD	5.0	14,976	51,100	4,440	7.8	3.37	11.5	82.6	1.77	27.2	67.0	72.0
ZR61KS	TFD	5.0	14,947	51,000	4,430	7.9	3.37	11.5	82.6	1.24	29.9	59.0	69.0
ZR61KT	TFD	5.0	14,566	49,700	4,430	8.3	3.29	11.2	82.6	1.95	35.8	65.5	71.0
ZR68KCE	TFD	6.0	16,852	57,500	4,960	8.6	3.40	11.6	93.1	1.77	39.0	74.0	72.0
ZR68KC	TFD	6.0	16,852	57,500	4,960	8.6	3.40	11.6	93.1	1.77	39.0	74.0	72.0
ZR68KT	TFD	6.0	16,852	57,500	4,960	8.6	3.40	11.6	93.1	1.77	39.0	74.0	72.0
ZR72KCE	TFD	6.0	17,731	60,500	5,200	8.9	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KC	TFD	6.0	17,731	60,500	5,200	8.9	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KC	TFM	6.0	17,731	60,500	5,200	8.9	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KS	TFD	6.0	17,731	60,500	5,200	8.8	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KT	TFD	6.0	17,731	60,500	5,180	8.9	3.42	11.7	98.0	1.77	38.6	74.0	72.0
ZR81KCE	TFD	7.0	19,929	68,000	5,800	10.5	3.44	11.7	107.8	1.77	39.0	101.0	72.0
ZR81KC	TFD	7.0	19,929	68,000	5,810	10.5	3.43	11.7	107.8	1.77	39.0	101.0	72.0
ZR81KT	TFD	7.0	19,929	68,000	5,800	10.5	3.44	11.7	107.8	1.77	39.0	101.0	72.0
ZR84KC	TFD	7.0	20,808	71,000	6,000	11.4	3.47	11.8	113.6	2.51	57.2	100.0	73.0
ZR90K3E	TWD	7.5	21,541	73,500	6,600	12.5	3.26	11.1	120.0	4.14	93.9	99.0	80.0
ZR90K3	TWD	7.5	21,541	73,500	6,600	12.5	3.26	11.1	120.0	4.14	93.9	99.0	80.0
ZR94KC	TFD	8.0	23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.2	95.0	73.0
ZR94KT	TFD	8.0	23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.2	95.0	73.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

208-230V ; 60 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR16K4	PFV	1.3	4,836	16,500	1,560	6.7	3.10	10.6	22.8	0.74	19.8	41.0	68.0
ZR16K5	PFV	1.3	4,543	15,500	1,485	6.3	3.06	10.5	21.5	0.74	21.3	40.3	68.0
ZR16KA	PFV	1.3	4,543	15,500	1,460	6.4	3.11	10.6	21.5	0.74	21.5	40.3	68.0
ZR18K4	PFV	1.5	5,275	18,000	1,700	7.5	3.10	10.6	24.9	0.74	19.5	45.0	68.0
ZR18K5	PFV	1.5	5,275	18,000	1,705	7.8	3.09	10.6	25.2	0.74	21.8	55.0	68.0
ZR21K5	PFV	1.8	6,154	21,000	1,980	8.7	3.11	10.6	29.0	0.74	20.9	56.0	68.0
ZR21KA	PFV	1.8	6,154	21,000	1,960	8.6	3.14	10.7	29.0	0.74	21.3	54.0	68.0
ZR22K3	PFV	1.8	6,565	22,400	2,090	9.0	3.14	10.7	30.6	1.12	36.3	56.0	68.0
ZR22K4	PFV	1.8	6,448	22,000	2,040	8.8	3.16	10.8	30.3	0.74	19.9	54.0	68.0
ZR24K3	PFV	2.0	7,180	24,500	2,230	10.3	3.22	11.0	34.1	1.12	28.6	61.0	68.0
ZR24K4	PFV	2.0	7,034	24,000	2,220	9.9	3.17	10.8	33.1	0.74	20.0	63.0	68.0
ZR24KL	PFV	2.0	7,180	24,500	2,230	10.0	3.22	11.0	34.1	1.12	26.8	61.0	68.0
ZR25K5	PFV	2.0	7,415	25,300	2,320	10.3	3.20	10.9	34.1	0.74	22.7	68.0	68.0
ZR26K3	PFV	2.0	7,796	26,600	2,440	11.1	3.19	10.9	36.1	1.12	24.0	67.0	68.0
ZR26K5	PFV	2.0	7,620	26,000	2,380	10.6	3.20	10.9	35.1	0.74	22.2	75.0	68.0
ZR26KA	PFV	2.0	7,620	26,000	2,380	10.6	3.20	10.9	35.1	0.74	22.5	68.0	68.0
ZR26KL	PFV	2.0	7,678	26,200	2,380	10.9	3.23	11.0	36.1	1.12	27.2	67.0	68.0
ZR28K3	PFV	2.5	8,353	28,500	2,560	11.9	3.26	11.1	39.3	1.12	24.0	72.5	68.0
ZR28K5	PFV	2.5	8,323	28,400	2,590	11.5	3.21	11.0	38.7	0.74	22.2	75.0	68.0
ZR28KA	PFV	2.5	8,323	28,400	2,580	11.5	3.23	11.0	39.2	0.74	22.5	68.0	68.0
ZR28KC	PFV	2.5	8,499	29,000	2,620	12.0	3.24	11.0	39.3	1.12	24.0	73.0	68.0
ZR28KM	PFV	2.5	8,235	28,100	2,450	10.9	3.36	11.4	37.2	0.77	19.1	61.5	66.0
ZR30K3	PFV	2.5	9,115	31,100	2,800	12.6	3.26	11.1	42.0	1.24	28.1	73.0	68.0
ZR30KC	PFV	2.5	9,115	31,100	2,850	13.7	3.20	10.9	42.0	1.24	0.0	84.0	68.0
ZR32K3	PFV	2.5	9,554	32,600	2,960	13.6	3.23	11.0	43.4	1.24	28.6	83.0	71.0
ZR32K5	PFV	2.5	9,554	32,600	2,910	13.3	3.28	11.2	44.1	0.74	22.2	87.0	68.0
ZR32KA	PFV	2.5	9,554	32,600	2,910	13.2	3.28	11.2	43.9	0.74	22.6	77.0	N/A
ZR34K3	PFV	3.0	10,082	34,400	3,060	14.1	3.29	11.2	46.2	1.24	25.9	88.0	71.0
ZR34K5	PFV	3.0	10,140	34,600	3,180	14.1	3.19	10.9	46.2	0.74	22.7	88.0	68.0
ZR34KA	PFV	3.0	10,082	34,400	3,100	13.6	3.25	11.1	46.2	0.74	22.7	77.0	68.0
ZR34KC	PFV	3.0	10,052	34,300	3,120	14.6	3.22	11.0	46.2	1.24	28.5	93.0	71.0
ZR34KL	PFV	3.0	9,964	34,000	3,030	13.7	3.29	11.2	46.2	1.24	29.0	88.0	71.0
ZR36K3	PFV	3.0	10,814	36,900	3,290	14.9	3.29	11.2	49.5	1.24	30.8	95.0	71.0
ZR36KC	PFV	3.0	10,814	36,900	3,350	15.9	3.23	11.0	49.5	1.24	30.8	100.0	71.0
ZR38K5	PFV	3.0	11,137	38,000	3,390	15.9	3.29	11.2	51.0	1.24	29.0	112.0	70.0
ZR38KA	PFV	3.0	11,137	38,000	3,400	15.5	3.28	11.2	52.3	1.24	29.2	104.0	70.0
ZR40K3	PFV	3.5	11,899	40,600	3,630	16.8	3.28	11.2	54.2	1.24	26.8	104.0	71.0
ZR40KC	PFV	3.5	11,899	40,600	3,690	17.3	3.22	11.0	54.2	1.24	28.6	103.0	71.0
ZR42K3	PFV	3.5	12,543	42,800	3,790	17.2	3.31	11.3	57.2	1.24	31.8	109.0	71.0
ZR42K5	PFV	3.5	12,368	42,200	3,730	16.6	3.32	11.3	56.5	1.24	30.8	104.0	70.0
ZR42KA	PFV	3.5	12,368	42,200	3,750	16.4	3.30	11.3	56.5	1.24	30.9	97.0	71.0
ZR42KC	PFV	3.5	12,309	42,000	3,820	19.7	3.22	11.0	57.2	1.24	31.8	127.0	71.0
ZR44K5	PFV	3.5	12,895	44,000	3,890	17.7	3.31	11.3	58.3	1.24	30.8	137.0	70.0
ZR44KA	PFV	3.5	12,895	44,000	3,820	17.3	3.38	11.5	59.5	1.24	30.9	137.0	70.0
ZR45K3	PFV	3.5	13,481	46,000	4,000	18.5	3.37	11.5	61.1	1.24	32.2	137.0	71.0
ZR45KC	PFV	3.5	13,481	46,000	4,140	20.9	3.26	11.1	61.1	1.24	30.4	131.0	71.0

208-230V ; 60 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR46K3	PFV	4.0	13,774	47,000	4,200	18.8	3.28	11.2	62.9	1.95	41.3	129.0	72.0
ZR47K3	PFV	4.0	14,126	48,200	4,190	18.2	3.37	11.5	63.3	1.24	31.3	137.0	71.0
ZR47KC	PFV	4.0	13,921	47,500	4,270	20.8	3.26	11.1	64.2	1.24	29.9	131.0	71.0
ZR48K3	PFV	4.0	14,595	49,800	4,330	19.5	3.37	11.5	65.5	1.24	32.2	137.0	71.0
ZR48K5	PFV	4.0	14,126	48,200	4,220	19.2	3.35	11.4	63.4	1.24	31.8	137.0	70.0
ZR48KC	PFV	4.0	14,507	49,500	4,400	21.5	3.30	11.2	65.5	1.24	30.8	132.0	71.0
ZR49K3	PFV	4.0	14,419	49,200	4,410	20.1	3.27	11.2	67.2	1.95	41.3	129.0	72.0
ZR52K3	PFV	4.0	15,240	52,000	4,560	20.4	3.34	11.4	70.1	1.66	0.0	148.0	74.0
ZR54K3	PFV	4.5	16,119	55,000	4,830	21.4	3.34	11.4	73.3	1.66	43.1	148.0	74.0
ZR54K5	PFV	4.5	15,679	53,500	4,740	21.0	3.31	11.3	72.1	1.24	32.7	146.0	70.0
ZR54KA	PFV	4.5	15,679	53,500	4,730	21.1	3.31	11.3	71.3	1.24	32.8	141.0	70.0
ZR54KC	PFV	4.5	16,119	55,000	5,000	25.0	3.22	11.0	73.3	1.66	39.0	150.0	74.0
ZR57K3	PFV	5.0	16,998	58,000	5,040	23.6	3.37	11.5	77.2	1.66	40.8	148.0	74.0
ZR57KC	PFV	5.0	16,852	57,500	5,200	25.5	3.24	11.0	77.2	1.89	39.0	150.0	74.0
ZR61K3	PFV	5.0	18,170	62,000	5,450	24.8	3.33	11.4	82.6	1.66	40.8	148.0	74.0
ZR61KC	PFV	5.0	18,170	62,000	5,500	25.4	3.30	11.3	82.6	1.66	39.5	144.0	74.0
ZR67KW	PFV	5.5	19,636	67,000	6,150	27.9	3.19	10.9	93.1	1.77	43.1	129.0	75.0
ZR68KC	PFV	6.0	20,368	69,500	6,200	28.0	3.29	11.2	93.1	1.77	40.4	176.0	74.0
ZR80KW	PFV	6.5	23,651	80,700	7,320	33.5	3.23	11.0	107.8	1.77	39.0	176.0	75.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR108KC	TFD	9.0	26,376	90,000	7,550	13.8	3.49	12.0	142.9	3.25	59.9	111.0	74.0
ZR108KF	TFD	9.0	26,376	90,000	7,630	14.0	3.46	11.8	142.9	3.25	59.9	127.0	74.0
ZR108KT	TFD	9.0	26,376	90,000	7,550	13.8	3.49	12.0	142.9	3.25	59.9	111.0	74.0
ZR11M3E	TWD	9.0	26,230	89,500	7,950	14.4	3.30	11.3	144.0	4.14	96.2	123.0	78.0
ZR11M3	TWD	9.0	26,230	89,500	7,950	14.4	3.30	11.3	144.0	4.14	96.2	123.0	78.0
ZR125KC	TFD	10.0	31,066	106,000	9,000	15.8	3.45	11.8	167.1	3.25	61.2	118.0	75.0
ZR125KF	TFD	10.0	31,066	106,000	9,140	16.7	3.40	11.6	167.1	3.25	61.2	153.0	75.0
ZR125KT	TFD	10.0	31,066	106,000	9,000	15.8	3.45	11.8	167.1	3.25	61.2	118.0	75.0
ZR12M3E	TWD	10.0	30,479	104,000	9,100	16.5	3.35	11.4	165.5	4.14	100.2	127.0	78.0
ZR12M3	TWD	10.0	30,479	104,000	9,100	16.5	3.35	11.4	165.5	4.14	100.2	127.0	78.0
ZR144KC	TFD	12.0	35,169	120,000	10,100	17.7	3.48	11.9	190.9	3.25	61.2	118.0	76.0
ZR144KF	TFD	12.0	35,315	120,500	10,250	18.6	3.45	11.8	190.9	3.25	61.2	153.0	76.0
ZR144KT	TFD	12.0	35,169	120,000	10,100	17.6	3.48	11.9	190.9	3.25	61.2	118.0	76.0
ZR160KC	TED	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.37	64.9	140.0	79.0
ZR160KC	TFD	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.25	64.9	140.0	79.0
ZR160KC	TWD	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.25	64.9	140.0	79.0
ZR160KT	TFD	13.0	38,099	130,000	11,300	20.3	3.37	11.5	209.1	3.25	64.9	140.0	79.0
ZR16M3E	TWD	13.0	37,513	128,000	11,200	19.1	3.35	11.4	204.3	4.14	103.0	167.0	80.0
ZR16M3	TWD	13.0	37,513	128,000	11,200	19.1	3.35	11.4	204.3	4.14	103.0	167.0	80.0

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR190KC	TED	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.37	64.9	173.0	82.0
ZR190KC	TFD	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.25	66.2	174.0	82.0
ZR190KC	TWD	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.25	66.2	173.0	82.0
ZR190KT	TFD	15.0	45,426	155,000	13,600	25.6	3.34	11.4	249.1	3.25	66.2	174.0	82.0
ZR19M3	TWD	15.0	46,012	157,000	13,600	23.7	3.38	11.5	245.8	4.14	107.0	198.0	80.0
ZR21K5E	TFD	1.8	5,026	17,150	1,665	3.1	3.02	10.3	29.0	0.74	21.8	29.0	65.0
ZR21K5	TFD	1.8	5,026	17,150	1,665	3.1	3.02	10.3	29.0	0.74	21.8	29.0	65.0
ZR22K3	TFD	1.8	5,334	18,200	1,770	3.2	3.01	10.3	30.6	1.12	36.3	24.0	65.0
ZR22KT	TFD	1.8	5,334	18,200	1,765	3.2	3.02	10.3	30.6	1.12	24.5	24.0	65.0
ZR24K3	TFD	2.0	5,920	20,200	1,920	3.5	3.08	10.5	34.1	1.12	28.6	26.0	65.0
ZR24KT	TFD	2.0	5,920	20,200	1,920	3.5	3.08	10.5	34.1	1.12	24.9	26.0	65.0
ZR250KCE	TED	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR250KCE	TWD	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR250KC	TED	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR250KC	TWD	20.0	59,786	204,000	17,700	29.6	3.38	11.5	325.1	4.67	139.3	225.0	83.0
ZR25K5E	TFD	2.0	5,979	20,400	1,920	3.5	3.11	10.6	34.1	0.74	21.8	29.0	65.0
ZR25K5	TFD	2.0	5,979	20,400	1,920	3.5	3.11	10.6	34.1	0.74	21.8	29.0	65.0
ZR26K3	TFD	2.0	6,360	21,700	2,010	3.8	3.16	10.8	36.1	1.12	24.0	26.0	65.0
ZR28K3	TFD	2.5	6,916	23,600	2,150	4.0	3.22	11.0	39.3	1.12	24.0	32.0	65.0
ZR28K5E	TFD	2.5	6,829	23,300	2,140	4.1	3.19	10.9	38.7	0.74	22.7	38.0	65.0
ZR28K5	TFD	2.5	6,829	23,300	2,140	4.1	3.19	10.9	38.7	0.74	22.7	38.0	65.0
ZR28KT	TFD	2.5	6,916	23,600	2,140	4.0	3.23	11.0	39.3	1.12	25.4	32.0	65.0
ZR300KCE	TWD	25.0	70,630	241,000	20,100	34.6	3.51	12.0	384.6	6.30	184.2	250.0	86.0
ZR300KC	TED	25.0	70,630	241,000	20,100	34.6	3.51	12.0	384.6	6.30	184.2	250.0	86.0
ZR300KC	TWD	25.0	70,630	241,000	20,100	34.6	3.51	12.0	384.6	6.30	184.2	250.0	86.0
ZR30K3	TFD	2.5	7,385	25,200	2,290	4.2	3.23	11.0	42.0	1.24	28.1	32.0	65.0
ZR30KS	TFD	2.5	7,327	25,000	2,230	4.1	3.29	11.2	41.0	0.74	21.8	37.7	68.0
ZR30KT	TFD	2.5	7,385	25,200	2,290	4.2	3.23	11.0	42.0	1.24	25.9	32.0	65.0
ZR310KC	TED	26.0	74,147	253,000	22,000	38.0	3.37	11.5	410.5	6.80	160.1	272.0	85.0
ZR310KC	TWD	26.0	74,147	253,000	22,000	37.9	3.37	11.5	410.5	6.80	160.1	272.0	85.0
ZR32K3	TFD	2.5	7,766	26,500	2,430	4.4	3.20	10.9	43.4	1.24	28.6	35.0	68.0
ZR32K5E	TFD	2.5	7,708	26,300	2,410	4.3	3.20	10.9	44.1	0.74	22.2	38.0	65.0
ZR32K5	TFD	2.5	7,708	26,300	2,410	4.3	3.20	10.9	44.1	0.74	22.2	38.0	65.0
ZR32KS	TFD	2.5	7,913	27,000	2,410	4.3	3.28	11.2	44.2	0.74	21.8	37.7	68.0
ZR34K3	TFD	3.0	8,235	28,100	2,500	4.6	3.29	11.2	46.2	1.24	25.9	40.0	68.0
ZR34KH	TFD	3.0	8,206	28,000	2,480	4.7	3.31	11.3	46.2	1.04	36.3	40.0	68.0
ZR34KT	TFD	3.0	8,235	28,100	2,500	4.6	3.29	11.3	46.2	1.24	26.8	40.0	68.0
ZR36K3	TFD	3.0	8,851	30,200	2,700	4.8	3.28	11.2	49.5	1.24	30.8	40.0	68.0
ZR36KE	TFD	3.0	8,851	30,200	2,700	5.1	3.28	11.2	49.5	1.24	29.9	50.0	68.0
ZR36KH	TFD	3.0	8,880	30,300	2,680	4.7	3.31	11.3	49.5	1.24	13.6	40.0	68.0
ZR36KT	TFD	3.0	8,851	30,200	2,700	4.8	3.28	11.2	49.5	1.24	27.2	40.0	68.0
ZR380KC	TED	30.0	92,317	315,000	26,500	45.1	3.48	11.9	502.6	6.30	176.9	310.0	88.0
ZR380KC	TWD	30.0	92,317	315,000	26,500	45.1	3.48	11.9	502.6	6.30	176.9	310.0	88.0
ZR38K5E	TFD	3.0	8,997	30,700	2,860	5.3	3.15	10.8	51.0	1.24	27.2	47.0	70.0
ZR38K5	TFD	3.0	8,997	30,700	2,860	5.0	3.15	10.7	51.0	1.24	27.2	47.0	70.0

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR39KH	TFD	3.5	9,847	33,600	2,950	5.3	3.34	11.4	54.2	1.24	30.4	45.2	68.0
ZR40K3	TFD	3.5	9,759	33,300	2,970	5.3	3.29	11.2	54.2	1.24	26.8	46.0	68.0
ZR40KT	TFD	3.5	9,759	33,300	2,970	5.3	3.29	11.2	54.2	1.24	28.1	46.0	68.0
ZR42K3	TFD	3.5	10,257	35,000	3,110	5.5	3.30	11.3	57.2	1.24	32.7	46.0	68.0
ZR42K5E	TFD	3.5	9,876	33,700	3,260	5.8	3.03	10.4	56.5	1.24	27.2	48.0	70.0
ZR42K5	TFD	3.5	9,876	33,700	3,260	5.8	3.03	10.4	56.5	1.24	27.2	48.0	70.0
ZR42KE	TFD	3.5	10,257	35,000	3,100	5.5	3.31	11.3	57.2	1.24	29.9	50.0	68.0
ZR42KT	TFD	3.5	10,257	35,000	3,100	5.5	3.31	11.3	57.2	1.24	28.1	46.0	68.0
ZR44K5	TFD	3.5	10,580	36,100	3,280	5.4	3.23	11.0	58.3	1.24	28.6	41.0	70.0
ZR45K3	TFD	3.5	10,990	37,500	3,320	5.9	3.31	11.3	61.1	1.36	28.1	48.0	68.0
ZR45KC	TFD	3.5	11,107	37,900	3,320	6.1	3.35	11.4	61.1	1.36	28.1	48.0	68.0
ZR45KE	TFD	3.5	11,107	37,900	3,320	5.8	3.35	11.4	61.1	1.24	29.9	50.0	68.0
ZR45KT	TFD	3.5	11,107	37,900	3,320	6.1	3.35	11.4	61.1	1.36	28.1	48.0	68.0
ZR46K3	TFD	4.0	11,166	38,100	3,440	6.0	3.25	11.0	62.9	1.95	37.2	51.5	69.0
ZR47K3	TFD	4.0	11,371	38,800	3,430	6.0	3.32	11.3	63.3	1.36	28.1	50.0	68.0
ZR47KC	TFD	4.0	11,547	39,400	3,430	6.3	3.37	11.5	64.2	1.36	28.1	48.0	68.0
ZR47KS	TFD	4.0	11,547	39,400	3,430	6.3	3.37	11.5	63.4	1.36	28.1	48.0	68.0
ZR47KT	TFD	4.0	11,547	39,400	3,430	6.3	3.37	11.5	64.2	1.36	28.1	48.0	68.0
ZR48K3	TFD	4.0	11,869	40,500	3,610	6.5	3.29	11.2	65.5	1.36	28.1	50.0	68.0
ZR48K5E	TFD	4.0	11,547	39,400	3,430	6.2	3.37	11.5	63.4	1.24	29.0	60.0	70.0
ZR48K5	TFD	4.0	11,547	39,400	3,430	6.2	3.37	11.5	63.4	1.24	29.0	60.0	70.0
ZR48KC	TFD	4.0	11,869	40,500	3,600	6.1	3.30	11.2	65.5	1.36	28.1	50.0	68.0
ZR48KE	TFD	4.0	11,869	40,500	3,520	6.2	3.37	11.5	65.5	1.24	29.9	50.0	68.0
ZR48KE	TFM	4.0	11,869	40,500	3,580	6.1	3.32	11.3	65.5	1.36	29.9	48.0	68.0
ZR48KT	TFD	4.0	11,869	40,500	3,610	6.5	3.29	11.2	65.5	1.36	28.1	50.0	68.0
ZR49K3	TFD	4.0	11,840	40,400	3,650	6.4	3.24	11.1	67.2	1.95	37.2	51.5	69.0
ZR52K3	TFD	4.0	12,602	43,000	3,830	6.5	3.29	11.2	70.1	1.95	0.0	51.5	71.0
ZR54K3	TFD	4.5	12,895	44,000	4,060	7.0	3.18	10.8	73.3	1.95	37.2	51.5	71.0
ZR54K5E	TFD	4.5	12,924	44,100	3,880	6.7	3.33	11.4	72.1	1.24	30.8	52.0	70.0
ZR54K5	TFD	4.5	12,924	44,100	3,880	6.7	3.33	11.4	72.1	1.24	30.8	52.0	70.0
ZR54KC	TFD	4.5	13,188	45,000	3,980	7.3	3.31	11.3	73.3	1.95	35.8	61.8	71.0
ZR54KE	TFD	4.5	13,188	45,000	3,920	7.4	3.36	11.5	73.1	1.36	29.9	71.3	69.0
ZR54KE	TFM	4.5	13,188	45,000	3,920	7.4	3.36	11.5	73.1	1.36	29.9	71.3	69.0
ZR54KS	TFD	4.5	13,188	45,000	3,920	7.1	3.36	11.5	73.1	1.24	29.9	56.0	69.0
ZR54KT	TFD	4.5	13,188	45,000	3,980	7.3	3.31	11.3	73.3	1.95	35.8	59.6	71.0
ZR57K3E	TFD	5.0	13,745	46,900	4,110	7.3	3.34	11.4	77.2	1.95	38.6	64.0	71.0
ZR57K3	TFD	5.0	13,745	46,900	4,110	7.3	3.34	11.4	77.2	1.95	38.6	64.0	71.0
ZR57KC	TFD	5.0	13,921	47,500	4,170	7.8	3.34	11.4	77.2	1.95	36.3	61.8	71.0
ZR57KE	TFD	5.0	13,921	47,500	4,130	7.8	3.37	11.5	77.2	1.36	28.6	71.3	69.0
ZR57KE	TFM	5.0	13,921	47,500	4,130	7.8	3.37	11.5	77.2	1.36	28.6	71.3	69.0
ZR57KH	TFD	5.0	14,009	47,800	4,190	7.4	3.34	11.4	77.2	1.95	38.6	64.0	72.0
ZR57KS	TFD	5.0	14,067	48,000	4,170	7.5	3.37	11.5	77.2	1.24	29.9	56.0	69.0
ZR57KT	TFD	5.0	13,921	47,500	4,170	7.9	3.34	11.4	77.2	1.95	36.3	61.8	71.0
ZR61K3E	TFD	5.0	14,654	50,000	4,400	7.6	3.33	11.4	82.6	1.95	38.1	64.0	71.0
ZR61K3	TFD	5.0	14,654	50,000	4,400	7.6	3.33	11.4	82.6	1.95	38.1	64.0	74.0

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR61KC	TFD	5.0	14,566	49,700	4,430	8.2	3.29	11.2	82.6	1.95	35.8	65.5	71.0
ZR61KE	TFD	5.0	14,947	51,000	4,470	8.3	3.34	11.4	82.6	1.36	29.9	71.3	69.0
ZR61KE	TFM	5.0	14,947	51,000	4,470	8.3	3.34	11.4	82.6	1.36	29.9	71.3	69.0
ZR61KH	TFD	5.0	14,976	51,100	4,440	7.8	3.37	11.5	82.6	1.77	27.2	67.0	72.0
ZR61KS	TFD	5.0	14,947	51,000	4,430	7.9	3.37	11.5	82.6	1.24	29.9	59.0	69.0
ZR61KT	TFD	5.0	14,566	49,700	4,430	8.3	3.29	11.2	82.6	1.95	35.8	65.5	71.0
ZR68KCE	TFD	6.0	16,852	57,500	4,960	8.6	3.40	11.6	93.1	1.77	39.0	74.0	72.0
ZR68KC	TFD	6.0	16,852	57,500	4,960	8.6	3.40	11.6	93.1	1.77	39.0	74.0	72.0
ZR68KT	TFD	6.0	16,852	57,500	4,960	8.6	3.40	11.6	93.1	1.77	39.0	74.0	72.0
ZR72KCE	TFD	6.0	17,731	60,500	5,200	8.9	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KC	TFD	6.0	17,731	60,500	5,200	8.9	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KC	TFM	6.0	17,731	60,500	5,200	8.9	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KS	TFD	6.0	17,731	60,500	5,200	8.8	3.41	11.7	98.0	1.77	38.6	74.0	72.0
ZR72KT	TFD	6.0	17,731	60,500	5,180	8.9	3.42	11.7	98.0	1.77	38.6	74.0	72.0
ZR81KCE	TFD	7.0	19,929	68,000	5,800	10.5	3.44	11.7	107.8	1.77	39.0	101.0	72.0
ZR81KC	TFD	7.0	19,929	68,000	5,810	10.5	3.43	11.7	107.8	1.77	39.0	101.0	72.0
ZR81KT	TFD	7.0	19,929	68,000	5,800	10.5	3.44	11.7	107.8	1.77	39.0	101.0	72.0
ZR84KC	TFD	7.0	20,808	71,000	6,000	11.4	3.47	11.8	113.6	2.51	57.2	100.0	73.0
ZR90K3E	TWD	7.5	21,541	73,500	6,600	12.5	3.26	11.1	120.0	4.14	93.9	99.0	80.0
ZR90K3	TWD	7.5	21,541	73,500	6,600	12.5	3.26	11.1	120.0	4.14	93.9	99.0	80.0
ZR94KC	TFD	8.0	23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.2	95.0	73.0
ZR94KT	TFD	8.0	23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.2	95.0	73.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR108KC	TF5	9.0	31,945	109,000	9,200	28.2	3.47	11.9	142.9	3.25	59.9	225.0	80.0
ZR108KC	TFD	9.0	31,945	109,000	9,200	14.1	3.47	11.9	142.9	3.25	59.9	114.0	80.0
ZR108KF	TFD	9.0	31,945	109,000	9,320	14.3	3.43	11.7	142.9	3.25	59.9	126.0	74.0
ZR11M3E	TWD	9.0	31,652	108,000	9,600	14.4	3.30	11.3	144.0	4.14	96.2	125.0	81.0
ZR11M3	TW7	9.0	31,652	108,000	9,600	17.4	3.30	11.3	144.0	4.14	96.2	144.0	81.0
ZR11M3	TWD	9.0	31,652	108,000	9,600	14.4	3.30	11.3	144.0	4.14	96.2	125.0	81.0
ZR125KC	TF5	10.0	37,513	128,000	10,900	32.6	3.44	11.7	167.1	3.25	61.2	239.0	80.0
ZR125KC	TFD	10.0	37,513	128,000	10,900	16.3	3.44	11.7	167.1	3.25	61.2	125.0	80.0
ZR125KF	TFD	10.0	37,513	128,000	11,150	17.1	3.36	11.5	167.1	3.25	61.2	150.0	80.0
ZR12M3E	TW7	10.0	36,634	125,000	11,000	19.9	3.33	11.4	165.5	4.14	100.2	151.0	81.0
ZR12M3E	TWD	10.0	36,634	125,000	11,000	16.5	3.33	11.4	165.5	4.14	100.2	127.0	81.0
ZR12M3	TW7	10.0	36,634	125,000	11,000	19.9	3.33	11.4	165.5	4.14	100.2	151.0	81.0
ZR12M3	TWD	10.0	36,634	125,000	11,000	16.5	3.33	11.4	165.5	4.14	100.2	127.0	81.0
ZR144KC	TF5	12.0	42,788	146,000	12,300	38.3	3.48	11.8	190.9	3.25	61.2	245.0	80.0
ZR144KC	TFD	12.0	42,788	146,000	12,300	18.2	3.48	11.8	190.9	3.25	61.2	125.0	80.0
ZR144KF	TFD	12.0	42,788	146,000	12,600	19.2	3.40	11.6	190.9	3.25	61.2	150.0	76.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR160KC	TE5	13.0	46,891	160,000	13,900	43.2	3.37	11.5	209.1	3.37	66.2	300.0	83.0
ZR160KC	TED	13.0	46,891	160,000	13,900	20.8	3.37	11.5	209.1	3.37	64.9	150.0	83.0
ZR160KC	TF7	13.0	46,891	160,000	13,900	24.2	3.37	11.5	209.1	3.25	64.9	138.0	83.0
ZR160KC	TFD	13.0	46,891	160,000	13,900	20.8	3.37	11.5	209.1	3.25	64.9	150.0	83.0
ZR160KC	TW5	13.0	46,891	160,000	13,900	43.2	3.37	11.5	209.1	3.25	66.2	300.0	83.0
ZR160KC	TWD	13.0	46,891	160,000	13,900	20.8	3.37	11.5	209.1	3.25	64.9	150.0	83.0
ZR160KT	TFD	13.0	46,891	160,000	13,900	20.8	3.37	11.5	209.1	3.25	64.9	150.0	83.0
ZR16M3E	TW7	13.0	45,133	154,000	13,500	23.3	3.34	11.4	204.3	4.14	103.0	195.0	83.0
ZR16M3E	TWD	13.0	45,133	154,000	13,500	19.2	3.34	11.4	204.3	4.14	103.0	158.0	83.0
ZR16M3	TW5	13.0	45,133	154,000	13,500	38.3	3.34	11.4	204.3	4.14	103.0	350.0	83.0
ZR16M3	TW7	13.0	45,133	154,000	13,500	23.2	3.34	11.4	204.3	4.14	103.0	195.0	83.0
ZR16M3	TWD	13.0	45,133	154,000	13,500	19.2	3.34	11.4	204.3	4.14	103.0	158.0	83.0
ZR190KC	TE5	15.0	55,684	190,000	16,800	53.2	3.31	11.4	249.1	3.37	66.2	340.0	83.0
ZR190KC	TED	15.0	55,684	190,000	16,800	26.5	3.31	11.4	249.1	3.37	64.9	173.0	83.0
ZR190KC	TFD	15.0	55,684	190,000	16,800	26.5	3.31	11.4	249.1	3.25	66.2	179.0	83.0
ZR190KC	TW5	15.0	55,684	190,000	16,800	53.2	3.31	11.4	249.1	3.25	66.2	340.0	83.0
ZR190KC	TWD	15.0	55,684	190,000	16,800	26.5	3.31	11.4	249.1	3.25	66.2	173.0	83.0
ZR190KT	TFD	15.0	55,684	190,000	16,800	26.5	3.31	11.4	249.1	3.25	66.2	179.0	83.0
ZR19M3	TW5	15.0	55,684	190,000	16,500	48.2	3.37	11.5	245.8	4.14	107.0	425.0	83.0
ZR19M3	TW7	15.0	55,684	190,000	16,500	29.2	3.37	11.5	245.8	4.14	107.0	239.0	83.0
ZR19M3	TWD	15.0	55,684	190,000	16,500	24.1	3.37	11.5	245.8	4.14	107.0	187.0	83.0
ZR21K5E	TF5	1.8	6,154	21,000	1,980	6.2	3.11	10.6	29.0	0.74	21.8	58.0	68.0
ZR21K5E	TFD	1.8	6,154	21,000	1,995	3.1	3.08	10.6	29.0	0.74	21.8	29.0	68.0
ZR21K5	TF5	1.8	6,154	21,000	1,980	6.2	3.11	10.6	29.0	0.74	21.8	58.0	68.0
ZR21K5	TF7	1.8	6,154	21,000	1,995	3.4	3.08	10.6	29.0	0.74	21.8	29.0	68.0
ZR21K5	TFD	1.8	6,154	21,000	1,995	3.1	3.08	10.6	29.0	0.74	21.8	29.0	68.0
ZR22K3	TF5	1.8	6,477	22,100	2,080	6.0	3.11	10.7	30.6	1.12	24.5	45.0	68.0
ZR22K3	TFD	1.8	6,477	22,100	2,090	3.2	3.10	10.6	30.6	1.12	36.3	22.4	68.0
ZR22KT	TFD	1.8	6,477	22,100	2,080	3.2	3.11	10.6	30.6	1.12	24.5	22.4	68.0
ZR24K3	TF5	2.0	7,268	24,800	2,310	7.0	3.15	10.7	34.1	1.12	28.6	55.0	68.0
ZR24K3	TFD	2.0	7,268	24,800	2,310	3.5	3.15	10.7	34.1	1.12	28.6	27.0	68.0
ZR24KT	TFD	2.0	7,268	24,800	2,230	3.5	3.26	11.1	34.1	1.12	24.9	27.0	68.0
ZR250KCE	TE5	20.0	73,268	250,000	21,700	66.6	3.38	11.5	325.1	4.67	138.8	505.0	88.0
ZR250KCE	TE7	20.0	73,268	250,000	21,700	37.0	3.38	11.5	325.1	4.67	139.3	290.0	88.0
ZR250KCE	TED	20.0	73,268	250,000	21,700	30.6	3.38	11.5	325.1	4.67	139.3	225.0	88.0
ZR250KCE	TW5	20.0	73,268	250,000	21,700	66.6	3.38	11.5	325.1	4.67	138.8	505.0	88.0
ZR250KCE	TW7	20.0	73,268	250,000	21,700	37.0	3.38	11.5	325.1	4.67	139.3	290.0	88.0
ZR250KCE	TWD	20.0	73,268	250,000	21,700	30.6	3.38	11.5	325.1	4.67	139.3	225.0	88.0
ZR250KC	TE5	20.0	73,268	250,000	21,700	66.6	3.38	11.5	325.1	4.67	138.8	505.0	88.0
ZR250KC	TE7	20.0	73,268	250,000	21,700	37.0	3.38	11.5	325.1	4.67	139.3	290.0	88.0
ZR250KC	TED	20.0	73,268	250,000	21,700	30.6	3.38	11.5	325.1	4.67	139.3	225.0	88.0
ZR250KC	TW5	20.0	73,268	250,000	21,700	66.6	3.38	11.5	325.1	4.67	138.8	505.0	88.0
ZR250KC	TW7	20.0	73,268	250,000	21,700	37.0	3.38	11.5	325.1	4.67	139.3	290.0	88.0
ZR250KC	TWD	20.0	73,268	250,000	21,700	30.6	3.38	11.5	325.1	4.67	139.3	225.0	88.0
ZR25K5E	TF5	2.0	7,415	25,300	2,320	6.9	3.20	10.9	34.1	0.74	22.2	58.0	68.0
ZR25K5E	TFD	2.0	7,415	25,300	2,320	3.5	3.20	10.9	34.1	0.74	21.8	29.0	68.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR25K5	TF5	2.0	7,415	25,300	2,320	6.9	3.20	10.9	34.1	0.74	22.2	58.0	68.0
ZR25K5	TF7	2.0	7,415	25,300	2,320	4.0	3.20	10.9	34.1	0.74	21.8	29.5	68.0
ZR25K5	TFD	2.0	7,415	25,300	2,320	3.5	3.20	10.9	34.1	0.74	21.8	29.0	68.0
ZR26K3	TF5	2.0	7,766	26,500	2,450	7.0	3.17	10.8	36.1	1.12	26.8	55.0	68.0
ZR26K3	TFD	2.0	7,678	26,200	2,430	3.8	3.16	10.8	36.1	1.12	24.0	27.0	68.0
ZR26KA	TF5	2.0	7,620	26,000	2,380	7.1	3.20	10.9	35.1	0.74	21.6	58.0	68.0
ZR28K3	TF5	2.5	8,470	28,900	2,630	7.9	3.22	11.0	39.3	1.12	24.0	63.0	68.0
ZR28K3	TFD	2.5	8,470	28,900	2,630	4.0	3.22	11.0	39.3	1.12	24.0	31.0	68.0
ZR28K5E	TF5	2.5	8,323	28,400	2,590	8.0	3.21	11.0	38.7	0.74	22.2	73.0	68.0
ZR28K5E	TFD	2.5	8,323	28,400	2,590	4.2	3.21	11.0	38.7	0.74	22.7	38.0	68.0
ZR28K5	TF5	2.5	8,323	28,400	2,590	8.0	3.21	11.0	38.7	0.74	22.2	73.0	68.0
ZR28K5	TF7	2.5	8,323	28,400	2,590	4.4	3.21	11.0	38.7	0.74	22.7	38.0	68.0
ZR28K5	TFD	2.5	8,323	28,400	2,590	4.2	3.21	11.0	38.7	0.74	22.7	38.0	68.0
ZR28KT	TFD	2.5	8,470	28,900	2,630	4.0	3.22	11.0	39.3	1.12	25.4	31.0	68.0
ZR300KCE	TWD	25.0	86,749	296,000	25,300	36.8	3.43	11.7	384.6	6.30	184.2	250.0	90.0
ZR300KC	TE5	25.0	86,749	296,000	25,300	73.5	3.43	11.7	384.6	6.30	184.2	500.0	90.0
ZR300KC	TW5	25.0	86,749	296,000	25,300	73.5	3.43	11.7	384.6	6.30	184.2	500.0	90.0
ZR300KC	TW7	25.0	86,749	296,000	25,300	44.5	3.43	11.7	384.6	6.30	184.2	305.0	90.0
ZR300KC	TWD	25.0	86,749	296,000	25,300	36.8	3.43	11.7	384.6	6.30	184.2	250.0	90.0
ZR30K3	TF5	2.5	9,115	31,100	2,830	8.3	3.22	11.0	42.0	1.24	25.9	63.0	68.0
ZR30K3	TFD	2.5	9,115	31,100	2,830	4.2	3.22	11.0	42.0	1.24	28.1	31.0	68.0
ZR30KS	TFD	2.5	8,968	30,600	2,730	4.1	3.28	11.2	41.0	0.74	21.8	44.4	71.0
ZR30KT	TFD	2.5	9,115	31,100	2,830	4.2	3.22	11.0	42.0	1.24	25.9	31.0	68.0
ZR310KC	TE7	26.0	89,680	306,000	27,100	47.0	3.31	11.3	410.5	6.80	160.1	353.0	90.0
ZR310KC	TED	26.0	89,680	306,000	27,100	38.9	3.31	11.3	410.5	6.80	160.1	272.0	90.0
ZR310KC	TW7	26.0	89,680	306,000	27,100	47.0	3.31	11.3	410.5	6.80	160.1	353.0	90.0
ZR310KC	TWD	26.0	89,680	306,000	27,100	38.8	3.31	11.3	410.5	6.80	160.1	272.0	90.0
ZR32K3	TF5	2.5	9,554	32,600	2,910	8.7	3.28	11.2	43.4	1.24	28.6	77.0	71.0
ZR32K3	TFD	2.5	9,554	32,600	2,910	4.4	3.28	11.2	43.4	1.24	28.6	35.0	71.0
ZR32K5E	TF5	2.5	9,554	32,600	2,910	8.7	3.28	11.2	44.1	0.74	22.2	73.0	68.0
ZR32K5E	TFD	2.5	9,554	32,600	2,910	4.4	3.28	11.2	44.1	0.74	22.2	38.0	68.0
ZR32K5	TF5	2.5	9,554	32,600	2,910	8.7	3.28	11.2	44.1	0.74	22.2	73.0	68.0
ZR32K5	TF7	2.5	9,554	32,600	2,910	5.0	3.28	11.2	44.1	0.74	22.2	38.0	68.0
ZR32K5	TFD	2.5	9,554	32,600	2,910	4.4	3.28	11.2	44.1	0.74	22.2	38.0	68.0
ZR32KA	TF5	2.5	9,554	32,600	2,910	9.0	3.28	11.2	43.9	0.74	22.3	73.0	68.0
ZR32KA	TFD	2.5	9,554	32,600	2,910	4.5	3.28	11.2	43.9	0.74	22.4	38.0	68.0
ZR32KS	TFD	2.5	9,642	32,900	2,940	4.3	3.28	11.2	44.2	0.74	21.8	44.4	71.0
ZR34K3	TF5	3.0	9,964	34,000	2,970	9.1	3.36	11.4	46.2	1.24	25.9	77.0	71.0
ZR34K3	TF7	3.0	9,964	34,000	3,200	5.4	3.11	10.6	46.2	1.24	31.3	39.0	71.0
ZR34K3	TFD	3.0	9,964	34,000	2,970	4.6	3.36	11.4	46.2	1.24	25.9	39.0	71.0
ZR34K5	TF5	3.0	10,199	34,800	3,200	9.5	3.19	10.9	46.2	0.74	21.8	73.0	68.0
ZR34KA	TF5	3.0	9,964	34,000	3,100	9.2	3.21	11.0	46.2	0.74	22.0	73.0	68.0
ZR34KA	TFD	3.0	9,964	34,000	3,100	4.7	3.21	11.0	46.2	0.74	22.2	38.0	68.0
ZR34KH	TFD	3.0	9,847	33,600	2,980	4.7	3.30	11.3	46.2	1.04	36.3	39.0	71.0
ZR34KL	TF5	3.0	9,964	34,000	2,970	9.1	3.36	11.4	46.2	1.24	29.0	77.0	71.0
ZR34KT	TFD	3.0	9,964	34,000	2,970	4.6	3.36	11.5	46.2	1.24	26.8	39.0	71.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR36K3	TF5	3.0	10,814	36,900	3,250	9.7	3.33	11.3	49.5	1.24	30.8	77.0	71.0
ZR36K3	TFD	3.0	10,814	36,900	3,250	4.9	3.33	11.3	49.5	1.24	30.8	39.0	71.0
ZR36KE	TFD	3.0	10,814	36,900	3,250	5.1	3.33	11.4	49.5	1.24	29.9	53.0	71.0
ZR36KH	TFD	3.0	10,638	36,300	3,220	4.9	3.30	11.3	49.5	1.24	13.6	39.0	71.0
ZR36KT	TFD	3.0	10,814	36,900	3,250	4.9	3.33	11.4	49.5	1.24	27.2	39.0	71.0
ZR380KC	TE5	30.0	111,074	379,000	32,700	94.2	3.40	11.6	502.6	6.30	176.9	599.0	92.0
ZR380KC	TE7	30.0	111,074	379,000	32,700	57.0	3.40	11.6	502.6	6.30	176.9	358.0	92.0
ZR380KC	TED	30.0	111,074	379,000	32,700	47.1	3.40	11.6	502.6	6.30	176.9	310.0	92.0
ZR380KC	TW5	30.0	111,074	379,000	32,700	94.2	3.40	11.6	502.6	6.30	176.9	599.0	92.0
ZR380KC	TW7	30.0	111,074	379,000	32,700	57.0	3.40	11.6	502.6	6.30	176.9	358.0	92.0
ZR380KC	TWD	30.0	111,074	379,000	32,700	47.1	3.40	11.6	502.6	6.30	176.9	310.0	92.0
ZR38K5E	TF5	3.0	11,137	38,000	3,400	10.4	3.28	11.2	51.0	1.24	27.2	93.0	73.0
ZR38K5E	TFD	3.0	11,137	38,000	3,400	5.2	3.28	11.2	51.0	1.24	27.2	48.0	73.0
ZR38K5	TF5	3.0	11,137	38,000	3,400	10.4	3.28	11.2	51.0	1.24	27.2	93.0	73.0
ZR38K5	TF7	3.0	11,137	38,000	3,400	5.9	3.28	11.2	51.0	1.24	27.2	46.0	73.0
ZR38K5	TFD	3.0	11,137	38,000	3,400	5.0	3.28	11.2	51.0	1.24	27.2	48.0	73.0
ZR38KA	TF5	3.0	11,137	38,000	3,400	10.2	3.28	11.2	52.3	1.24	27.4	88.0	70.0
ZR38KA	TFD	3.0	11,137	38,000	3,400	5.1	3.28	11.2	52.3	1.24	27.5	44.0	70.0
ZR39KH	TFD	3.5	11,811	40,300	3,470	5.3	3.40	11.6	54.2	1.24	30.4	44.0	71.0
ZR40K3	TF5	3.5	11,899	40,600	3,560	10.7	3.34	11.4	54.2	1.24	26.8	88.0	71.0
ZR40K3	TFD	3.5	11,899	40,600	3,560	5.4	3.34	11.4	54.2	1.24	26.8	44.0	71.0
ZR40KT	TFD	3.5	11,899	40,600	3,560	5.3	3.34	11.4	54.2	1.24	28.1	44.0	71.0
ZR42K3	TF5	3.5	12,543	42,800	3,750	11.1	3.34	11.4	57.2	1.24	32.7	88.0	71.0
ZR42K3	TF7	3.5	12,631	43,100	3,790	7.0	3.33	11.4	57.2	1.24	28.1	54.0	71.0
ZR42K3	TFD	3.5	12,543	42,800	3,750	5.6	3.34	11.4	57.2	1.24	32.7	44.0	71.0
ZR42K5E	TF5	3.5	12,368	42,200	3,750	11.3	3.30	11.3	56.5	1.24	27.7	93.0	73.0
ZR42K5E	TFD	3.5	12,368	42,200	3,750	5.7	3.30	11.3	56.5	1.24	27.2	48.0	73.0
ZR42K5	TF5	3.5	12,368	42,200	3,750	11.3	3.30	11.3	56.5	1.24	27.7	93.0	73.0
ZR42K5	TFD	3.5	12,368	42,200	3,750	5.7	3.30	11.3	56.5	1.24	27.2	48.0	73.0
ZR42KA	TF5	3.5	12,368	42,200	3,750	11.1	3.30	11.3	56.5	1.24	27.6	88.0	70.0
ZR42KA	TFD	3.5	12,368	42,200	3,750	5.7	3.30	11.3	56.5	1.24	27.6	44.0	71.0
ZR42KE	TFD	3.5	12,543	42,800	3,760	5.5	3.34	11.4	57.2	1.24	29.9	53.0	71.0
ZR42KT	TFD	3.5	12,543	42,800	3,750	5.6	3.34	11.4	57.2	1.24	28.1	44.0	71.0
ZR44K5	TF5	3.5	12,895	44,000	3,820	11.2	3.38	11.5	58.3	1.24	28.6	98.0	73.0
ZR44K5	TFD	3.5	12,895	44,000	3,850	5.4	3.35	11.4	58.3	1.24	28.6	41.0	73.0
ZR44KA	TF5	3.5	12,895	44,000	3,820	10.8	3.38	11.5	59.5	1.24	28.9	83.1	70.0
ZR44KA	TFD	3.5	12,895	44,000	3,820	5.5	3.38	11.5	59.5	1.24	28.9	41.0	70.0
ZR45K3	TF5	3.5	13,364	45,600	4,000	12.0	3.34	11.4	61.1	1.36	28.1	91.0	71.0
ZR45K3	TFD	3.5	13,364	45,600	4,000	6.0	3.34	11.4	61.1	1.36	28.1	46.0	71.0
ZR45KCE	TF5	3.5	13,481	46,000	4,000	12.1	3.37	11.5	61.1	1.36	28.1	91.0	71.0
ZR45KCE	TFD	3.5	13,481	46,000	4,000	6.1	3.37	11.5	61.1	1.36	28.1	46.0	71.0
ZR45KC	TF5	3.5	13,481	46,000	4,000	12.1	3.37	11.5	61.1	1.36	28.1	91.0	71.0
ZR45KC	TFD	3.5	13,481	46,000	4,000	6.1	3.37	11.5	61.1	1.36	28.1	46.0	71.0
ZR45KE	TFD	3.5	13,481	46,000	4,000	5.8	3.37	11.5	61.1	1.24	29.9	53.0	71.0
ZR45KT	TFD	3.5	13,481	46,000	4,000	6.1	3.37	11.5	61.1	1.36	28.1	46.0	71.0
ZR46K3	TF5	4.0	13,511	46,100	4,100	11.8	3.30	11.2	62.9	1.95	37.2	120.0	72.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR46K3	TFD	4.0	13,511	46,100	4,100	5.9	3.30	11.2	62.9	1.95	37.2	49.5	72.0
ZR47K3	TF5	4.0	13,921	47,500	4,170	13.1	3.34	11.4	63.3	1.36	28.1	91.0	71.0
ZR47K3	TFD	4.0	13,921	47,500	4,170	6.0	3.34	11.4	63.3	1.36	28.1	50.0	71.0
ZR47KC	TF5	4.0	13,921	47,500	4,130	12.2	3.37	11.5	64.2	1.36	28.1	91.0	71.0
ZR47KC	TF7	4.0	13,921	47,500	4,130	7.4	3.37	11.5	63.4	1.36	28.1	54.0	71.0
ZR47KS	TF5	4.0	13,921	47,500	4,130	12.2	3.37	11.5	63.4	1.36	28.1	91.0	71.0
ZR47KS	TF7	4.0	13,921	47,500	4,130	7.4	3.37	11.5	63.4	1.36	28.1	54.0	71.0
ZR47KS	TFD	4.0	13,921	47,500	4,130	6.1	3.37	11.5	63.4	1.36	28.1	46.0	71.0
ZR47KT	TFD	4.0	13,921	47,500	4,130	6.1	3.37	11.5	64.2	1.36	28.1	46.0	71.0
ZR48K3	TF5	4.0	14,390	49,100	4,320	12.7	3.33	11.4	65.5	1.36	32.7	91.0	71.0
ZR48K3	TFD	4.0	14,331	48,900	4,320	6.5	3.32	11.3	65.5	1.36	28.1	50.0	71.0
ZR48K5E	TF5	4.0	14,126	48,200	4,160	12.0	3.40	11.6	63.4	1.24	31.3	114.0	73.0
ZR48K5E	TFD	4.0	14,126	48,200	4,170	6.3	3.39	11.6	63.4	1.24	29.0	58.0	73.0
ZR48K5	TF5	4.0	14,126	48,200	4,160	12.0	3.40	11.6	63.4	1.24	31.3	114.0	73.0
ZR48K5	TF7	4.0	14,126	48,200	4,170	7.0	3.39	11.6	63.4	1.24	29.0	51.8	73.0
ZR48K5	TFD	4.0	14,126	48,200	4,170	6.3	3.39	11.6	63.4	1.24	29.0	58.0	73.0
ZR48KC	TF5	4.0	14,390	49,100	4,270	12.6	3.37	11.5	65.5	1.36	28.1	91.0	71.0
ZR48KC	TF7	4.0	14,390	49,100	4,270	7.6	3.37	11.5	65.5	1.36	28.1	54.0	71.0
ZR48KC	TFD	4.0	14,390	49,100	4,270	6.3	3.37	11.5	65.5	1.36	28.1	50.0	71.0
ZR48KE	TF7	4.0	14,390	49,100	4,230	7.6	3.40	11.6	65.5	1.36	28.6	61.4	72.0
ZR48KE	TFD	4.0	14,331	48,900	4,260	6.3	3.36	11.5	65.5	1.24	29.9	53.0	71.0
ZR48KT	TFD	4.0	14,331	48,900	4,320	6.5	3.32	11.3	65.5	1.36	28.1	50.0	71.0
ZR49K3	TF5	4.0	14,419	49,200	4,360	12.6	3.31	11.3	67.2	1.95	37.2	120.0	72.0
ZR49K3	TFD	4.0	14,419	49,200	4,360	6.3	3.31	11.3	67.2	1.95	37.2	49.5	76.0
ZR52K3	TF5	4.0	15,240	52,000	4,560	13.4	3.34	11.4	70.1	1.95	0.0	128.0	74.0
ZR52K3	TFD	4.0	15,240	52,000	4,560	6.5	3.34	11.4	70.1	1.95	0.0	49.5	74.0
ZR54K3	TF5	4.5	15,884	54,200	4,700	13.9	3.38	11.5	73.3	1.95	38.6	123.0	74.0
ZR54K3	TFD	4.5	15,972	54,500	4,830	6.9	3.31	11.3	73.3	1.95	37.2	49.5	74.0
ZR54K5E	TF5	4.5	15,679	53,500	4,740	13.6	3.31	11.3	72.1	1.24	30.8	114.0	73.0
ZR54K5E	TFD	4.5	15,679	53,500	4,740	6.8	3.31	11.3	72.1	1.24	30.8	52.0	73.0
ZR54K5	TF5	4.5	15,679	53,500	4,740	13.6	3.31	11.3	72.1	1.24	30.8	114.0	73.0
ZR54K5	TF7	4.5	15,679	53,500	4,730	7.9	3.31	11.3	72.1	1.24	30.8	65.0	73.0
ZR54K5	TFD	4.5	15,679	53,500	4,740	6.8	3.31	11.3	72.1	1.24	30.8	52.0	73.0
ZR54KA	TF5	4.5	15,679	53,500	4,730	13.3	3.31	11.3	71.3	1.24	31.0	110.0	70.0
ZR54KA	TFD	4.5	15,679	53,500	4,730	6.6	3.31	11.3	71.3	1.24	30.9	52.0	70.0
ZR54KC	TF5	4.5	16,119	55,000	4,780	14.8	3.37	11.5	73.3	1.95	36.3	124.0	74.0
ZR54KC	TFD	4.5	16,119	55,000	4,780	7.4	3.37	11.5	73.3	1.95	35.8	59.6	74.0
ZR54KE	TFD	4.5	16,119	55,000	4,780	7.6	3.37	11.5	73.1	1.36	29.9	74.8	72.0
ZR54KS	TF5	4.5	15,972	54,500	4,670	14.3	3.42	11.6	73.1	1.24	29.9	125.0	72.0
ZR54KS	TF7	4.5	15,972	54,500	4,700	8.3	3.40	11.6	73.1	1.24	29.9	65.0	72.0
ZR54KS	TFD	4.5	15,972	54,500	4,670	7.2	3.42	11.6	73.1	1.24	29.9	59.0	72.0
ZR54KT	TFD	4.5	16,119	55,000	4,780	14.8	3.37	11.5	73.3	1.95	35.8	59.6	74.0
ZR57K3E	TF5	5.0	17,145	58,500	4,980	14.5	3.44	11.7	77.2	1.95	38.6	123.0	74.0
ZR57K3E	TFD	5.0	17,145	58,500	5,000	7.3	3.43	11.7	77.2	1.95	38.6	62.0	74.0
ZR57K3	TF5	5.0	17,145	58,500	4,980	14.5	3.44	11.7	77.2	1.95	38.6	123.0	74.0
ZR57K3	TFD	5.0	17,145	58,500	5,000	7.3	3.43	11.7	77.2	1.95	38.6	62.0	74.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR57KC	TF5	5.0	16,852	57,500	5,000	15.4	3.37	11.5	77.2	1.95	36.3	124.0	74.0
ZR57KC	TF7	5.0	16,852	57,500	5,000	9.3	3.37	11.5	77.2	1.95	35.8	75.0	74.0
ZR57KC	TFD	5.0	16,852	57,500	5,000	7.7	3.37	11.5	77.2	1.95	36.3	59.6	74.0
ZR57KE	TF5	5.0	16,852	57,500	4,960	15.3	3.40	11.6	77.2	1.36	28.6	137.0	72.0
ZR57KE	TF7	5.0	16,265	55,500	4,790	8.5	3.40	11.6	77.2	1.36	28.6	68.0	72.0
ZR57KE	TFD	5.0	17,115	58,400	5,040	8.0	3.40	11.6	77.2	1.36	28.6	74.8	72.0
ZR57KH	TFD	5.0	17,027	58,100	5,050	7.5	3.37	11.5	77.2	1.95	38.6	62.0	74.0
ZR57KS	TF5	5.0	17,145	58,500	5,050	15.0	3.39	11.6	77.2	1.24	29.9	125.0	72.0
ZR57KS	TF7	5.0	17,145	58,500	5,100	8.9	3.36	11.5	77.2	1.24	29.9	65.0	72.0
ZR57KS	TFD	5.0	17,145	58,500	5,050	7.5	3.39	11.6	77.2	1.24	29.9	59.0	72.0
ZR57KT	TFD	5.0	16,852	57,500	5,000	7.7	3.37	11.5	77.2	1.95	36.3	59.6	74.0
ZR61K3E	TF5	5.0	18,170	62,000	5,350	16.5	3.40	11.6	82.6	1.95	38.1	137.0	74.0
ZR61K3E	TFD	5.0	18,170	62,000	5,350	7.8	3.40	11.6	82.6	1.95	38.1	62.0	74.0
ZR61K3	TF5	5.0	18,170	62,000	5,340	16.5	3.40	11.6	82.6	1.95	38.1	137.0	74.0
ZR61K3	TFD	5.0	18,170	62,000	5,350	7.8	3.40	11.6	82.6	1.95	38.1	62.0	74.0
ZR61KC	TF5	5.0	18,170	62,000	5,400	16.7	3.36	11.5	82.6	1.95	35.4	128.0	74.0
ZR61KC	TF7	5.0	18,170	62,000	5,400	9.3	3.36	11.5	82.6	1.95	36.3	64.0	74.0
ZR61KC	TFD	5.0	18,170	62,000	5,400	8.4	3.36	11.5	82.6	1.95	35.8	63.0	74.0
ZR61KE	TF7	5.0	18,229	62,200	5,420	9.5	3.36	11.5	82.6	1.36	29.9	68.0	72.0
ZR61KE	TFD	5.0	18,317	62,500	5,390	8.4	3.40	11.6	82.6	1.36	29.9	74.8	69.0
ZR61KH	TFD	5.0	18,112	61,800	5,430	8.1	3.34	11.4	82.6	1.77	27.2	68.0	75.0
ZR61KS	TF5	5.0	18,170	62,000	5,350	15.8	3.40	11.6	82.6	1.24	29.9	125.0	72.0
ZR61KS	TF7	5.0	18,170	62,000	5,350	9.2	3.40	11.6	82.6	1.24	29.9	65.0	72.0
ZR61KS	TFD	5.0	18,170	62,000	5,350	7.9	3.40	11.6	82.6	1.24	29.9	56.0	72.0
ZR61KT	TFD	5.0	18,170	62,000	5,400	8.4	3.36	11.5	82.6	1.95	35.8	63.0	74.0
ZR68KCE	TF5	6.0	20,515	70,000	5,950	17.5	3.45	11.8	93.1	1.77	39.0	156.0	75.0
ZR68KCE	TFD	6.0	20,515	70,000	5,950	8.7	3.45	11.8	93.1	1.77	39.0	75.0	75.0
ZR68KC	TF5	6.0	20,515	70,000	5,950	17.5	3.45	11.8	93.1	1.77	39.0	156.0	75.0
ZR68KC	TFD	6.0	20,515	70,000	5,950	8.8	3.45	11.8	93.1	1.77	39.0	75.0	75.0
ZR68KT	TFD	6.0	20,515	70,000	5,950	8.7	3.45	11.8	93.1	1.77	39.0	75.0	75.0
ZR72KCE	TF5	6.0	21,541	73,500	6,250	18.1	3.45	11.7	98.0	1.77	38.6	156.0	75.0
ZR72KCE	TF7	6.0	21,541	73,500	6,250	10.5	3.45	11.7	98.0	1.77	38.6	70.0	75.0
ZR72KCE	TFD	6.0	21,541	73,500	6,250	9.1	3.45	11.7	98.0	1.77	38.6	75.0	75.0
ZR72KC	TF5	6.0	21,541	73,500	6,250	18.2	3.45	11.7	98.0	1.77	38.6	156.0	75.0
ZR72KC	TF7	6.0	21,541	73,500	6,250	10.5	3.45	11.7	98.0	1.77	38.6	70.0	75.0
ZR72KC	TFD	6.0	21,541	73,500	6,250	9.1	3.45	11.7	98.0	1.77	38.6	75.0	75.0
ZR72KS	TF5	6.0	21,541	73,500	6,250	18.2	3.45	11.7	98.0	1.77	38.6	156.0	75.0
ZR72KS	TF7	6.0	21,541	73,500	6,250	10.5	3.45	11.7	98.0	1.77	38.6	70.0	75.0
ZR72KS	TFD	6.0	21,541	73,500	6,250	9.1	3.45	11.7	98.0	1.77	38.6	75.0	75.0
ZR72KT	TFD	6.0	21,541	73,500	6,260	9.1	3.44	11.8	98.0	1.77	38.6	75.0	75.0
ZR81KCE	TF5	7.0	24,032	82,000	6,950	20.8	3.46	11.8	107.8	1.77	39.0	164.0	75.0
ZR81KCE	TFD	7.0	24,032	82,000	6,950	11.0	3.46	11.8	107.8	1.77	39.0	100.0	75.0
ZR81KC	TF5	7.0	24,032	82,000	6,950	20.8	3.46	11.8	107.8	1.77	39.0	164.0	75.0
ZR81KC	TF7	7.0	24,032	82,000	6,950	11.8	3.46	11.8	107.8	1.77	39.0	100.0	75.0
ZR81KC	TFD	7.0	24,032	82,000	6,950	11.0	3.46	11.8	107.8	1.77	39.0	100.0	75.0
ZR81KTE	TF5	7.0	24,032	82,000	6,950	20.9	3.46	11.8	107.8	1.77	39.0	164.0	75.0

R407C 200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR81KT	TFD	7.0	24,032	82,000	6,950	11.0	3.46	11.8	107.8	1.77	39.0	100.0	75.0
ZR84KC	TF5	7.0	25,058	85,500	7,300	22.8	3.43	11.8	113.6	2.51	57.2	196.0	78.0
ZR84KC	TF7	7.0	25,058	85,500	7,300	13.8	3.43	11.8	113.6	2.51	57.2	135.0	78.0
ZR84KC	TFD	7.0	25,058	85,500	7,300	11.4	3.43	11.8	113.6	2.51	57.2	100.0	78.0
ZR90K3E	TW7	7.5	26,083	89,000	8,000	15.1	3.26	11.1	120.0	4.14	93.9	112.0	83.0
ZR90K3E	TWD	7.5	26,083	89,000	8,000	12.5	3.26	11.1	120.0	4.14	93.9	99.0	83.0
ZR90K3	TW7	7.5	26,083	89,000	8,000	15.1	3.26	11.1	120.0	4.14	93.9	112.0	83.0
ZR90K3	TWD	7.5	26,083	89,000	8,000	12.5	3.26	11.1	120.0	4.14	93.9	99.0	83.0
ZR94KC	TF5	8.0	28,281	96,500	8,200	24.9	3.45	11.8	127.2	2.51	56.7	195.0	78.0
ZR94KC	TFD	8.0	28,281	96,500	8,200	12.8	3.45	11.8	127.2	2.51	57.2	95.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

R407C 380V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
VR108KFE	TFP	9.0	25,497	87,000	7,700	14.1	3.31	11.3	142.9	3.25	59.9	112.0	74.0
VR108KSE	TFP	9.0	25,497	87,000	7,500	13.7	3.40	11.6	142.9	3.25	59.9	100.0	74.0
VR125KFE	TFP	10.0	30,186	103,000	9,050	16.8	3.34	11.4	142.9	3.25	59.9	153.0	74.0
VR125KSE	TFP	10.0	29,893	102,000	8,950	16.1	3.34	11.4	167.1	3.25	61.2	110.0	74.0
VR144KFE	TFP	12.0	33,703	115,000	10,300	18.6	3.27	11.2	167.1	3.25	61.2	153.0	75.0
VR144KSE	TFP	12.0	33,996	116,000	10,200	18.0	3.33	11.3	190.9	3.25	61.2	110.0	75.0
VR160KSE	TFP	13.0	37,513	128,000	11,450	20.5	3.28	11.2	190.9	3.25	61.2	133.0	78.0
VR190KSE	TFP	15.0	43,961	150,000	13,650	26.5	3.22	11.0	209.1	3.25	64.9	168.0	82.0
VR84KSE	TFP	7.0	19,929	68,000	6,100	11.4	3.27	11.2	82.6	1.36	0.9	90.0	79.0
VR94KSE	TFP	8.0	22,273	76,000	6,900	12.8	3.23	11.0	113.6	2.51	57.2	86.0	74.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

R134A 208-230V; 60 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZR16K4E	PFV	1.3	3,194	10,900	1,070	4.7	2.99	10.2	22.8	0.74	19.8	41.0	68.0
ZR18K4E	PFV	1.5	3,458	11,800	1,210	5.3	2.86	9.8	24.9	0.74	19.5	45.0	68.0
ZR40K3E	PFV	3.5	7,942	27,100	2,550	12.2	3.11	10.6	54.2	1.24	29.5	104.0	71.0
ZR61KCE	PFV	5.0	12,221	41,700	3,590	20.4	3.40	11.6	82.6	1.66	39.5	144.0	74.0
ZR68KCE	PFV	5.5	13,745	46,900	4,420	22.2	3.11	10.6	93.1	1.77	40.4	176.0	75.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZR108KCE TFD	9.0	17,555	59,900	5,260	11.6	3.34	11.4	142.9	3.25	59.9	111.0	74.0
ZR11M3E TWD	9.0	17,877	61,000	5,600	11.5	3.19	10.8	144.0	4.14	96.2	123.0	78.0
ZR125KCE TFD	10.0	20,515	70,000	6,150	12.2	3.34	11.4	167.1	3.25	61.2	118.0	74.0
ZR12M3E TWD	10.0	20,662	70,500	6,450	13.2	3.20	10.9	165.5	4.14	100.2	127.0	78.0
ZR144KCE TFD	12.0	23,299	79,500	6,950	13.6	3.35	11.5	190.9	3.25	61.2	118.0	75.0
ZR160KCE TED	13.0	25,497	87,000	7,600	15.7	3.35	11.5	209.1	3.37	64.9	140.0	78.0
ZR160KCE TFD	13.0	25,497	87,000	7,600	15.7	3.35	11.5	209.1	3.25	64.9	140.0	78.0
ZR160KCE TWD	13.0	25,497	87,000	7,600	15.7	3.35	11.5	209.1	3.25	64.9	140.0	78.0
ZR160KTE TFD	13.0	25,497	87,000	7,600	15.7	3.35	11.5	209.1	3.25	64.9	140.0	78.0
ZR16M3E TWD	13.0	25,351	86,500	7,900	16.1	3.21	10.9	204.3	4.14	103.0	167.0	80.0
ZR190KCE TED	15.0	30,479	104,000	9,200	20.6	3.31	11.3	249.1	3.37	64.9	173.0	82.0
ZR190KCE TFD	15.0	30,479	104,000	9,200	20.6	3.31	11.3	249.1	3.25	66.2	174.0	82.0
ZR190KCE TWD	15.0	30,479	104,000	9,200	20.6	3.31	11.3	249.1	3.25	66.2	173.0	82.0
ZR190KTE TFD	15.0	30,479	104,000	9,200	20.6	3.31	11.3	249.1	3.25	66.2	174.0	82.0
ZR19M3E TWD	15.0	30,186	103,000	10,000	17.9	3.02	10.3	245.8	4.14	107.0	198.0	80.0
ZR22K3E TFD	1.8	3,605	12,300	1,230	2.4	2.93	10.0	30.6	1.12	24.5	24.0	65.0
ZR250KCE TED	20.0	40,151	137,000	12,200	22.6	3.29	11.2	325.1	4.67	139.3	225.0	83.0
ZR250KCE TWD	20.0	40,151	137,000	12,200	22.6	3.29	11.2	325.1	4.67	139.3	225.0	83.0
ZR28K3E TFD	2.5	4,748	16,200	1,570	3.2	3.02	10.3	39.3	1.12	25.4	32.0	65.0
ZR28KTE TFD	2.5	4,748	16,200	1,565	3.2	3.03	10.3	39.3	1.12	25.4	32.0	65.0
ZR300KCE TED	25.0	46,891	160,000	13,900	26.3	3.37	11.5	384.6	6.30	184.2	250.0	86.0
ZR300KCE TWD	25.0	46,891	160,000	13,900	26.3	3.37	11.5	384.6	6.30	184.2	250.0	86.0
ZR310KCE TED	26.0	49,822	170,000	15,300	28.3	3.26	11.1	410.5	6.80	160.1	272.0	85.0
ZR310KCE TWD	26.0	49,822	170,000	15,300	28.3	3.26	11.1	410.5	6.80	160.1	272.0	85.0
ZR34K3E TFD	3.0	5,539	18,900	1,830	3.7	3.03	10.3	46.2	1.24	26.8	40.0	68.0
ZR36K3E TFD	3.0	5,422	18,500	1,992	(blank)	2.72	9.3	49.5	1.24	27.2	40.0	71.0
		5,949	20,300	1,980	3.9	3.00	10.2	49.5	1.24	27.2	40.0	71.0
ZR380KCE TED	30.0	63,010	215,000	18,800	35.6	3.35	11.4	502.6	6.30	176.9	310.0	88.0
ZR380KCE TWD	30.0	63,010	215,000	18,800	35.6	3.35	11.4	502.6	6.30	176.9	310.0	88.0
ZR40K3E TFD	3.5	6,477	22,100	2,090	4.1	3.10	10.6	54.2	1.24	28.1	46.0	68.0
ZR48K3E TFD	4.0	7,737	26,400	2,530	4.9	3.06	10.4	65.5	1.36	28.1	50.0	68.0
ZR48KCE TFD	4.0	7,884	26,900	2,420	4.8	3.26	11.1	65.5	1.36	28.1	50.0	71.0
ZR48KTE TFD	4.0	7,737	26,400	2,530	4.9	3.06	10.4	65.5	1.36	28.1	50.0	68.0
ZR49KCE TFD	4.0	8,118	27,700	2,490	4.7	3.26	11.1	67.2	1.95	35.4	49.3	69.0
ZR61KCE TFD	5.0	10,052	34,300	2,990	6.3	3.36	11.5	82.6	1.95	35.8	65.5	71.0
ZR68KCE TFD	5.5	11,400	38,900	3,310	6.4	3.44	11.8	93.1	1.77	39.0	74.0	72.0
ZR68KTE TFD	6.0	11,400	38,900	3,310	6.4	3.44	11.8	93.1	1.77	39.0	74.0	72.0
ZR72KCE TFD	6.0	11,840	40,400	3,590	6.8	3.30	11.3	98.0	1.77	38.6	74.0	72.0
ZR72KTE TFD	6.0	11,840	40,400	3,580	6.8	3.31	11.3	98.0	1.77	38.6	74.0	72.0
ZR81KCE TFD	7.0	13,305	45,400	4,010	8.6	3.32	11.3	107.8	1.77	39.0	101.0	72.0
ZR81KTE TFD	7.0	13,305	45,400	4,010	8.6	3.32	11.3	107.8	1.77	39.0	101.0	72.0
ZR84KCE TFD	7.0	13,364	45,600	4,200	10.0	3.18	10.9	113.6	2.51	57.2	100.0	79.0
ZR90K3E TWD	7.5	14,507	49,500	4,620	10.1	3.14	10.7	120.0	4.14	93.9	99.0	80.0
ZR94KCE TFD	8.0	15,679	53,500	4,710	10.4	3.33	11.4	127.2	2.51	57.2	95.0	74.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZR108KCE TF5	9.0	21,130	72,100	6,440	22.9	3.28	11.2	142.9	3.25	59.9	225.0	80.0
ZR108KCE TFD	9.0	21,130	72,100	6,440	11.5	3.28	11.2	142.9	3.25	59.9	114.0	80.0
ZR11M3E TWD	9.0	21,570	73,600	6,790	11.5	3.18	10.9	144.0	4.14	96.2	125.0	81.0
ZR125KCE TF5	10.0	24,911	85,000	7,570	24.8	3.29	11.3	167.1	3.25	61.2	239.0	80.0
ZR125KCE TFD	10.0	24,911	85,000	7,570	12.4	3.29	11.3	167.1	3.25	61.2	125.0	80.0
ZR12M3E TWD	10.0	24,911	85,000	7,800	13.2	3.19	10.9	165.5	4.14	100.2	127.0	81.0
ZR144KCE TF5	12.0	28,399	96,900	8,480	30.0	3.35	11.4	190.9	3.25	61.2	245.0	80.0
ZR144KCE TFD	12.0	28,252	96,400	8,500	13.7	3.32	11.4	190.9	3.25	61.2	125.0	80.0
ZR160KCE TE5	13.0	30,772	105,000	9,500	32.6	3.24	11.1	209.1	3.37	66.2	300.0	82.0
ZR160KCE TED	13.0	30,772	105,000	9,500	16.3	3.24	11.1	209.1	3.37	64.9	150.0	82.0
ZR160KCE TFD	13.0	30,772	105,000	9,500	16.3	3.24	11.1	209.1	3.25	64.9	150.0	82.0
ZR160KCE TW5	13.0	30,772	105,000	9,500	32.6	3.24	11.1	209.1	3.25	66.2	300.0	82.0
ZR160KCE TWD	13.0	30,772	105,000	9,500	16.3	3.24	11.1	209.1	3.25	64.9	150.0	82.0
ZR160KTE TFD	13.0	30,772	105,000	9,500	16.3	3.24	11.1	209.1	3.25	64.9	150.0	82.0
ZR16M3E TW7	13.0	30,772	105,000	9,600	19.5	3.21	10.9	204.3	4.14	103.0	195.0	83.0
ZR16M3E TWD	13.0	30,772	105,000	9,600	16.1	3.21	10.9	204.3	4.14	103.0	158.0	83.0
ZR190KCE TE5	15.0	37,220	127,000	11,300	42.8	3.29	11.2	249.1	3.37	66.2	340.0	83.0
ZR190KCE TED	15.0	37,220	127,000	11,300	21.4	3.29	11.2	249.1	3.37	64.9	173.0	83.0
ZR190KCE TFD	15.0	37,220	127,000	11,300	21.4	3.29	11.2	249.1	3.25	66.2	179.0	83.0
ZR190KCE TW5	15.0	37,220	127,000	11,300	42.8	3.29	11.2	249.1	3.25	66.2	340.0	83.0
ZR190KCE TWD	15.0	37,220	127,000	11,300	21.4	3.29	11.2	249.1	3.25	66.2	173.0	83.0
ZR190KTE TFD	15.0	37,220	127,000	11,300	21.4	3.29	11.2	249.1	3.25	66.2	179.0	83.0
ZR19M3E TW7	15.0	36,927	126,000	12,200	21.6	3.03	10.3	245.8	4.14	107.0	239.0	83.0
ZR19M3E TWD	15.0	36,927	126,000	12,200	17.9	3.03	10.3	245.8	4.14	107.0	187.0	83.0
ZR22K3E TFD	1.8	4,337	14,800	1,480	2.9	2.93	10.0	30.6	1.12	24.5	22.4	68.0
ZR250KCE TE5	20.0	48,650	166,000	15,100	49.5	3.22	11.0	325.1	4.67	138.8	505.0	88.0
ZR250KCE TE7	20.0	48,650	166,000	15,100	27.5	3.22	11.0	325.1	4.67	139.3	290.0	88.0
ZR250KCE TED	20.0	48,650	166,000	15,100	22.7	3.22	11.0	325.1	4.67	139.3	225.0	88.0
ZR250KCE TW5	20.0	48,650	166,000	15,100	49.5	3.22	11.0	325.1	4.67	138.8	505.0	88.0
ZR250KCE TW7	20.0	48,650	166,000	15,100	27.5	3.22	11.0	325.1	4.67	139.3	290.0	88.0
ZR250KCE TWD	20.0	48,650	166,000	15,100	22.7	3.22	11.0	325.1	4.67	139.3	225.0	88.0
ZR28K3E TF5	2.5	5,803	19,800	1,910	6.6	3.04	10.3	39.3	1.12	25.4	63.0	68.0
ZR28K3E TFD	2.5	5,803	19,800	1,910	3.3	3.04	10.3	39.3	1.12	25.4	31.0	68.0
ZR28KTE TFD	2.5	5,788	19,750	1,910	3.3	3.03	10.4	39.3	1.12	25.4	31.0	68.0
ZR300KCE TE5	25.0	56,856	194,000	17,500	54.3	3.25	11.1	384.6	6.30	184.2	500.0	90.0
ZR300KCE TE7	25.0	56,856	194,000	17,500	32.9	3.25	11.1	384.6	6.30	184.2	305.0	90.0
ZR300KCE TED	25.0	56,856	194,000	17,500	27.2	3.25	11.1	384.6	6.30	184.2	250.0	90.0
ZR300KCE TW5	25.0	56,856	194,000	17,500	54.3	3.25	11.1	384.6	6.30	184.2	500.0	90.0
ZR300KCE TW7	25.0	56,856	194,000	17,500	32.9	3.25	11.1	384.6	6.30	184.2	305.0	90.0
ZR300KCE TWD	25.0	56,856	194,000	17,500	27.2	3.25	11.1	384.6	6.30	184.2	250.0	90.0
ZR310KCE TE5	26.0	60,080	205,000	18,800	56.6	3.20	10.9	410.5	6.80	160.1	605.0	N/A
ZR310KCE TE7	26.0	60,080	205,000	18,800	34.3	3.20	10.9	410.5	6.80	160.1	353.0	90.0
ZR310KCE TED	26.0	60,080	205,000	18,800	28.3	3.20	10.9	410.5	6.80	160.1	272.0	90.0
ZR310KCE TW7	26.0	60,080	205,000	18,800	34.3	3.20	10.9	410.5	6.80	160.1	353.0	90.0
ZR310KCE TWD	26.0	60,080	205,000	18,800	28.3	3.20	10.9	410.5	6.80	160.1	272.0	90.0
ZR34K3E TFD	3.0	6,829	23,300	2,250	3.9	3.03	10.4	46.2	1.24	26.8	39.0	71.0

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZR36K3E TFD	3.0	7,151	24,400	2,390	3.8	2.99	10.2	49.5	1.24	27.2	39.0	71.0
ZR380KCE TE5	30.0	74,147	253,000	22,400	69.4	3.31	11.3	502.6	6.30	176.9	599.0	92.0
ZR380KCE TE7	30.0	74,147	253,000	22,400	42.0	3.31	11.3	502.6	6.30	176.9	358.0	92.0
ZR380KCE TED	30.0	74,147	253,000	22,400	34.7	3.31	11.3	502.6	6.30	176.9	310.0	92.0
ZR380KCE TW5	30.0	74,147	253,000	22,400	69.4	3.31	11.3	502.6	6.30	176.9	599.0	92.0
ZR380KCE TW7	30.0	74,147	253,000	22,400	42.0	3.31	11.3	502.6	6.30	176.9	358.0	92.0
ZR380KCE TWD	30.0	74,147	253,000	22,400	34.7	3.31	11.3	502.6	6.30	176.9	310.0	92.0
ZR40K3E TFD	3.5	7,884	26,900	2,580	4.1	3.06	10.4	54.2	1.24	28.1	44.0	71.0
ZR48K3E TF5	4.0	9,642	32,900	2,990	9.8	3.22	11.0	65.5	1.36	32.7	91.0	71.0
ZR48K3E TFD	4.0	9,525	32,500	3,090	5.0	3.08	10.5	65.5	1.36	28.1	50.0	71.0
ZR48KCE TFD	4.0	9,613	32,800	2,970	5.0	3.24	11.0	65.5	1.36	28.1	50.0	71.0
ZR48KTE TF5	4.0	9,525	32,500	3,090	10.2	3.08	10.5	65.5	1.36	28.1	91.0	71.0
ZR48KTE TFD	4.0	9,525	32,500	3,090	5.0	3.08	10.5	65.5	1.36	28.1	50.0	71.0
ZR49KCE TFD	4.0	9,964	34,000	3,070	5.1	3.25	11.1	67.2	1.95	35.4	47.5	72.0
ZR61KCE TF5	5.0	12,162	41,500	3,710	13.1	3.28	11.2	82.6	1.95	35.4	128.0	74.0
ZR61KCE TFD	5.0	12,368	42,200	3,550	6.4	3.48	11.9	82.6	1.95	35.8	63.0	74.0
ZR68KCE TFD	5.5	13,833	47,200	4,030	6.5	3.43	11.7	93.1	1.77	39.0	75.0	75.0
ZR68KTE TFD	6.0	13,833	47,200	4,030	6.6	3.43	11.7	93.1	1.77	39.0	75.0	75.0
ZR72KCE TF5	6.0	14,478	49,400	4,300	13.8	3.37	11.5	98.0	1.77	38.6	156.0	75.0
ZR72KCE TF7	6.0	14,360	49,000	4,420	8.4	3.25	11.1	98.0	1.77	38.6	70.0	75.0
ZR72KCE TFD	6.0	14,360	49,000	4,420	7.0	3.25	11.1	98.0	1.77	38.6	75.0	75.0
ZR72KTE TFD	6.0	14,360	49,000	4,420	7.0	3.25	11.1	98.0	1.77	38.6	75.0	75.0
ZR81KCE TF5	7.0	15,972	54,500	4,760	16.0	3.36	11.5	107.8	1.77	39.0	164.0	75.0
ZR81KCE TFD	7.0	16,119	55,000	4,950	8.9	3.26	11.1	107.8	1.77	39.0	100.0	75.0
ZR81KTE TF5	7.0	15,972	54,500	4,760	15.9	3.36	11.5	107.8	1.77	39.0	164.0	75.0
ZR81KTE TFD	7.0	16,119	55,000	4,940	8.9	3.26	11.1	107.8	1.77	39.0	100.0	75.0
ZR84KCE TF5	7.0	16,236	55,400	5,150	19.5	3.15	10.8	113.6	2.51	57.2	196.0	82.0
ZR84KCE TF7	7.0	16,236	55,400	5,150	11.8	3.15	10.8	113.6	2.51	57.2	135.0	82.0
ZR84KCE TFD	7.0	16,236	55,400	5,150	9.8	3.15	10.8	113.6	2.51	57.2	100.0	82.0
ZR90K3E TW7	7.5	17,584	60,000	5,600	12.2	3.14	10.7	120.0	4.14	93.9	112.0	83.0
ZR90K3E TWD	7.5	17,584	60,000	5,600	10.1	3.14	10.7	120.0	4.14	93.9	99.0	83.0
ZR94KCE TF5	8.0	18,757	64,000	5,700	22.8	3.29	11.2	127.2	2.51	56.7	195.0	79.0
ZR94KCE TFD	8.0	18,757	64,000	5,700	11.4	3.29	11.2	127.2	2.51	57.2	95.0	79.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

Copeland scroll compressors

R410A refrigerant series

Copeland scroll compressors are perfectly suited for split systems, rooftops, packaged units and chiller applications.

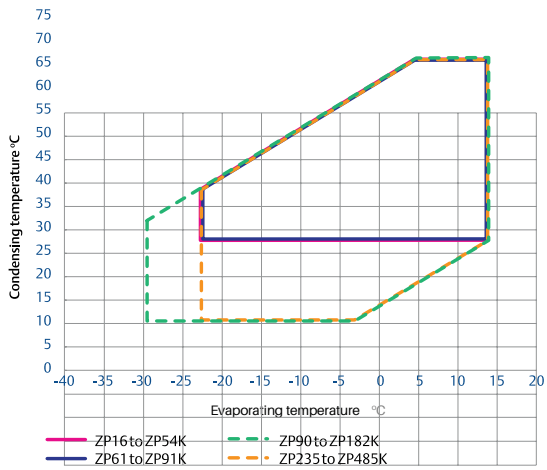
Scroll compressors offer an advantage of fewer moving parts with scroll sets wearing in. Meanwhile, both axial and radial compliance allows the scroll compressor to be more tolerant of liquid refrigerant and debris thus enhancing reliability. Furthermore, Copeland's well established expertise in parallel multiple compressors to one efficient solution provides a unique advantage and an assured benefit even for the manufacture of large capacity systems (air and water cooled chillers).

The broad range of products goes from 3kW (ZP14) to 180kW (ZP725) in single, tandem and triple compressors applications. The technology expands the capacity of systems to 430kW and 650kW.

Features and benefits

- Tandem and trio configurations, with excellentseasonal energy efficiency
- Copeland scroll radial and axial compliance guarantees excellent compressor reliability and efficiency
- Low life cycle climate performance
- Wide scroll line-up for R410A refrigerants
- Low sound and vibration levels
- Low oil circulation rate
- Extended 5K suction superheat operatingenvelope is suitable for heat pump applications. Please contact your local Copeland applications engineer for more information.

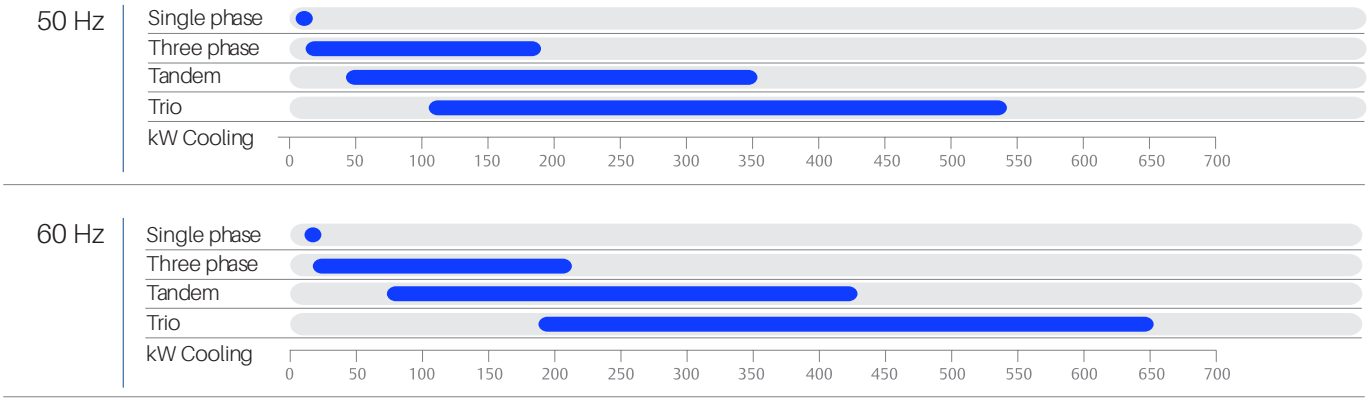
Operating envelopes



Remarks: Please refer to the application guide for the actual operating envelope.

Product lineup

R22/R407C



Technical data

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZP16K5E	PFJ	1.3	3,605	12,300	1,400	6.6	2.57	8.8	15.1	0.74	22.2	44.0	66.0
ZP16KSE	PFZ	1.3	3,605	12,300	1,400	6.6	2.57	8.8	15.1	0.74	21.3	44.0	66.0
ZP20K5E	PFJ	1.6	4,777	16,300	1,750	8.1	2.73	9.3	19.3	0.74	21.8	52.0	66.0
ZP20KSE	PFZ	1.6	4,777	16,300	1,750	8.1	2.73	9.3	19.3	0.74	21.3	52.0	66.0
ZP21K5E	PFJ	1.8	4,982	17,000	1,850	8.5	2.69	9.2	20.3	0.74	21.8	52.0	66.0
ZP22KME	PFZ	1.8	5,393	18,400	1,800	8.4	3.00	10.2	20.6	0.77	20.0	53.0	66.0
ZP23K3E	PFJ	1.9	5,568	19,000	2,110	9.9	2.64	9.0	23.3	1.12	28.6	58.0	65.0
ZP23K3E	PFZ	1.9	5,686	19,400	2,050	9.5	2.77	9.5	23.3	1.12	28.6	61.0	65.0
ZP24K5E	PFJ	2.0	5,715	19,500	2,000	9.2	2.86	9.7	22.8	0.74	22.2	60.0	66.0
ZP24KSE	PFZ	2.0	5,744	19,600	2,000	9.3	2.87	9.8	22.8	0.74	21.8	60.0	66.0
ZP25K5E	PFJ	2.0	5,979	20,400	2,100	9.7	2.85	9.7	23.9	0.74	22.2	60.0	66.0
ZP25KME	PFZ	2.0	6,008	20,500	2,010	9.5	2.99	10.2	23.3	0.77	20.0	60.0	66.0
ZP25KSE	PFZ	2.0	5,949	20,300	2,110	9.8	2.82	9.6	23.9	0.74	21.8	60.0	66.0
ZP26K3E	PFJ	2.0	6,067	20,700	2,300	11.0	2.64	9.0	25.2	1.12	28.6	61.0	65.0

220-240V; 50 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZP26K3E	PFZ	2.0	6,067	20,700	2,300	11.0	2.64	9.0	25.2	1.12	28.6	74.0	65.0
ZP27KME	PFZ	2.0	6,565	22,400	2,180	10.3	3.01	10.3	25.7	0.77	20.0	60.0	66.0
ZP28K5E	PFJ	2.5	6,594	22,500	2,320	10.7	2.84	9.7	26.7	0.74	22.2	67.0	66.0
ZP28KME	PFZ	2.5	6,858	23,400	2,320	10.7	2.96	10.1	26.7	0.77	20.0	60.0	63.0
ZP29K5E	PFJ	2.5	6,858	23,400	2,380	11.0	2.88	9.8	27.5	0.74	22.2	67.0	66.0
ZP29KSE	PFZ	2.5	6,887	23,500	2,400	11.0	2.87	9.8	27.5	0.74	22.7	67.0	66.0
ZP31K5E	PFJ	2.5	7,327	25,000	2,630	11.9	2.79	9.5	29.5	0.74	22.2	67.0	66.0
ZP31KHE	PFZ	2.5	7,473	25,500	2,550	11.9	2.93	10.0	0.0	0.86	22.2	67.0	66.0
ZP31KSE	PFZ	2.5	7,356	25,100	2,550	11.8	2.88	9.9	29.5	0.74	22.7	67.0	66.0
ZP32K3E	PFJ	2.5	7,532	25,700	2,860	13.2	2.63	9.0	30.6	1.24	31.3	82.0	67.0
ZP32K3E	PFZ	2.5	7,591	25,900	2,790	12.8	2.72	9.3	30.6	1.24	31.3	82.0	67.0
ZP34KUE	PFZ	3.0	8,059	27,500	2,640	13.0	3.05	10.4	31.5	1.24	30.4	102.0	68.0
ZP36K3E	PFJ	3.0	8,411	28,700	3,280	15.9	2.56	8.7	34.9	1.24	31.8	97.0	67.0
ZP36K3E	PFZ	3.0	8,851	30,200	3,050	14.7	2.90	9.9	34.9	1.24	29.9	97.0	67.0
ZP36K5E	PFJ	3.0	8,528	29,100	3,100	14.7	2.75	9.4	34.4	1.24	32.2	87.0	68.0
ZP36KHE	PFZ	3.0	8,792	30,000	2,940	14.1	2.99	10.2	34.4	1.24	32.2	98.0	68.0
ZP36KSE	PFZ	3.0	8,792	30,000	2,940	14.1	2.99	10.2	34.4	1.24	29.0	98.0	68.0
ZP36KUE	PFZ	3.0	9,671	33,000	2,430	11.9	3.98	13.6	34.4	1.24	30.4	102.0	68.0
ZP39KHE	PFZ	3.5	9,202	31,400	3,140	14.5	2.93	10.0	36.9	1.24	32.7	98.0	68.0
ZP39KSE	PFZ	3.5	9,202	31,400	3,140	14.5	2.93	10.0	36.9	1.24	32.7	98.0	68.0
ZP41K3E	PFJ	3.5	9,847	33,600	3,570	16.9	2.76	9.4	39.3	1.24	31.8	97.0	67.0
ZP41K3E	PFZ	3.5	9,847	33,600	3,510	17.2	2.81	9.6	39.3	1.24	29.5	114.0	67.0
ZP42K5E	PFJ	3.5	10,257	35,000	3,500	15.7	2.93	10.0	39.8	1.24	33.1	98.0	68.0
ZP42KSE	PFZ	3.5	10,199	34,800	3,480	16.7	2.93	10.0	39.8	1.24	32.7	128.0	68.0
ZP42KUE	PFZ	3.5	11,283	38,500	2,930	14.6	3.85	13.1	39.8	1.24	30.4	115.0	68.0
ZP44K5E	PFJ	3.5	10,756	36,700	3,620	16.8	2.97	10.1	42.0	1.24	33.1	114.0	68.0
ZP44KHE	PFZ	3.5	10,756	36,700	3,620	16.8	2.97	10.2	42.0	1.24	32.7	119.0	71.0
ZP44KSE	PFZ	3.5	10,756	36,700	3,600	16.7	2.99	10.2	42.0	1.24	30.4	114.0	71.0
ZP49K5E	PFJ	4.0	11,752	40,100	3,960	19.5	2.97	10.1	46.4	1.24	34.0	126.0	68.0
ZP50K3E	PFJ	4.0	12,485	42,600	4,100	19.5	3.05	10.4	48.2	1.66	44.0	136.0	72.0
ZP50K3E	PFZ	4.0	12,485	42,600	4,100	19.5	3.05	10.4	48.2	1.66	44.0	136.0	72.0
ZP51K5E	PFJ	4.0	12,162	41,500	4,050	19.8	3.00	10.3	48.2	1.24	34.0	126.0	68.0
ZP51KSE	PFZ	4.0	12,162	41,500	4,050	19.8	3.00	10.3	48.2	1.24	34.0	126.0	68.0
ZP54K5E	PFJ	4.5	12,954	44,200	4,300	20.7	3.01	10.3	51.1	1.24	34.0	128.0	68.0
ZP54KSE	PFZ	4.5	13,042	44,500	4,320	20.9	3.02	10.3	51.1	1.24	34.0	115.5	70.0
ZP57K3E	PFJ	4.5	13,950	47,600	4,700	24.0	2.97	10.1	54.2	1.66	41.7	153.0	72.0
ZP61KCE	PFZ	5.0	14,800	50,500	4,950	23.3	2.99	10.2	58.2	1.77	39.9	147.0	72.0
ZP67KCE	PFZ	5.5	16,119	55,000	5,450	25.7	2.96	10.1	62.9	1.77	39.9	155.0	72.0
ZP70KWE	PFJ	6.0	16,852	57,500	5,850	30.1	2.88	9.8	67.2	1.66	45.4	176.0	75.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

208-230V; 60 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP14K5E PFV	1.2	4,293	14,650	1,580	7.0	2.72	9.3	14.3	0.74	22.2	46.0	66.0
ZP14K6E PFV	1.2	4,308	14,700	1,505	6.7	2.86	9.8	14.4	0.62	20.0	47.5	66.0
ZP14KAE PFV	1.2	4,088	13,950	1,465	6.5	2.79	9.5	13.9	0.62	20.0	46.0	66.0
ZP14KBE PFV	1.2	5,656	19,300	944	4.2	5.99	20.5	13.9	0.62	20.0	46.0	66.0
ZP15K6E PFV	1.3	4,337	14,800	1,505	6.6	2.88	9.9	14.4	0.62	22.7	47.5	66.0
ZP16K3E PFV	1.3	4,543	15,500	1,850	7.8	2.46	8.4	15.2	1.12	26.8	51.0	68.0
ZP16K5E PFV	1.3	4,543	15,500	1,660	7.3	2.74	9.3	15.1	0.74	21.3	48.0	66.0
ZP16K6E PFV	1.3	4,631	15,800	1,565	6.9	2.96	10.1	14.9	0.62	20.9	56.3	66.0
ZP16KAE PFV	1.3	4,587	15,650	1,640	7.4	2.80	9.6	15.2	0.62	20.0	56.6	66.0
ZP16KBE PFV	1.3	6,272	21,400	1,050	4.7	5.97	20.4	15.2	0.62	20.0	56.6	66.0
ZP19K6E PFV	1.6	5,568	19,000	1,905	8.4	2.92	10.0	18.2	0.62	20.0	62.9	66.0
ZP20K3E PFV	1.6	5,949	20,300	2,230	9.5	2.67	9.1	18.8	1.12	30.4	60.0	68.0
ZP20K5E PFV	1.6	5,861	20,000	2,040	9.1	2.87	9.8	19.3	0.74	21.3	58.3	66.0
ZP20K6E PFV	1.6	5,847	19,950	1,995	8.8	2.93	10.0	19.0	0.62	20.0	62.9	66.0
ZP20KAE PFV	1.6	5,861	20,000	2,080	9.3	2.82	9.6	19.5	0.62	20.0	60.8	66.0
ZP20KBE PFV	1.6	8,030	27,400	1,315	5.9	6.11	20.9	19.5	0.62	20.0	60.8	66.0
ZP20KEE PFV	1.6	8,001	27,300	1,290	5.8	6.20	21.2	19.3	0.74	22.7	51.9	66.0
ZP20KKE PFV	1.6	7,942	27,100	1,240	5.5	6.41	21.8	19.0	0.62	20.0	68.0	66.0
ZP20KSE PFV	1.6	5,861	20,000	2,040	9.1	2.87	9.8	19.3	0.74	21.3	58.3	66.0
ZP20KVE PFV	1.6	5,832	19,900	1,980	8.7	2.95	10.1	19.0	0.62	20.0	61.0	66.0
ZP21K5E PFV	1.8	6,242	21,300	2,170	9.5	2.88	9.8	20.3	0.74	21.3	58.3	66.0
ZP21K6E PFV	1.8	6,213	21,200	2,100	9.2	2.96	10.2	20.3	0.62	20.0	61.6	66.0
ZP22K6E PFV	1.8	6,448	22,000	2,160	9.6	2.98	10.2	20.6	0.74	22.7	61.5	66.0
ZP22KCE PFV	1.8	6,448	22,000	2,360	10.3	2.73	9.3	21.8	1.12	28.6	61.0	68.0
ZP22KME PFV	1.8	6,448	22,000	2,140	9.4	3.01	10.3	20.6	0.77	20.0	82.0	66.0
ZP23K3E PFV	1.9	6,887	23,500	2,400	11.0	2.87	9.8	23.3	1.12	28.6	61.0	68.0
ZP23K6E PFV	1.9	7,004	23,900	2,360	10.4	2.97	10.1	22.5	0.74	21.8	64.3	66.0
ZP24K5E PFV	2.0	7,034	24,000	2,400	10.6	2.93	10.0	22.8	0.74	21.8	64.0	66.0
ZP24K6E PFV	2.0	7,004	23,900	2,350	10.3	2.98	10.2	22.5	0.74	21.8	67.8	66.0
ZP24KSE PFV	2.0	7,034	24,000	2,400	10.6	2.93	10.0	22.8	0.74	21.8	64.0	66.0
ZP25K5E PFV	2.0	7,385	25,200	2,520	11.1	2.93	10.0	23.9	0.74	21.8	73.0	66.0
ZP25K6E PFV	2.0	7,415	25,300	2,420	10.8	3.06	10.5	23.6	0.74	21.8	72.5	66.0
ZP25KEE PFV	2.0	9,935	33,900	1,565	7.2	6.35	21.7	23.6	0.74	22.7	78.5	66.0
ZP25KME PFV	2.0	7,327	25,000	2,380	10.9	3.08	10.5	23.3	0.77	20.0	82.0	66.0
ZP26K3E PFV	2.0	7,532	25,700	2,620	12.0	2.87	9.8	25.2	1.12	0.0	72.5	68.0
ZP26K6E PFV	2.0	7,356	25,100	2,470	10.9	2.98	10.2	23.6	0.74	21.8	68.0	66.0
ZP26KCE PFV	2.0	7,532	25,700	2,730	12.5	2.76	9.4	25.2	1.12	29.0	73.0	68.0
ZP27K6E PFV	2.0	7,913	27,000	2,580	11.6	3.07	10.5	25.1	0.74	22.7	72.2	66.0
ZP27KME PFV	2.0	7,913	27,000	2,570	11.6	3.08	10.5	25.7	0.77	20.0	80.0	66.0
ZP28K5E PFV	2.5	8,177	27,900	2,760	12.2	2.96	10.1	26.7	0.74	22.2	77.0	68.0
ZP28K6E PFV	2.5	8,616	29,400	2,790	12.3	3.09	10.6	27.2	0.74	22.2	82.6	68.0
ZP29K5E PFV	2.5	8,499	29,000	2,870	12.7	2.96	10.1	27.5	0.74	22.2	77.0	68.0
ZP29K6E PFV	2.5	8,616	29,400	2,790	12.3	3.09	10.6	27.2	0.74	22.2	72.2	68.0
ZP29KSE PFV	2.5	8,499	29,000	2,870	12.7	2.96	10.1	27.5	0.74	22.2	77.0	68.0
ZP31K5E PFV	2.5	9,115	31,100	3,070	13.5	2.97	10.1	29.5	0.74	22.2	79.0	68.0
ZP31K6E PFV	2.5	9,173	31,300	2,980	13.1	3.08	10.5	29.3	0.74	22.2	83.9	68.0

208-230V; 60 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP31KEE PFV	2.5	12,338	42,100	1,950	8.8	6.33	21.6	29.3	0.74	22.7	88.5	68.0
ZP31KSE PFV	2.5	9,115	31,100	3,070	13.5	2.97	10.1	29.5	0.74	22.2	79.0	68.0
ZP32K3E PFV	2.5	9,173	31,300	3,130	14.5	2.93	10.0	30.6	1.24	30.6	83.0	70.0
ZP32KCE PFV	2.5	9,320	31,800	3,350	15.7	2.78	9.5	30.6	1.24	30.6	100.0	70.0
ZP34K5E PFV	3.0	10,111	34,500	3,380	15.6	2.99	10.2	32.8	1.24	32.2	112.0	68.0
ZP34K6E PFV	3.0	10,140	34,600	3,240	14.4	3.13	10.7	32.0	1.24	33.6	109.0	68.0
ZP34KFE PFV	3.0	10,111	34,500	3,440	15.7	2.94	10.0	32.8	1.24	32.2	118.3	68.0
ZP34KSE PFV	3.0	10,111	34,500	3,380	15.6	2.99	10.2	32.8	1.24	32.2	112.0	68.0
ZP36K3E PFV	3.0	10,609	36,200	3,620	16.6	2.93	10.0	34.9	1.24	31.3	105.0	70.0
ZP36K5E PFV	3.0	10,551	36,000	3,540	16.4	2.98	10.2	34.4	1.24	32.2	112.0	68.0
ZP36K6E PFV	3.0	10,551	36,000	3,370	15.1	3.13	10.7	33.3	1.24	32.2	123.9	68.0
ZP36KSE PFV	3.0	10,551	36,000	3,540	16.4	2.98	10.2	34.4	1.24	32.2	112.0	68.0
ZP36KUE PFV	3.0	10,697	36,500	3,440	15.2	3.11	10.6	34.4	1.24	30.4	112.0	68.0
ZP38K3E PFV	3.0	11,078	37,800	3,780	17.3	2.93	10.0	36.1	1.24	30.6	104.0	70.0
ZP38K5E PFV	3.0	10,990	37,500	3,700	17.0	2.97	10.1	35.7	1.24	32.7	109.0	68.0
ZP38K6E PFV	3.0	10,990	37,500	3,520	15.8	3.12	10.7	34.7	1.24	31.8	123.9	68.0
ZP38KCE PFV	3.0	11,137	38,000	3,880	19.7	2.87	9.8	36.1	1.24	30.6	131.0	70.0
ZP39K5E PFV	3.5	11,430	39,000	3,790	17.5	3.02	10.3	36.9	1.24	32.7	109.0	68.0
ZP39KUE PFV	3.5	11,606	39,600	3,700	16.3	3.14	10.7	36.9	1.24	30.4	112.0	68.0
ZP40K6E PFV	3.5	11,723	40,000	3,740	17.4	3.13	10.7	36.7	1.24	32.2	124.0	68.0
ZP41K3E PFV	3.5	12,016	41,000	4,020	18.3	2.99	10.2	39.3	1.24	32.2	109.0	70.0
ZP42K5E PFV	3.5	12,309	42,000	4,070	18.4	3.02	10.3	39.8	1.24	32.7	117.0	68.0
ZP42K6E PFV	3.5	12,456	42,500	4,000	17.7	3.11	10.6	39.2	1.24	32.7	130.0	68.0
ZP42KSE PFV	3.5	12,309	42,000	4,070	18.4	3.02	10.3	39.8	1.24	32.7	117.0	68.0
ZP44K3E PFV	3.5	12,983	44,300	4,300	19.3	3.02	10.3	42.0	1.24	32.2	134.0	70.0
ZP44K5E PFV	3.5	13,012	44,400	4,270	19.3	3.05	10.4	42.0	1.24	33.1	135.0	68.0
ZP44KCE PFV	3.5	12,837	43,800	4,380	21.1	2.93	10.0	42.0	1.24	32.2	131.0	70.0
ZP44KSE PFV	3.5	13,012	44,400	4,270	19.3	3.05	10.4	42.0	1.24	33.1	135.0	68.0
ZP44KUE PFV	3.5	13,218	45,100	4,160	18.6	3.18	10.8	42.0	1.24	30.4	128.0	68.0
ZP49K5E PFV	4.0	14,478	49,400	4,690	21.2	3.09	10.6	46.4	1.24	34.0	134.0	68.0
ZP49K6E PFV	4.0	14,478	49,400	4,600	20.6	3.15	10.8	45.4	1.24	33.6	152.5	68.0
ZP49KSE PFV	4.0	14,478	49,400	4,690	21.2	3.09	10.6	46.4	1.24	34.0	134.0	68.0
ZP49KUE PFV	4.0	14,507	49,500	4,600	21.2	3.15	10.8	46.0	1.24	30.4	138.0	71.0
ZP50K3E PFV	4.0	14,800	50,500	4,950	22.0	2.99	10.2	48.2	1.66	44.0	145.0	72.0
ZP51K5E PFV	4.0	14,947	51,000	4,860	21.8	3.08	10.5	48.2	1.24	34.0	134.0	68.0
ZP51K6E PFV	4.0	14,947	51,000	4,790	21.5	3.12	10.7	47.5	1.24	34.0	144.2	68.0
ZP51KSE PFV	4.0	14,947	51,000	4,860	21.8	3.08	10.5	48.2	1.24	35.4	134.0	68.0
ZP51KUE PFV	4.0	14,947	51,000	4,720	21.6	3.17	10.8	48.2	1.24	30.4	138.0	71.0
ZP54K3E PFV	4.5	15,972	54,500	5,300	23.6	3.01	10.3	51.3	1.66	44.0	158.0	72.0
ZP54K5E PFV	4.5	15,826	54,000	5,150	22.5	3.07	10.5	51.1	1.24	34.0	134.0	68.0
ZP54K6E PFV	4.5	16,090	54,900	5,200	24.3	3.09	10.6	50.6	1.24	34.0	166.0	68.0
ZP57K3E PFV	4.5	16,705	57,000	5,650	24.7	2.96	10.1	54.2	1.66	44.5	158.0	74.0
ZP57K5E PFV	4.5	16,705	57,000	5,460	25.6	3.06	10.4	53.4	1.24	34.0	178.0	68.0
ZP57KSE PFV	4.5	16,852	57,500	5,550	25.6	3.04	10.4	53.4	1.24	34.0	178.0	71.0
ZP61K5E PFV	5.0	18,024	61,500	5,860	27.2	3.08	10.5	57.2	1.24	34.9	178.0	68.0
ZP67KCE PFV	5.5	19,782	67,500	6,300	28.5	3.14	10.7	62.9	1.66	44.0	185.0	74.0

208-230V; 60 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP70KWE PFV	6.0	20,222	69,000	7,000	32.5	2.89	9.9	67.2	1.66	45.4	148.0	74.0
ZP72KCE PFV	6.0	21,101	72,000	6,850	30.9	3.08	10.5	67.2	1.66	45.4	185.0	74.0
ZP72KWE PFV	6.0	21,101	72,000	6,850	30.9	3.08	10.5	67.2	1.66	45.4	185.0	74.0
ZP83KWE PFV	7.0	24,178	82,500	7,800	35.3	3.10	10.6	79.6	1.77	45.4	185.0	74.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP103KCE TFD	8.5	25,204	86,000	7,800	14.4	3.23	11.0	96.4	3.25	61.2	111.0	74.0
ZP103KFE TFD	8.5	25,116	85,700	7,940	14.7	3.16	10.8	96.4	3.25	60.8	127.0	74.0
ZP103KQE TFD	8.5	25,204	86,000	7,800	13.7	3.23	11.0	96.4	3.37	61.2	111.0	74.0
ZP104K2E TFD	9.0	25,644	87,500	7,970	14.3	3.22	11.0	96.4	2.51	47.6	120.0	74.0
ZP104KCE TFD	9.0	25,644	87,500	7,840	14.3	3.27	11.2	96.4	2.51	47.6	128.0	73.0
					14.5	3.27	11.2	96.4	2.51	47.6	128.0	73.0
ZP120KCE TFD	10.0	29,307	100,000	9,110	16.6	3.22	11.0	113.6	3.25	61.2	118.0	76.0
ZP120KFE TFD	10.0	29,307	100,000	9,340	17.6	3.14	10.8	113.6	3.25	62.6	153.0	74.0
ZP120KQE TFD	10.0	29,307	100,000	9,110	16.6	3.22	11.0	113.6	3.37	61.2	118.0	74.0
ZP122KCE TFD	10.0	29,893	102,000	9,160	16.6	3.26	11.2	112.3	2.51	48.5	139.0	73.0
					17.0	3.26	11.2	112.3	2.51	48.5	139.0	73.0
ZP122KFE TFM	10.0	29,600	101,000	9,340	17.5	3.17	10.8	112.3	2.51	48.5	134.0	74.0
ZP137KCE TFD	11.5	32,531	111,000	10,200	18.3	3.19	10.9	127.2	3.25	62.1	118.0	77.0
ZP137KPE TFD	11.5	33,058	112,800	10,600	18.0	3.12	10.6	127.2	3.25	62.6	118.0	77.0
ZP137KQE TFD	11.5	32,531	111,000	10,200	17.8	3.19	10.9	127.2	3.37	62.1	118.0	75.0
ZP137KZE TFD	11.5	39,565	135,000	9,080	16.1	4.36	14.9	127.2	3.58	65.8	147.0	77.0
		39,711	135,500	9,170	16.2	4.33	14.8	127.2	3.58	65.8	147.0	77.0
ZP143KCE TFD	12.0	35,462	121,000	10,800	19.4	3.28	11.2	132.7	2.75	49.0	146.0	72.0
					20.0	3.28	11.2	132.7	2.75	49.0	146.0	72.0
ZP143KCE TFM	12.0	35,462	121,000	10,700	18.7	3.31	11.3	132.7	2.75	49.0	124.3	72.0
ZP144KCE TFD	12.0	35,462	121,000	10,800	19.1	3.28	11.2	134.7	3.25	60.8	144.0	75.0
ZP144KFE TFD	12.0	35,462	121,000	11,100	19.8	3.19	10.9	134.7	3.25	60.8	153.0	75.0
ZP154KCE TED	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.37	64.9	140.0	77.0
ZP154KCE TFD	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.25	64.9	140.0	76.0
ZP154KCE TWD	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.25	64.9	140.0	77.0
ZP154KCE TWM	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.25	64.9	140.0	77.0
ZP154KFE TFD	13.0	36,927	126,000	11,900	21.3	3.10	10.6	142.9	3.25	64.9	152.0	76.0
ZP154KPE TFD	13.0	36,927	126,000	11,800	21.1	3.13	10.7	142.9	3.37	64.9	140.0	76.0
ZP154KQE TFD	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.37	64.9	140.0	76.0
ZP154KZE TFD	13.0	45,133	154,000	10,200	16.7	4.42	15.1	142.9	3.58	67.1	141.0	76.0
ZP182KCE TED	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.37	66.2	173.0	79.0
ZP182KCE TFD	15.0	43,961	150,000	13,500	26.3	3.26	11.1	167.1	3.25	66.2	174.0	79.0
ZP182KCE TWD	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.25	66.2	173.0	79.0
ZP182KCE TWM	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.25	66.2	173.0	79.0

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP182KPE TFD	15.0	43,375	148,000	13,900	24.6	3.12	10.6	167.1	3.37	66.2	174.0	79.0
ZP182KQE TFD	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.37	66.2	174.0	77.0
ZP182KZE TFD	15.0	53,339	182,000	12,100	21.2	4.41	15.1	167.1	3.58	67.1	186.0	79.0
ZP20K3E TFD	1.6	4,865	16,600	1,880	3.3	2.59	8.8	18.8	1.12	25.9	24.0	65.0
ZP20K5E TFD	1.6	4,777	16,300	1,765	3.1	2.71	9.2	19.3	0.74	21.3	27.0	66.0
ZP21K5E TFD	1.8	4,982	17,000	1,845	3.2	2.70	9.2	20.3	0.74	21.3	27.0	66.0
ZP232KCE TED	20.0	56,709	193,500	16,850	29.1	3.37	11.5	210.2	4.44	91.6	219.0	82.0
					29.2	3.37	11.5	210.2	4.44	91.6	219.0	82.0
ZP232KZE TED	20.0	56,709	193,500	16,850	29.1	3.37	11.5	210.2	4.44	91.6	240.8	82.0
					29.5	3.37	11.5	210.2	4.44	91.6	240.8	82.0
				17,600	28.7	3.22	11.0	210.2	4.44	91.6	240.8	82.0
ZP235KCE TED	20.0	57,149	195,000	17,600	30.0	3.25	11.1	217.1	4.67	140.6	225.0	82.0
ZP235KCE TWD	20.0	57,149	195,000	17,600	30.0	3.25	11.1	217.1	4.67	140.6	225.0	82.0
ZP236KCE TED	20.0	57,442	196,000	17,700	30.0	3.25	11.1	217.1	4.50	127.0	229.0	82.0
ZP23K3E TFD	1.9	5,568	19,000	2,130	3.7	2.61	8.9	23.3	1.12	27.2	26.0	65.0
ZP24K5E TFD	2.0	5,686	19,400	2,020	3.6	2.81	9.6	22.8	0.74	21.3	28.0	66.0
ZP24K6E TFD	2.0	5,730	19,550	1,975	3.8	2.90	9.9	22.5	0.74	21.8	38.0	66.0
ZP24KSE TFM	2.0	5,671	19,350	2,000	3.6	2.84	9.7	22.8	0.74	21.3	28.0	66.0
ZP25K5E TFD	2.0	5,979	20,400	2,120	3.8	2.82	9.6	23.9	0.74	20.9	28.0	66.0
ZP25K6E TFD	2.0	6,008	20,500	2,050	3.7	2.93	10.0	22.8	0.74	21.8	38.0	66.0
ZP25KSE TFM	2.0	5,979	20,400	2,120	3.8	2.82	9.6	23.9	0.74	21.3	28.0	66.0
ZP26K3E TFD	2.0	6,184	21,100	2,270	4.1	2.72	9.3	25.2	1.12	27.2	32.0	65.0
ZP285KCE TED	24.0	67,406	230,000	20,300	35.1	3.32	11.3	253.2	6.30	177.4	250.0	85.0
ZP285KCE TWD	24.0	67,406	230,000	20,300	35.1	3.32	11.3	253.2	6.30	177.4	250.0	85.0
ZP28K5E TFD	2.5	6,594	22,500	2,280	4.2	2.89	9.9	26.7	0.74	21.8	38.0	66.0
ZP292KCE TED	25.0	71,509	244,000	21,200	36.8	3.37	11.5	262.8	4.44	91.6	287.5	82.0
					37.7	3.37	11.5	262.8	4.44	91.6	287.5	82.0
ZP292KZE TED	25.0	70,630	241,000	21,700	37.4	3.25	11.1	262.8	4.44	91.6	287.5	82.0
		71,509	244,000	21,200	36.8	3.37	11.5	262.8	4.44	91.6	287.5	82.0
					37.7	3.37	11.5	262.8	4.44	91.6	287.5	82.0
ZP295KCE TED	25.0	71,509	244,000	22,000	37.2	3.25	11.1	268.4	6.80	160.1	272.0	90.0
ZP295KCE TWD	25.0	71,509	244,000	22,000	37.2	3.25	11.1	268.4	6.80	160.1	272.0	85.0
ZP296KCE TED	25.0	71,216	243,000	22,000	37.3	3.24	11.1	267.3	4.50	132.4	320.0	85.0
ZP296KWE TED	25.0	76,785	262,000	14,700	25.2	5.22	17.8	267.3	4.50	134.3	263.0	90.0
		77,371	264,000	14,800	25.2	5.23	17.9	267.3	4.50	134.3	263.0	90.0
ZP29K5E TFD	2.5	6,799	23,200	2,420	4.4	2.81	9.6	27.5	0.74	21.8	38.0	66.0
ZP29K6E TFD	2.5	7,004	23,900	2,360	4.3	2.97	10.1	27.5	0.74	21.8	38.0	68.0
ZP29KSE TFM	2.5	7,004	23,900	2,380	4.3	2.94	10.0	27.5	0.74	22.2	38.0	66.0
ZP31K5E TFD	2.5	7,327	25,000	2,580	4.6	2.84	9.7	29.5	0.74	21.8	38.0	66.0
ZP31K6E TFD	2.5	7,415	25,300	2,530	4.3	2.93	10.0	29.3	0.74	21.8	38.0	68.0
ZP31KSE TFD	2.5	7,327	25,000	2,580	4.6	2.84	9.7	29.5	0.74	22.2	38.0	66.0
ZP31KSE TFM	2.5	7,327	25,000	2,580	4.6	2.84	9.7	29.5	0.74	22.2	38.0	66.0
ZP32K3E TFD	2.5	7,385	25,200	2,680	4.7	2.76	9.4	30.6	1.24	28.1	35.0	67.0
ZP34K5E TFD	3.0	8,206	28,000	2,830	5.2	2.90	9.9	32.8	1.24	28.6	46.0	68.0
ZP34K6E TFD	3.0	8,206	28,000	2,750	4.6	2.98	10.2	32.8	1.24	32.2	36.0	68.0
ZP34KSE TFM	3.0	8,206	28,000	2,830	5.2	2.90	9.9	32.8	1.24	29.0	46.0	68.0

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP34KUE TFM	3.0	8,118	27,700	2,670	5.0	3.04	10.4	31.5	1.24	30.4	55.0	71.0
ZP36K3E TFD	3.0	8,646	29,500	3,110	5.4	2.78	9.5	34.9	1.24	29.9	40.0	67.0
ZP36K5E TFD	3.0	8,587	29,300	2,940	5.4	2.92	10.0	34.4	1.24	29.0	46.0	68.0
ZP36K6E TFD	3.0	8,734	29,800	2,970	5.0	2.94	10.0	34.4	1.24	29.0	46.0	68.0
ZP36KSE TFD	3.0	8,587	29,300	2,940	5.4	2.92	10.0	34.4	1.24	29.0	46.0	68.0
ZP36KSE TFM	3.0	8,587	29,300	2,940	5.4	2.92	10.0	34.4	1.24	29.0	46.0	68.0
ZP36KUE TFM	3.0	8,792	30,000	2,860	5.3	3.07	10.5	34.4	1.24	30.4	55.0	71.0
ZP385KCE TED	30.0	92,610	316,000	28,500	48.1	3.25	11.1	349.4	6.30	176.9	310.0	85.0
ZP385KCE TWD	30.0	92,610	316,000	28,500	48.1	3.25	11.1	349.4	6.30	176.9	310.0	85.0
ZP385KPE TWD	30.0	92,904	317,000	28,550	46.7	3.25	11.1	349.4	6.30	176.9	310.0	85.0
ZP385KWE TED	30.0	99,644	340,000	19,250	32.0	5.18	17.7	349.4	6.30	181.4	331.0	90.0
		99,937	341,000	19,500	33.2	5.12	17.5	349.4	6.30	181.4	331.0	91.0
ZP38K3E TFD	3.0	9,027	30,800	3,120	5.5	2.89	9.9	36.1	1.24	29.9	48.0	70.0
ZP38K5E TFD	3.0	8,880	30,300	3,060	5.2	2.90	9.9	35.7	1.24	30.4	43.0	68.0
ZP38K6E TFD	3.0	8,997	30,700	3,030	5.2	2.97	10.2	35.7	1.24	30.4	43.0	68.0
ZP38KSE TFM	3.0	8,880	30,300	3,060	5.2	2.90	9.9	35.7	1.24	30.8	43.0	68.0
ZP39K5E TFD	3.5	9,261	31,600	3,150	5.3	2.94	10.0	36.9	1.24	30.4	43.0	68.0
ZP39KHE TFM	3.5	9,261	31,600	3,150	5.3	2.94	10.0	36.9	1.24	30.4	43.0	68.0
ZP39KSE TFD	3.5	9,261	31,600	3,150	5.3	2.94	10.0	36.9	1.24	30.4	43.0	68.0
ZP39KSE TFM	3.5	9,261	31,600	3,150	5.3	2.94	10.0	36.9	1.24	30.8	43.0	68.0
ZP39KUE TFM	3.5	8,792	30,000	2,860	5.3	3.07	10.5	36.9	1.24	30.4	55.0	71.0
		9,496	32,400	3,080	5.6	3.08	10.5	36.9	1.24	30.4	55.0	71.0
ZP40K6E TFD	3.5	9,437	32,200	3,220	5.4	2.93	10.0	37.4	1.24	30.4	43.0	68.0
ZP41K3E TFD	3.5	9,818	33,500	3,380	6.0	2.90	9.9	39.3	1.24	29.5	48.0	67.0
ZP42K5E TFD	3.5	10,023	34,200	3,380	5.7	2.97	10.1	39.8	1.24	30.4	43.0	68.0
ZP42K6E TFD	3.5	10,170	34,700	3,340	5.6	3.04	10.4	39.8	1.24	30.4	43.0	68.0
ZP42KSE TFD	3.5	10,023	34,200	3,380	5.7	2.97	10.1	39.8	1.24	30.4	43.0	68.0
ZP42KSE TFM	3.5	10,052	34,300	3,310	5.6	3.04	10.4	39.8	1.24	30.8	43.0	68.0
ZP42KUE TFM	3.5	10,257	35,000	3,300	5.9	3.11	10.6	39.8	1.24	30.4	55.0	71.0
ZP44K3E TFD	3.5	10,463	35,700	3,800	6.3	2.75	9.4	42.0	1.24	29.5	48.0	70.0
ZP44K5E TFD	3.5	10,697	36,500	3,540	6.1	3.02	10.3	42.0	1.24	30.8	52.0	68.0
ZP44KSE TFD	3.5	10,697	36,500	3,540	6.1	3.02	10.3	42.0	1.24	30.8	52.0	68.0
ZP44KSE TFM	3.5	10,697	36,500	3,540	6.1	3.02	10.3	42.0	1.24	30.4	52.0	68.0
ZP44KUE TFM	3.5	10,844	37,000	3,520	6.2	3.08	10.5	42.0	1.24	30.4	55.0	71.0
ZP485KCE TED	40.0	118,401	404,000	35,700	60.0	3.32	11.3	444.4	6.30	190.1	408.0	89.0
ZP485KCE TWD	40.0	118,401	404,000	35,700	60.0	3.32	11.3	444.4	6.30	190.1	408.0	89.0
ZP485KPE TWD	40.0	117,727	401,700	36,590	59.8	3.22	10.9	444.4	6.30	200.0	408.0	89.0
ZP485KWE TED	40.0	127,193	434,000	24,600	40.3	5.17	17.6	444.4	6.30	192.8	464.0	89.0
ZP49K5E TFD	4.0	11,928	40,700	3,870	6.5	3.08	10.6	46.4	1.24	32.7	51.5	68.0
ZP49K6E TFD	4.0	12,016	41,000	3,860	6.5	3.11	10.6	46.4	1.24	32.7	51.5	68.0
ZP49KHE TFM	4.0	11,928	40,700	3,870	6.5	3.08	10.6	46.4	1.24	32.7	51.5	68.0
ZP49KSE TFD	4.0	11,928	40,700	3,870	6.5	3.08	10.6	46.4	1.24	32.7	51.5	68.0
ZP49KSE TFM	4.0	11,928	40,700	3,870	6.5	3.08	10.6	46.4	1.24	32.7	51.5	68.0
ZP49KUE TFM	4.0	11,957	40,800	3,810	7.5	3.14	10.7	46.0	1.24	29.9	72.0	71.0
ZP50K3E TFD	4.0	12,397	42,300	4,100	7.3	3.02	10.3	48.2	1.95	39.5	64.0	69.0
ZP51K5E TFD	4.0	12,778	43,600	4,040	6.8	3.16	10.8	48.2	1.24	32.2	51.5	71.0

380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZP51K6E	TFD	4.0	12,397	42,300	4,040	7.1	3.07	10.5	48.2	1.24	32.2	51.5	68.0
ZP51KHE	TFM	4.0	12,075	41,200	4,000	7.0	3.02	10.3	48.2	1.24	32.2	51.5	68.0
ZP51KSE	TFD	4.0	12,075	41,200	4,000	7.0	3.02	10.3	48.2	1.24	32.2	51.5	68.0
ZP51KSE	TFM	4.0	12,162	41,500	4,040	6.8	3.01	10.3	48.2	1.24	32.7	51.5	68.0
ZP51KUE	TFD	4.0	12,456	42,500	3,970	7.5	3.14	10.7	47.0	1.24	30.4	64.0	69.0
ZP51KUE	TFM	4.0	12,456	42,500	3,970	7.5	3.14	10.7	47.0	1.24	29.9	72.0	69.0
ZP54K3E	TFD	4.5	13,188	45,000	4,460	7.7	2.96	10.1	51.3	1.95	38.1	64.0	69.0
ZP54K5E	TFD	4.5	12,895	44,000	4,280	7.0	3.01	10.3	51.1	1.24	32.2	51.5	68.0
ZP54K6E	TFD	4.5	12,690	43,300	4,260	6.9	2.98	10.2	51.1	1.24	32.2	51.5	68.0
ZP54KSE	TFD	4.5	12,895	44,000	4,280	7.0	3.01	10.3	51.1	1.24	32.7	51.5	68.0
ZP54KSE	TFM	4.5	12,924	44,100	4,210	7.1	3.07	10.5	51.1	1.24	32.7	51.5	70.0
ZP54KUE	TFD	4.5	13,188	45,000	4,240	7.9	3.11	10.6	49.8	1.24	30.4	64.0	71.0
ZP54KUE	TFM	4.5	13,188	45,000	4,240	7.9	3.11	10.6	49.8	1.24	30.4	72.0	71.0
ZP57K3E	TFD	4.5	13,921	47,500	4,610	8.1	3.02	10.3	54.2	1.66	41.7	74.0	71.0
ZP57K5E	TFD	4.5	13,774	47,000	4,390	7.5	3.14	10.7	53.4	1.24	34.0	67.1	68.0
ZP57KHE	TFM	4.5	13,774	47,000	4,390	7.5	3.14	10.7	53.4	1.24	34.0	67.1	71.0
ZP57KUE	TFM	4.5	15,386	52,500	3,860	7.8	3.99	13.6	53.1	1.24	30.4	73.5	71.0
ZP61K5E	TFD	5.0	15,035	51,300	4,980	8.2	3.02	10.3	57.2	1.24	34.9	67.1	68.0
ZP61KCE	TFD	5.0	14,654	50,000	4,750	8.3	3.08	10.6	58.2	1.66	39.9	64.0	71.0
ZP61KUE	TFM	5.0	16,559	56,500	4,150	8.5	3.99	13.6	57.2	1.24	30.4	76.0	71.0
ZP67KCE	TFD	5.5	16,119	55,000	5,200	9.1	3.10	10.6	62.9	1.77	39.9	74.0	72.0
ZP725KCE	FED	60.0	179,359	612,000	55,600	95.0	3.23	11.0	663.7	6.30	259.9	666.0	N/A
ZP725KCE	FWM	60.0	179,359	612,000	55,600	95.0	3.23	11.0	663.7	6.30	259.9	666.0	N/A
ZP72KCE	TFD	6.0	17,145	58,500	5,700	9.8	3.01	10.3	67.2	1.77	39.9	75.0	72.0
ZP72KTE	TFD	6.0	17,145	58,500	5,700	9.8	3.01	10.3	67.2	1.69	39.9	75.0	72.0
ZP76KCE	TFD	6.0	18,376	62,700	5,850	11.0	3.14	10.7	70.8	1.77	39.5	100.0	72.0
ZP83KCE	TFD	7.0	19,929	68,000	6,400	11.7	3.11	10.6	77.2	1.77	39.5	101.0	72.0
ZP83KFE	TFD	7.0	19,929	68,000	6,600	12.1	3.02	10.3	77.2	1.77	39.5	92.0	72.0
ZP90KCE	TFD	7.5	21,834	74,500	6,950	12.3	3.14	10.7	84.2	2.51	57.6	95.0	72.0
ZP90KQE	TFD	7.5	21,834	74,500	6,950	12.3	3.14	10.7	2081.2	2.63	57.6	95.0	72.0
ZP91KCE	TFD	7.5	21,511	73,400	6,900	12.5	3.12	10.7	84.6	1.77	40.8	101.0	72.0
			21,687	74,000	6,790	12.4	3.19	10.9	84.6	1.77	40.8	101.0	72.0
ZP91KFE	TFD	7.5	21,687	74,000	7,000	12.4	3.10	10.6	84.6	1.77	40.8	92.0	N/A

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP103KCE TF5	8.5	30,772	105,000	9,550	28.6	3.22	11.0	96.4	3.25	60.8	225.0	77.0
ZP103KCE TFD	8.5	30,772	105,000	9,550	14.3	3.22	11.0	96.4	3.25	61.2	114.0	77.0
ZP103KFE TFD	8.5	30,626	104,500	9,720	14.7	3.15	10.8	96.4	3.25	60.8	126.0	77.0
ZP103KQE TFD	8.5	30,772	105,000	9,550	14.3	3.22	11.0	96.4	3.37	61.2	114.0	77.0
ZP104K2E TFD	9.0	31,066	106,000	9,630	14.5	3.23	11.0	96.4	2.51	47.6	120.0	77.0
ZP104KCE TF5	9.0	31,066	106,000	9,380	27.2	3.31	11.3	96.4	2.51	47.6	240.0	76.0
ZP104KCE TFD	9.0	31,066	106,000	9,380	14.4	3.31	11.3	96.4	2.51	47.6	130.0	76.0
ZP120KCE TF5	10.0	36,048	123,000	11,100	32.8	3.25	11.1	113.6	3.25	61.2	239.0	79.0
ZP120KCE TFD	10.0	36,048	123,000	11,100	16.4	3.25	11.1	113.6	3.25	61.2	125.0	79.0
ZP120KFE TFD	10.0	36,194	123,500	11,300	17.5	3.20	10.9	113.6	3.25	62.6	150.0	79.0
ZP120KQE TFD	10.0	36,048	123,000	11,100	16.4	3.25	11.1	113.6	3.37	61.2	125.0	79.0
ZP122KCE TF5	10.0	36,341	124,000	11,000	30.9	3.30	11.3	112.3	2.51	48.5	240.0	76.0
ZP122KCE TFD	10.0	36,341	124,000	11,000	16.9	3.30	11.3	112.3	2.51	48.5	140.0	76.0
ZP137KCE TF5	11.5	40,151	137,000	12,400	38.0	3.24	11.0	127.2	3.25	62.6	245.0	80.0
ZP137KCE TFD	11.5	39,565	135,000	12,300	18.0	3.22	11.0	127.2	3.25	62.1	125.0	80.0
ZP137KPE TFD	11.5	40,151	137,000	12,700	18.4	3.16	10.8	127.2	3.25	62.6	125.0	77.0
ZP137KQE TFD	11.5	39,565	135,000	12,300	18.0	3.22	11.0	127.2	3.37	62.1	125.0	80.0
ZP137KZE TF5	11.5	48,503	165,500	11,000	32.6	4.41	15.1	127.2	3.58	65.8	250.0	80.0
ZP137KZE TFD	11.5	48,503	165,500	11,000	16.3	4.41	15.1	127.2	3.58	65.8	147.0	80.0
ZP143KCE TFD	12.0	43,081	147,000	13,000	19.7	3.31	11.3	132.7	2.75	49.0	156.0	76.0
ZP144KCE TFD	12.0	43,081	147,000	13,000	19.3	3.31	11.3	134.7	3.25	60.8	137.0	80.0
ZP144KFE TFD	12.0	43,081	147,000	13,400	19.9	3.22	11.0	134.7	3.25	60.8	150.0	80.0
ZP154KCE TE5	13.0	45,426	155,000	14,000	42.8	3.24	11.1	142.9	3.37	66.2	300.0	80.0
ZP154KCE TED	13.0	45,426	155,000	14,000	21.0	3.24	11.1	142.9	3.37	64.9	150.0	80.0
ZP154KCE TFD	13.0	45,426	155,000	14,000	21.0	3.24	11.1	142.9	3.25	64.9	150.0	80.0
ZP154KCE TW5	13.0	45,426	155,000	14,000	42.8	3.24	11.1	142.9	3.25	66.2	300.0	80.0
ZP154KCE TWD	13.0	45,426	155,000	14,000	21.0	3.24	11.1	142.9	3.25	64.9	150.0	80.0
ZP154KFE TFD	13.0	45,133	154,000	14,400	21.6	3.13	10.7	142.9	3.25	64.9	160.0	80.0
ZP154KPE TFD	13.0	45,426	155,000	14,300	21.3	3.18	10.8	142.9	3.37	64.9	150.0	76.0
ZP154KQE TFD	13.0	45,426	155,000	14,000	21.0	3.24	11.1	142.9	3.37	64.9	150.0	80.0
ZP154KSE TW5	13.0	45,426	155,000	14,000	42.8	3.24	11.1	142.9	3.25	66.2	300.0	80.0
ZP154KZE TF5	13.0	54,365	185,500	12,250	36.4	4.44	15.2	142.9	3.58	67.1	300.0	0.0
ZP154KZE TFD	13.0	54,365	185,500	12,250	18.2	4.44	15.2	142.9	3.58	67.1	141.0	80.0
ZP180KCE TW7	15.0	52,753	180,000	16,100	27.8	3.28	11.2	164.4	4.14	106.6	239.0	83.0
ZP180KCE TWD	15.0	52,753	180,000	16,100	23.0	3.28	11.2	164.4	4.14	106.6	187.0	83.0
ZP181KCE TED	15.0	52,167	178,000	16,550	22.8	3.15	10.8	167.1	3.37	66.2	110.0	82.0
ZP181KCE TWD	15.0	52,167	178,000	16,550	22.8	3.15	10.8	167.1	3.25	66.2	110.0	82.0
ZP182KCE TE5	15.0	53,632	183,000	16,300	52.0	3.29	11.2	167.1	3.37	66.2	340.0	82.0
ZP182KCE TED	15.0	53,632	183,000	16,300	26.3	3.29	11.2	167.1	3.37	66.2	173.0	82.0
ZP182KCE TFD	15.0	53,632	183,000	16,300	26.3	3.29	11.2	167.1	3.25	66.2	179.0	82.0
ZP182KCE TW5	15.0	53,632	183,000	16,300	52.0	3.29	11.2	167.1	3.25	66.2	340.0	82.0
ZP182KCE TWD	15.0	53,632	183,000	16,300	26.3	3.29	11.2	167.1	3.25	66.2	173.0	82.0
ZP182KPE TFD	15.0	52,167	178,000	16,700	24.9	3.12	10.6	167.1	3.37	66.2	179.0	79.0
ZP182KQE TFD	15.0	53,632	183,000	16,300	26.3	3.29	11.2	167.1	3.37	66.2	179.0	80.0
ZP182KSE TW5	15.0	53,632	183,000	16,300	52.0	3.29	11.2	167.1	3.25	66.2	340.0	82.0
ZP182KZE TF5	15.0	64,183	219,000	14,500	46.2	4.43	15.1	167.1	3.58	67.1	386.3	82.0

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP182KZE TFD	15.0	64,183	219,000	14,500	23.1	4.43	15.1	167.1	3.58	67.1	182.0	82.0
ZP20K3E TF5	1.6	5,920	20,200	2,220	6.6	2.67	9.1	18.8	1.12	25.9	55.0	68.0
ZP20K3E TFD	1.6	5,979	20,400	2,210	3.2	2.71	9.3	18.8	1.12	25.9	22.4	68.0
ZP20K5E TF5	1.6	5,861	20,000	2,060	6.2	2.85	9.7	19.3	0.74	21.3	55.4	69.0
ZP20K5E TFD	1.6	5,861	20,000	2,040	3.1	2.87	9.8	19.3	0.74	21.3	28.0	69.0
ZP21K5E TF5	1.8	6,154	21,000	2,140	6.3	2.88	9.8	20.3	0.74	21.3	55.4	69.0
ZP21K5E TFD	1.8	6,242	21,300	2,170	3.2	2.88	9.8	20.3	0.74	21.3	28.0	69.0
ZP232KCE TE5	20.0	67,992	232,000	20,200	57.8	3.37	11.5	210.2	4.44	91.6	500.6	85.0
ZP232KCE TE7	20.0	67,992	232,000	20,200	35.2	3.37	11.5	210.2	4.44	91.6	289.7	85.0
ZP232KCE TED	20.0	67,992	232,000	20,200	29.1	3.37	11.5	210.2	4.44	91.6	246.9	85.0
ZP232KZE TE5	20.0	67,992	232,000	20,200	57.7	3.37	11.5	210.2	4.44	91.6	500.6	85.0
ZP232KZE TE7	20.0	67,992	232,000	20,200	35.4	3.37	11.5	210.2	4.44	91.6	289.7	85.0
ZP232KZE TED	20.0	68,579	234,000	21,000	29.4	3.27	11.2	210.2	4.44	91.6	246.9	82.0
ZP235KCE TE5	20.0	68,872	235,000	21,100	64.3	3.26	11.1	217.1	4.67	140.6	505.0	87.0
ZP235KCE TE7	20.0	68,872	235,000	21,100	37.0	3.26	11.1	217.1	4.67	140.6	290.0	87.0
ZP235KCE TED	20.0	68,872	235,000	21,100	30.6	3.26	11.1	217.1	4.67	140.6	225.0	87.0
ZP235KCE TW5	20.0	68,872	235,000	21,100	64.3	3.26	11.1	217.1	4.67	140.6	505.0	87.0
ZP235KCE TW7	20.0	68,872	235,000	21,100	37.0	3.26	11.1	217.1	4.67	140.6	290.0	87.0
ZP235KCE TWD	20.0	68,872	235,000	21,100	30.6	3.26	11.1	217.1	4.67	140.6	225.0	87.0
ZP236KCE TE5	20.0	69,165	236,000	21,300	64.3	3.25	11.1	217.1	4.50	127.0	538.0	87.0
ZP236KCE TED	20.0	69,751	238,000	21,500	30.7	3.24	11.1	217.1	4.50	127.0	229.0	87.0
ZP23K3E TF5	1.9	6,858	23,400	2,460	7.4	2.79	9.5	23.3	1.12	28.6	63.0	68.0
ZP23K3E TFD	1.9	6,858	23,400	2,460	3.6	2.79	9.5	23.3	1.12	27.2	27.0	68.0
ZP24K5E TF5	2.0	7,034	24,000	2,420	7.3	2.91	9.9	22.8	0.74	20.9	58.0	69.0
ZP24K5E TFD	2.0	7,034	24,000	2,420	3.7	2.91	9.9	22.8	0.74	21.3	28.0	69.0
ZP24K6E TF5	2.0	7,004	23,900	2,340	7.0	2.99	10.2	22.5	0.74	21.8	58.0	69.0
ZP24K6E TFD	2.0	7,004	23,900	2,340	3.4	2.99	10.2	22.5	0.74	21.8	38.0	69.0
ZP24KSE TF5	2.0	7,034	24,000	2,420	7.3	2.91	9.9	22.8	0.74	21.3	58.0	69.0
ZP25K5E TF5	2.0	7,385	25,200	2,520	7.4	2.93	10.0	23.9	0.74	21.3	58.0	69.0
ZP25K5E TFD	2.0	7,385	25,200	2,520	3.8	2.93	10.0	23.9	0.74	20.9	28.0	69.0
ZP25K6E TF5	2.0	7,356	25,100	2,430	7.2	3.03	10.3	23.6	0.74	21.8	58.0	69.0
ZP25K6E TFD	2.0	7,356	25,100	2,430	3.8	3.03	10.3	22.8	0.74	21.8	38.0	69.0
ZP26K3E TF5	2.0	7,473	25,500	2,630	8.0	2.84	9.7	25.2	1.12	27.2	63.0	68.0
ZP26K3E TFD	2.0	7,532	25,700	2,650	4.0	2.84	9.7	25.2	1.12	27.2	31.0	68.0
ZP285KCE TE5	24.0	81,474	278,000	24,800	72.2	3.29	11.2	253.2	6.30	176.9	500.0	89.0
ZP285KCE TE7	24.0	81,474	278,000	24,800	43.7	3.29	11.2	253.2	6.30	177.4	305.0	89.0
ZP285KCE TED	24.0	81,474	278,000	24,800	36.1	3.29	11.2	253.2	6.30	177.4	250.0	89.0
ZP285KCE TW5	24.0	81,474	278,000	24,800	72.2	3.29	11.2	253.2	6.30	176.9	500.0	89.0
ZP285KCE TW7	24.0	81,474	278,000	24,800	43.7	3.29	11.2	253.2	6.30	177.4	305.0	89.0
ZP285KCE TWD	24.0	81,474	278,000	24,800	36.1	3.29	11.2	253.2	6.30	177.4	250.0	89.0
ZP28K5E TF5	2.5	8,177	27,900	2,760	8.3	2.96	10.1	26.7	0.74	21.8	71.0	68.0
ZP28K5E TFD	2.5	8,118	27,700	2,760	4.2	2.94	10.0	26.7	0.74	21.8	38.0	68.0
ZP292KCE TE5	25.0	85,577	292,000	25,400	74.8	3.37	11.5	262.8	4.44	91.6	586.7	85.0
ZP292KCE TE7	25.0	85,577	292,000	25,400	45.2	3.37	11.5	262.8	4.44	91.6	343.1	85.0
ZP292KCE TED	25.0	85,577	292,000	25,400	37.3	3.37	11.5	262.8	4.44	91.6	280.7	85.0
ZP292KZE TE5	25.0	85,577	292,000	25,400	74.8	3.37	11.5	262.8	4.44	91.6	586.7	85.0

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP292KZE TE7	25.0	85,577	292,000	25,400	45.2	3.37	11.5	262.8	4.44	91.6	343.1	85.0
ZP292KZE TED	25.0	85,284	291,000	25,700	37.3	3.32	11.3	262.8	4.44	91.6	280.7	82.0
ZP295KCE TE7	25.0	86,163	294,000	26,600	46.4	3.24	11.1	268.4	6.80	160.1	353.0	90.0
ZP295KCE TED	25.0	86,163	294,000	26,600	38.4	3.24	11.1	268.4	6.80	160.1	272.0	90.0
ZP295KCE TW7	25.0	86,163	294,000	26,600	46.4	3.24	11.1	268.4	6.80	160.1	353.0	90.0
ZP295KCE TWD	25.0	86,163	294,000	26,600	38.4	3.24	11.1	268.4	6.80	160.1	272.0	90.0
ZP296KCE TE5	25.0	87,335	298,000	26,900	77.0	3.25	11.1	267.3	4.50	132.4	605.0	90.0
ZP296KCE TED	25.0	87,335	298,000	26,900	38.3	3.25	11.1	267.3	4.50	132.4	320.0	90.0
ZP296KWE TE5	25.0	93,783	320,000	18,100	51.9	5.18	17.7	267.3	4.50	134.3	533.0	90.0
ZP296KWE TED	25.0	93,783	320,000	18,100	25.8	5.18	17.7	267.3	4.50	134.3	263.0	90.0
ZP29K5E TF5	2.5	8,499	29,000	2,870	8.4	2.96	10.1	27.5	0.74	21.8	71.0	69.0
ZP29K5E TFD	2.5	8,499	29,000	2,870	4.3	2.96	10.1	27.5	0.74	21.8	38.0	69.0
ZP29K6E TF5	2.5	8,528	29,100	2,830	8.1	3.01	10.3	27.5	0.74	21.8	71.0	71.0
ZP29K6E TFD	2.5	8,675	29,600	2,800	4.2	3.10	10.6	27.5	0.74	21.8	38.0	71.0
ZP31K5E TF5	2.5	9,144	31,200	3,060	9.1	2.99	10.2	29.5	0.74	21.8	73.0	69.0
ZP31K5E TFD	2.5	9,144	31,200	3,060	4.6	2.99	10.2	29.5	0.74	21.8	38.0	69.0
ZP31K6E TF5	2.5	9,115	31,100	2,970	8.5	3.07	10.5	29.3	0.74	21.8	73.0	71.0
ZP31K6E TFD	2.5	9,115	31,100	2,970	4.3	3.07	10.5	29.3	0.74	21.8	38.0	71.0
ZP31KSE TF5	2.5	9,144	31,200	3,060	9.1	2.99	10.2	29.5	0.74	21.8	73.0	69.0
ZP31KSE TFD	2.5	9,144	31,200	3,060	4.6	2.99	10.2	29.5	0.74	22.2	38.0	69.0
ZP32K3E TF5	2.5	9,320	31,800	3,250	9.4	2.87	9.8	30.6	1.24	28.1	77.0	70.0
ZP32K3E TFD	2.5	8,939	30,500	3,110	4.7	2.87	9.8	30.6	1.24	28.1	35.0	70.0
ZP34K5E TF5	3.0	10,140	34,600	3,390	10.2	2.99	10.2	32.8	1.24	28.6	88.0	71.0
ZP34K5E TFD	3.0	10,140	34,600	3,390	5.2	2.99	10.2	32.8	1.24	28.6	44.0	71.0
ZP34K6E TF5	3.0	10,140	34,600	3,390	9.2	2.99	10.2	32.8	1.24	32.2	84.0	71.0
ZP34K6E TFD	3.0	10,140	34,600	3,400	4.7	2.98	10.2	32.8	1.24	32.2	44.0	71.0
ZP36K3E TF5	3.0	10,609	36,200	3,620	10.9	2.93	10.0	34.9	1.24	29.9	88.0	70.0
ZP36K3E TFD	3.0	10,433	35,600	3,520	5.3	2.96	10.1	34.9	1.24	29.9	39.0	70.0
ZP36K5E TF5	3.0	10,551	36,000	3,490	10.8	3.02	10.3	34.4	1.24	28.6	88.0	71.0
ZP36K5E TFD	3.0	10,551	36,000	3,490	5.2	3.02	10.3	34.4	1.24	29.0	44.0	71.0
					5.5	3.02	10.3	34.4	1.24	29.0	44.0	71.0
ZP36K6E TF5	3.0	10,756	36,700	3,560	10.1	3.02	10.3	34.4	1.24	28.6	88.0	71.0
ZP36K6E TFD	3.0	10,785	36,800	3,520	5.2	3.06	10.5	34.4	1.24	29.0	44.0	71.0
ZP36KSE TF5	3.0	10,551	36,000	3,490	10.8	3.02	10.3	34.4	1.24	28.6	88.0	71.0
ZP36KSE TFD	3.0	10,551	36,000	3,490	5.5	3.02	10.3	34.4	1.24	29.0	44.0	71.0
ZP36KUE TF5	3.0	10,697	36,500	3,380	11.6	3.16	10.8	34.4	1.24	30.4	130.6	71.0
ZP385KCE TE5	30.0	112,832	385,000	34,700	99.8	3.25	11.1	349.4	6.30	176.9	599.0	89.0
ZP385KCE TE7	30.0	112,832	385,000	34,700	60.4	3.25	11.1	349.4	6.30	176.9	358.0	89.0
ZP385KCE TED	30.0	112,832	385,000	34,700	49.9	3.25	11.1	349.4	6.30	176.9	310.0	89.0
ZP385KCE TW5	30.0	112,832	385,000	34,700	99.8	3.25	11.1	349.4	6.30	176.9	599.0	89.0
ZP385KCE TW7	30.0	112,832	385,000	34,700	60.4	3.25	11.1	349.4	6.30	176.9	358.0	89.0
ZP385KCE TWD	30.0	112,832	385,000	34,700	49.9	3.25	11.1	349.4	6.30	176.9	310.0	89.0
ZP385KPE TWD	30.0	110,781	378,000	34,800	48.6	3.18	10.9	349.4	6.30	176.9	310.0	85.0
ZP385KWE TE5	30.0	121,038	413,000	24,200	68.1	5.00	17.1	349.4	6.30	181.4	710.0	89.0
ZP385KWE TED	30.0	121,038	413,000	24,200	34.2	5.00	17.1	349.4	6.30	181.4	331.0	89.0
ZP38K3E TF5	3.0	11,019	37,600	3,760	10.8	2.93	10.0	36.1	1.24	29.9	88.0	70.0

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP38K3E TFD	3.0	11,019	37,600	3,760	5.4	2.93	10.0	36.1	1.24	29.9	46.0	70.0
ZP38K5E TF5	3.0	11,137	38,000	3,600	10.3	3.09	10.6	35.7	1.24	30.4	83.1	71.0
ZP38K5E TFD	3.0	11,166	38,100	3,630	5.2	3.08	10.5	35.7	1.24	30.4	41.0	68.0
ZP38K6E TF5	3.0	11,137	38,000	3,610	10.4	3.08	10.6	35.7	1.24	30.4	83.1	71.0
ZP38K6E TFD	3.0	11,166	38,100	3,620	5.2	3.08	10.5	35.7	1.24	30.4	41.0	71.0
ZP39K5E TF5	3.5	11,430	39,000	3,750	10.5	3.05	10.4	36.9	1.24	30.4	83.1	71.0
ZP39K5E TFD	3.5	11,430	39,000	3,750	5.2	3.05	10.4	36.9	1.24	30.4	41.0	71.0
ZP40K6E TF5	3.5	11,459	39,100	3,760	10.7	3.05	10.4	37.4	1.24	30.4	83.1	71.0
ZP40K6E TFD	3.5	11,488	39,200	3,750	5.4	3.06	10.5	37.4	1.24	30.4	41.0	71.0
ZP41K3E TF5	3.5	12,075	41,200	4,000	12.0	3.02	10.3	39.3	1.24	29.5	91.0	70.0
ZP41K3E TFD	3.5	11,928	40,700	3,950	6.0	3.02	10.3	39.3	1.24	29.5	46.0	70.0
ZP42K5E TF5	3.5	12,368	42,200	4,020	11.3	3.08	10.5	39.8	1.24	30.4	83.1	71.0
ZP42K5E TFD	3.5	12,280	41,900	4,060	5.5	3.02	10.3	39.8	1.24	30.4	41.0	71.0
ZP42K6E TF5	3.5	12,397	42,300	4,030	11.4	3.08	10.5	39.8	1.24	30.4	83.1	71.0
ZP42K6E TFD	3.5	12,368	42,200	4,020	5.6	3.08	10.5	39.8	1.24	30.4	41.0	71.0
ZP42KSE TF5	3.5	12,368	42,200	4,020	11.3	3.08	10.5	39.8	1.24	30.4	83.1	71.0
ZP42KSE TFD	3.5	12,280	41,900	4,060	5.5	3.02	10.3	39.8	1.24	30.4	41.0	71.0
ZP44K3E TF5	3.5	12,983	44,300	4,230	12.4	3.07	10.5	42.0	1.24	29.5	91.0	70.0
ZP44K3E TFD	3.5	12,983	44,300	4,230	6.2	3.07	10.5	42.0	1.24	29.5	46.0	70.0
ZP44K5E TF5	3.5	13,042	44,500	4,220	12.2	3.09	10.6	42.0	1.24	30.8	98.0	71.0
ZP44K5E TFD	3.5	13,042	44,500	4,220	6.2	3.09	10.6	42.0	1.24	30.8	55.0	71.0
ZP44KSE TF5	3.5	13,042	44,500	4,220	12.2	3.09	10.6	42.0	1.24	30.8	98.0	71.0
ZP44KSE TFD	3.5	13,042	44,500	4,220	6.2	3.09	10.6	42.0	1.24	30.8	55.0	71.0
ZP44KUE TF5	3.5	13,276	45,300	4,190	13.0	3.17	10.8	42.0	1.24	30.4	130.6	71.0
ZP485KCE DE5	40.0	142,139	485,000	43,600	125.0	3.26	11.1	444.4	6.30	190.1	943.0	93.0
ZP485KCE TE7	40.0	142,139	485,000	43,600	75.7	3.26	11.1	444.4	6.30	190.1	564.0	93.0
ZP485KCE TED	40.0	142,139	485,000	43,600	62.4	3.26	11.1	444.4	6.30	190.1	408.0	93.0
ZP485KCE TWD	40.0	142,139	485,000	43,600	62.4	3.26	11.1	444.4	6.30	190.1	408.0	93.0
ZP485KPE TWD	40.0	140,381	479,000	43,600	61.1	3.22	11.0	444.4	6.30	200.0	408.0	89.0
ZP485KWE DE5	40.0	155,621	531,000	30,700	85.3	5.07	17.3	444.4	6.30	192.8	870.0	93.0
ZP485KWE TED	40.0	155,621	531,000	30,700	42.6	5.07	17.3	444.4	6.30	192.8	464.0	93.0
ZP49K5E TF5	4.0	14,566	49,700	4,650	13.4	3.13	10.7	46.4	1.24	32.7	110.0	71.0
ZP49K5E TFD	4.0	14,654	50,000	4,650	6.5	3.15	10.8	46.4	1.24	32.7	52.0	71.0
ZP49K6E TF5	4.0	14,654	50,000	4,660	13.3	3.14	10.7	46.4	1.24	32.7	110.0	71.0
ZP49K6E TFD	4.0	14,654	50,000	4,660	6.6	3.14	10.7	46.4	1.24	32.7	52.0	71.0
ZP49KSE TF5	4.0	14,566	49,700	4,650	13.4	3.13	10.7	46.4	1.24	32.7	110.0	71.0
ZP49KSE TFD	4.0	14,654	50,000	4,650	6.5	3.15	10.8	46.4	1.24	32.7	52.0	71.0
ZP49KUE TF5	4.0	14,507	49,500	4,580	14.3	3.17	10.8	46.0	1.24	29.9	136.8	71.0
ZP50K3E TF5	4.0	15,093	51,500	4,890	14.4	3.09	10.5	48.2	1.95	39.5	123.0	72.0
ZP50K3E TFD	4.0	15,093	51,500	4,890	7.2	3.09	10.5	48.2	1.95	39.5	62.0	72.0
ZP51K5E TF5	4.0	15,328	52,300	4,850	13.6	3.16	10.8	48.2	1.24	32.2	110.0	71.0
ZP51K5E TFD	4.0	15,328	52,300	4,850	6.8	3.16	10.8	48.2	1.24	32.2	52.0	71.0
ZP51K6E TF5	4.0	15,152	51,700	4,800	13.7	3.16	10.8	48.2	1.24	32.2	110.0	71.0
ZP51K6E TFD	4.0	15,152	51,700	4,800	6.8	3.16	10.8	48.2	1.24	32.2	52.0	71.0
ZP51KHE TF5	4.0	15,093	51,500	4,810	13.8	3.14	10.7	48.2	1.24	32.2	110.0	71.0
ZP51KSE TF5	4.0	15,093	51,500	4,810	13.8	3.14	10.7	48.2	1.24	32.2	110.0	71.0

200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZP51KUE	TF5	4.0	15,386	52,500	4,800	15.0	3.21	10.9	47.0	1.24	30.4	136.8	71.0
ZP51KUE	TFD	4.0	15,093	51,500	4,720	7.7	3.20	10.9	47.0	1.24	30.4	72.0	69.0
ZP54K3E	TF5	4.5	15,972	54,500	5,250	16.0	3.04	10.4	51.3	1.95	38.1	137.0	72.0
ZP54K3E	TFD	4.5	15,972	54,500	5,250	7.7	3.04	10.4	51.3	1.95	38.1	62.0	72.0
ZP54K5E	TF5	4.5	15,914	54,300	5,070	14.4	3.14	10.7	51.1	1.24	32.2	110.0	71.0
ZP54K5E	TFD	4.5	15,914	54,300	5,070	7.2	3.14	10.7	51.1	1.24	32.2	52.0	71.0
ZP54K6E	TF5	4.5	15,943	54,400	5,030	14.2	3.17	10.8	51.1	1.24	32.2	110.0	71.0
ZP54K6E	TFD	4.5	15,943	54,400	5,080	7.0	3.14	10.7	51.1	1.24	32.2	52.0	71.0
ZP54KSE	TF5	4.5	15,914	54,300	5,070	14.4	3.14	10.7	51.1	1.24	0.0	110.0	71.0
ZP54KSE	TFD	4.5	15,972	54,500	5,050	7.2	3.16	10.7	51.1	1.24	32.7	52.0	71.0
ZP54KUE	TF5	4.5	15,826	54,000	4,950	15.1	3.20	10.9	49.8	1.24	29.9	136.8	71.0
ZP54KUE	TFD	4.5	15,826	54,000	4,940	7.9	3.20	11.0	49.8	1.24	30.4	72.0	71.0
ZP57K3E	TF5	4.5	16,998	58,000	5,500	16.6	3.09	10.6	54.2	1.66	41.7	155.0	74.0
ZP57K3E	TFD	4.5	16,998	58,000	5,500	8.2	3.09	10.6	54.2	1.66	41.7	75.0	74.0
ZP57K5E	TF5	4.5	16,852	57,500	5,320	15.2	3.17	10.8	53.4	1.24	34.0	136.0	71.0
ZP57K5E	TFD	4.5	16,852	57,500	5,320	7.6	3.17	10.8	53.4	1.24	34.0	66.1	71.0
ZP57KSE	TF5	4.5	16,852	57,500	5,320	15.4	3.17	10.8	53.4	1.24	34.0	136.0	71.0
ZP61K5E	TF5	5.0	18,024	61,500	5,750	16.6	3.13	10.7	57.2	1.24	34.9	136.0	71.0
ZP61K5E	TFD	5.0	18,024	61,500	5,750	8.3	3.13	10.7	57.2	1.24	34.9	66.1	71.0
ZP61KCE	TF5	5.0	18,024	61,500	5,700	16.8	3.16	10.8	58.2	1.66	39.9	123.0	74.0
ZP61KCE	TFD	5.0	18,024	61,500	5,700	8.3	3.16	10.8	58.2	1.66	39.9	62.0	74.0
ZP67KCE	TF5	5.5	19,782	67,500	6,250	18.2	3.17	10.8	62.9	1.77	39.9	149.0	75.0
ZP67KCE	TFD	5.5	19,636	67,000	6,220	9.1	3.16	10.8	62.9	1.77	39.9	75.0	75.0
ZP725KCE	FED	60.0	212,477	725,000	68,400	96.8	3.11	10.6	663.7	6.30	259.9	669.0	N/A
ZP72KCE	TF5	6.0	21,101	72,000	6,750	20.1	3.13	10.7	67.2	1.77	39.9	164.0	75.0
ZP72KCE	TFD	6.0	21,101	72,000	6,750	9.7	3.13	10.7	67.2	1.77	39.9	75.0	75.0
ZP72KTE	TFD	6.0	21,101	72,000	6,750	9.7	3.13	10.7	67.2	1.69	39.9	75.0	75.0
ZP76KCE	TF5	6.0	22,566	77,000	7,060	20.8	3.20	10.9	70.8	1.77	39.5	164.0	75.0
ZP76KCE	TFD	6.0	22,566	77,000	7,060	11.1	3.20	10.9	70.8	1.77	39.5	100.0	75.0
ZP83KCE	TF5	7.0	24,325	83,000	7,650	22.0	3.18	10.8	77.2	1.77	39.5	164.0	75.0
ZP83KCE	TFD	7.0	24,325	83,000	7,650	11.8	3.18	10.8	77.2	1.77	39.5	100.0	75.0
ZP83KFE	TFD	7.0	24,325	83,000	7,800	12.1	3.12	10.6	77.2	1.77	39.5	100.0	75.0
ZP90KCE	TF5	7.5	26,523	90,500	8,350	26.3	3.18	10.8	84.2	2.51	57.6	195.0	77.0
ZP90KCE	TFD	7.5	26,523	90,500	8,370	13.0	3.17	10.8	84.2	2.51	57.6	95.0	77.0
ZP90KQE	TFD	7.5	26,523	90,500	8,350	12.5	3.18	10.8	2081.2	2.63	57.6	95.0	77.0
ZP91KCE	TF5	7.5	26,523	90,500	8,230	24.8	3.22	11.0	84.6	1.77	40.8	191.0	75.0
ZP91KCE	TFD	7.5	26,523	90,500	8,230	12.6	3.22	11.0	84.6	1.77	40.8	100.0	75.0
ZP91KFE	TFD	7.5	26,376	90,000	8,250	12.5	3.20	10.9	84.6	1.77	40.8	100.0	N/A

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
VP103KFE TFP	8.5	25,116	85,700	7,940	14.7	3.16	10.8	96.4	3.25	60.8	74.0	N/A
VP103KSE TFP	8.5	25,204	86,000	7,800	13.7	3.23	11.0	96.4	3.25	59.9	74.0	N/A
VP104K2E TFP	N/A	25,644	87,500	7,970	14.3	3.22	11.0	96.4	2.51	47.6	74.0	N/A
VP104KSE TFP	9.0	25,644	87,500	7,840	14.3	3.27	11.2	96.4	2.51	47.6	74.0	N/A
VP120KFE TFP	10.0	29,307	100,000	9,340	17.6	3.14	10.8	113.6	3.25	62.6	74.0	N/A
VP120KSE TFP	10.0	29,307	100,000	9,110	16.6	3.22	11.0	113.6	3.25	61.2	74.0	N/A
VP122KFE TFP	10.0	29,600	101,000	9,340	17.5	3.17	10.8	112.3	0.00	48.5	74.0	N/A
VP122KSE TFP	10.0	29,893	102,000	9,160	16.6	3.26	11.2	112.3	2.51	48.5	74.0	N/A
VP137KSE TFP	11.5	32,531	111,000	10,200	17.8	3.19	10.9	127.2	3.25	61.2	75.0	N/A
VP143KSE TFP	12.0	35,462	121,000	10,700	19.4	3.31	11.3	132.7	2.75	49.0	72.0	N/A
VP144KFE TFP	N/A	35,462	121,000	11,100	19.8	3.19	10.9	134.7	3.25	60.8	75.0	N/A
VP144KSE TFP	12.0	35,462	121,000	10,800	19.1	3.28	11.2	134.7	3.25	60.8	75.0	N/A
VP154KFE TFP	13.0	36,927	126,000	11,900	21.3	3.10	10.6	142.9	3.25	64.9	76.0	N/A
VP154KSE TFP	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.25	64.9	76.0	N/A
VP182KSE TFP	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.25	66.2	77.0	N/A
VP232KSE TEP	20.0	56,709	193,500	16,850	29.2	3.37	11.5	210.2	4.44	91.6	82.0	N/A
VP28KME TFP	2.5	6,770	23,100	2,310	4.6	2.93	10.0	26.7	0.77	19.5	63.0	N/A
VP292KFE TEP	25.0	71,509	244,000	22,400	42.0	3.19	10.9	262.8	4.44	91.6	82.0	N/A
VP292KSE TEP	25.0	71,509	244,000	21,200	36.8	3.37	11.5	262.8	4.44	91.6	82.0	N/A
VP42KUE TFP	3.5	10,257	35,000	3,300	5.9	3.11	10.6	39.8	1.24	29.9	71.0	N/A
VP51KUE TFP	4.0	12,456	42,500	3,930	7.5	3.17	10.8	47.0	1.24	29.9	69.0	N/A
VP54KUE TFP	4.5	13,188	45,000	4,240	7.9	3.11	10.6	49.8	1.24	29.9	69.0	N/A
VP57KUE TFP	4.5	15,386	52,500	3,860	7.8	3.99	13.6	53.1	1.48	29.9	69.0	N/A
VP61KUE TFP	5.0	16,559	56,500	4,150	8.5	3.99	13.6	57.2	1.48	29.9	69.0	N/A
VP90KSE TFP	7.5	21,834	74,500	6,950	12.3	3.14	10.7	84.2	2.51	56.7	72.0	N/A

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

220V; 50 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
VP28KME PFS	2.5	6,858	23,400	2,320	10.7	2.96	10.1	26.7	0.77	20.0	63.0	N/A

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

High ambient temperature 220-240V; 50Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZJ22KHE PFZ	2.0	5,949	20,300	1,550	7.2	3.84	13.1	20.6	0.77	20.0	53.0	66.0
ZJ25KHE PFZ	2.0	6,594	22,500	1,720	8.2	3.83	13.1	23.3	0.77	20.0	60.0	66.0
ZJ27KHE PFZ	2.0	7,210	24,600	1,880	8.8	3.83	13.1	25.7	0.77	20.0	60.0	66.0
ZJ36KHE PFZ	3.0	9,671	33,000	2,430	11.9	3.98	13.6	34.4	1.24	30.4	102.0	68.0
ZJ39KHE PFZ	3.0	10,463	35,700	2,730	13.6	3.83	13.1	36.9	1.24	30.4	115.0	71.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

High ambient temperature 230V; 60 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZJ17KHE PFB	1.5	5,422	18,500	1,430	6.6	3.79	12.9	16.1	0.77	20.0	67.0	66.0
ZJ22KHE PFB	2.0	7,122	24,300	1,870	8.2	3.81	13.0	20.6	0.77	20.0	82.0	66.0
ZJ25KHE PFB	2.0	8,059	27,500	2,080	9.6	3.87	13.2	23.3	0.77	20.0	82.0	66.0
ZJ27KHE PFB	2.0	8,792	30,000	2,260	10.1	3.89	13.3	25.7	0.77	20.0	80.0	66.0
ZJ34KHE PFB	3.0	10,902	37,200	2,690	12.3	4.05	13.8	31.5	1.24	30.4	116.0	68.0
ZJ36KHE PFB	3.0	11,869	40,500	2,960	13.2	4.01	13.6	34.4	1.24	30.4	112.0	68.0
ZJ39KHE PFB	3.0	12,837	43,800	3,190	14.2	4.02	13.8	36.9	1.24	30.4	112.0	68.0
ZJ42KHE PFB	3.5	13,892	47,400	3,410	15.6	4.07	13.9	39.8	1.24	30.4	128.0	68.0
ZJ44KHE PFB	3.5	14,566	49,700	3,560	16.3	4.09	13.9	42.0	1.24	30.4	128.0	68.0
ZJ49KHE PFB	4.0	15,767	53,800	3,890	17.8	4.05	13.8	46.0	1.24	30.4	138.0	68.0
ZJ51KHE PFB	4.0	16,412	56,000	4,030	18.5	4.07	13.9	48.2	1.24	30.4	138.0	68.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

High ambient temperature 400V; 60Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZJ34KHE TF7	3.0	10,844	37,000	2,700	5.2	4.02	13.7	31.5	1.24	30.4	65.0	71.0
ZJ36KHE TF7	3.0	11,811	40,300	2,940	5.6	4.02	13.7	34.4	1.24	30.4	65.0	71.0
ZJ39KHE TF7	3.0	12,602	43,000	3,140	6.0	4.01	13.7	36.9	1.24	30.4	65.0	71.0
ZJ40KHE TF7	3.5	11,723	40,000	3,640	6.6	3.22	11.0	36.9	1.24	30.4	58.0	68.0
ZJ42KHE TF7	3.5	13,569	46,300	3,340	6.1	4.06	13.9	39.8	1.24	30.4	65.0	71.0
ZJ43KHE TF7	3.5	12,602	43,000	3,870	6.9	3.26	11.1	39.8	1.24	30.4	58.0	68.0
ZJ44KHE TF7	3.5	14,624	49,900	3,570	7.3	4.10	14.0	42.0	1.24	30.4	78.0	71.0
ZJ49KHE TF7	4.0	15,767	53,800	3,920	7.2	4.02	13.8	46.0	1.24	30.4	78.0	71.0
ZJ51KHE TF7	4.0	16,559	56,500	4,030	7.4	4.11	14.0	47.0	1.24	30.4	78.0	71.0
ZJ54KHE TF7	4.5	17,291	59,000	4,240	8.1	4.08	14.0	49.8	1.24	29.9	78.0	71.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

High ambient temperature 380-420V; 50Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZJ36KHE TFM	3.0	9,671	33,000	2,430	4.8	3.98	13.6	34.4	1.24	30.4	55.0	71.0
ZJ42KHE TFM	3.5	11,283	38,500	2,780	5.2	4.06	13.8	39.8	1.24	30.4	55.0	71.0
ZJ44KHE TFM	3.5	11,928	40,700	2,970	5.5	4.02	13.7	42.0	1.24	30.4	55.0	71.0
ZJ51KHE TFM	4.0	13,745	46,900	3,380	6.9	4.07	13.9	47.0	1.24	29.9	72.0	71.0
ZJ54KHE TFM	4.5	14,536	49,600	3,610	7.3	4.03	13.7	49.8	1.24	30.4	72.0	71.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

Copeland scroll compressors

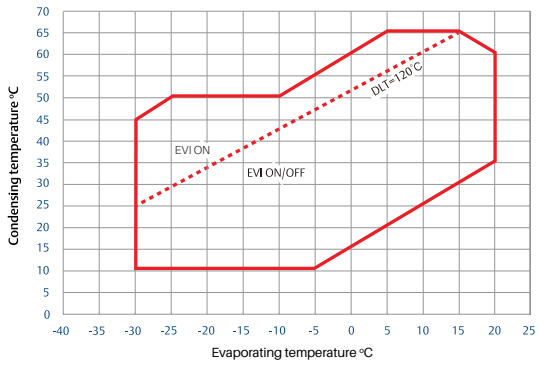
R32 refrigerant series

The R32 Copeland scroll compressor is designed for innovation, reliability and outstanding performance. The industry has set new standards. The superior reliability of Copeland scroll compressors comes from axial and radial flexible design, this innovative design ensures better passage of liquids and impurities by the compressor. Enhanced vapor injection technology (optional) provides system manufacturers with a more flexible option when optimizing system performance and cost.

Features and benefits

- Eliminating the use of chlorine based refrigerants and reducing greenhouse gases
- Inlet gas expansion model expands for low temperature applications, enhancing capacity
- Axial and radial compliance ensures Copeland
- Scroll compressors excellent reliability
- Low noise and vibration levels
- Low oil circulation rate

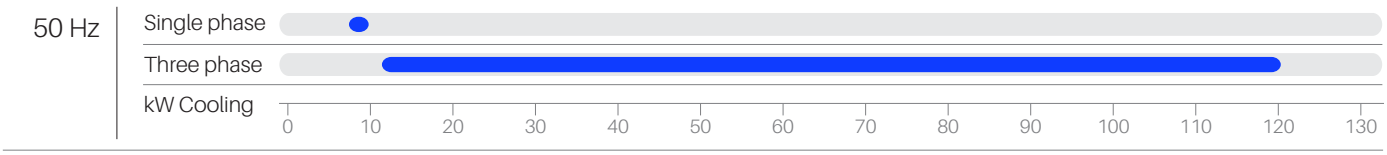
Operating envelopes



Remarks: Please refer to the application guide for the actual operating envelope.

Product line up

R22/R407C



220-240V; 50 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZE36KUE PFZ	3.0	9,583	32,700	2,360	11.0	4.06	13.8	31.5	1.24	33.1	98.0	69.0
ZE39KUE PFZ	3.5	10,521	35,900	2,590	13.5	4.06	13.8	32.9	1.24	33.1	121.5	69.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

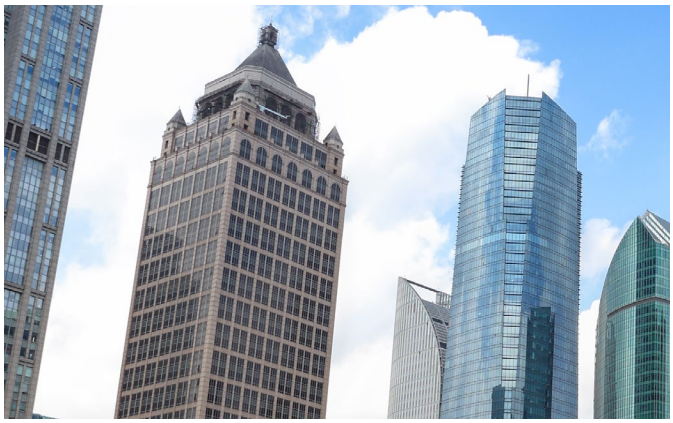
380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZE49KME TFM	4.0	12,016	41,000	3,800	7.0	3.16	10.8	42.0	1.24	30.4	64.1	69.0
ZE49KUE TFM	4.0	13,130	44,800	3,080	5.8	4.26	14.6	42.0	1.24	31.8	56.7	69.0
ZE52KME TFM	4.5	12,690	43,300	4,010	7.4	3.16	10.8	44.6	1.24	29.9	64.1	69.0
ZE52KUE TFM	4.5	14,097	48,100	3,230	6.3	4.36	14.9	44.6	1.24	30.8	72.0	69.0
ZE55KME TFM	4.5	13,364	45,600	4,220	7.7	3.17	10.8	47.0	1.24	29.9	64.1	69.0
ZE65KCE TFM	5.5	16,207	55,300	5,230	9.3	3.10	10.6	58.2	1.89	39.9	68.0	71.0
ZE76KCE TFD	6.5	18,376	62,700	5,850	11.0	3.14	10.7	67.2	1.77	39.9	100.0	72.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

Copeland digital scroll compressor

R22, R407C and R410A refrigerant series



Copeland scroll compressors are perfectly matched for split, rooftops, and chilled water systems. The Copeland digital scroll compressor provides stepless capacity modulation for air conditioning applications and is suitable for R22, R407 and R410A refrigerants.

In many air conditioning and heating applications, the load and operating conditions may vary over a wide range and the ability to quickly adjust to these changes are crucial to maintaining optimal comfort. The Copeland digital scroll is a simple and reliable compressor solution with an energy output that can be adjusted to a minimum of 10% of nominal cooling capacity, meeting the multiple requirements of precise temperature and humidity control, comfort and energy savings.

Efficiency

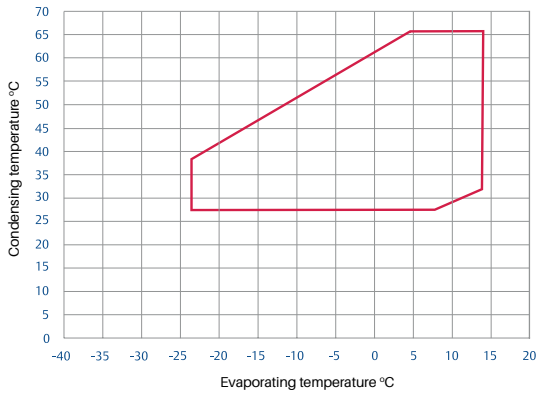
Reliability

Low life cycle cost

Features and benefits

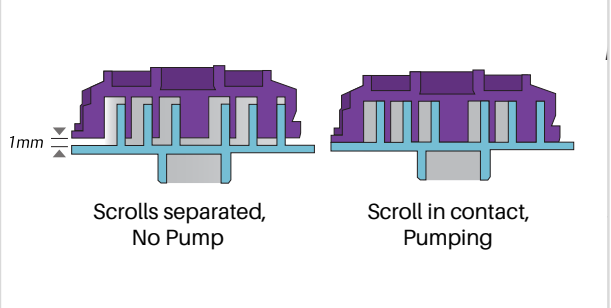
- Wide modulation range from 10%-100% for immediate load adjustment, temperature control and optimum comfort
- Energy efficient operation at part load conditions
- Copeland scroll axial and radial compliance offers excellent reliability and high efficiency
- Less starts/stops
- The fixed speed operation makes the system's oil return management simpler
- Simple system architecture makes for an easier install, commissioning and maintenance, no complicated electronics and no EMI/EMC issues

Operating envelopes



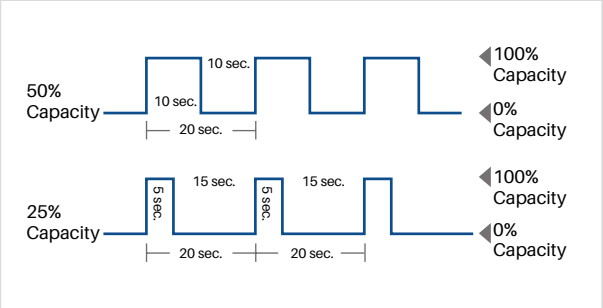
Remarks: Please refer to the application guide for the actual operating envelope.

The modulation mechanism of a Copeland scroll digital compressor



Compressor in loaded state operates as a standard scroll and delivers full capacity and mass flow. During the unloaded state, however, the system delivers no capacity and no mass flow through.

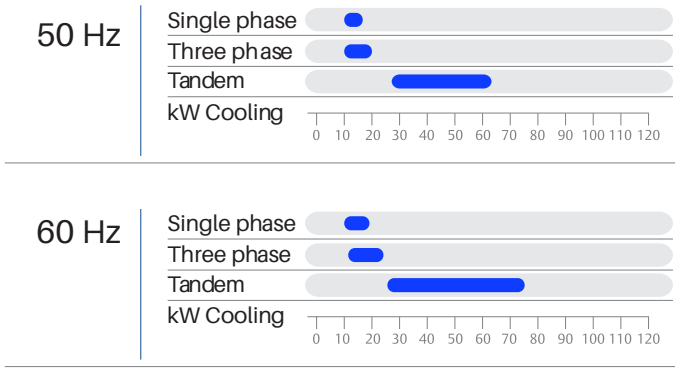
The concept of cycle time



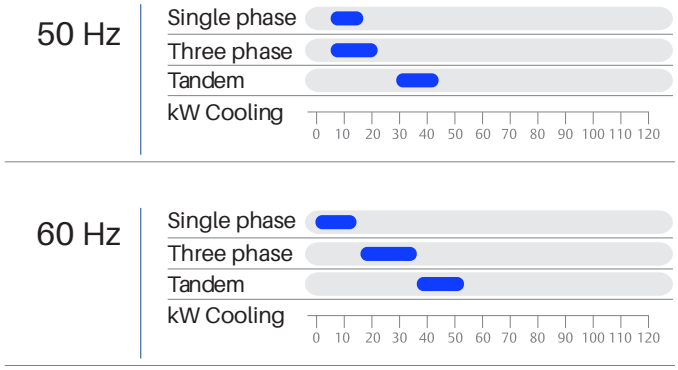
Varying the "loaded state" and the "unloaded state" times,any capacity between 10% and 100% can be delivered by the compressor.

Product line up

R22/R407C



R410A



220-240V; 50 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD42KC PFJ	3.5	4,132	14,100	1,810	11.0	2.28	7.8	57.2	1.24	30.8	97.0	71.0
		10,287	35,100	3,200	15.3	3.21	11.0	57.2	1.24	30.8	97.0	71.0
ZRD48KC PFZ	4.0	4,484	15,300	2,000	9.7	2.24	7.7	65.5	1.36	32.7	125.0	68.0
		11,957	40,800	3,630	16.7	3.29	11.2	65.5	1.36	32.7	125.0	68.0
ZRD61KC PFZ	5.0	5,656	19,300	2,600	15.1	2.18	7.4	82.6	1.89	38.1	150.0	78.0
		14,947	51,000	4,640	22.5	3.22	11.0	82.6	1.89	38.1	150.0	78.0
ZRD68KC PFZ	6.0	6,506	22,200	2,990	15.2	2.18	7.4	93.1	2.01	39.0	142.0	78.0
		16,705	57,000	5,150	23.9	3.24	11.0	93.1	2.01	39.0	142.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

208-230V; 60 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD36KC PFV	3.0	3,956	13,500	1,820	9.9	2.17	7.4	48.0	1.24	29.9	95.0	73.0
		10,551	36,000	3,300	14.5	3.20	10.9	48.0	1.24	29.9	95.0	73.0
ZRD48KC PFV	4.0	5,568	19,000	2,420	12.3	2.30	7.9	65.5	1.48	33.1	137.0	73.0
		14,566	49,700	4,320	19.5	3.37	11.5	65.5	1.48	33.1	137.0	73.0
ZRD49KCE PFV	4.0	5,627	19,200	2,590	13.9	2.17	7.4	67.2	1.89	42.6	129.0	72.0
		14,536	49,600	4,550	20.8	3.19	10.9	67.2	1.89	42.6	129.0	72.0
ZRD49KC PFV	4.0	5,627	19,200	2,590	13.9	2.17	7.4	67.2	1.89	42.6	129.0	72.0
		14,536	49,600	4,550	20.8	3.19	10.9	67.2	1.89	42.6	129.0	72.0
ZRD61KC PFV	5.0	6,770	23,100	3,180	17.4	2.13	7.2	82.6	1.89	38.1	148.0	78.0
		18,170	62,000	5,650	26.1	3.22	10.9	82.6	1.89	38.1	148.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD125KCE TFD	10.0	12,631	43,100	5,150	12.5	2.45	8.4	165.7	3.25	61.7	118.0	75.0
		31,066	106,000	8,700	15.8	3.57	12.1	165.7	3.25	61.7	118.0	75.0
ZRD125KC TFD	10.0	12,631	43,100	5,050	11.9	2.50	8.5	165.7	3.25	61.7	118.0	75.0
		31,066	106,000	8,700	15.8	3.57	12.1	165.7	3.25	61.7	118.0	75.0
ZRD42KC TFD	3.5	3,898	13,300	1,890	4.8	2.06	7.0	57.2	1.24	30.8	46.0	71.0
		10,404	35,500	3,080	5.4	3.38	11.5	57.2	1.24	30.8	46.0	71.0
ZRD48KC TFD	4.0	4,337	14,800	1,850	4.5	2.34	8.0	65.5	1.36	32.7	48.0	75.0
		11,957	40,800	3,510	6.1	3.41	11.6	65.5	1.36	32.7	48.0	75.0
ZRD49KC TFD	4.0	4,484	15,300	1,900	5.4	2.36	8.1	67.2	1.89	42.6	51.5	72.0
		12,045	41,100	3,660	7.1	3.29	11.2	67.2	1.89	42.6	51.5	72.0

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD61KC TFD	5.0	5,774	19,700	2,400	5.5	2.41	8.2	82.6	1.89	38.1	64.0	78.0
		14,947	51,000	4,550	8.1	3.28	11.2	82.6	1.89	38.1	64.0	78.0
ZRD68KC TFD	6.0	6,506	22,200	2,570	6.2	2.53	8.6	93.1	1.89	39.9	74.0	74.0
		17,145	58,500	5,100	8.9	3.36	11.5	93.1	1.89	39.9	74.0	74.0
ZRD72KC TFD	6.0	6,799	23,200	2,800	7.8	2.43	8.3	98.0	1.89	39.9	74.0	74.0
		17,643	60,200	5,330	9.6	3.31	11.3	98.0	1.89	39.9	74.0	74.0
ZRD81KC TFD	7.0	7,620	26,000	3,160	7.8	2.41	8.2	107.8	1.89	40.8	100.0	78.0
		19,929	68,000	6,000	11.1	3.32	11.3	107.8	1.89	40.8	100.0	78.0
ZRD94KCE TFD	8.0	9,847	33,600	4,080	10.0	2.41	8.2	127.2	2.51	57.6	95.0	75.0
		23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.6	95.0	75.0
ZRD94KC TFD	8.0	9,847	33,600	4,080	10.0	2.41	8.2	127.2	2.51	57.6	95.0	75.0
		23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.6	95.0	75.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD125KCE TF5	10.0	14,947	51,000	6,300	23.8	2.37	8.1	165.7	3.25	61.7	239.0	80.0
		37,220	127,000	10,800	32.4	3.45	11.8	165.7	3.25	61.7	239.0	80.0
ZRD125KCE TFD	10.0	14,947	51,000	6,300	11.9	2.37	8.1	165.7	3.25	61.7	125.0	80.0
		37,513	128,000	10,800	16.2	3.47	11.9	165.7	3.25	61.7	125.0	80.0
ZRD125KC TF5	10.0	14,947	51,000	6,400	24.5	2.34	8.0	165.7	3.25	61.7	239.0	80.0
		37,220	127,000	10,800	32.4	3.45	11.8	165.7	3.25	61.7	239.0	80.0
ZRD125KC TF7	10.0	14,800	50,500	6,450	14.9	2.29	7.8	167.1	3.25	61.7	145.0	80.0
		37,513	128,000	10,800	19.6	3.47	11.8	167.1	3.25	61.7	145.0	80.0
ZRD125KC TFD	10.0	14,947	51,000	6,350	12.3	2.35	8.0	165.7	3.25	61.7	125.0	80.0
		37,513	128,000	10,800	16.2	3.47	11.9	165.7	3.25	61.7	125.0	80.0
ZRD36KC TF5	3.0	4,162	14,200	1,670	6.9	2.49	8.5	48.0	1.24	29.9	77.0	73.0
		10,609	36,200	3,120	9.3	3.40	11.6	48.0	1.24	29.9	77.0	73.0
ZRD42KC TFD	3.5	5,041	17,200	2,020	4.1	2.50	8.5	57.2	1.24	30.8	44.0	73.0
		12,749	43,500	3,770	5.5	3.38	11.5	57.2	1.24	30.8	44.0	73.0
ZRD48KC TF5	4.0	5,598	19,100	2,230	8.5	2.51	8.6	65.5	1.36	32.7	110.0	76.0
		14,595	49,800	4,220	12.1	3.46	11.8	65.5	1.36	32.7	110.0	76.0
ZRD48KC TF7	4.0	5,510	18,800	2,340	5.7	2.35	8.0	65.5	1.36	32.7	54.0	76.0
		14,448	49,300	4,320	7.6	3.34	11.4	65.5	1.36	32.7	54.0	76.0
ZRD48KC TFD	4.0	5,275	18,000	2,220	4.5	2.38	8.1	65.5	1.36	32.7	46.0	76.0
		14,595	49,800	4,330	6.2	3.37	11.5	65.5	1.36	32.7	46.0	76.0
ZRD49KC TF5	4.0	5,480	18,700	2,280	10.3	2.40	8.2	67.2	1.89	42.6	115.0	72.0
		14,536	49,600	4,460	13.0	3.26	11.1	67.2	1.89	42.6	115.0	72.0
ZRD49KC TF7	4.0	5,480	18,700	2,280	6.2	2.40	8.2	67.2	1.89	42.6	57.0	72.0
		14,536	49,600	4,460	7.9	3.26	11.1	67.2	1.89	42.6	57.0	72.0
ZRD49KC TFD	4.0	5,480	18,700	2,280	5.1	2.40	8.2	67.2	1.89	42.6	47.5	72.0
		14,536	49,600	4,460	6.5	3.26	11.1	67.2	1.89	42.6	47.5	72.0

R22 220-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD61KC TF5	5.0	6,916	23,600	2,890	11.4	2.39	8.2	82.6	1.89	38.1	137.0	78.0
		18,024	61,500	5,450	16.0	3.31	11.3	82.6	1.89	38.1	137.0	78.0
ZRD61KC TF7	5.0	7,034	24,000	2,990	6.9	2.35	8.0	82.6	1.89	38.1	64.0	78.0
		18,024	61,500	5,550	9.5	3.25	11.1	82.6	1.89	38.1	64.0	78.0
ZRD61KC TFD	5.0	6,916	23,600	2,890	5.7	2.39	8.2	82.6	1.89	38.1	62.0	78.0
		18,024	61,500	5,450	8.0	3.31	11.3	82.6	1.89	38.1	62.0	78.0
ZRD68KC TFD	6.0	7,942	27,100	3,140	6.3	2.53	8.6	93.1	1.89	39.9	75.0	78.0
		20,808	71,000	6,150	8.9	3.38	11.5	93.1	1.89	39.9	75.0	78.0
ZRD72KC TF5	6.0	8,265	28,200	3,390	12.9	2.44	8.3	98.0	1.89	39.9	156.0	74.0
		21,365	72,900	6,460	18.6	3.31	11.3	98.0	1.89	39.9	156.0	74.0
ZRD72KC TF7	6.0	8,265	28,200	3,390	7.8	2.44	8.3	98.0	1.89	39.5	70.0	74.0
		21,365	72,900	6,460	11.3	3.31	11.3	98.0	1.89	39.5	70.0	74.0
ZRD72KC TFD	6.0	8,265	28,200	3,390	6.5	2.44	8.3	98.0	1.89	39.9	70.0	74.0
		21,365	72,900	6,460	9.3	3.31	11.3	98.0	1.89	39.9	70.0	74.0
ZRD81KC TF7	7.0	9,349	31,900	3,890	7.9	2.40	8.2	107.8	1.89	40.8	78.0	78.0
		23,739	81,000	7,400	12.4	3.21	10.9	107.8	1.89	40.8	78.0	78.0
ZRD81KC TFD	7.0	8,880	30,300	4,170	8.8	2.13	7.3	107.8	1.89	40.8	100.0	78.0
		23,885	81,500	7,500	11.7	3.18	10.9	107.8	1.89	40.8	100.0	78.0
ZRD94KCE TFD	8.0	11,635	39,700	5,050	10.2	2.30	7.8	127.2	2.51	57.6	95.0	78.0
		28,281	96,500	8,200	12.8	3.45	11.8	127.2	2.51	57.6	95.0	78.0
ZRD94KC TF5	8.0	11,547	39,400	5,050	19.4	2.29	7.8	127.2	2.51	57.6	195.0	78.0
		28,281	96,500	8,200	25.1	3.45	11.8	127.2	2.51	57.6	195.0	78.0
ZRD94KC TFD	8.0	11,635	39,700	5,050	10.2	2.30	7.8	127.2	2.51	57.6	95.0	78.0
		28,281	96,500	8,300	13.0	3.41	11.6	127.2	2.51	57.6	95.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

R407C 220-240V; 50 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD42KCE PFJ	3.5	3,663	12,500	1,950	15.7	1.88	6.4	57.2	1.24	30.8	97.0	71.0
		10,375	35,400	3,430	16.4	3.02	10.3	57.2	1.24	30.8	97.0	71.0
ZRD42KC PFJ	3.5	4,132	14,100	1,810	11.0	2.28	7.8	57.2	1.24	30.8	97.0	71.0
		10,287	35,100	3,200	15.3	3.21	11.0	57.2	1.24	30.8	97.0	71.0
ZRD48KCE PFZ	4.0	4,513	15,400	2,150	10.5	2.10	7.2	65.5	1.36	32.7	125.0	68.0
		11,254	38,400	3,690	17.1	3.05	10.4	65.5	1.36	32.7	125.0	68.0
ZRD48KC PFZ	4.0	4,484	15,300	2,000	9.7	2.24	7.7	65.5	1.36	32.7	125.0	68.0
		11,957	40,800	3,630	16.7	3.29	11.2	65.5	1.36	32.7	125.0	68.0
ZRD61KCE PFZ	5.0	5,774	19,700	2,620	15.7	2.20	7.6	82.6	1.89	38.1	150.0	78.0
		14,214	48,500	4,750	22.2	2.99	10.2	82.6	1.89	38.1	150.0	78.0
ZRD61KC PFZ	5.0	5,656	19,300	2,600	15.1	2.18	7.4	82.6	1.89	38.1	150.0	78.0
		14,947	51,000	4,640	22.5	3.22	11.0	82.6	1.89	38.1	150.0	78.0
ZRD68KC PFZ	6.0	6,506	22,200	2,990	15.2	2.18	7.4	93.1	2.01	39.0	142.0	78.0
		16,705	57,000	5,150	23.9	3.24	11.0	93.1	2.01	39.0	142.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380V-460V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD125KCE TFD	10.0	11,459	39,100	5,200	11.9	2.20	7.5	165.7	3.25	61.7	118.0	75.0
		12,631	43,100	5,150	12.5	2.45	8.4	165.7	3.25	61.7	118.0	75.0
		30,772	105,000	9,250	16.5	3.33	11.4	165.7	3.25	61.7	118.0	75.0
		31,066	106,000	8,700	15.8	3.57	12.1	165.7	3.25	61.7	118.0	75.0
ZRD125KC TFD	10.0	12,631	43,100	5,050	11.9	2.50	8.5	165.7	3.25	61.7	118.0	75.0
		31,066	106,000	8,700	15.8	3.57	12.1	165.7	3.25	61.7	118.0	75.0
ZRD36KCE TFD	3.0	8,440	28,800	2,610	4.6	3.23	11.1	48.0	1.24	27.2	38.0	73.0
ZRD42KCE TFD	3.5	3,927										
		9,994	34,100	3,130	5.6	3.19	10.9	57.2	1.24	30.8	46.0	73.0
ZRD42KC TFD	3.5	3,898	13,300	1,890	4.8	2.06	7.0	57.2	1.24	30.8	46.0	71.0
		10,404	35,500	3,080	5.4	3.38	11.5	57.2	1.24	30.8	46.0	71.0
ZRD48KCE TFD	4.0	4,367	14,900	1,990	4.8	2.19	7.5	65.5	1.36	32.7	48.0	75.0
		12,075	41,200	3,780	6.6	3.19	10.9	65.5	1.36	32.7	48.0	75.0
ZRD48KC TFD	4.0	4,337	14,800	1,850	4.5	2.34	8.0	65.5	1.36	32.7	48.0	75.0
		11,957	40,800	3,510	6.1	3.41	11.6	65.5	1.36	32.7	48.0	75.0
ZRD49KCE TFD	4.0	4,543	15,500	2,040	5.8	2.23	7.6	67.2	1.89	42.6	51.5	72.0
		11,225	38,300	3,700	6.9	3.03	10.4	67.2	1.89	42.6	51.5	72.0
ZRD49KC TFD	4.0	4,484	15,300	1,900	5.4	2.36	8.1	67.2	1.89	42.6	51.5	72.0
		12,045	41,100	3,660	7.1	3.29	11.2	67.2	1.89	42.6	51.5	72.0
ZRD61KCE TFD	5.0	5,407	18,450	2,450	5.5	2.21	7.6	82.6	1.89	38.1	64.0	78.0
		14,155	48,300	4,610	8.1	3.07	10.5	82.6	1.89	38.1	64.0	78.0
ZRD61KC TFD	5.0	5,774	19,700	2,400	5.5	2.41	8.2	82.6	1.89	38.1	64.0	78.0
		14,947	51,000	4,550	8.1	3.28	11.2	82.6	1.89	38.1	64.0	78.0
ZRD68KCE TFD	6.0	6,448	22,000	2,740	6.4	2.35	8.0	93.1	1.89	39.9	74.0	74.0
		15,679	53,500	5,200	9.2	3.02	10.3	93.1	1.89	39.9	74.0	74.0
ZRD68KC TFD	6.0	6,506	22,200	2,570	6.2	2.53	8.6	93.1	1.89	39.9	74.0	74.0
		17,145	58,500	5,100	8.9	3.36	11.5	93.1	1.89	39.9	74.0	74.0
ZRD72KCE TFD	6.0	6,653	22,700	2,780	8.1	2.39	8.2	98.0	1.89	39.9	74.0	74.0
		16,852	57,500	5,350	9.3	3.15	10.7	98.0	1.89	39.9	74.0	74.0
ZRD72KC TFD	6.0	6,799	23,200	2,800	7.8	2.43	8.3	98.0	1.89	39.9	74.0	74.0
		17,643	60,200	5,330	9.6	3.31	11.3	98.0	1.89	39.9	74.0	74.0
ZRD81KCE TFD	7.0	7,327	25,000	3,230	8.1	2.27	7.8	107.8	1.89	40.8	100.0	78.0
		20,075	68,500	6,450	12.0	3.11	10.6	107.8	1.89	40.8	100.0	78.0
ZRD81KC TFD	7.0	7,620	26,000	3,160	7.8	2.41	8.2	107.8	1.89	40.8	100.0	78.0
		19,929	68,000	6,000	11.1	3.32	11.3	107.8	1.89	40.8	100.0	78.0
ZRD94KCE TFD	8.0	9,202	31,400	4,080	9.9	2.26	7.7	127.2	2.51	57.6	95.0	75.0
		9,847	33,600	4,080	10.0	2.41	8.2	127.2	2.51	57.6	95.0	75.0
		22,127	75,500	6,750	12.5	3.28	11.2	127.2	2.51	57.6	95.0	75.0
		23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.6	95.0	75.0
ZRD94KC TFD	8.0	9,847	33,600	4,080	10.0	2.41	8.2	127.2	2.51	57.6	95.0	75.0
		23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.6	95.0	75.0
ZRD94KQE TFD	8.0	9,202	31,400	4,080	9.9	2.26	7.7	127.2	2.51	58.1	95.0	75.0
		22,127	75,500	6,750	12.5	3.28	11.2	127.2	2.51	58.1	95.0	75.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD125KCE TF5	10.0	13,393	45,700	6,450	24.2	2.08	7.1	165.7	3.25	61.7	239.0	80.0
		14,947	51,000	6,300	23.8	2.37	8.1	165.7	3.25	61.7	239.0	80.0
		35,755	122,000	10,900	32.0	3.28	11.2	165.7	3.25	61.7	239.0	80.0
		37,220	127,000	10,800	32.4	3.45	11.8	165.7	3.25	61.7	239.0	80.0
ZRD125KCE TF7	10.0	14,273	48,700	6,750	15.5	2.11	7.2	167.1	3.25	61.7	145.0	80.0
		35,755	122,000	10,900	20.4	3.28	11.2	167.1	3.25	61.7	145.0	80.0
ZRD125KCE TFD	10.0	13,598	46,400	6,450	12.4	2.11	7.2	165.7	3.25	61.7	125.0	80.0
		14,947	51,000	6,300	11.9	2.37	8.1	165.7	3.25	61.7	125.0	80.0
		35,755	122,000	10,900	15.8	3.28	11.1	165.7	3.25	61.7	125.0	80.0
		37,513	128,000	10,800	16.2	3.47	11.9	165.7	3.25	61.7	125.0	80.0
ZRD125KC TF5	10.0	14,947	51,000	6,400	24.5	2.34	8.0	165.7	3.25	61.7	239.0	80.0
		37,220	127,000	10,800	32.4	3.45	11.8	165.7	3.25	61.7	239.0	80.0
ZRD125KC TF7	10.0	14,800	50,500	6,450	14.9	2.29	7.8	167.1	3.25	61.7	145.0	80.0
		37,513	128,000	10,800	19.6	3.47	11.8	167.1	3.25	61.7	145.0	80.0
ZRD125KC TFD	10.0	14,947	51,000	6,350	12.3	2.35	8.0	165.7	3.25	61.7	125.0	80.0
		37,513	128,000	10,800	16.2	3.47	11.9	165.7	3.25	61.7	125.0	80.0
ZRD36KCE TF5	3.0	4,191	14,300	1,800	7.4	2.33	8.0	48.0	1.24	29.9	77.0	73.0
		10,199	34,800	3,160	9.7	3.23	11.0	48.0	1.24	29.9	77.0	73.0
ZRD36KCE TF7	3.0	10,170	34,700	3,150	5.5	3.23	11.0	48.0	1.24	26.8	38.0	73.0
ZRD36KC TF5	3.0	4,162	14,200	1,670	6.9	2.49	8.5	48.0	1.24	29.9	77.0	73.0
		10,609	36,200	3,120	9.3	3.40	11.6	48.0	1.24	29.9	77.0	73.0
ZRD42KCE TFD	3.5	5,099	17,400	2,140	4.5	2.38	8.1	57.2	1.24	30.8	44.0	76.0
				2,160	4.5	2.36	8.0	57.2	1.24	30.8	44.0	76.0
		12,045	41,100	3,780	5.6	3.19	10.9	57.2	1.24	30.8	44.0	76.0
		12,221	41,700	3,960	7.0	3.09	10.5	57.2	1.24	30.8	44.0	76.0
ZRD42KC TFD	3.5	5,041	17,200	2,020	4.1	2.50	8.5	57.2	1.24	30.8	44.0	73.0
		12,749	43,500	3,770	5.5	3.38	11.5	57.2	1.24	30.8	44.0	73.0
ZRD48KCE TF5	4.0	5,129	17,500	2,150	6.9	2.39	8.2	65.5	1.36	32.7	110.0	76.0
		13,921	47,500	4,260	10.0	3.27	11.1	65.5	1.36	32.7	110.0	76.0
ZRD48KCE TF7	4.0	5,656	19,300	2,560	7.0	2.21	7.5	65.5	1.36	32.7	54.0	76.0
		14,566	49,700	4,640	8.1	3.14	10.7	65.5	1.36	32.7	54.0	76.0
ZRD48KCE TFD	4.0	5,334	18,200	2,390	4.8	2.23	7.6	65.5	1.36	32.7	46.0	76.0
		14,067	48,000	4,400	6.4	3.20	10.9	65.5	1.36	32.7	46.0	76.0
ZRD48KC TF5	4.0	5,598	19,100	2,230	8.5	2.51	8.6	65.5	1.36	32.7	110.0	76.0
		14,595	49,800	4,220	12.1	3.46	11.8	65.5	1.36	32.7	110.0	76.0
ZRD48KC TF7	4.0	5,510	18,800	2,340	5.7	2.35	8.0	65.5	1.36	32.7	54.0	76.0
		14,448	49,300	4,320	7.6	3.34	11.4	65.5	1.36	32.7	54.0	76.0
ZRD48KC TFD	4.0	5,275	18,000	2,220	4.5	2.38	8.1	65.5	1.36	32.7	46.0	76.0
		14,595	49,800	4,330	6.2	3.37	11.5	65.5	1.36	32.7	46.0	76.0
ZRD49KCE TF5	4.0	5,158	17,600	2,350	10.5	2.19	7.5	67.2	1.89	42.6	115.0	72.0
		13,540	46,200	4,540	13.3	2.98	10.2	67.2	1.89	42.6	115.0	72.0
ZRD49KCE TF7	4.0	5,158	17,600	2,350	6.4	2.19	7.5	67.2	1.89	42.6	57.0	72.0
		13,540	46,200	4,540	8.1	2.98	10.2	67.2	1.89	42.6	57.0	72.0
ZRD49KCE TFD	4.0	5,158	17,600	2,350	5.3	2.19	7.5	67.2	1.89	42.6	47.5	72.0
		13,540	46,200	4,540	6.7	2.98	10.2	67.2	1.89	42.6	47.5	72.0

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD49KC TF5	4.0	5,480	18,700	2,280	10.3	2.40	8.2	67.2	1.89	42.6	115.0	72.0
		14,536	49,600	4,460	13.0	3.26	11.1	67.2	1.89	42.6	115.0	72.0
ZRD49KC TF7	4.0	5,480	18,700	2,280	6.2	2.40	8.2	67.2	1.89	42.6	57.0	72.0
		14,536	49,600	4,460	7.9	3.26	11.1	67.2	1.89	42.6	57.0	72.0
ZRD49KC TFD	4.0	5,480	18,700	2,280	5.1	2.40	8.2	67.2	1.89	42.6	47.5	72.0
		14,536	49,600	4,460	6.5	3.26	11.1	67.2	1.89	42.6	47.5	72.0
ZRD61KCE TF5	5.0	7,034	24,000	3,060	12.4	2.30	7.9	82.6	1.89	38.1	137.0	78.0
		17,438	59,500	5,740	16.9	3.04	10.4	82.6	1.89	38.1	137.0	78.0
ZRD61KCE TF7	5.0	6,975	23,800	3,100	7.5	2.25	7.7	82.6	1.89	38.1	64.0	78.0
		17,438	59,500	5,740	10.3	3.04	10.4	82.6	1.89	38.1	64.0	78.0
ZRD61KCE TFD	5.0	7,034	24,000	3,060	6.2	2.30	7.9	82.6	1.89	38.1	62.0	78.0
		17,438	59,500	5,740	8.5	3.04	10.4	82.6	1.89	38.1	62.0	78.0
ZRD61KC TF5	5.0	6,916	23,600	2,890	11.4	2.39	8.2	82.6	1.89	38.1	137.0	78.0
		18,024	61,500	5,450	16.0	3.31	11.3	82.6	1.89	38.1	137.0	78.0
ZRD61KC TF7	5.0	7,034	24,000	2,990	6.9	2.35	8.0	82.6	1.89	38.1	64.0	78.0
		18,024	61,500	5,550	9.5	3.25	11.1	82.6	1.89	38.1	64.0	78.0
ZRD61KC TFD	5.0	6,916	23,600	2,890	5.7	2.39	8.2	82.6	1.89	38.1	62.0	78.0
		18,024	61,500	5,450	8.0	3.31	11.3	82.6	1.89	38.1	62.0	78.0
ZRD68KCE TFD	6.0	7,737	26,400	3,190	7.5	2.43	8.3	93.1	1.89	39.9	75.0	78.0
		19,489	66,500	6,250	9.1	3.12	10.6	93.1	1.89	39.9	75.0	78.0
ZRD68KC TFD	6.0	7,942	27,100	3,140	6.3	2.53	8.6	93.1	1.89	39.9	75.0	78.0
		20,808	71,000	6,150	8.9	3.38	11.5	93.1	1.89	39.9	75.0	78.0
ZRD72KCE TF5	6.0	8,616	29,400	3,740	16.5	2.30	7.9	98.0	1.89	39.9	156.0	78.0
		20,662	70,500	6,550	19.0	3.15	10.8	98.0	1.89	39.9	156.0	78.0
ZRD72KCE TF7	6.0	8,616	29,400	3,740	10.0	2.30	7.9	98.0	1.89	39.5	70.0	78.0
		20,662	70,500	6,550	11.5	3.15	10.8	98.0	1.89	39.5	70.0	78.0
ZRD72KCE TFD	6.0	8,616	29,400	3,740	8.3	2.30	7.9	98.0	1.89	39.9	70.0	78.0
		20,662	70,500	6,550	9.5	3.15	10.8	98.0	1.89	39.9	70.0	78.0
ZRD72KC TF5	6.0	8,265	28,200	3,390	12.9	2.44	8.3	98.0	1.89	39.9	156.0	74.0
		21,365	72,900	6,460	18.6	3.31	11.3	98.0	1.89	39.9	156.0	74.0
ZRD72KC TF7	6.0	8,265	28,200	3,390	7.8	2.44	8.3	98.0	1.89	39.5	70.0	74.0
		21,365	72,900	6,460	11.3	3.31	11.3	98.0	1.89	39.5	70.0	74.0
ZRD72KC TFD	6.0	8,265	28,200	3,390	6.5	2.44	8.3	98.0	1.89	39.9	70.0	74.0
		21,365	72,900	6,460	9.3	3.31	11.3	98.0	1.89	39.9	70.0	74.0
ZRD81KCE TF7	7.0	9,613	32,800	4,210	9.3	2.28	7.8	107.8	1.89	40.8	78.0	78.0
		24,178	82,500	7,950	10.9	3.04	10.4	107.8	1.89	40.8	78.0	78.0
ZRD81KCE TFD	7.0	8,353	28,500	4,270	9.3	1.96	6.7	107.8	1.89	40.8	100.0	78.0
		22,860	78,000	7,700	12.2	2.97	10.2	107.8	1.89	40.8	100.0	78.0
ZRD81KC TF7	7.0	9,349	31,900	3,890	7.9	2.40	8.2	107.8	1.89	40.8	78.0	78.0
		23,739	81,000	7,400	12.4	3.21	10.9	107.8	1.89	40.8	78.0	78.0
ZRD81KC TFD	7.0	8,880	30,300	4,170	8.8	2.13	7.3	107.8	1.89	40.8	100.0	78.0
		23,885	81,500	7,500	11.7	3.18	10.9	107.8	1.89	40.8	100.0	78.0
ZRD94KCE TF5	8.0	10,961	37,400	5,050	18.8	2.17	7.4	127.2	2.51	57.6	195.0	78.0
		26,963	92,000	8,350	25.8	3.23	11.0	127.2	2.51	57.6	195.0	78.0

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD94KCE TFD	8.0	10,873	37,100	5,100	10.2	2.13	7.3	127.2	2.51	57.6	95.0	78.0
		11,635	39,700	5,050	10.2	2.30	7.8	127.2	2.51	57.6	95.0	78.0
		26,963	92,000	8,350	12.8	3.23	11.0	127.2	2.51	57.6	95.0	78.0
		28,281	96,500	8,200	12.8	3.45	11.8	127.2	2.51	57.6	95.0	78.0
ZRD94KC TF5	8.0	11,547	39,400	5,050	19.4	2.29	7.8	127.2	2.51	57.6	195.0	78.0
		28,281	96,500	8,200	25.1	3.45	11.8	127.2	2.51	57.6	195.0	78.0
ZRD94KC TFD	8.0	11,635	39,700	5,050	10.2	2.30	7.8	127.2	2.51	57.6	95.0	78.0
		28,281	96,500	8,300	13.0	3.41	11.6	127.2	2.51	57.6	95.0	78.0
ZRD94KQE TFD	8.0	10,873	37,100	5,100	10.2	2.13	7.3	127.2	2.51	58.1	95.0	78.0
		26,963	92,000	8,350	12.8	3.23	11.0	127.2	2.51	58.1	95.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-240V; 50 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD42KCE PFJ	3.5	3,663	12,500	1,950	15.7	1.88	6.4	57.2	1.24	30.8	97.0	71.0
		10,375	35,400	3,430	16.4	3.02	10.3	57.2	1.24	30.8	97.0	71.0
ZRD42KC PFJ	3.5	4,132	14,100	1,810	11.0	2.28	7.8	57.2	1.24	30.8	97.0	71.0
		10,287	35,100	3,200	15.3	3.21	11.0	57.2	1.24	30.8	97.0	71.0
ZRD48KCE PFZ	4.0	4,513	15,400	2,150	10.5	2.10	7.2	65.5	1.36	32.7	125.0	68.0
		11,254	38,400	3,690	17.1	3.05	10.4	65.5	1.36	32.7	125.0	68.0
ZRD48KC PFZ	4.0	4,484	15,300	2,000	9.7	2.24	7.7	65.5	1.36	32.7	125.0	68.0
		11,957	40,800	3,630	16.7	3.29	11.2	65.5	1.36	32.7	125.0	68.0
ZRD61KCE PFZ	5.0	5,774	19,700	2,620	15.7	2.20	7.6	82.6	1.89	38.1	150.0	78.0
		14,214	48,500	4,750	22.2	2.99	10.2	82.6	1.89	38.1	150.0	78.0
ZRD61KC PFZ	5.0	5,656	19,300	2,600	15.1	2.18	7.4	82.6	1.89	38.1	150.0	78.0
		14,947	51,000	4,640	22.5	3.22	11.0	82.6	1.89	38.1	150.0	78.0
ZRD68KC PFZ	6.0	6,506	22,200	2,990	15.2	2.18	7.4	93.1	2.01	39.0	142.0	78.0
		16,705	57,000	5,150	23.9	3.24	11.0	93.1	2.01	39.0	142.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD125KCE TFD	10.0	11,459	39,100	5,200	11.9	2.20	7.5	165.7	3.25	61.7	118.0	75.0
		12,631	43,100	5,150	12.5	2.45	8.4	165.7	3.25	61.7	118.0	75.0
		30,772	105,000	9,250	16.5	3.33	11.4	165.7	3.25	61.7	118.0	75.0
		31,066	106,000	8,700	15.8	3.57	12.1	165.7	3.25	61.7	118.0	75.0
ZRD125KC TFD	10.0	12,631	43,100	5,050	11.9	2.50	8.5	165.7	3.25	61.7	118.0	75.0
		31,066	106,000	8,700	15.8	3.57	12.1	165.7	3.25	61.7	118.0	75.0
ZRD36KCE TFD	3.0	8,440	28,800	2,610	4.6	3.23	11.1	48.0	1.24	27.2	38.0	73.0

380V-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD42KCE TFD	3.5	3,927										
		9,994	34,100	3,130	5.6	3.19	10.9	57.2	1.24	30.8	46.0	73.0
ZRD42KC TFD	3.5	3,898	13,300	1,890	4.8	2.06	7.0	57.2	1.24	30.8	46.0	71.0
		10,404	35,500	3,080	5.4	3.38	11.5	57.2	1.24	30.8	46.0	71.0
ZRD48KCE TFD	4.0	4,367	14,900	1,990	4.8	2.19	7.5	65.5	1.36	32.7	48.0	75.0
		12,075	41,200	3,780	6.6	3.19	10.9	65.5	1.36	32.7	48.0	75.0
ZRD48KC TFD	4.0	4,337	14,800	1,850	4.5	2.34	8.0	65.5	1.36	32.7	48.0	75.0
		11,957	40,800	3,510	6.1	3.41	11.6	65.5	1.36	32.7	48.0	75.0
ZRD49KCE TFD	4.0	4,543	15,500	2,040	5.8	2.23	7.6	67.2	1.89	42.6	51.5	72.0
		11,225	38,300	3,700	6.9	3.03	10.4	67.2	1.89	42.6	51.5	72.0
ZRD49KC TFD	4.0	4,484	15,300	1,900	5.4	2.36	8.1	67.2	1.89	42.6	51.5	72.0
		12,045	41,100	3,660	7.1	3.29	11.2	67.2	1.89	42.6	51.5	72.0
ZRD61KCE TFD	5.0	5,407	18,450	2,450	5.5	2.21	7.6	82.6	1.89	38.1	64.0	78.0
		14,155	48,300	4,610	8.1	3.07	10.5	82.6	1.89	38.1	64.0	78.0
ZRD61KC TFD	5.0	5,774	19,700	2,400	5.5	2.41	8.2	82.6	1.89	38.1	64.0	78.0
		14,947	51,000	4,550	8.1	3.28	11.2	82.6	1.89	38.1	64.0	78.0
ZRD68KCE TFD	6.0	6,448	22,000	2,740	6.4	2.35	8.0	93.1	1.89	39.9	74.0	74.0
		15,679	53,500	5,200	9.2	3.02	10.3	93.1	1.89	39.9	74.0	74.0
ZRD68KC TFD	6.0	6,506	22,200	2,570	6.2	2.53	8.6	93.1	1.89	39.9	74.0	74.0
		17,145	58,500	5,100	8.9	3.36	11.5	93.1	1.89	39.9	74.0	74.0
ZRD72KCE TFD	6.0	6,653	22,700	2,780	8.1	2.39	8.2	98.0	1.89	39.9	74.0	74.0
		16,852	57,500	5,350	9.3	3.15	10.7	98.0	1.89	39.9	74.0	74.0
ZRD72KC TFD	6.0	6,799	23,200	2,800	7.8	2.43	8.3	98.0	1.89	39.9	74.0	74.0
		17,643	60,200	5,330	9.6	3.31	11.3	98.0	1.89	39.9	74.0	74.0
ZRD81KCE TFD	7.0	7,327	25,000	3,230	8.1	2.27	7.8	107.8	1.89	40.8	100.0	78.0
		20,075	68,500	6,450	12.0	3.11	10.6	107.8	1.89	40.8	100.0	78.0
ZRD81KC TFD	7.0	7,620	26,000	3,160	7.8	2.41	8.2	107.8	1.89	40.8	100.0	78.0
		19,929	68,000	6,000	11.1	3.32	11.3	107.8	1.89	40.8	100.0	78.0
ZRD94KCE TFD	8.0	9,202	31,400	4,080	9.9	2.26	7.7	127.2	2.51	57.6	95.0	75.0
		9,847	33,600	4,080	10.0	2.41	8.2	127.2	2.51	57.6	95.0	75.0
		22,127	75,500	6,750	12.5	3.28	11.2	127.2	2.51	57.6	95.0	75.0
		23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.6	95.0	75.0
ZRD94KC TFD	8.0	9,847	33,600	4,080	10.0	2.41	8.2	127.2	2.51	57.6	95.0	75.0
		23,299	79,500	6,750	12.5	3.45	11.8	127.2	2.51	57.6	95.0	75.0
ZRD94KQE TFD	8.0	9,202	31,400	4,080	9.9	2.26	7.7	127.2	2.51	58.1	95.0	75.0
		22,127	75,500	6,750	12.5	3.28	11.2	127.2	2.51	58.1	95.0	75.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD125KCE TF5	10.0	13,393	45,700	6,450	24.2	2.08	7.1	165.7	3.25	61.7	239.0	80.0
		14,947	51,000	6,300	23.8	2.37	8.1	165.7	3.25	61.7	239.0	80.0
		35,755	122,000	10,900	32.0	3.28	11.2	165.7	3.25	61.7	239.0	80.0
		37,220	127,000	10,800	32.4	3.45	11.8	165.7	3.25	61.7	239.0	80.0
ZRD125KCE TF7	10.0	14,273	48,700	6,750	15.5	2.11	7.2	167.1	3.25	61.7	145.0	80.0
		35,755	122,000	10,900	20.4	3.28	11.2	167.1	3.25	61.7	145.0	80.0
ZRD125KCE TFD	10.0	13,598	46,400	6,450	12.4	2.11	7.2	165.7	3.25	61.7	125.0	80.0
		14,947	51,000	6,300	11.9	2.37	8.1	165.7	3.25	61.7	125.0	80.0
		35,755	122,000	10,900	15.8	3.28	11.1	165.7	3.25	61.7	125.0	80.0
		37,513	128,000	10,800	16.2	3.47	11.9	165.7	3.25	61.7	125.0	80.0
ZRD125KC TF5	10.0	14,947	51,000	6,400	24.5	2.34	8.0	165.7	3.25	61.7	239.0	80.0
		37,220	127,000	10,800	32.4	3.45	11.8	165.7	3.25	61.7	239.0	80.0
ZRD125KC TF7	10.0	14,800	50,500	6,450	14.9	2.29	7.8	167.1	3.25	61.7	145.0	80.0
		37,513	128,000	10,800	19.6	3.47	11.8	167.1	3.25	61.7	145.0	80.0
ZRD125KC TFD	10.0	14,947	51,000	6,350	12.3	2.35	8.0	165.7	3.25	61.7	125.0	80.0
		37,513	128,000	10,800	16.2	3.47	11.9	165.7	3.25	61.7	125.0	80.0
ZRD36KCE TF5	3.0	4,191	14,300	1,800	7.4	2.33	8.0	48.0	1.24	29.9	77.0	73.0
		10,199	34,800	3,160	9.7	3.23	11.0	48.0	1.24	29.9	77.0	73.0
ZRD36KCE TF7	3.0	10,170	34,700	3,150	5.5	3.23	11.0	48.0	1.24	26.8	38.0	73.0
ZRD36KC TF5	3.0	4,162	14,200	1,670	6.9	2.49	8.5	48.0	1.24	29.9	77.0	73.0
		10,609	36,200	3,120	9.3	3.40	11.6	48.0	1.24	29.9	77.0	73.0
ZRD42KCE TFD	3.5	5,099	17,400	2,140	4.5	2.38	8.1	57.2	1.24	30.8	44.0	76.0
				2,160	4.5	2.36	8.0	57.2	1.24	30.8	44.0	76.0
		12,045	41,100	3,780	5.6	3.19	10.9	57.2	1.24	30.8	44.0	76.0
		12,221	41,700	3,960	7.0	3.09	10.5	57.2	1.24	30.8	44.0	76.0
ZRD42KC TFD	3.5	5,041	17,200	2,020	4.1	2.50	8.5	57.2	1.24	30.8	44.0	73.0
		12,749	43,500	3,770	5.5	3.38	11.5	57.2	1.24	30.8	44.0	73.0
ZRD48KCE TF5	4.0	5,129	17,500	2,150	6.9	2.39	8.2	65.5	1.36	32.7	110.0	76.0
		13,921	47,500	4,260	10.0	3.27	11.1	65.5	1.36	32.7	110.0	76.0
ZRD48KCE TF7	4.0	5,656	19,300	2,560	7.0	2.21	7.5	65.5	1.36	32.7	54.0	76.0
		14,566	49,700	4,640	8.1	3.14	10.7	65.5	1.36	32.7	54.0	76.0
ZRD48KCE TFD	4.0	5,334	18,200	2,390	4.8	2.23	7.6	65.5	1.36	32.7	46.0	76.0
		14,067	48,000	4,400	6.4	3.20	10.9	65.5	1.36	32.7	46.0	76.0
ZRD48KC TF5	4.0	5,598	19,100	2,230	8.5	2.51	8.6	65.5	1.36	32.7	110.0	76.0
		14,595	49,800	4,220	12.1	3.46	11.8	65.5	1.36	32.7	110.0	76.0
ZRD48KC TF7	4.0	5,510	18,800	2,340	5.7	2.35	8.0	65.5	1.36	32.7	54.0	76.0
		14,448	49,300	4,320	7.6	3.34	11.4	65.5	1.36	32.7	54.0	76.0
ZRD48KC TFD	4.0	5,275	18,000	2,220	4.5	2.38	8.1	65.5	1.36	32.7	46.0	76.0
		14,595	49,800	4,330	6.2	3.37	11.5	65.5	1.36	32.7	46.0	76.0
ZRD49KCE TF5	4.0	5,158	17,600	2,350	10.5	2.19	7.5	67.2	1.89	42.6	115.0	72.0
		13,540	46,200	4,540	13.3	2.98	10.2	67.2	1.89	42.6	115.0	72.0
ZRD49KCE TF7	4.0	5,158	17,600	2,350	6.4	2.19	7.5	67.2	1.89	42.6	57.0	72.0
		13,540	46,200	4,540	8.1	2.98	10.2	67.2	1.89	42.6	57.0	72.0
ZRD49KCE TFD	4.0	5,158	17,600	2,350	5.3	2.19	7.5	67.2	1.89	42.6	47.5	72.0
		13,540	46,200	4,540	6.7	2.98	10.2	67.2	1.89	42.6	47.5	72.0

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD49KC TF5	4.0	5,480	18,700	2,280	10.3	2.40	8.2	67.2	1.89	42.6	115.0	72.0
		14,536	49,600	4,460	13.0	3.26	11.1	67.2	1.89	42.6	115.0	72.0
ZRD49KC TF7	4.0	5,480	18,700	2,280	6.2	2.40	8.2	67.2	1.89	42.6	57.0	72.0
		14,536	49,600	4,460	7.9	3.26	11.1	67.2	1.89	42.6	57.0	72.0
ZRD49KC TFD	4.0	5,480	18,700	2,280	5.1	2.40	8.2	67.2	1.89	42.6	47.5	72.0
		14,536	49,600	4,460	6.5	3.26	11.1	67.2	1.89	42.6	47.5	72.0
ZRD61KCE TF5	5.0	7,034	24,000	3,060	12.4	2.30	7.9	82.6	1.89	38.1	137.0	78.0
		17,438	59,500	5,740	16.9	3.04	10.4	82.6	1.89	38.1	137.0	78.0
ZRD61KCE TF7	5.0	6,975	23,800	3,100	7.5	2.25	7.7	82.6	1.89	38.1	64.0	78.0
		17,438	59,500	5,740	10.3	3.04	10.4	82.6	1.89	38.1	64.0	78.0
ZRD61KCE TFD	5.0	7,034	24,000	3,060	6.2	2.30	7.9	82.6	1.89	38.1	62.0	78.0
		17,438	59,500	5,740	8.5	3.04	10.4	82.6	1.89	38.1	62.0	78.0
ZRD61KC TF5	5.0	6,916	23,600	2,890	11.4	2.39	8.2	82.6	1.89	38.1	137.0	78.0
		18,024	61,500	5,450	16.0	3.31	11.3	82.6	1.89	38.1	137.0	78.0
ZRD61KC TF7	5.0	7,034	24,000	2,990	6.9	2.35	8.0	82.6	1.89	38.1	64.0	78.0
		18,024	61,500	5,550	9.5	3.25	11.1	82.6	1.89	38.1	64.0	78.0
ZRD61KC TFD	5.0	6,916	23,600	2,890	5.7	2.39	8.2	82.6	1.89	38.1	62.0	78.0
		18,024	61,500	5,450	8.0	3.31	11.3	82.6	1.89	38.1	62.0	78.0
ZRD68KCE TFD	6.0	7,737	26,400	3,190	7.5	2.43	8.3	93.1	1.89	39.9	75.0	78.0
		19,489	66,500	6,250	9.1	3.12	10.6	93.1	1.89	39.9	75.0	78.0
ZRD68KC TFD	6.0	7,942	27,100	3,140	6.3	2.53	8.6	93.1	1.89	39.9	75.0	78.0
		20,808	71,000	6,150	8.9	3.38	11.5	93.1	1.89	39.9	75.0	78.0
ZRD72KCE TF5	6.0	8,616	29,400	3,740	16.5	2.30	7.9	98.0	1.89	39.9	156.0	78.0
		20,662	70,500	6,550	19.0	3.15	10.8	98.0	1.89	39.9	156.0	78.0
ZRD72KCE TF7	6.0	8,616	29,400	3,740	10.0	2.30	7.9	98.0	1.89	39.5	70.0	78.0
		20,662	70,500	6,550	11.5	3.15	10.8	98.0	1.89	39.5	70.0	78.0
ZRD72KCE TFD	6.0	8,616	29,400	3,740	8.3	2.30	7.9	98.0	1.89	39.9	70.0	78.0
		20,662	70,500	6,550	9.5	3.15	10.8	98.0	1.89	39.9	70.0	78.0
ZRD72KC TF5	6.0	8,265	28,200	3,390	12.9	2.44	8.3	98.0	1.89	39.9	156.0	74.0
		21,365	72,900	6,460	18.6	3.31	11.3	98.0	1.89	39.9	156.0	74.0
ZRD72KC TF7	6.0	8,265	28,200	3,390	7.8	2.44	8.3	98.0	1.89	39.5	70.0	74.0
		21,365	72,900	6,460	11.3	3.31	11.3	98.0	1.89	39.5	70.0	74.0
ZRD72KC TFD	6.0	8,265	28,200	3,390	6.5	2.44	8.3	98.0	1.89	39.9	70.0	74.0
		21,365	72,900	6,460	9.3	3.31	11.3	98.0	1.89	39.9	70.0	74.0
ZRD81KCE TF7	7.0	9,613	32,800	4,210	9.3	2.28	7.8	107.8	1.89	40.8	78.0	78.0
		24,178	82,500	7,950	10.9	3.04	10.4	107.8	1.89	40.8	78.0	78.0
ZRD81KCE TFD	7.0	8,353	28,500	4,270	9.3	1.96	6.7	107.8	1.89	40.8	100.0	78.0
		22,860	78,000	7,700	12.2	2.97	10.2	107.8	1.89	40.8	100.0	78.0
ZRD81KC TF7	7.0	9,349	31,900	3,890	7.9	2.40	8.2	107.8	1.89	40.8	78.0	78.0
		23,739	81,000	7,400	12.4	3.21	10.9	107.8	1.89	40.8	78.0	78.0
ZRD81KC TFD	7.0	8,880	30,300	4,170	8.8	2.13	7.3	107.8	1.89	40.8	100.0	78.0
		23,885	81,500	7,500	11.7	3.18	10.9	107.8	1.89	40.8	100.0	78.0
ZRD94KCE TF5	8.0	10,961	37,400	5,050	18.8	2.17	7.4	127.2	2.51	57.6	195.0	78.0
		26,963	92,000	8,350	25.8	3.23	11.0	127.2	2.51	57.6	195.0	78.0

R407C 200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRD94KCE TFD	8.0	10,873	37,100	5,100	10.2	2.13	7.3	127.2	2.51	57.6	95.0	78.0
		11,635	39,700	5,050	10.2	2.30	7.8	127.2	2.51	57.6	95.0	78.0
		26,963	92,000	8,350	12.8	3.23	11.0	127.2	2.51	57.6	95.0	78.0
		28,281	96,500	8,200	12.8	3.45	11.8	127.2	2.51	57.6	95.0	78.0
ZRD94KC TF5	8.0	11,547	39,400	5,050	19.4	2.29	7.8	127.2	2.51	57.6	195.0	78.0
		28,281	96,500	8,200	25.1	3.45	11.8	127.2	2.51	57.6	195.0	78.0
ZRD94KC TFD	8.0	11,635	39,700	5,050	10.2	2.30	7.8	127.2	2.51	57.6	95.0	78.0
		28,281	96,500	8,300	13.0	3.41	11.6	127.2	2.51	57.6	95.0	78.0
ZRD94KQE TFD	8.0	10,873	37,100	5,100	10.2	2.13	7.3	127.2	2.51	58.1	95.0	78.0
		26,963	92,000	8,350	12.8	3.23	11.0	127.2	2.51	58.1	95.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

R410A 220-240V; 50 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZPD34K5E PFJ	3.0	3,194	10,900	1,515	8.9	2.11	7.2	32.8	1.24	30.8	87.0	77.0
		8,206	28,000	2,830	13.6	2.90	9.9	32.8	1.24	30.8	87.0	77.0
ZPD34K5E PFZ	3.0	3,194	10,900	1,515	8.9	2.11	7.2	32.8	1.24	30.8	87.0	77.0
		8,206	28,000	2,830	13.6	2.90	9.9	32.8	1.24	30.8	87.0	77.0
ZPD34KSE PFZ	3.0	3,194	10,900	1,515	8.9	2.11	7.2	32.8	1.24	30.8	87.0	77.0
		8,206	28,000	2,830	13.6	2.90	9.9	32.8	1.24	30.8	87.0	77.0
ZPD42K5E PFZ	3.5	3,795	12,950	1,795	11.2	2.11	7.2	39.8	1.24	32.7	128.0	77.0
		10,257	35,000	3,400	16.7	3.02	10.3	39.8	1.24	32.7	128.0	77.0
ZPD42KSE PFZ	3.5	3,795	12,950	1,795	11.2	2.11	7.2	39.8	1.24	32.7	128.0	77.0
		10,257	35,000	3,400	16.7	3.02	10.3	39.8	1.24	32.7	128.0	77.0
ZPD51K5E PFZ	4.5	4,528	15,450	2,090	12.2	2.17	7.4	48.2	1.24	34.5	128.0	77.0
		12,368	42,200	4,100	19.7	3.02	10.3	48.2	1.24	34.5	128.0	77.0
ZPD51KSE PFZ	4.5	4,528	15,450	2,090	12.2	2.17	7.4	48.2	1.24	34.5	128.0	77.0
		12,368	42,200	4,100	19.7	3.02	10.3	48.2	1.24	34.5	128.0	77.0
ZPD54K5E PFZ	4.5	4,748	16,200	2,200	12.8	2.16	7.4	51.1	1.24	34.5	130.0	77.0
		12,895	44,000	4,240	20.2	3.04	10.4	51.1	1.24	34.5	130.0	77.0
ZPD54KSE PFZ	4.5	4,748	16,200	2,200	12.8	2.16	7.4	51.1	1.24	34.5	130.0	77.0
		13,042	44,500	4,320	20.4	3.02	10.3	51.1	1.24	34.5	130.0	70.0
ZPD61KCE PFZ	5.0	4,982	17,000	2,700	13.5	1.85	6.3	58.2	1.89	44.9	147.0	74.0
		14,800	50,500	5,000	23.2	2.96	10.1	58.2	1.89	44.9	147.0	74.0
ZPD67KCE PFZ	5.5	5,422	18,500	2,900	14.8	1.87	6.4	62.9	1.89	44.9	155.0	74.0
		15,972	54,500	5,400	25.7	2.96	10.1	62.9	1.89	44.9	155.0	74.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZPD103KCE TFD	8.5	10,257	35,000	4,600	11.1	2.23	7.6	96.4	3.25	60.8	111.0	74.0
		25,204	86,000	7,800	14.4	3.23	11.0	96.4	3.25	60.8	111.0	74.0
ZPD104KCE TFD	9.0	10,404	35,500	4,270	11.1	2.44	8.3	96.4	2.51	48.5	128.0	74.0
		25,556	87,200	7,940	14.5	3.22	11.0	96.4	2.51	48.5	128.0	74.0
					14.8	3.22	11.0	96.4	2.51	48.5	128.0	74.0
ZPD120KCE TFD	10.0	12,133	41,400	5,350	12.3	2.27	7.7	113.6	3.25	61.7	118.0	74.0
		29,600	101,000	9,250	16.6	3.20	10.9	113.6	3.25	61.7	118.0	74.0
ZPD122KCE TFD	10.0	12,016	41,000	4,930	12.4	2.44	8.3	112.3	2.51	50.3	139.0	74.0
		29,600	101,000	9,170	16.7	3.23	11.0	112.3	2.51	50.3	139.0	74.0
					17.0	3.23	11.0	112.3	2.51	50.3	139.0	74.0
ZPD137KCE TFD	11.5	13,159	44,900	6,000	13.2	2.19	7.5	127.2	3.25	61.2	118.0	75.0
		33,117	113,000	10,400	18.2	3.18	10.8	127.2	3.25	61.2	118.0	75.0
ZPD154KCE TED	13.0	14,507	49,500	6,700	15.8	2.17	7.4	142.9	3.37	65.3	140.0	77.0
		37,220	127,000	11,700	21.0	3.18	10.9	142.9	3.37	65.3	140.0	77.0
ZPD154KCE TFD	13.0	14,507	49,500	6,700	15.8	2.17	7.4	142.9	3.37	65.3	140.0	77.0
		37,220	127,000	11,700	21.0	3.18	10.9	142.9	3.37	65.3	140.0	77.0
ZPD154KCE TWD	13.0	14,507	49,500	6,700	15.8	2.17	7.4	142.9	3.25	65.3	140.0	77.0
		37,220	127,000	11,700	21.0	3.18	10.9	142.9	3.25	65.3	140.0	77.0
ZPD154KCE TWM	13.0	14,507	49,500	6,700	15.8	2.17	7.4	142.9	3.25	65.3	140.0	77.0
		37,220	127,000	11,700	21.0	3.18	10.9	142.9	3.25	65.3	140.0	77.0
ZPD182KCE TED	15.0	17,145	58,500	8,050	20.9	2.13	7.3	167.1	3.37	66.7	173.0	79.0
		43,961	150,000	13,700	26.1	3.21	10.9	167.1	3.37	66.7	173.0	79.0
ZPD182KCE TFD	15.0	17,145	58,500	8,050	20.9	2.13	7.3	167.1	3.37	66.7	174.0	79.0
		43,961	150,000	13,700	26.1	3.21	10.9	167.1	3.37	66.7	174.0	79.0
ZPD182KCE TWD	15.0	17,145	58,500	8,050	20.9	2.13	7.3	167.1	3.25	66.7	173.0	79.0
		43,961	150,000	13,700	26.1	3.21	10.9	167.1	3.25	66.7	173.0	79.0
ZPD182KCE TWM	15.0	17,145	58,500	8,050	20.9	2.13	7.3	167.1	3.25	66.7	173.0	79.0
		43,961	150,000	13,700	26.1	3.21	10.9	167.1	3.25	66.7	173.0	79.0
ZPD34K5E TFD	3.0	3,224	11,000	1,490	4.0	2.16	7.4	32.8	1.24	30.8	46.0	77.0
		8,206	28,000	2,830	5.1	2.90	9.9	32.8	1.24	30.8	46.0	77.0
ZPD34KSE TFM	3.0	3,224	11,000	1,490	4.0	2.16	7.4	32.8	1.24	30.8	46.0	77.0
		8,206	28,000	2,830	5.1	2.90	9.9	32.8	1.24	30.8	46.0	77.0
ZPD42K5E TFD	3.5	3,898	13,300	1,660	3.7	2.35	8.0	39.8	1.24	32.7	52.0	77.0
		10,316	35,200	3,350	5.7	3.08	10.5	39.8	1.24	32.7	52.0	77.0
ZPD42KSE TFM	3.5	3,898	13,300	1,660	3.7	2.35	8.0	39.8	1.24	32.7	52.0	77.0
		10,316	35,200	3,350	5.7	3.08	10.5	39.8	1.24	32.7	52.0	77.0
ZPD51K5E TFD	4.5	4,557	15,550	1,940	4.2	2.35	8.0	48.2	1.24	32.7	52.0	77.0
		12,338	42,100	4,040	6.8	3.05	10.4	48.2	1.24	32.7	52.0	77.0
ZPD51KSE TFM	4.5	4,557	15,550	1,940	4.2	2.35	8.0	48.2	1.24	34.5	52.0	77.0
		12,338	42,100	4,040	6.8	3.05	10.4	48.2	1.24	34.5	52.0	77.0
ZPD54K5E TFD	4.5	4,821	16,450	2,100	5.5	2.30	7.8	51.1	1.24	34.5	62.0	78.0
		13,218	45,100	4,280	7.5	3.09	10.5	51.1	1.24	34.5	62.0	78.0
ZPD54KSE TFM	4.5	4,821	16,450	2,100	5.5	2.30	7.8	51.1	1.24	34.5	62.0	78.0
		13,218	45,100	4,280	7.5	3.09	10.5	51.1	1.24	34.5	62.0	78.0
ZPD61KCE TFD	5.0	5,774	19,700	2,550	6.0	2.26	7.7	58.2	1.89	39.9	64.0	74.0
		14,800	50,500	4,930	8.5	3.00	10.3	58.2	1.89	39.9	64.0	74.0

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZPD67KCE TFD	5.5	5,891	20,100	2,620	6.9	2.25	7.7	62.9	1.89	44.9	74.0	78.0
		16,178	55,200	5,260	9.3	3.08	10.5	62.9	1.89	44.9	74.0	78.0
ZPD72KCE TFD	6.0	6,301	21,500	2,850	6.6	2.21	7.5	67.2	1.89	40.8	75.0	78.0
		17,145	58,500	5,750	9.8	2.98	10.2	67.2	1.89	40.8	75.0	78.0
ZPD83KCE TFD	7.0	7,473	25,500	3,440	9.5	2.17	7.4	77.2	1.77	40.4	101.0	75.0
		19,929	68,000	6,650	12.0	3.00	10.3	77.2	1.77	40.4	101.0	75.0
ZPD91KCE TFD	7.5	8,616	29,400	3,630	9.6	2.37	8.1	84.6	1.77	41.3	101.0	80.0
		21,629	73,800	6,900	12.5	3.13	10.7	84.6	1.77	41.3	101.0	80.0
ZPD91KXE TFD	7.5	8,616	29,400	3,630	9.6	2.37	8.1	51.0	1.24	27.2	101.0	80.0
		21,629	73,800	6,920	12.5	3.13	10.7	51.0	1.24	27.2	101.0	80.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZPD103KCE TF5	8.5	12,397	42,300	5,600	22.5	2.21	7.5	96.4	3.25	60.8	225.0	77.0
		30,772	105,000	9,550	29.3	3.22	11.0	96.4	3.25	60.8	225.0	77.0
ZPD103KCE TFD	8.5	12,456	42,500	5,650	11.3	2.20	7.5	96.4	3.25	60.8	114.0	77.0
		30,772	105,000	9,550	14.6	3.22	11.0	96.4	3.25	60.8	114.0	77.0
ZPD104KCE TF5	9.0	12,514	42,700	5,160	19.9	2.43	8.3	96.4	2.51	48.5	240.0	77.0
		31,066	106,000	9,650	26.8	3.22	11.0	96.4	2.51	48.5	240.0	77.0
ZPD104KCE TFD	9.0	12,514	42,700	5,160	11.3	2.43	8.3	96.4	2.51	48.5	130.0	77.0
		31,066	106,000	9,650	14.7	3.22	11.0	96.4	2.51	48.5	130.0	77.0
ZPD120KCE TF5	10.0	14,624	49,900	6,530	24.9	2.24	7.7	113.6	3.25	61.7	239.0	79.0
		36,048	123,000	11,100	33.4	3.25	11.1	113.6	3.25	61.7	239.0	79.0
ZPD120KCE TFD	10.0	14,741	50,300	6,510	12.5	2.26	7.7	113.6	3.25	61.7	125.0	79.0
		36,048	123,000	11,100	16.7	3.25	11.1	113.6	3.25	61.7	125.0	79.0
ZPD122KCE TF5	10.0	14,331	48,900	5,900	22.3	2.43	8.3	112.3	2.51	50.3	240.0	77.0
		36,048	123,000	11,200	30.5	3.22	11.0	112.3	2.51	50.3	240.0	77.0
ZPD122KCE TFD	10.0	14,331	48,900	5,900	12.2	2.43	8.3	112.3	2.51	50.3	140.0	77.0
		36,048	123,000	11,200	16.7	3.22	11.0	112.3	2.51	50.3	140.0	77.0
ZPD137KCE TF5	11.5	15,826	54,000	7,330	29.9	2.16	7.4	127.2	3.25	61.2	245.0	80.0
		40,297	137,500	12,500	38.8	3.22	11.0	127.2	3.25	61.2	245.0	80.0
ZPD137KCE TFD	11.5	15,826	54,000	7,330	13.4	2.16	7.4	127.2	3.25	61.2	125.0	80.0
		40,297	137,500	12,500	18.3	3.22	11.0	127.2	3.25	61.2	125.0	80.0
ZPD154KCE TE5	13.0	17,584	60,000	8,300	34.3	2.12	7.2	142.9	3.37	65.3	300.0	80.0
		45,426	155,000	14,100	43.9	3.22	11.0	142.9	3.37	65.3	300.0	80.0
ZPD154KCE TED	13.0	17,584	60,000	8,300	16.2	2.12	7.2	142.9	3.37	65.3	150.0	80.0
		45,426	155,000	14,100	21.3	3.22	11.0	142.9	3.37	65.3	150.0	80.0
ZPD154KCE TFD	13.0	17,584	60,000	8,300	16.2	2.12	7.2	142.9	3.37	65.3	150.0	80.0
		45,426	155,000	14,100	21.3	3.22	11.0	142.9	3.37	65.3	150.0	80.0
ZPD154KCE TW5	13.0	17,584	60,000	8,300	34.3	2.12	7.2	142.9	3.25	66.7	300.0	80.0
		45,426	155,000	14,100	43.9	3.22	11.0	142.9	3.25	66.7	300.0	80.0
ZPD154KCE TWD	13.0	17,584	60,000	8,300	16.2	2.12	7.2	142.9	3.25	65.3	150.0	80.0
		45,426	155,000	14,100	21.3	3.22	11.0	142.9	3.25	65.3	150.0	80.0
ZPD181KCE TED	15.0	19,753	67,400	9,470	14.9	2.09	7.1	167.1	3.37	66.7	110.0	82.0
		52,020	177,500	16,500	22.7	3.15	10.8	167.1	3.37	66.7	110.0	82.0
ZPD181KCE TWD	15.0	19,753	67,400	9,470	14.9	2.09	7.1	167.1	3.25	66.7	110.0	82.0
		52,020	177,500	16,500	22.7	3.15	10.8	167.1	3.25	66.7	110.0	82.0
ZPD182KCE TE5	15.0	19,489	66,500	9,750	42.9	2.00	6.8	167.1	3.37	66.7	340.0	82.0
		53,632	183,000	16,700	53.4	3.21	11.0	167.1	3.37	66.7	340.0	82.0
ZPD182KCE TED	15.0	20,222	69,000	9,900	21.6	2.04	6.9	167.1	3.37	66.7	173.0	82.0
		53,632	183,000	16,700	26.8	3.21	11.0	167.1	3.37	66.7	173.0	82.0
ZPD182KCE TFD	15.0	20,222	69,000	9,900	21.6	2.04	6.9	167.1	3.37	66.7	179.0	82.0

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
		53,632	183,000	16,700	26.8	3.21	11.0	167.1	3.37	66.7	179.0	82.0
ZPD182KCE TW5	15.0	19,489	66,500	9,750	42.9	2.00	6.8	167.1	3.25	66.7	340.0	82.0
		53,632	183,000	16,700	53.4	3.21	11.0	167.1	3.25	66.7	340.0	82.0
ZPD182KCE TWD	15.0	20,222	69,000	9,900	21.6	2.04	6.9	167.1	3.25	66.7	173.0	82.0
		53,632	183,000	16,700	26.8	3.21	11.0	167.1	3.25	66.7	173.0	82.0
ZPD34K5E TF5	3.0	3,986	13,600	1,825	7.4	2.18	7.5	32.8	1.24	30.8	88.0	77.0
		10,140	34,600	3,390	10.2	2.99	10.2	32.8	1.24	30.8	88.0	77.0
ZPD34K5E TF7	3.0	3,986	13,600	1,840	4.9	2.17	7.4	32.8	1.24	30.8	52.7	77.0
		10,140	34,600	3,390	6.2	2.99	10.2	32.8	1.24	30.8	52.7	77.0
ZPD34K5E TFD	3.0	3,986	13,600	1,840	4.0	2.17	7.4	32.8	1.24	30.8	44.0	77.0
		10,140	34,600	3,390	5.2	2.99	10.2	32.8	1.24	30.8	44.0	77.0
ZPD42K5E TF5	3.5	4,777	16,300	1,990	8.6	2.40	8.2	39.8	1.24	32.7	110.0	77.0
		12,602	43,000	4,020	12.1	3.13	10.7	39.8	1.24	32.7	110.0	77.0
ZPD42K5E TF7	3.5	4,631	15,800	1,925	5.4	2.41	8.2	39.8	1.24	32.7	65.6	78.0
		12,514	42,700	4,040	7.4	3.10	10.6	39.8	1.24	32.7	65.6	78.0
ZPD42K5E TFD	3.5	4,704	16,050	1,960	3.7	2.40	8.2	39.8	1.24	32.7	52.0	77.0
		12,485	42,600	3,980	5.7	3.14	10.7	39.8	1.24	32.7	52.0	77.0
ZPD51K5E TF5	4.5	5,671	19,350	2,360	9.2	2.40	8.2	48.2	1.24	34.5	110.0	77.0
		15,064	51,400	4,810	13.8	3.13	10.7	48.2	1.24	34.5	110.0	77.0
ZPD51K5E TF7	4.5	5,539	18,900	2,300	5.9	2.41	8.2	48.2	1.24	34.5	65.6	78.0
		14,771	50,400	4,710	8.5	3.14	10.7	48.2	1.24	34.5	65.6	78.0
ZPD51K5E TFD	4.5	5,510	18,800	2,290	4.3	2.41	8.2	48.2	1.24	32.7	52.0	77.0
		14,947	51,000	4,790	6.9	3.12	10.6	48.2	1.24	32.7	52.0	77.0
ZPD54K5E TF5	4.5	6,008	20,500	2,490	9.8	2.41	8.2	51.1	1.24	34.5	110.0	78.0
		16,002	54,600	5,060	14.5	3.16	10.8	51.1	1.24	34.5	110.0	78.0
ZPD54K5E TF7	4.5	6,037	20,600	2,510	6.2	2.41	8.2	51.1	1.24	34.5	65.6	77.0
		15,972	54,500	5,140	9.0	3.11	10.6	51.1	1.24	34.5	65.6	77.0
ZPD54K5E TFD	4.5	5,920	20,200	2,520	6.1	2.35	8.0	51.1	1.24	34.5	62.0	78.0
		15,972	54,500	5,080	7.6	3.14	10.7	51.1	1.24	34.5	62.0	78.0
ZPD61KCE TF5	5.0	6,975	23,800	3,020	12.3	2.31	7.9	58.2	1.89	39.9	156.0	75.0
		18,463	63,000	5,800	17.0	3.18	10.9	58.2	1.89	39.9	156.0	75.0
ZPD61KCE TF7	5.0	7,004	23,900	3,060	7.1	2.29	7.8	58.2	1.89	39.9	64.0	75.0
		18,024	61,500	5,850	10.1	3.08	10.5	58.2	1.89	39.9	64.0	75.0
ZPD61KCE TFD	5.0	7,034	24,000	3,100	6.0	2.27	7.7	58.2	1.89	39.9	62.0	75.0
		18,170	62,000	5,900	8.6	3.08	10.5	58.2	1.89	39.9	62.0	78.0
ZPD67KCE TFD	5.5	7,210	24,600	3,100	7.6	2.33	8.0	62.9	1.89	44.9	75.0	78.0
		19,841	67,700	6,320	8.5	3.14	10.7	62.9	1.89	44.9	75.0	78.0
ZPD72KCE TF5	6.0	8,118	27,700	3,600	15.2	2.26	7.7	67.2	1.89	40.8	164.0	78.0
		21,101	72,000	6,850	20.4	3.08	10.5	67.2	1.89	40.8	164.0	78.0
ZPD72KCE TF7	6.0	8,001	27,300	3,610	7.6	2.22	7.6	67.2	1.89	40.8	73.0	78.0
		20,808	71,000	6,900	11.6	3.02	10.2	67.2	1.89	40.8	73.0	78.0
ZPD72KCE TFD	6.0	7,766	26,500	3,460	6.6	2.24	7.7	67.2	1.89	40.8	75.0	78.0
		20,955	71,500	6,800	9.9	3.08	10.5	67.2	1.89	40.8	75.0	78.0
ZPD83KCE TF5	7.0	9,496	32,400	4,100	18.1	2.32	7.9	77.2	1.77	40.4	186.6	78.0
		24,178	82,500	7,850	23.0	3.08	10.5	77.2	1.77	40.4	186.6	78.0
ZPD83KCE TF7	7.0	9,290	31,700	3,940	9.0	2.36	8.0	77.2	1.77	40.4	94.3	78.0
		24,178	82,500	7,850	13.2	3.08	10.5	77.2	1.77	40.4	94.3	78.0
ZPD83KCE TFD	7.0	9,378	32,000	4,170	9.4	2.25	7.7	77.2	1.77	40.4	100.0	78.0
		24,325	83,000	8,000	12.4	3.04	10.4	77.2	1.77	40.4	100.0	78.0
ZPD91KCE TF5	7.5	10,492	35,800	4,360	18.8	2.41	8.2	84.6	1.77	41.3	191.0	81.0
		26,406	90,100	8,270	25.3	3.19	10.9	84.6	1.77	41.3	191.0	81.0
ZPD91KCE TF7	7.5	10,492	35,800	4,300	11.4	2.44	8.3	84.6	1.77	41.3	123.0	81.0
		26,406	90,100	8,270	15.2	3.19	10.9	84.6	1.77	41.3	123.0	81.0
ZPD91KCE TFD	7.5	10,492	35,800	4,360	9.6	2.41	8.2	84.6	1.77	41.3	100.0	81.0
		26,406	90,100	8,300	12.8	3.18	10.9	84.6	1.77	41.3	100.0	81.0
ZPD91KXE TFD	7.5	10,492	35,800	4,360	9.6	2.41	8.2	51.0	1.24	27.2	100.0	81.0
		26,406	90,100	8,300	12.8	3.18	10.9	51.0	1.24	27.2	100.0	81.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

Copeland scroll compressor EVI

Low ambient temperature series

Today's home/commercial air conditioning application requirements not only require the system to be excellent over the entire operating range. The more energy-efficient features, the more the system needs to be able to output enough cooling/heating capacity.

The air conditioning system equipped with Copeland scroll compressors which has EVI technology has better performance under high ambient temperature. EVI technology can increase cooling capacity by up to 12%. Under low ambient temperature, EVI technology can increase heating capacity by up to 30%.

Efficiency

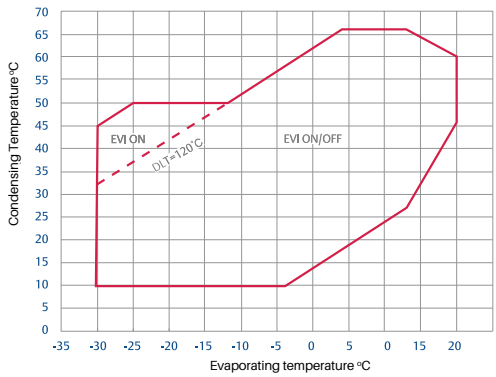
Reliability

Low life cycle cost

Features and benefits

- Copeland scroll axial and radial compliance guarantees the compressor excellent reliability and high efficiency.
- Broad product line
- Low oil cycle rate
- Excellent resistance to liquid slugging
- Low noise and vibration levels
- Lower LCCP (Life Cycle Climate Performance)
- EVI technology increase the system cooling/heating capacity under high/low ambient temperature.

Operating envelopes

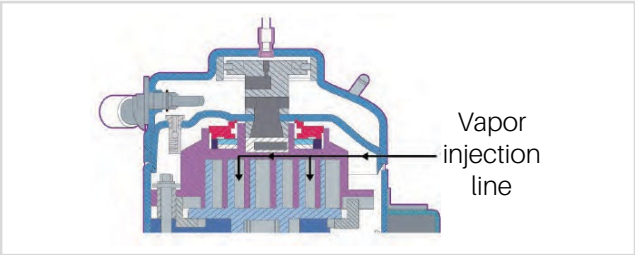


Remarks: Please refer to the application guide for the actual operating envelope.

The concept of vapor injection

The vapor injection path

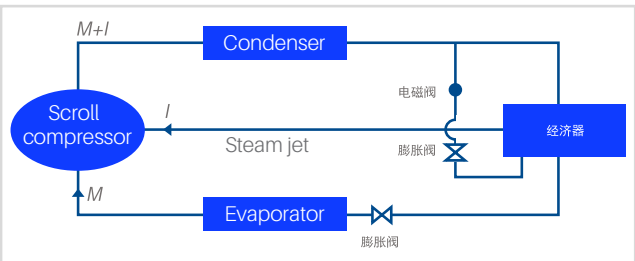
Vapor is injected via the vapor injection line into the compressor.



When Copeland scroll compressor with EVI is applied in economic system, it increases the sub-cooling and improves the system cooling capacity and EER. EVI technology increases the compression ratio which improves the system heating capacity in cold winters and cooling capacity in hot summers.

Diagram of EVI system with economizer

Below is the diagram of EVI system with economizer. The refrigerant enters into an economizer before passing the evaporator, which increase the sub-cooling and improves the system cooling capacity. In an economizer, a small amount of refrigerant is evaporated to overheating gas, which is injected into the medium pressure cavity of the scroll compressor via a vapor injection line and compressed to discharge pressure. The injected vapor increases the compression ratio while reducing the internal operating temperature, which improves the reliability of the compressor.

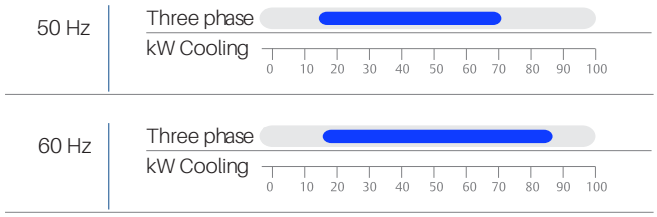


Product line up

Fixed speed series

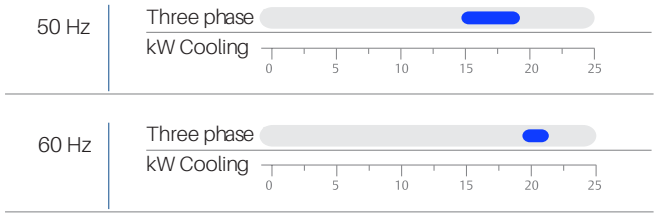
R22

R410A

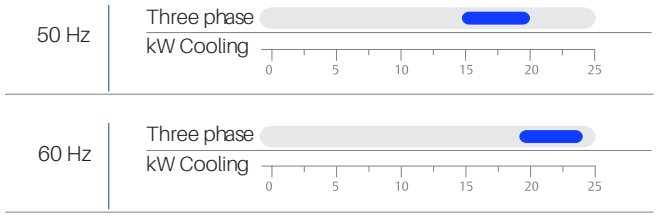


Digital series

R22



R410A



380V-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRI108KC TFD	9.0	22,860	78,000	7,060	13.0	3.24	11.1	142.9	3.25	59.9	111.0	74.0
		26,376	90,000	7,600	13.8	3.47	11.9	142.9	3.25	59.9	111.0	74.0
		29,747	101,500	8,150	14.7	3.65	12.5	142.9	3.25	59.9	111.0	74.0
ZRI125KC TFD	10.0	26,376	90,000	8,210	14.8	3.21	11.0	167.1	3.25	61.2	118.0	75.0
		30,919	105,500	8,900	15.8	3.47	11.9	167.1	3.25	61.2	118.0	75.0
		34,436	117,500	9,550	16.9	3.61	12.3	167.1	3.25	61.2	118.0	75.0
ZRI144KC TFD	12.0	29,600	101,000	9,400	17.5	3.15	10.8	190.9	3.25	61.2	140.0	76.0
		35,169	120,000	10,100	18.6	3.48	11.9	190.9	3.25	61.2	140.0	76.0
		39,125	133,500	10,850	19.6	3.61	12.3	190.9	3.25	61.2	140.0	76.0
ZRI61KC TFD	5.0	5,774	19,700	2,450	5.5	2.36	8.0	98.0	1.89	39.9	64.0	78.0
		10,551	36,000	3,600	6.7	2.93	10.0	98.0	1.89	39.9	64.0	78.0
		14,947	51,000	4,580	8.1	3.26	11.1	98.0	1.89	39.9	64.0	78.0
ZRI94KC TFD	8.0	20,368	69,500	6,490	11.9	3.14	10.7	127.2	2.51	57.2	95.0	73.0
		23,299	79,500	6,850	12.7	3.40	11.6	127.2	2.51	57.2	95.0	73.0
		26,376	90,000	7,360	13.4	3.58	12.2	127.2	2.51	57.2	95.0	73.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZRI108KC TFD	9.0	27,431	93,600	8,470	13.4	3.24	11.1	142.9	3.25	59.9	114.0	80.0
		31,798	108,500	9,160	14.3	3.47	11.9	142.9	3.25	59.9	114.0	80.0
		35,608	121,500	9,780	15.1	3.64	12.5	142.9	3.25	59.9	114.0	80.0
ZRI125KC TF7	10.0	31,652	108,000	10,100	18.3	3.13	10.7	167.1	3.25	61.2	145.0	80.0
		37,367	127,500	10,850	19.6	3.44	11.7	167.1	3.25	61.2	145.0	80.0
		41,323	141,000	11,600	20.6	3.56	12.2	167.1	3.25	61.2	145.0	80.0
ZRI125KC TFD	10.0	31,652	108,000	9,860	15.7	3.21	11.0	167.1	3.25	61.2	125.0	80.0
		37,367	127,500	10,850	16.8	3.44	11.7	167.1	3.25	61.2	125.0	80.0
		41,470	141,500	11,500	17.4	3.61	12.3	167.1	3.25	61.2	125.0	80.0
ZRI144KC TF7	12.0	35,755	122,000	11,450	20.9	3.12	10.7	190.9	3.25	61.2	145.0	80.0
		42,495	145,000	12,250	22.4	3.47	11.9	190.9	3.25	61.2	145.0	80.0
		46,745	159,500	13,050	23.5	3.58	12.2	190.9	3.25	61.2	145.0	80.0
ZRI144KC TFD	12.0	35,755	122,000	11,350	17.0	3.15	10.8	190.9	3.25	61.2	150.0	80.0
		42,788	146,000	12,300	18.0	3.48	11.9	190.9	3.25	61.2	150.0	80.0
		47,038	160,500	13,000	20.2	3.62	12.3	190.9	3.25	61.2	150.0	80.0
ZRI61KC TFD	5.0	6,916	23,600	2,950	5.7	2.34	8.0	98.0	1.89	39.9	62.0	78.0
		12,573	42,900	4,280	6.8	2.94	10.0	98.0	1.89	39.9	62.0	78.0
		18,170	62,000	5,500	8.5	3.30	11.2	98.0	1.89	39.9	62.0	78.0
ZRI94KC TFD	8.0	24,471	83,500	7,780	12.3	3.15	10.8	127.2	2.51	57.2	95.0	78.0
		27,959	95,400	8,220	13.1	3.40	11.6	127.2	2.51	57.2	95.0	78.0
		31,652	108,000	8,830	13.8	3.58	12.2	127.2	2.51	57.2	95.0	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
VRI108KS TFP	9.0	23,446	80,000	7,150	13.4	3.28	11.2	142.9	3.25	59.9	100.0	74.0
		26,376	90,000	7,550	13.8	3.49	11.9	142.9	3.25	59.9	100.0	74.0
		29,747	101,500	8,150	14.7	3.65	12.5	142.9	3.25	59.9	100.0	74.0
VRI125KS TFP	10.0	26,816	91,500	8,380	15.1	3.20	10.9	167.1	3.25	61.2	110.0	75.0
		30,919	105,500	8,900	15.8	3.47	11.9	167.1	3.25	61.2	110.0	75.0
		34,436	117,500	9,550	16.9	3.61	12.3	167.1	3.25	61.2	110.0	75.0
VRI144KS TFP	12.0	29,747	101,500	9,450	17.6	3.15	10.7	190.9	3.25	61.2	133.0	76.0
		35,169	120,000	10,150	18.6	3.46	11.8	190.9	3.25	61.2	133.0	76.0
		39,125	133,500	10,850	19.6	3.61	12.3	190.9	3.25	61.2	133.0	76.0
VRI30KS TFP	2.5	4,162	14,200	2,180	2.5	1.91	6.6	41.0	0.74	21.8	34.0	68.0
		7,327	25,000	2,270	4.3	3.23	11.0	41.0	0.74	21.8	34.0	68.0
VRI52KS TFP	4.0	7,503	25,600	3,660	6.6	2.05	7.0	70.3	1.36	29.9	59.0	69.0
		12,807	43,700	3,800	6.8	3.37	11.5	70.3	1.36	29.9	59.0	69.0
VRI54KS TFP	4.5	7,356	25,100	3,780	7.3	1.95	6.7	73.1	1.36	29.9	58.0	69.0
		13,188	45,000	3,980	7.6	3.31	11.3	73.1	1.36	29.9	58.0	69.0
VRI57KF TFP	4.5	7,473	25,500	4,140	8.8	1.81	6.2	77.2	1.36	29.9	58.7	69.0
		13,921	47,500	4,410	9.1	3.16	10.8	77.2	1.36	29.9	58.7	69.0
VRI57KS TFP	4.5	N/A	N/A	N/A	N/A	N/A	N/A	77.2	1.36	29.9	58.7	N/A
VRI61KF TFP	5.0	8,206	28,000	4,200	7.8	1.95	6.7	82.6	1.36	29.9	58.0	69.0
		14,947	51,000	4,600	8.4	3.25	11.1	82.6	1.36	29.9	58.0	69.0
VRI94KS TFP	8.0	21,101	72,000	6,700	12.4	3.15	10.8	127.2	2.51	57.2	86.0	73.0
		23,299	79,500	6,850	12.7	3.40	11.6	127.2	2.51	57.2	86.0	73.0
		26,963	92,000	7,550	13.8	3.57	12.2	127.2	2.51	57.2	86.0	73.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

220V; 50 Hz, 1 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
VRI31KM PFS	2.5	4,689	16,000	2,270	10.6	2.07	7.0	42.4	0.77	19.5	55.5	63.0
		7,766	26,500	2,390	11.1	3.25	11.1	42.4	0.77	19.5	55.5	63.0
VRI32KS PFS	2.5	4,396	15,000	2,350	10.8	1.87	6.4	44.2	0.74	21.8	60.0	68.0
		7,913	27,000	2,460	11.1	3.22	11.0	44.2	0.74	21.8	60.0	68.0
VRI34KF PFS	3.0	4,660	15,900	2,470	11.4	1.89	6.4	46.2	0.74	21.8	62.2	68.0
		8,265	28,200	2,620	11.9	3.15	10.8	46.2	0.74	21.8	62.2	68.0
VRI42KS PFS	3.5	5,656	19,300	3,000	13.8	1.89	6.5	57.2	1.36	29.9	98.0	69.0
		10,140	34,600	3,120	14.2	3.25	11.1	57.2	1.36	29.9	98.0	69.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZPI103KCE TFD	8.5	24,208	82,600	7,980	14.3	3.03	10.4	96.4	3.25	61.2	111.0	74.0
		25,175	85,900	7,850	13.6	3.21	11.0	96.4	3.25	61.2	111.0	74.0
		29,600	101,000	8,950	15.9	3.31	11.3	96.4	3.25	61.2	111.0	74.0
ZPI104KCE TFD	8.5	25,585	87,300	7,890	14.3	3.24	11.1	96.4	2.51	48.5	128.0	74.0
		29,219	99,700	8,700	15.5	3.36	11.5	96.4	2.51	48.5	128.0	74.0
ZPI122KCE TFD	10.0	29,893	102,000	9,190	16.7	3.25	11.1	112.3	2.51	48.5	139.0	74.0
		33,410	114,000	10,050	17.7	3.32	11.4	112.3	2.51	48.5	139.0	74.0
ZPI144KCE TFD	12.0	35,169	120,000	10,950	19.0	3.21	11.0	134.7	3.25	60.8	144.0	75.0
		38,832	132,500	11,700	20.2	3.32	11.3	134.7	3.25	60.8	144.0	75.0
ZPI182KCE TFD	15.0	41,176	140,500	13,000	24.5	3.17	10.8	167.1	3.25	66.2	174.0	77.0
		43,961	150,000	13,650	25.5	3.22	11.0	167.1	3.25	66.2	174.0	77.0
		49,822	170,000	14,800	27.4	3.37	11.5	167.1	3.25	66.2	174.0	77.0
ZPI232KCE TED	19.0	56,709	193,500	17,000	31.0	3.34	11.4	210.2	4.44	91.6	287.5	82.0
		63,010	215,000	18,500	33.0	3.41	11.6	210.2	4.44	91.6	287.5	82.0
ZPI292KCE TED	25.0	71,509	244,000	21,400	37.0	3.34	11.4	262.8	4.44	91.6	287.5	82.0
		78,543	268,000	23,100	38.9	3.40	11.6	262.8	4.44	91.6	287.5	82.0
ZPI54KCE TFD	4.5	6,301	21,500	3,630	6.8	1.74	5.9	54.4	1.89	39.9	75.0	78.0
		13,364	45,600	4,330	7.9	3.09	10.5	54.4	1.89	39.9	75.0	78.0
ZPI61KCE TFD	5.0	7,034	24,000	4,080	7.5	1.72	5.9	58.2	1.89	39.9	75.0	74.0
		14,947	51,000	4,900	8.6	3.05	10.4	58.2	1.89	39.9	75.0	74.0
ZPI72KCE TFD	6.0	8,147	27,800	4,690	8.6	1.74	5.9	67.2	1.89	40.8	101.0	78.0
		17,145	58,500	5,700	10.8	3.01	10.3	67.2	1.89	40.8	101.0	78.0
ZPI83KCE TFD	7.0	9,261	31,600	5,440	10.4	1.70	5.8	77.2	1.77	39.5	101.0	75.0
		19,841	67,700	6,600	11.8	3.01	10.3	77.2	1.77	39.5	101.0	75.0
ZPI90KCE TFD	7.5	21,336	72,800	7,010	12.3	3.04	10.4	84.2	2.51	57.6	95.0	72.0
		21,687	74,000	6,960	12.2	3.12	10.6	84.2	2.51	57.6	95.0	72.0
		26,171	89,300	7,880	13.8	3.32	11.4	84.2	2.51	57.6	95.0	72.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
VPI104KSE TFP	9.0	25,526	87,100	7,870	14.3	3.24	11.1	96.4	2.51	48.5	74.0	N/A
											116.0	74.0
		29,219	99,700	8,690	15.5	3.36	11.5	96.4	2.51	48.5	74.0	N/A
											116.0	74.0
VPI120KSE TFP	10.0	18,170	62,000	9,110	16.6	1.99	6.8	113.6	3.25	61.2	74.0	N/A
											110.0	74.0
		29,248	99,800	9,220	17.0	3.17	10.9	113.6	3.25	61.2	74.0	N/A
											110.0	74.0
		33,703	115,000	10,200	18.4	3.30	11.3	113.6	3.25	61.2	74.0	N/A
											110.0	74.0

380V; 50 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
VPI122KSE TFP	10.0	29,893	102,000	9,160	16.8	3.26	11.2	112.3	2.51	48.5	74.0	N/A
											127.0	74.0
		33,410	114,000	10,050	17.7	3.32	11.4	112.3	2.51	48.5	74.0	N/A
											127.0	74.0
VPI144KDE TFP	12.0	35,169	120,000	10,950	19.0	3.21	11.0	134.7	3.25	60.8	75.0	N/A
											124.0	75.0
VPI144KSE TFP	12.0	35,169	120,000	10,950	19.0	3.21	11.0	134.7	3.25	60.8	75.0	N/A
											124.0	75.0
		38,832	132,500	11,700	20.2	3.32	11.3	134.7	3.25	60.8	75.0	N/A
											124.0	75.0
VPI182KSE TFP	15.0	41,323	141,000	13,000	24.5	3.18	10.8	167.1	3.25	66.2	77.0	N/A
											157.0	77.0
		43,961	150,000	13,600	25.5	3.23	11.0	167.1	3.25	66.2	77.0	N/A
											157.0	77.0
		49,822	170,000	14,800	27.4	3.37	11.5	167.1	3.25	66.2	77.0	N/A
											157.0	77.0
VPI232KSE TEP	20.0	56,709	193,500	17,000	31.0	3.34	11.4	210.2	4.44	91.6	82.0	N/A
											255.5	82.0
		63,010	215,000	18,500	33.0	3.41	11.6	210.2	4.44	91.6	82.0	N/A
											255.5	82.0
VPI292KSE TEP	25.0	71,509	244,000	21,400	37.0	3.34	11.4	262.8	4.44	91.6	82.0	N/A
											255.5	82.0
		78,543	268,000	23,100	38.9	3.40	11.6	262.8	4.44	91.6	82.0	N/A
											255.5	82.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

200-230V/380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZPI103KCE TFD	8.5	29,073	99,200	9,570	14.6	3.04	10.4	96.4	3.25	61.2	114.0	77.0
		30,626	104,500	9,530	14.3	3.21	11.0	96.4	3.25	61.2	114.0	77.0
		35,462	121,000	10,750	16.8	3.30	11.3	96.4	3.25	61.2	114.0	77.0
ZPI104KCE TFD	8.5	30,919	105,500	9,470	14.5	3.26	11.2	96.4	2.51	48.5	130.0	77.0
		35,169	120,000	10,400	15.6	3.38	11.6	96.4	2.51	48.5	130.0	77.0
ZPI122KCE TFD	10.0	36,487	124,500	11,100	16.8	3.29	11.2	112.3	2.51	48.5	140.0	79.0
		40,151	137,000	12,100	17.7	3.32	11.4	112.3	2.51	48.5	140.0	79.0
ZPI144KCE TFD	12.0	42,642	145,500	13,150	19.0	3.24	11.1	134.7	3.25	60.8	137.0	80.0
		46,745	159,500	14,050	20.2	3.33	11.4	134.7	3.25	60.8	137.0	80.0
ZPI182KCE TFD	15.0	49,382	168,500	15,600	25.0	3.17	10.8	167.1	3.25	66.2	179.0	80.0
		53,339	182,000	16,400	26.1	3.25	11.1	167.1	3.25	66.2	179.0	80.0
		59,786	204,000	17,750	28.0	3.37	11.5	167.1	3.25	66.2	179.0	80.0
ZPI232KCE TE7	19.0	67,992	232,000	20,200	35.1	3.37	11.5	210.2	4.44	91.6	289.7	85.0
		75,612	258,000	22,300	37.8	3.39	11.6	210.2	4.44	91.6	289.7	85.0

200-230V/ 380V/460V; 60 Hz, 3 phase

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZPI232KCE TED	19.0	67,992	232,000	20,200	31.5	3.37	11.5	210.2	4.44	91.6	280.7	85.0
		75,612	258,000	22,300	33.0	3.39	11.6	210.2	4.44	91.6	280.7	85.0
ZPI292KCE TE7	25.0	85,577	292,000	25,400	45.0	3.37	11.5	262.8	4.44	91.6	343.1	85.0
		94,369	322,000	27,700	48.3	3.41	11.6	262.8	4.44	91.6	343.1	85.0
ZPI292KCE TED	25.0	85,577	292,000	25,400	37.3	3.37	11.5	262.8	4.44	91.6	280.7	85.0
		94,369	322,000	27,700	39.4	3.41	11.6	262.8	4.44	91.6	280.7	85.0
ZPI54KCE TFD	4.5	8,177	27,900	4,150	6.6	1.97	6.7	54.4	1.89	39.9	75.0	78.0
		16,529	56,400	5,220	7.9	3.17	10.8	54.4	1.89	39.9	75.0	78.0
ZPI54KXE TF7	4.5	8,089	27,600	4,430	8.1	1.83	6.2	51.5	1.89	36.3	64.0	78.0
		15,943	54,400	5,170	9.2	3.08	10.5	51.5	1.89	36.3	64.0	78.0
ZPI61KCE TF5	5.0	9,320	31,800	4,770	15.8	1.95	6.7	58.2	1.89	39.9	164.0	75.0
		18,346	62,600	5,830	18.3	3.15	10.8	58.2	1.89	39.9	164.0	75.0
ZPI61KCE TF7	5.0	9,613	32,800	4,890	8.5	1.97	6.7	58.2	1.89	39.9	75.0	76.0
		18,141	61,900	5,900	10.1	3.07	10.5	58.2	1.89	39.9	75.0	76.0
ZPI61KCE TFD	5.0	8,734	29,800	4,760	7.4	1.83	6.3	58.2	1.89	39.9	75.0	75.0
		18,288	62,400	5,900	8.7	3.10	10.6	58.2	1.89	39.9	75.0	75.0
ZPI61KXE TF7	5.0	14,507	49,500	4,890	8.5	2.97	10.1	58.2	1.89	39.0	104.0	78.0
		18,463	63,000	5,780	10.8	3.19	10.9	58.2	1.89	39.0	104.0	78.0
ZPI72KCE TF5	6.0	10,814	36,900	5,730	18.4	1.89	6.5	67.2	1.89	40.8	186.6	78.0
		21,423	73,100	6,920	21.0	3.10	10.6	67.2	1.89	40.8	186.6	78.0
ZPI72KCE TF7	6.0	10,140	34,600	5,480	9.5	1.85	6.3	67.2	1.89	40.8	100.0	78.0
		20,779	70,900	6,910	11.6	3.01	10.3	67.2	1.89	40.8	100.0	78.0
ZPI72KCE TFD	6.0	10,140	34,600	5,480	8.6	1.85	6.3	67.2	1.89	40.8	100.0	78.0
		21,072	71,900	6,920	9.8	3.05	10.4	67.2	1.89	40.8	100.0	78.0
ZPI72KXE TF7	6.0	16,031	54,700	5,580	10.5	2.87	9.8	67.2	1.89	39.0	104.0	78.0
		21,072	71,900	6,600	12.0	3.19	10.9	67.2	1.89	39.0	104.0	78.0
ZPI83KCE TF5	7.0	12,573	42,900	6,530	21.0	1.93	6.6	77.2	1.77	39.5	191.0	78.0
		24,266	82,800	7,910	24.1	3.07	10.5	77.2	1.77	39.5	191.0	78.0
ZPI83KCE TF7	7.0	11,518	39,300	6,240	11.1	1.85	6.3	77.2	1.77	39.9	94.3	78.0
		23,885	81,500	7,910	13.2	3.02	10.3	77.2	1.77	39.9	94.3	78.0
ZPI83KCE TFD	7.0	11,518	39,300	6,240	10.2	1.85	6.3	77.2	1.77	39.5	100.0	78.0
		24,442	83,400	8,060	12.3	3.03	10.4	77.2	1.77	39.5	100.0	78.0
ZPI83KXE TF7	7.0	18,317	62,500	6,240	12.4	2.94	10.1	77.2	1.77	39.0	123.0	78.0
		24,618	84,000	7,700	14.3	3.20	10.9	77.2	1.77	39.0	123.0	78.0
ZPI90KCE TFD	7.5	25,585	87,300	8,420	12.5	3.04	10.4	84.2	2.51	57.6	95.0	77.0
		26,464	90,300	8,430	12.7	3.14	10.7	84.2	2.51	57.6	95.0	77.0
		31,359	107,000	9,460	14.0	3.31	11.4	84.2	2.51	57.6	95.0	77.0
ZPI91KXE TF7	7.5	26,113	89,100	8,250	14.4	3.17	10.8	77.2	1.77	39.9	99.4	78.0
ZPI91KXE TFD	7.5	26,113	89,100	8,270	12.0	3.16	10.8	84.6	1.98	40.4	76.2	78.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

R22 220-240V; 50 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZRJ61KC	PFZ	5.1	14,950	50,830	4,740	23.0	3.217	10.8	82.6	1.89	38.9	142.0	85.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

R22 380-420V; 50 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZRJ61KC	TFD	5.1	14,950	51,000	4,590	8.1	3.25	11.1	82.0	1.89	38.9	64.0	78.0
ZRJ72KC	TFD	6.0	17,600	60,000	5,450	10.3	3.2	11.0	98.1	1.89	40.2	100.0	74.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

R22 460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZRJ61KC	TFD	5.1	18,000	61,500	5,500	8.5	3.28	11.2	82.0	1.89	38.9	62.0	78.0
ZRJ72KC	TFD	6.0	21,400	73,000	6,650	10.5	3.22	11.0	98.1	1.89	40.2	100.0	74.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

R410A 220-240V; 50 Hz, 1 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZPJ61KCE	TFD	5.1	14,950	51,000	4,900	8.6	3.05	10.4	58.1	1.89	40.3	75.0	74.0
ZPJ72KCE	TFD	6.0	17,100	58,500	5,700	10.8	3.02	10.3	67.1	1.89	40.9	101.0	78.0
ZPJ83KCE	TFD	7.0	19,800	67,700	6,600	11.8	3.00	10.3	77.2	1.77	40.8	101.0	75.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

R410A 200-230V/380V/460V; 60 Hz, 3 phase

Model		(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
			(W)	(Btu/h)									
ZPJ61KCE	TFD	5.1	18,300	62,400	5,900	8.7	3.11	10.6	58.1	1.89	40.3	75.0	75.0
	TF5		18,500	63,000	5,840	18.2	3.17	10.8				164.0	75.0
	TF7		18,100	61,900	5,900	10.1	3.08	10.5				75.0	76.0
ZPJ72KCE	TFD	6.0	21,100	71,900	6,920	9.8	3.05	10.4	67.1	1.89	40.9	11.0	78.0
	TF5		21,100	71,900	6,940	21.0	3.03	10.4				186.6	
	TF7		20,800	70,900	6,910	11.6	3.00	10.3				100.0	
ZPJ83KCE	TFD	7.0	24,400	83,400	8,060	12.3	3.03	10.4	77.2	1.77	40.8	100.0	78.0
	TF5		24,300	82,800	82,800	24.1	3.06	10.5				191.0	
	TF7		23,900	81,500	81,500	13.2	3.02	10.3				94.3	

Copeland scroll inverter compressor

R410A/R32 refrigerant series

Copeland scroll inverter advantage

- Outstanding performance and noise performance
- Excellent reliability
- Equipped with high-efficiency Copeland permanent magnet motor to effectively improve energy saving effect
- Specially designed for the Asia Pacific Market
- Wildly used in inverter VRF, cabinet air conditioner, floor heating, roofing machine, cold water and heat pump units and computer room air conditioners, etc.
- Broad frequency range makes the system design more convenient.
- Integrated CoreSense security protection technology to greatly improve product reliability (selectable for some products).

EVI technical features

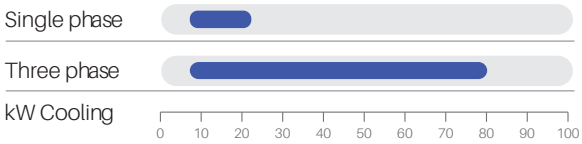
- Patented vapor injection design
- When the EVI circuit gas enters the compressor, it is injected into the scroll set through a specially designed channel. The gas is injected is compressed and discharged together and directed into the suction port entering the refrigeration cycle.
- EVI technology increases heating capacity while decreasing the discharge temperature.
- Capability for replacing auxiliary electric heating.

Copeland scroll inverter compressors have revolutionized cooling and heating systems throughout the industry. They are perfect for use in home and commercial multiline systems, rooftop systems, chilled water systems, heat pumps and for data center precision cooling systems with a wide range of displacement options from 3-25hp.

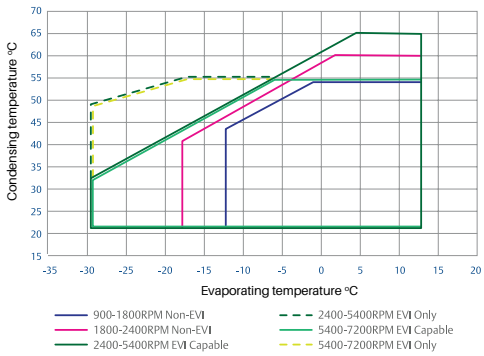
Copeland inverter compressors were specially developed for the Asia market to meet IPLV and IEER energy efficiency standards. Optimizing design capabilities, providing higher energy efficiency ratio and operating with lower noise levels. EVI technology significantly improves heating performance and reliability in low temperature environments. Allowing for a significant reduction in electricity consumption while delivering unmatched human comfort the whole year round.

All inverter compressor product lines are equipped with drive options and CoreSense protection technology. It takes performance and reliability to new heights, while dramatically reducing system design cycle and costs. Helping accelerate the launch of new products to market.

Product line-up



Operating envelopes



Remarks: Please refer to the application guide for the actual operating envelope.

R410A Residential scroll compressors

The following models may be equipped with EVI function. The corresponding model name is ZPW.

Model	(HP)	Capacity		Driver input voltage (V)	Power (W) @75 Hz	Speed range (RPM)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil Charge (L)	Noise sound power (dBA)	Single/Tanden
		(W)	(Btu/h)									
ZPV/ZPW030DE	4.0	12,250	41,800	220 380	3,780	900-7200	3.24	11.1	29.5	1.18	74.0	Single
ZPV/ZPW038DE	5.0	16,130	55,100	220 380	4,870	900-7200	3.31	11.3	38.3	1.18	74.0	Single
ZPV/*ZPW050DE	7.0	20,380	69,600	220 380	6,270	1200-7200	3.25	11.1	48.9	1.18	75.0	Single

R410A Commercial variable speed compressors

The following models may be equipped with EVI function. The corresponding model name is JPW.

Model	(HP)	Capacity		Driver input voltage (V)	Power (W) @75 Hz	Speed range (RPM)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil Charge (L)	Noise sound power (dBA)	Single/Tanden
		(W)	(Btu/h)									
JPV/JPW053AC	8.0	21,500	73,380	380	7,160	1200-8400	3.00	10.2	53.0	1.20	75.0	Single/Tandem
JPV/JPW066AC	10.0	27,000	92,150	380	8,600	1200-8400	3.14	10.7	65.4	1.20	75.0	Single/Tandem
*JPV/JPW079AC	12.0	33,000	112,630	380	10,120	1200-7200	3.26	11.1	79.0	1.20	78.0	Single/Tandem

R410A Commercial variable speed compressors (System air cooling, chilled water and rooftop systems)

Model	(HP)	Capacity		Driver input voltage (V)	Power (W) @75 Hz	Speed range (RPM)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil Charge (L)	Noise sound power (dBA)	Single/Tanden
		(W)	(Btu/h)									
ZPV066	10.0	33,070	112,870	200/230/380/400/460/575	10,270	1000~7200	3.22	11.0	66.0	2.51	83.0	Single/Tandem
*ZPV/ZPW080	12.0	40,600	138,570	200/230/380/400	12,280	1200~7200	3.31	11.3	80.0	2.51	84.0	Single/Tandem
ZPV096	15.0	49,420	168,670	200/230/380/400/460/575	14,830	1200~7200	3.33	11.4	96.0	2.51	84.0	Single/Tandem

R410A Water chilled compressors (Module machine)

Model	(HP)	Capacity		Driver input voltage (V)	Power (W) @75 Hz	Speed range (RPM)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil Charge (L)	Noise sound power (dBA)	Single/Tanden
		(W)	(Btu/h)									
ZPV/ZPW100	25.0	71,500	244,000	200/230/380/400	22,340	1800~8400	3.20	10.9	98.0	2.51	90.0	Single/Tandem

R32 Inverter scroll compressor

Model	(HP)	Capacity		Driver input voltage (V)	Power (W) @75 Hz	Speed range (RPM)	COP (W/W)	EER (Btu/ Wh)	Displacement (cc/ Rev.)	Oil Charge (L)	Noise sound power (dBA)	Single/Tanden
		(W)	(Btu/h)									
*YPV/YPW030LT	4.0	13,100	44,740	220 380	4,100	900-7200	3.20	10.9	29.5	1.18	73.0	Single
*YPV/YPW038LT	5.0	17,300	59,100	220 380	5,250	900-7200	3.30	11.3	38.3	1.18	73.0	Single
*YPV/W080	12.0	35,800	122,200	200/230/380/400	10,529	1200~7200	3.40	11.6	80.0	2.51	84.0	Single

Note:
All values as per AHRI test standards: Evaporating temperature: 7.2 °C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35 °C
All inverter compressors can be equipped with Emerson inverters, please consult local sales.
*Preliminary data

General information

Technical data are correct at the time of printing. Updates may occur, and should you needconfirmation of a specific value, please contact Copeland clearly stating the information required.Copeland cannot be held responsible for errors in capacities, dimensions, etc., stated herein. Products, specifications and data in this literature are subject to change without notice. The information given herein is based on data and tests which Copeland believes to be reliable and which are in accordance with today's technical knowledge. It is intended for use by persons having the appropriate technical knowledge and skill, at their own discretion and risk. Our products are designed and adapted for fixed locations. For mobile applications, failures may occur. The suitability for this has to be assured from the plant manufacturer, which may include making appropriate tests.

Note:

The components listed in this catalogue are not released for use with caustic, poisonous or flammable substances. Copeland cannot be held responsible for any damage caused by using these substances.

Notes

Notes

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About Copeland

Copeland, a global provider of sustainable climate solutions, combines category-leading brands in compression, controls, software and monitoring for heating, cooling and refrigeration. With best- in-class engineering and design and the broadest portfolio of modulated solutions, we're not just setting the standard for compressor leadership; we're pioneering its evolution. Combining our technology with our smart energy management solutions, we can regulate, track and optimize conditions to help protect temperature-sensitive goods over land and sea, while delivering comfort in any space. Through energy-efficient products, regulation-ready solutions and expertise, we're revolutionizing the next generation of climate technology for the better.

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