

BALDOR® • RELIANCE

Product Information Packet

IR3507M

.75HP, 1725RPM, 1PH, 60HZ, 56, 3524L, TEFC, F1

Part Detail

Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGT918	CD Diagram:	CD0831A02	Mfg Plant:	
Mech. Spec:	35K634	Layout:	35LYK634	Poles:	04	Created Date:	02-17-2010
Base:	RG	Eff. Date:	01-19-2017	Leads:	6#18,1#16 #4TH		

Specs

Catalog Number:	IR3507M	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.750 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	208.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3524L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	76
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Product Type:	FARM DUTY
Auxiliary Box:	No Auxiliary Box	Pulley End Bearing Type:	Ball
Auxiliary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	4.600 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	4.800 A @ 208.0 V	Shaft Rotation:	Reversible
	9.200 A @ 115.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	N	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Manual Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	KO
		Winding Thermal 2:	None

Nameplate NP1280L

CAT.NO.	IR3507M										
SPEC.	35K634T918G1										
HP	.75										
VOLTS	115/208-230										
AMP	9.2/4.8-4.6										
RPM	1725										
FRAME	56			HZ	60		PH	1			
SER.F.	1.00			CODE	K		DES	N		CL	F
NEMA-NOM-EFF	70			PF	76						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							
DE	6205			ODE	6203						
ENCL	TEFC			SN							

AC Induction Motor Performance Data

Record # 61270 - Typical performance - not guaranteed values

Winding: 35WGT918-R004	Type: 3524L	Enclosure: TEFC
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.3 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	9.2/4.8-4.6			Breakdown Torque	5.3 LB-FT
R.P.M.	1725			Pull-up Torque	5 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.7 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	54 A
Service Factor (S.F.)	1			No-load Current	5.4 A
NEMA Nom. Eff.	70	Power Factor	76	Line-line Res. @ 25°C	0.905 Ω A Ph 1.82 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	42	58	72	78	83	84
Efficiency	54	67.7	72.9	74.2	73.8	71.8
Speed	1785	1773	1759	1744	1725	1703
Line amperes	5.6	6.4	7.2	8.6	10	12

Performance Graph at 115V, 60Hz, 0.75HP Typical performance - Not guaranteed values





