RED LION®

PRODUCT **CATALOG**

CLEANWATER • LAWN & IRRIGATION • SUMP • EFFLUENT/SEWAGE • MULTI-PURPOSE • ENGINE DRIVE



Technical Service Line: 888.885.9254

redlionproducts.com

RED LION®

VALUE BEYOND THE PUMP

SUPPORT THAT GETS YOU READY FOR ANYTHING

Red Lion is more than just proven product. It's a complete strategic program of marketing and sales training that gets you up and running quickly and helps your team answer questions confidently. Before our product even hits your shelves, we've got your back with marketing materials, planograms and informational in-store literature that maximizes placement and helps tell the Red Lion story. Our online Red Lion University delivers sales training that makes your frontline team experts at helping customers find exactly what they need. And our sales-driven, customer-forward packaging gets product into people's hands so they're ready to buy.

PROGRAMS & PEOPLE THAT STRENGTHEN YOUR BUSINESS

- Robust dealer website with downloadable specs, selection guides, and sell sheets.
- Professional digital assets, including product images and advertising, to help you promote the productions you stock.
- Dedicated Red Lion sales manager and customer success specialist that know your account and are ready to provide answers when and how you need them.

ABOUT US

Since 1935, Red Lion has delivered quality pumping products that help our customers move water reliably, even in the toughest conditions. Backed by a global company with expertise in the development of industry-leading water systems, our promise is to be there for our customers with pumping solutions and technical support that help them own, install and operate our equipment with confidence.



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Every effort has been made to ensure the accuracy of the information provided in this catalog. Red Lion reserves the right to change any information contained in this catalog without notice. Stenographic and clerical errors are subject to corrections.

RED LION

PREMIUM SHALLOW WELL JET PUMPS

APPLICATIONS

Ideal for the supply of fresh water to rural homes, farms, and cabins that have suction lifts down to 25'.



FEATURES & BENEFITS

- High performance shallow well jet pump able to handle the water demands of large homes, cottages, and farms
- Rugged cast iron casing for years of service and reliability
- Heavy-duty dual voltage (115/230V) motor with capacitor for increased starting power
- Includes 30/50 Pressure Switch set to shut pump off automatically at 50 psi
- Glass-filled thermoplastic impeller and diffuser for superior performance and efficient water flow
- Tested and certified by CSA to UL 778 and CSA 108 for electrical safety and NSF/ANSI 372 for lead free compliance

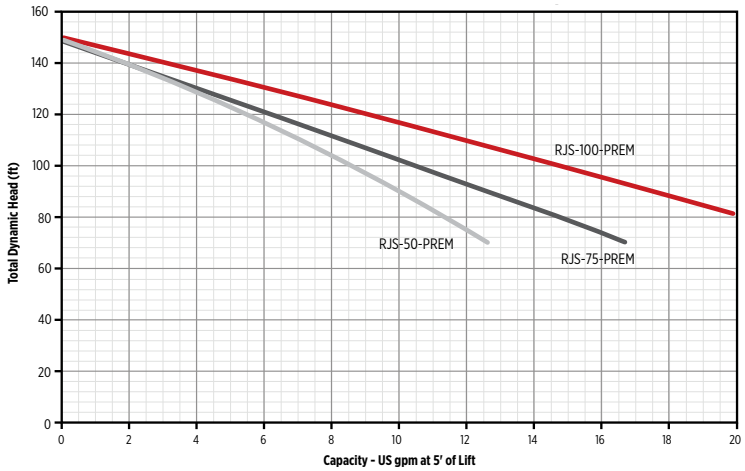
C SP US

3 THREE YEAR WARRANTY

Model	Item No.	UPC	HP	Volts	Amps	Intake	Discharge	Suction Lift	Discharge Pressure (PSI) Gallons Per Minute 30	40	50	60	Max Pressure (PSI)	Max Head
RJS-50-PREM	602206	0 10121 14702 7	1/2	115/230	11.8 A @ 115V 5.9 A @ 230V	1-1/4" FNPT	1" FNPT	5'	12.6	10	6.1	2	65	150'
								15'	10	7.9	4	-	60	139'
								25'	6.9	6.2	2.5	-	55	127'
RJS-75-PREM	602207	0 10121 14704 1	3/4	115/230	14.4 A @ 115V 7.2 A @ 230V	1-1/4" FNPT	1" FNPT	5'	16.7	12.6	7.2	1.8	65	150'
								15'	13.1	10.2	4.7	-	60	139'
								25'	8.4	7.2	2.9	-	55	127'
RJS-100-PREM	602208	0 10121 14705 8	1	115/230	17.6 A @ 115V 8.8 A @ 230V	1-1/4" FNPT	1" FNPT	5'	23.2	16.8	10.6	3.5	65	150'
								15'	19.5	14.1	7.7	-	60	139'
								25'	13.3	11.5	5.3	-	55	127'

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RJS-50-PREM	10.5"	20.5"	10.25"	38	1.28	56	8	7
RJS-75-PREM	10.5"	20.5"	10.25"	39	1.28	56	8	7
RJS-100-PREM	10.5"	20.5"	10.25"	40	1.28	56	8	7





1/4" MNPT Pressure Gauge Included

REPAIR PARTS/KITS

Refer to Product Owner's Manual for a list of available Repair Parts.

CAST IRON SHALLOW WELL JET PUMPS

APPLICATIONS

Ideal for the supply of fresh water to rural homes, farms, and cabins that have suction lifts down to 25'.



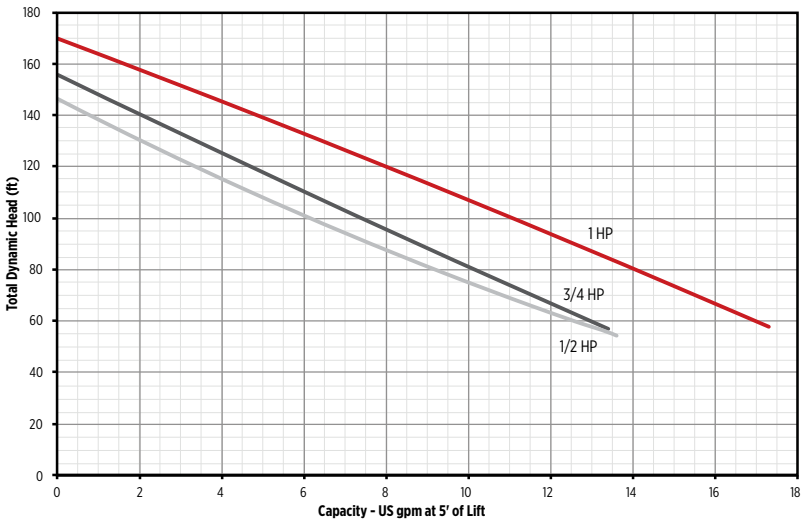
FEATURES & BENEFITS

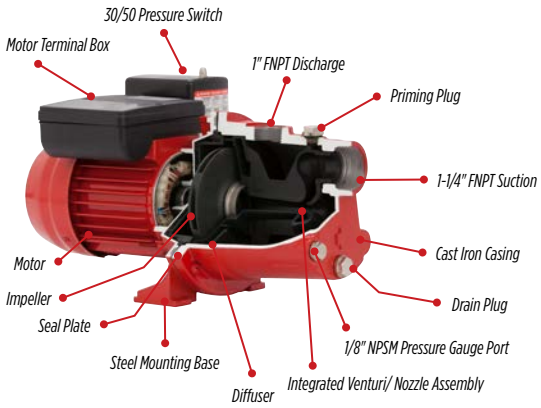
- Shallow well jet pump ideal for use in shallow wells less than 25' deep
- Heavy-duty cast iron construction for years of service and reliability
- Includes 30/50 Pressure Switch set to shut pump off automatically at 50 psi
- 115/230V heavy-duty motor; TEFC design with simple connection to existing power source

Model	Item No.	UPC	HP	Volts	Amps	Intake	Discharge	Suction Lift	Discharge Pressure (PSI) Gallons Per Minute 20	30	40	50	60	Max Pressure (PSI)	Max Head
RL-SWJ50	97080502	0 10121 14671 6	1/2	115/230	8.4 A @ 115V 4.2 A @ 230V	1-1/4" FNPT	1" FNPT	5'	13.6	12.6	7.3	3.4	1	64	148'
								15'	9.7	9.5	5.5	2.8	0.3	60	139'
								25'	4.7	5	4.1	1.7	-	57	133'
RL-SWJ75	97080701	0 10121 14672 3	3/4	115/230	9 A @ 115V 4.5 A @ 230V	1-1/4" FNPT	1" FNPT	5'	13.4	13	9.1	4.8	1.5	70	161'
								15'	9.8	9.7	7.2	3.4	0.8	66	152'
								25'	4.4	5.2	4.8	1.8	0.4	62	144'
RL-SWJ100	97081001	0 10121 14673 0	1	115/230	13.2 A @ 115V 6.6 A @ 230V	1-1/4" FNPT	1" FNPT	5'	17.3	17	12.9	8.5	4.4	74	172'
								15'	12.7	12.4	10.9	7	2.7	72	166'
								25'	6.7	6.5	6.6	5.2	2	68	156'

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SWJ50	12"	17.25"	11.75"	23	1.41	64	8	8
RL-SWJ75	12"	17.25"	11.75"	24.55	1.41	64	8	8
RL-SWJ100	12"	17.25"	11.75"	30.55	1.41	64	8	8





REPAIR PARTS/KITS

Refer to Product Owner's Manual for a list of available Repair Parts.

SHALLOW WELL JET PUMP

APPLICATIONS

Ideal for the supply of fresh water to rural homes, farms, and cabins that have suction lifts down to 25'.

FEATURES & BENEFITS

- Shallow well cast-iron jet pump
- Ideal for use in pumping at depths of 25' or less
- Includes 30/50 Pressure Switch set to shut pump off automatically at 50 psi
- 115/230V heavy-duty motor
- TEFC design with simple connection to existing power source



C SA US

ONE YEAR WARRANTY

Model	HP	Intake	Discharge	Volts	Amps	Suction Lift	Disharge Pressure (PSI) Gallons per minute					Max Pressure (PSI)	Max Head
							20	30	40	50	60		
PWJET50	1/2	1-1/4" FNPT	1" FNPT	115/230	6.6 A @ 115V 3.3 A @ 230V	5'	9.8	7.4	4	1.3	0.2	63	145'
						15'	6.7	5.9	2.9	1	-	59	137'
						25'	3.3	3.6	2	0.7	-	56	129'

Model	Item No.	UPC	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per layer	Layers per pallet
PWJET50	97080501	0 10121 14686 0	12"	17.25"	11.75"	23	1.41	64	8	8



REPAIR PARTS/KITS

Refer to Product Owner's Manual for a list of available Repair Parts.

STAINLESS STEEL SHALLOW WELL JET PUMPS

APPLICATIONS

Ideal for supply of fresh water to rural homes, farms, and cabins that have suction lifts down to 25′.



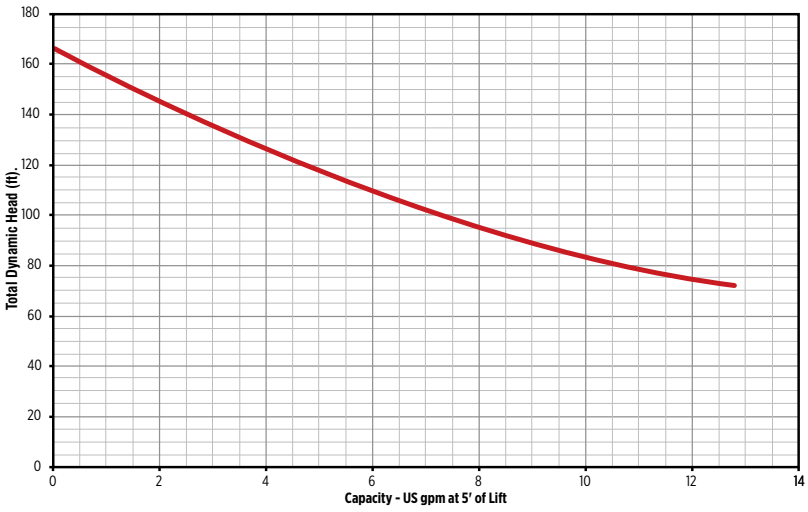
FEATURES & BENEFITS

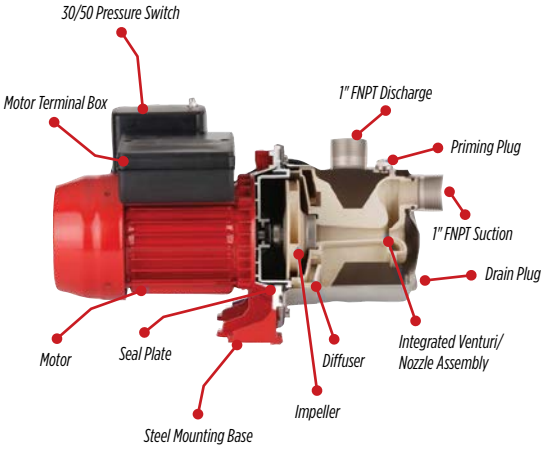
- Shallow well stainless steel jet pump is ideal for use in pumping at depths of 25′ or less
- Corrosion-resistant stainless steel pump housing suitable for aggressive water conditions
- Includes 30/50 Pressure Switch set to shut pump off automatically at 50 psi
- 115/230V heavy-duty motor; TEFC design with simple connection to existing power source

Model	Item No.	UPC	HP	Volts	Amps	Intake/ Discharge	Pressure Gauge Port	Suction Lift	Discharge Pressure (PSI) Gallons Per Minute 30	40	50	60	Max Pressure (PSI)	Max Head
RJS-75SS	97080702	0 10121 14939 7	3/4	115/230	9.0 A @ 115V 4.5 A @ 230V	1″ FNPT	1/8″ NPSM	5′	12.8	9.1	5.3	2.1	73	169′
								15′	9.4	7.4	3.9	1.7	68	158′
								25′	5.4	4.9	2.7	0.2	65	150′

CARTON SPECIFICATIONS

Model	Length (in)	Width (in)	Height (in)	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RJS-75SS	12.25″	17.5″	11.75″	18.5	1.46	24	6	4





REPAIR PARTS/KITS

Refer to Product Owner's Manual for a list of available Repair Parts.

PREMIUM CAST IRON CONVERTIBLE JET PUMPS

APPLICATIONS

Ideal for the supply of fresh water to rural homes, farms, and cabins that have suction lifts down to 90'.



FEATURES & BENEFITS

- Convertible jet pump with deep well injector is ideal for use in shallow well (less than 25') and deep well (25' to 90') applications
- Rugged cast iron casing for years of service and reliability
- Premium, heavy-duty, dual voltage (115/230V) motor features copper windings to ensure high efficiency and dependable motor life
- Includes 30/50 Pressure Switch set to shut pump off automatically at 50 psi
- Glass-filled thermoplastic impeller and diffuser for high performance and efficient water flow

C SP US

3 THREE YEAR WARRANTY

Model	Item No.	UPC	HP	Volts	Amps	Intake	Discharge	No. of Pipes	Suction Lift	Discharge Pressure (PSI) Gallons Per Minute 30	40	50	60	Max Press. (PSI)	Max Head	Max Flow (GPM)
RJC-50-PREM	602136	0 10121 15110 9	1/2	115/230	14.4 A @ 115V 7.2 A @ 230V	1-1/4" FNPT	1" FNPT	1	5'	14.2	10.2	5.9	1.8	64	149'	14.2
								1	15'	13.5	9.1	4.4	-	60	139'	
								2	25'	9.6	7.4	2.4	-	56	129'	
								2	30'	5.8	3.7	1.8	0.2	62	143'	
								2	60'	4.3	2.7	1.4	0.3	63	146'	
								2	90'	1.6	0.7	0.1	-	51	119'	
RJC-75-PREM	602137	0 10121 15111 6	3/4	115/230	17.6 A @ 115V 8.8 A @ 230V	1-1/4" FNPT	1" FNPT	1	5'	16.2	12.2	8	3.7	68	158'	16.2
								1	15'	14.3	10.6	6.1	1.3	64	147'	
								2	25'	9.8	8.9	4.7	-	61	141'	
								2	30'	7.2	4.8	2.8	1.2	69	159'	
								2	60'	5.4	3.7	2.2	1.1	73	169'	
								2	90'	2.2	1.3	0.4	-	58	133'	

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RJC-50-PREM	10.5"	20"	10.5"	43.8	1.28	56	8	7
RJC-75-PREM	10.5"	20"	10.75"	45.7	1.31	56	8	7





Pressure Gauge and Injector Kit Included

REPAIR PARTS/KITS

Refer to Product Owner's Manual for a list of available Repair Parts.

HIGH PERFORMANCE CAST IRON CONVERTIBLE JET PUMP

APPLICATIONS

Ideal for the supply of fresh water to rural homes, farms, and cabins that have suction lifts down to 90'.



FEATURES & BENEFITS

- Convertible jet pump with deep well injector is ideal for use in shallow well (less than 25') and deep well (25' to 90') applications
- Rugged cast iron casing is ideal for supplying fresh water to rural homes, farms, and cabins
- Heavy-duty motor, 115/230V for years of service and reliability
- Includes 30/50 Pressure Switch set to shut pump off automatically at 50 psi
- Glass-filled thermoplastic impeller and diffuser for high performance and efficient water flow

2 TWO YEAR WARRANTY

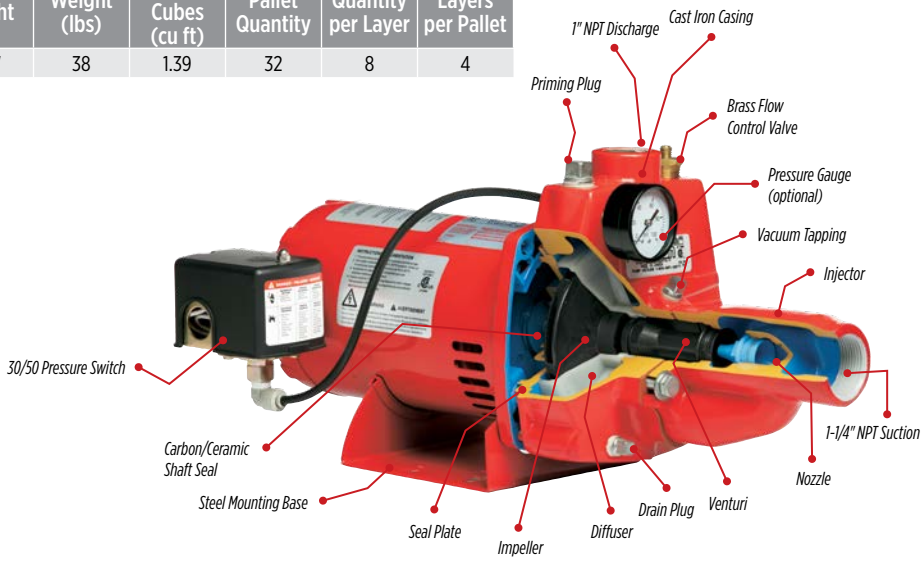
Model	Item No.	UPC	HP	Volts	Amps	Intake	Discharge	No. of Pipes	Total Suction Lift	Discharge Pressure (PSI) Gallons Per Minute 20	30	40	50	60	Max Press. (PSI)	Max Head	Max Flow (GPM)
RJC-100	602038	0 10121 12284 0	1	115/230	17.0 A @ 115V 8.5 A @ 230V	1-1/4" FNPT	1" FNPT	1	5'	20.0	19.9	16.7	11.1	5.6	71.0	164'	20
								1	15'	14.5	14.1	13.6	8.7	3.3	66.7	154'	
								2	20'	-	10.5	7.3	5.2	3.6	87.0	201'	
								2	50'	-	7.2	5.0	3.4	1.9	74.0	171'	
								2	90'	-	3.4	1.9	0.7	-	56.7	131'	

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RJC-100	10.33"	20.25"	11.5"	38	1.39	32	8	4



Injector Kit Included



Pressure gauge not included

REPAIR PARTS/KITS

Refer to Product Owner's Manual for a list of available Repair Parts.

CONVERTIBLE JET PUMPS

APPLICATIONS

Ideal for the supply of fresh water to rural homes, farms, and cabins that have suction lifts down to 70'.



FEATURES & BENEFITS

- Convertible jet pump with deep well injector. Ideal for use in shallow wells (less than 25') and deep wells (25' to 70')
- Rugged cast iron casing. For years of service and reliability
- Heavy-duty motor, 115/230V; factory set to 230V
  Simple connection to existing power source
- Includes 30/50 Pressure Switch set to shut pump off automatically at 50 psi
- Glass-filled thermoplastic impeller and diffuser for high performance and efficient water flow
- Injector kit included

C SA US

2 TWO YEAR WARRANTY

Model	Item	UPC	HP	Intake	Discharge	Volts	Amps	No. of Pipes	Suction Lift	Discharge Pressure U.S. gallons per minute/ Liters per minute				Max Pressure (PSI)	Max Head
										30 psi	40 psi	50 psi	60 psi		
PW-CJ50	97090501	0 10121 15115 4	1/2	1-1/4" FNTP	1" FNTP	115/230	13.2 A @ 115V 6.6 A @ 230V	1	5' 1.5 m	7.9 30 L	7.2 27 L	4.8 18 L	3.1 12 L	86 psi	198' 60.4 m
									15' 4.6 m	6.2 23 L	5.7 22 L	4.1 16 L	2.6 10 L	81 psi	188' 57.3 m
								2	30' 9.1 m	6.3 24 L	3.9 15 L	2 8 L	0.5 2 L	64 psi	147' 44.8 m
									50' 15.2 m	3.6 14 L	2.3 9 L	1.3 5 L	0.5 2 L	69 psi	160' 48.8 m
									70' 21.3 m	2 8 L	1 4 L	0.3 1 L	- -	55 psi	128' 39 m
PW-CJ75	97090701	0 10121 15116 1	3/4	1-1/4" FNTP	1" FNTP	115/230	14.2 A @ 115V 7.1 A @ 230V	1	5' 1.5 m	8.1 31 L	7.9 30 L	6.2 23 L	4 15 L	86 psi	199' 60.7 m
									15' 4.6 m	6.4 24 L	6.3 24 L	5.1 19 L	3.2 12 L	82 psi	190' 57.9 m
								2	30' 9.1 m	7.5 28 L	5.1 19 L	3 11 L	1.3 5 L	69 psi	160' 48.7 m
									50' 15.2 m	4.4 17 L	3 11 L	1.9 7 L	1 4 L	76 psi	176' 53.6 m
									70' 21.3 m	2.5 9 L	1.6 6 L	0.7 3 L	0.1 0.4 L	62 psi	143' 43.6 m

Model	Length	Width	Height	Weight (lbs)	Carton Cubes	Pallet Quantity	Quantity per Layer	Layers per Pallet
PW-CJ50	10.25"	20"	10"	36	1.19	32	8	4
PW-CJ75	10.25"	20"	10"	37	1.19	32	8	4

REPAIR PARTS/KITS

Refer to Product Owner's Manual for a list of available Repair Parts.

PRE-CHARGED PRESSURE TANKS

APPLICATIONS

For maintaining the water pressure in a residential water pump system when the pump is not running.

FEATURES & BENEFITS

- Heavy-duty 20-gauge steel construction
- 304 Stainless Steel water connection with patented leak safe technology
- High-performance variable geometry Butyl Rubber diaphragm membrane
- Internal polypropylene liner
- Certified for safe, clean drinking water NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 approved
- Can be installed in series or in parallel for increased system capacity



Inline



Vertical



Horizontal

Model	Item	UPC	Gallons	Drawdown @ 30/50 psi (gal)	Fixtures	Type	System Connection
RL2A	604652	0 10121 01400 8	2.0	0.7	-	Inline	3/4" MNPT Straight
RL4A	604653	0 10121 01401 5	4.5	1.5	-	Inline	3/4" MNPT Straight
RL6AH	604629	0 10121 01402 2	6.0	1.9	1	Horizontal	3/4" MNPT Straight
RL14AH	604693	0 10121 01403 9	14.0	4.8	4	Horizontal	3/4" MNPT Straight
RL14A	604687	0 10121 01404 6	14.0	4.9	4	Vertical	1" FNPT Elbow
RL20A	604682	0 10121 01405 3	20.0	7.2	6	Vertical	1" FNPT Elbow
RL34A	604683	0 10121 01406 0	34.0	10.8	11	Vertical	1" FNPT Elbow
RL44A	604684	0 10121 01407 7	44.0	12.7	14	Vertical	1-1/4" FNPT Elbow
RL81A	604641	0 010121 02226 3	81.0	27.6	27	Vertical	1-1/4" FNPT Elbow
RL81A-ECOM	64641ECOM	0 010121 02634 6	81.0	27.6	27	Vertical	1-1/4" FNPT Elbow

5 FIVE YEAR WARRANTY

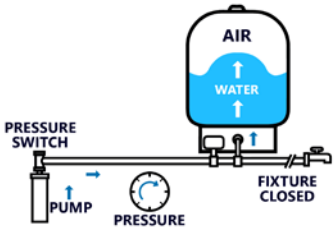
TESTED AND CERTIFIED WaterQuality UNDER INDUSTRY STANDARDS

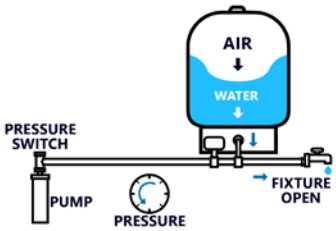
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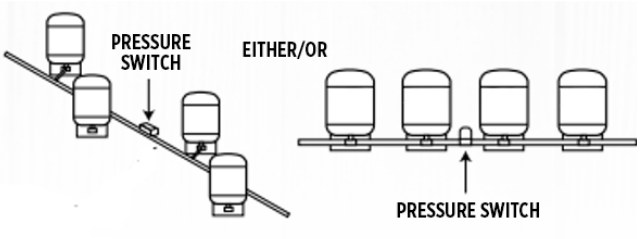
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NSF/ANSI/CAN 372 by WQA

CARTON SPECIFICATIONS

Model	Item	Length	Width	Height	Weight (lbs)	Carton Cube (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL2A	604652	8.3	8.3	12.6	5.1	0.50	150	25	6
RL4A	604653	11.0	11.0	15.4	8.4	1.08	80	16	5
RL6AH	604629	16.9	11.8	13.4	11.2	1.55	50	10	5
RL14AH	604693	21.3	15.7	17.7	24.7	3.43	24	6	4
RL14A	604687	15.7	15.7	24.4	23.6	3.50	30	6	5
RL20A	604682	17.7	17.7	27.6	32.2	5.00	15	3	5
RL34A	604683	17.7	17.7	41.7	51.1	7.58	8	4	2
RL44A	604684	21.7	21.7	37.0	60.0	10.04	8	4	2
RL81A	604641	21.7	21.7	58.7	101.2	15.91	2	2	1
RL81A-ECOM	64641ECOM								







NOTE: Vertical tanks may be mounted horizontally. Inline tanks may be mounted either upside down or horizontally. All tanks must be properly supported, as pressure on the connections can lead to failure, which is not covered under warranty.

PUMP & TANK SYSTEMS

APPLICATIONS

Ideal for the supply of fresh water to rural homes, farms, and cabins where compact system size and ease of installation are most important.

FEATURES & BENEFITS

- Jet pump and pre-charged pressure tank are factory assembled and ready to install
- Pump casing is made of rugged cast iron
- High-performance variable geometry Butyl Rubber diaphragm membrane
- Low profile, compact horizontal pressure tank
- Includes factory pre-set 30/50 pressure switch
- Heavy-duty 115/230V dual voltage motor



RL-SWJ50/RL6H



RJS-50/RL6H



RJC-50/RL6H



Model	Item No.	UPC	HP	Gal.	Volts	Amps	Intake	Discharge	Press. Gauge Port	Suc. Lift	No. of Pipes	Discharge Pressure (PSI) Gallons Per Minute 20	30	40	50	60	Max Press. (PSI)	Max Head
RL-SWJ50/RL6H	97080503	0 10121 14942 7	1/2	5.8	115/230	8.4 A @ 115V 4.2 A @ 230V	1-1/4" FNPT	1" FNPT	1/8" NPSM	5'	1	13.6	12.6	7.3	3.4	1	64	148'
										15'	1	9.7	9.5	5.5	2.8	0.3	60	139'
										25'	1	4.7	5	4.1	1.7	0	57	133'
*RJS-50/RL6H	602099	0 10121 12241 3	1/2	6.0	115/230	11.2 A @ 115V 5.6 A @ 230V	1-1/4" FNPT	3/4" FNPT	1/4" NPT	5'	1	12.8	12.3	11.2	6.9	2	64.2	148'
										15'	1	9.8	9.6	9.4	4.7	-	59.9	138'
										25'	1	5.6	5.5	5.3	2.3	-	55.5	128'
*RJC-50/RL6H	602102	0 10121 12240 6	1/2	6.0	115/230	11.2 A @ 115V 5.6 A @ 230V	1-1/4" FNPT	3/4" FNPT	1/4" NPT	5'	1	11.1	10.9	10.7	7.4	4.5	76.2	176'
										15'	1	8.1	7.9	7.7	5.9	3.1	71.7	165'
										20'	2	-	9.2	6.5	4.5	2.9	85	196'
										50'	2	-	5.8	4	2.4	1.3	72	166'
										80'	2	-	3.4	2.2	1	-	59	136'

*Pressure tank is tested and certified by WQA under NSF/ANSI/CAN Standard 61 for material safety and NSF/ANSI 372 for lead free compliance
*Jet pump is tested and certified by CSA to UL 778 and CSA 108 for electrical safety and NSF/ANSI 372 for lead free compliance

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SWJ50 / RL6H	22.85"	14.5"	25.25"	38.4	4.84	12	6	2
RJS-50 / RL6H	24.6"	14"	26"	53	5.18	12	6	2
RJC-50 / RL6H	24.6"	12.6"	27"	54	4.84	12	6	2

ADDITIONAL FEATURES

Model	Includes
RL-SWJ50 / RL6H	Pressure gauge
RJS-50 / RL6H	Pressure gauge, foot valve
RJC-50 / RL6H	Injector, pressure gauge, foot valve

REPLACEMENT HOSE KIT

Model	Item	Description
SWJ	305592001	1" Pump connection to 1" Tank connection
RJS/RJC	640005	1" Pump connection to 3/4" Tank connection

REPAIR PARTS/KITS

Refer to Product Owner's Manual for a list of available Repair Parts.

PUMP & TANK SYSTEMS

APPLICATIONS

Ideal for the supply of fresh water to rural home, farms and cabins where compact system size and ease of installation are most important.

FEATURES & BENEFITS

- Jet Pump and Pre-charged Pressure Tank are factory assembled and ready to install
- Pump casing and tank are made of corrosion-resistant stainless steel
- Pre-charged stainless steel tank has high grade Butyl diaphragm water chamber - 15 US Gallons (57 Litres). Low profile, compact horizontal pressure tank
- Shallow well jet pump - 3/4 HP, 115/230V
- Pressure gauge and factory pre-set 30/50 pressure switch included
- See Owner's Manual for available Repair Kits



RJS-75SS/RL15HS





Model	Item No.	UPC	HP	Gal.	Volts	Amps	Intake/ Discharge	Press. Gauge Port	Suc. Lift	No. of Pipes	Discharge Pressure (PSI) 30	40	50	60	Max Press. (PSI)	Max Head
											Gallons Per Minute					
RJS-75SS/RL15HS	602240	0 029753 00599 5	3/4	15.0	115/230	9.0A @ 115V 4.5A @ 230V	1" FNPT 1" FNPT	1/8" NPSM	5' 1.5 m	1	12.8 48.5 L	9.1 34.4 L	5.3 20.1 L	2.1 7.9 L	73 PSI	169' 51.5 m
									15' 4.6 m	1	9.4 35.6 L	7.4 28.0 L	3.9 14.8 L	1.7 6.4 L	68 PSI	158' 48.2 m
									25' 7.6 m	1	5.4 20.4 L	4.9 18.5 L	2.7 10.2 L	0.2 0.8 L	65 PSI	150' 45.7 m

CARTON SPECIFICATIONS

	Model	Length	Width	Height	Weight (lbs)	Carton Cube (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
Product only	RJS-75SS/RL15HS	22.7" 57.6 cm	15.8" 40.0 cm	25.9" 65.9 cm	36.22 (16.43 kgs)				
Product in carton	RJS-75SS/RL15HS	25.2" 64.0 cm	17.7" 45.0 cm	28.0" 71.0 cm	44.14 (20.02 kgs)	7.221	12	4	3

REPAIR PARTS/KITS

Refer to Product Owner's Manual for a list of available Repair Parts.

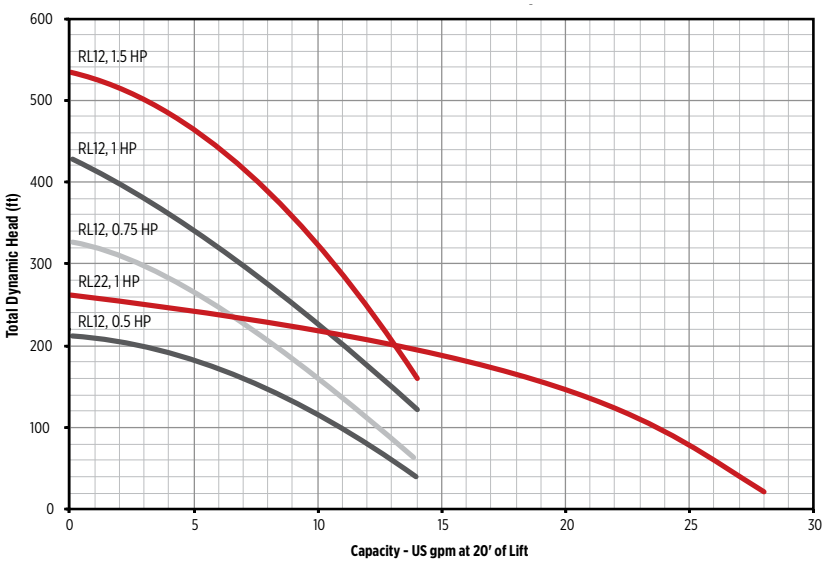
4" SUBMERSIBLE WELL PUMPS – RL SERIES

APPLICATIONS

Ideal for the supply of fresh water to rural homes, farms, and cabins that have 4" and greater diameter drilled wells to depths of 250'.

FEATURES & BENEFITS

- Powered by industry standard 2- or 3-wire motors
- Thermoplastic discharge and motor bracket
- Stainless steel pump shell
- Built-in suction screen and check valve
- 12 gpm and 22 gpm models available
- 1-1/4" FNPT discharge
- Motors are rated for continuous duty
- Control box included with all 3-wire pumps (1/2–1 hp)





3 THREE YEAR WARRANTY

C SP US

CARTON SPECIFICATIONS

Model	Item No.	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL12G05-2W1V	14942401	4.5"	4.375"	34.5"	25	.35	40	8	5
RL12G05-2W2V	14942402	4.5"	4.375"	34.5"	25	.36	40	8	5
RL12G07-2W2V	14942403	4.5"	4.375"	34.5"	29	.36	40	8	5
RL12G10-2W2V	14942404	4.5"	4.375"	29"	33	.37	40	8	5
RL12G05-3W2V	14942405	4.5"	5.5"	38"	28	.59	40	8	5
RL12G07-3W2V	14942406	4.5"	5.5"	38"	32	.59	40	8	5
RL12G10-3W2V	14942407	4.5"	5.5"	44"	36	.72	40	8	5
RL12G15-3W2V	14942408	4.5"	4.5"	39"	41	.48	40	8	5
RL22G10-3W2V	14942409	4.5"	5.5"	44"	39	.67	40	8	5

Nomenclature: RL = Red Lion, 12G = 12 Gallon, ## = HP (05 =1/2, 07= 3/4, 10 = 1, 15 = 1.5), # W = Number of Wires, # V = Voltage (1 = 115, 2 = 230), SP = Sub-Pac
Example: RL12G05-2W1V = 12 Gallon, 1/2 hp, 2-wire, 115Volt

4" SUBMERSIBLE WELL PUMPS – RL SERIES

Model	Item No.	UPC	HP	Wires	Volts	Amps	PSI	Depth to Pumping Water Level (ft)																			Shut-Off (ft)	Rated Flow (GPM)
								0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500		
								Gallons Per Minute																				
RL12G05-2W1V	14942401	0 10121 14177 3	0.5	2	115	12	0					14	13	12	11	9	8	6									212	12
							10				14	13	12	10	9	7	6											
							20			14	13	11	10	9	7													
							30	14	13	12	11	10	9	7														
							40	13	12	11	10	8	7															
							50	12	11	10	8	6																
							60	11	9	8	6																	
							70	9	8	6																		
							80	7																				
							Shut off PSI	102	93	84	76	67	58	50	41	32	24	15										
RL12G05-2W2V RL12G05-3W2V*	14942402 14942405	0 10121 14178 0 0 10121 14181 0	0.5	2 3	230	6	0					14	13	12	11	9	8	6									212	12
							10				14	13	12	10	9	7	6											
							20			14	13	11	10	9	7													
							30	14	13	12	11	10	9	7														
							40	13	12	11	10	8	7															
							50	12	11	10	8	6																
							60	11	9	8	6																	
							70	9	8	6																		
							80	7																				
							Shut off PSI	102	93	84	76	67	58	50	41	32	24	15										
RL12G07-2W2V RL12G07-3W2V*	14942403 14942406	0 10121 14179 7 0 10121 14182 7	0.75	2 3	230	8	0						14	14	13	12	11	11	9	6							333	12
							10					14	14	13	12	11	10	10	7									
							20				14	13	13	12	11	10	9	8	6									
							30			14	13	13	12	11	10	9	8	7										
							40		14	13	12	12	11	10	9	8	7	6										
							50	14	13	12	12	11	10	9	8	7												
							60	13	12	11	11	10	9	8	7													
							70	12	11	11	10	9	8	6														
							80	11	10	9	8	7	6															
							Shut off PSI	144	135	127	118	110	101	92	84	75	66	58	40	23								
RL12G10-2W2V RL12G10-3W2V*	14942404 14942407	0 10121 14180 3 0 10121 14183 4	1	2 3	230	10.4	0								14	14	13	13	11	10	8	7					434	12
							10							14	14	13	12	12	11	9	7							
							20						14	14	13	12	12	11	10	8	6							
							30					14	13	13	12	12	11	10	9	7								
							40			14	14	13	13	12	12	11	10	10	8	6								
							50		14	14	13	13	12	11	11	10	9	9	7									
							60	14	14	13	13	12	11	11	10	9	8	8	6									
							70	14	13	13	12	11	11	10	9	8	7	6										
							80	13	12	12	11	11	10	9	8	7	6											
							Shut off PSI	188	179	171	162	153	145	136	127	119	110	101	84	67	49	32						
RL12G15-3W2V	14942408	0 10121 14184 1	1.5	3	230	11.5	0									14	14	14	13	12	11	10	9	8	7	6	548	12
							10								14	14	14	13	13	12	11	10	9	8	6	6		
							20							14	14	14	13	13	12	11	10	9	8	7	5			
							30						14	14	14	13	13	12	12	11	10	9	7	6				
							40					14	14	14	13	13	12	12	11	10	9	8	7					
							50				14	14	13	13	13	12	12	11	11	10	8	7	6					
							60		14	14	14	13	13	13	12	12	11	11	10	9	8	7						
							70	14	14	14	13	13	13	12	12	11	11	10	9	8	7	6						
							80	14	14	13	13	12	12	12	11	11	10	10	9	8	6							
							Shut off PSI	263	255	246	237	229	220	211	203	194	185	177	159	142	125	107	90	73	55	47		
RL22G10-3W2V*	14942409	0 10121 14185 8	1	3	230	10.4	0				29	27	26	25	23	21	20	18									260	22
							10			28	27	26	24	23	21	19												
							20		28	27	26	24	23	21	19													
							30	28	27	25	24	22	21	19														
							40	26	25	24	22	20	18															
							50	25	23	22	20	18																
							60	23	22	20	18																	
							70	21	20																			
							80	19																				
							Shut off PSI	113	104	95	87	78	69	61	52	43	35	26										

** Includes control box*

CONTROL BOXES FOR 4" SUBMERSIBLE WELL PUMPS

Model	Item No.	UPC	HP	Volts	Length	Width	Height	Wt. (lbs)	Carton Cubes (cu ft)	Master Pack Quantity	Pallet Quantity	Quantity per Layer	Layers per Pallet
RLCB05-115	640188	0 10121 12203 1	1/2	115	8.75"	5.25"	3.25"	3	.09	10	12 Master Packs	4 Master Packs	3
RLCB05-230	640189	0 10121 12204 8	1/2	230	8.75"	5.35"	3.25"	3	.09	10	12 Master Packs	4 Master Packs	3
RLCB07-230	640190	0 10121 13096 8	3/4	230	9.0"	5.25"	3.0"	3	.08	10	18 Master Packs	6 Master Packs	3
RLCB10-230	640191	0 10121 13097 5	1	230	9.0"	5.5"	3.5"	3	.10	10	18 Master Packs	6 Master Packs	3
RLCB15-230	640222	0 10121 13173 6	1-1/2	230	11.5"	8.25"	6.25"	6	.34	1	18 Master Packs	6 Master Packs	3

NOTE: For cable size information, see the technical data section



4" SUBMERSIBLE WELL PUMPS – RS SERIES

APPLICATIONS

Ideal for the supply of fresh water to rural homes, farms, and cabins that have 4" and greater diameter drilled wells to depths of 250'. The stainless steel discharge is perfect for aggressive water conditions.

FEATURES & BENEFITS

- Powered by industry standard 3-wire motor
- Stainless steel discharge and thermoplastic motor bracket
- Stainless steel pump shell
- Built-in suction screen and check valve
- 5 gpm, 12 gpm and 22 gpm models available
- 1-1/4" FNPT discharge
- Motors are rated for continuous duty
- Control Box is not included



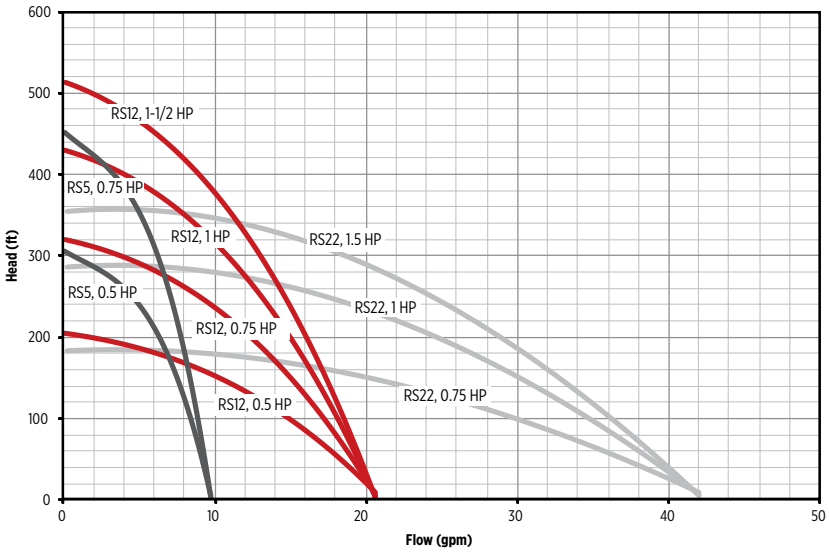
3 THREE YEAR WARRANTY

c SP us

CARTON SPECIFICATIONS

Model	Item No.	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
Pumps only									
RS5G05-3W2V	14942373	4.5"	4.375"	34.5"	25	0.59	80	8	10
RS5G07-3W2V	14942374	4.5"	4.375"	34.5"	29	0.59	80	8	10
RS12G05-3W2V	14942377	4.5"	4.375"	29"	25	0.59	80	8	10
RS12G07-3W2V	14942378	4.5"	4.375"	29"	29	0.59	80	8	10
RS12G10-3W2V	14942379	4.5"	4.375"	34.5"	33	0.72	60	6	10
RS12G15-3W2V	14942380	4.5"	4.375"	39"	41	0.48	100	10	10
RS22G07-3W2V	14942381	4.5"	4.375"	34.5	29	0.59	80	8	10
RS22G10-3W2V	14942382	4.5"	4.375"	34.5"	39	0.67	70	7	10
RS22G15-3W2V	14942383	4.5"	4.375"	39"	41	0.48	100	10	10

Nomenclature: RL = Red Lion, 12G = 12 Gallon, ## = HP (05 =1/2, 07= 3/4, 10 = 1, 15 = 1.5), # W = Number of Wires, # V = Voltage (1 = 115, 2 = 230), SP = Sub-Pac
Example: RL12G05-2W1V = 12 Gallon, 1/2 hp, 2-wire, 115Volt





2 TWO YEAR WARRANTY

c UL us

CONTROL BOXES FOR 4" SUBMERSIBLE WELL PUMPS

Model	Item No.	UPC	HP	Volts	Length	Width	Height	Wt. (lbs)	Carton Cubes (cu ft)	Master Pack Quantity	Pallet Quantity	Quantity per Layer	Layers per Pallet
RLCB05-230	640189	0 10121 12204 8	1/2	230	8.75"	5.35"	3.25"	3	.09	10	12 Master Packs	4 Master Packs	3
RLCB07-230	640190	0 10121 13096 8	3/4	230	9.0"	5.25"	3.0"	3	.08	10	12 Master Packs	6 Master Packs	3
RLCB10-230	640191	0 10121 13097 5	1	230	9.0"	5.5"	3.5"	3	.10	10	12 Master Packs	6 Master Packs	3
RLCB15-230	640222	0 10121 13173 6	1-1/2	230	11.5"	8.25"	6.25"	6	.34	1	12 Master Packs	6 Master Packs	3

NOTE: For cable size information, see the technical data section
Control box not included with the RS Series

4" SUBMERSIBLE WELL PUMPS – RS SERIES

Model	Item No.	HP	Wires	Volts	Amps	PSI	Depth to Pumping Water Level (ft)																	Shut-Off (ft)	Rated Flow (GPM)
							0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	
							Gallons Per Minute																		
RS5G05-3W2V	14942373	1/2	3	230	5.0	0						8	8	8	7	7	6	5								303	5
						10					8	8	8	7	7	6	6	4									
						20				8	8	8	7	7	6	5	5										
						30			8	8	7	7	7	6	5	4											
						40		8	8	7	7	6	6	5	4												
						50	8	8	7	7	6	6	5	4													
						60	8	7	7	6	6	5	4														
						70	7	7	6	6	5	4															
						80	7	6	5	5																	
						Shut off PSI	131	123	114	105	97	88	79	71	62	53	45	27									
RS5G07-3W2V	14942374	3/4	3	230	6.8	0								8	8	8	8	7	7	6	5					455	5
						10							8	8	8	8	7	7	6	5	4						
						20						8	8	8	8	7	7	7	6	5							
						30					8	8	8	8	7	7	7	6	5	4							
						40				8	8	8	8	7	7	7	6	6	4								
						50			8	8	8	8	7	7	7	6	6	5	4								
						60		8	8	8	8	7	7	7	6	6	5	5									
						70	8	8	8	8	7	7	7	6	6	5	5										
						80	8	8	7	7	7	7	6	6	5	5	4										
						Shut off PSI	197	188	180	171	162	154	145	136	128	119	110	93	76	58	41						
RS12G05-3W2V	14942377	1/2	3	230	5.0	0						14	13	11	8											200	12
						10					14	12	10	8													
						20				14	12	10	7														
						30			14	12	10	7															
						40		13	11	9	6																
						50	13	11	9	6																	
						60	11	8	5																		
						70	8	5																			
						80	4																				
						Shut off PSI	87	78	69	61	52	43	35	26	17												
RS12G07-3W2V	14942378	3/4	3	230	6.8	0									14	13	12	9	6							319	12
						10								14	13	12	11	8									
						20							14	13	12	10	9										
						30						14	13	12	10	9	7										
						40					14	13	11	10	9	7											
						50			14	13	12	11	10	8	6												
						60		14	13	12	11	10	8	6													
						70	14	13	12	11	9	8	6														
						80	13	12	11	9	7																
						Shut off PSI	138	129	121	112	103	95	86	77	69	60	52	34	17								
RS12G10-3W2V	14942379	1	3	230	8.2	0												13	12	10	7					432	12
						10											14	12	11	8	6						
						20										14	13	11	9	7							
						30									14	13	12	10	8								
						40							14	14	13	12	11	9	6								
						50						14	14	13	12	11	10	8									
						60					14	13	13	12	11	10	9	6									
						70				14	13	13	12	11	10	9	7										
						80			14	13	12	11	11	10	8	7											
						Shut off PSI	187	178	170	161	152	144	135	126	118	109	100	83	66	48	31						
RS12G15-3W2V	14942380	1-1/2	3	230	10.0	0													14	12	11	9	7			519	12
						10												14	13	11	10	8					
						20											15	13	12	11	9	7					
						30										15	14	13	11	10	7						
						40									14	14	13	12	10	8	6						
						50								14	14	13	12	11	9	7							
						60							14	14	13	12	12	10	8	6							
						70						14	14	13	12	11	11	9	7								
						80					14	13	13	12	11	11	10	8									
						Shut off PSI	225	216	207	199	190	181	173	164	155	147	138	121	103	86	69	52	34				
RS22G07-3W2V	14942381	3/4	3	230	6.8	0						28	25	21												178	22
						10					28	24	20														
						20				27	24	19															
						30			27	23	18																
						40		26	22	18																	
						50	26	22																			
						60	21																				
						Shut off PSI	77	68	60	51	42	34	25	16													
RS22G10-3W2V	14942382	1	3	230	8.2	0							29	26	22	18										213	22
						10						28	25	22	18												
						20					28	25	21														
						30				27	24	21															
						40			27	24	20																
						50		26	23	19																	
						60	26	23	19																		
						70	22	18																			
						80	17																				
						Shut off PSI	92	84	75	66	58	49	40	32	23	14											
RS22G15-3W2V	14942383	1-1/2	3	230	10.0	0								29	28	26	24	18								284	22
						10							29	28	26	24	21										
						20						29	28	26	23	20											
						30					29	27	25	23	20												
						40				29	27	25	22	19													
						50			29	27	24	22	19														
						60		29	26	24	22	18															
						70	28	26	24	21	18																
						80	26	23	21																		
						Shut off PSI	123	114	106	97	88	80	71	62	54	45	36	19									

** Includes control box*

1-2-3 EASY GUIDE FOR PUMP & TANK SELECTION

1 DEPTH TO THE PUMPING WATER LEVEL

0–25 feet: Shallow well or convertible jet pump, install in shallow (single pipe) configuration.
25–90 feet: Convertible jet pump, installed in deep (two pipe) configuration or deep well submersible pump.
0–250 feet: Deep well submersible pump.
250+ feet: Call The Technical Service Line: 1.888.885.9254
"Pumping water level" is the depth to the water while the well is being pumped. It is usually deeper than the depth to the water when the pump is not running. For a lake or cistern installation, it is the depth to the surface of the water.
For Jet pumps, it is the vertical distance from the pumping water level to the suction opening of the pump.
For Submersible pumps, it is the vertical distance from the pumping water level to the point of water usage.
New installation information is available on the **Well Driller's Report**. For replacement installations, use the equivalent style and horsepower pump, providing it was suitable when it was operational.
NOTE: A foot valve or check valve is required for proper operation of any system. The suction line must extend at least 5' below the pumping water level and be at least 10' above the well bottom.

2 HOW MUCH WATER IS REQUIRED

The gpm (gallons per minute) of the pump must equal the total number of fixtures. Fixtures include all faucets, toilets, and water consuming appliances (do not include water treatment appliances, such as a hot water tank or water filter). Example: A house with one full bathroom (sink, tub/shower, toilet), kitchen sink, basement sink, outside faucet, washing machine, and dishwasher would require 8 gpm.

3 MINIMUM WELL DIAMETER

2-1/2" – Jet pumps in shallow well applications (depth less than 25') should be installed using 1-1/4" suction piping with a foot valve.
4" – Convertible jet pumps used in deep well applications (depth greater than 25') and deep well submersible pumps.

PUMP CHART

Read across the top of the chart for correct pumping water level in feet. Read down the side for correct flow required (gpm). The letter(s) corresponds to the minimum recommended pump options. Higher horsepower models of the same categories may be substituted for jet pumps.

Flow Req. (GPM)	Pumping Water Level in Feet								
	5	15	25	50	80	100	150	200	250
3	A,D	A,D	A,D,G	D,G	D,G	G	G,H	H,I	I
4	A,D	A,D	A,D,G	D,G	E,G	G,H	G,H	H,I	I
5	A,D	A,D	A,E,G	D,G	F,G	G,H	G,H	H,I	I
6	A,D	A,D	B,E,G	D,G	G	G,H	H	I	I
7	A,D	A,D	B,E,G	F,G	G,H	G,H	H	I	I
8	A,D	A,E	C,F,G	G	G,H	G,H	H	I	I
9	A,D	A,E	C,G	G	G,H	G,H	I	I	J
10	A,D	B,E	C,G	G,H	G,H	G,H	I	I	J
11	A,E	B,E	G	G,H	H	H	I	J	J
12	A,E	C,E	G	G,H	H	H	I,J	J	J
13	B,E	C,F	G	G,H	H,I	I,J	J	J	J
14	B,E	C,F	G	I	I,J	J	J	J	J
15	B,E	C		I	J				
16	C,E	C							
17	C,E	C							

NOTE: For depths greater than 250', consult tech support

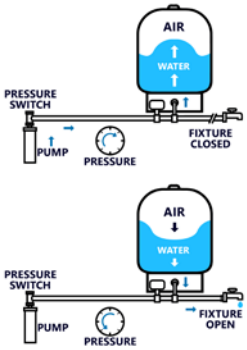
Shallow Well Jet Pumps	Convertible Jet Pumps	Deep Well Submersible Pumps
A = RJS-50-PREM ½ hp B = RJS-75-PREM ¾ hp C = RJS-100-PREM 1 hp	D = RJC-50-PREM ½ hp E = RJC-75-PREM ¾ hp F = RJC-100 1 hp	G = RL12G05 ½ hp H = RL12G07 ¾ hp I = RL12G10 1 hp J = RL12G15 1½ hp



TANK CHART

NOTE: Refer to Step 2 above. The easy way to size a tank is take the gpm system requirement that you determined in Step 2, multiply by 3 and go to the next largest tank size.

Example: 8 gpm x 3 = 24 gallons – therefore use an RL34A tank.



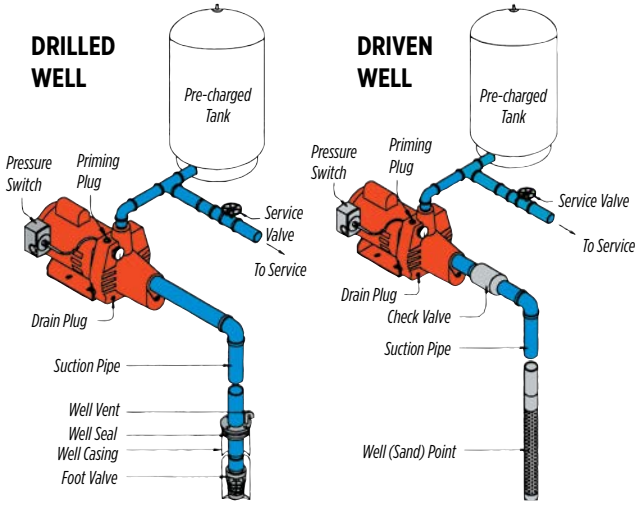


Model	Gallons	Drawdown	Fixtures
RL2A	2.0	0.7	-
RL4A	4.5	1.5	-
RL6AH	6.0	1.9	1
RL14AH	14.0	4.8	4
RL14A	14.0	4.9	4
RL20A	20.0	7.2	6
RL34A	34.0	10.8	11
RL44A	44.0	12.7	14
RL81A	81.0	27.6	27

TYPICAL INSTALLATIONS

SHALLOW WELL JET PUMP (DOWN TO 25')

Suitable for applications where the pumping water level does not exceed 25'. Requires a single 1-1/4" suction pipe. May be used in wells 2" or larger in diameter.

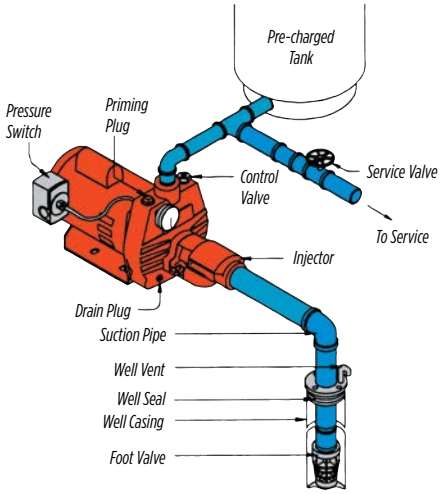


To complete installation, the following is required:

- Jet pump
- Pressure tank
- Pump-to-tank fittings
- 1-1/4" suction piping
- Foot valve or check valve

CONVERTIBLE JET PUMP (SHALLOW WELL CONFIGURATION DOWN TO 25')

Suitable for applications where the pumping water level does not exceed 25'. Requires a single 1-1/4" suction pipe. May be used in wells 2-1/2" or larger in diameter.

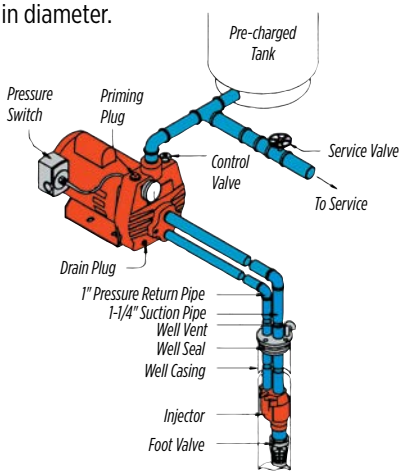


To complete installation:

- Jet pump; includes pressure switch, flow control valve, injector (installed on the pump)
- Pressure tank
- Pump-to-tank fittings
- 1-1/4" suction piping
- Foot valve or check valve (for driven well)

CONVERTIBLE JET PUMP (DEEP WELL CONFIGURATION DOWN TO 90')

Suitable for applications where the pumping water level does not exceed 90'. Requires a double suction pipe. May be used in wells 4" or larger in diameter.

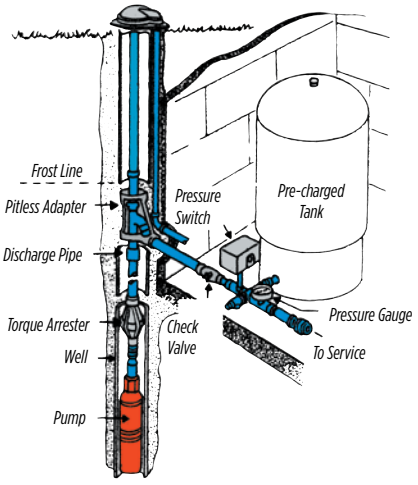


To complete installation:

- Jet pump; includes pressure switch, flow control valve, injector (installed in the well)
- Pressure tank
- Pump-to-tank fittings
- 1-1/4" suction piping and 1" pressure return piping
- Foot valve

DEEP WELL SUBMERSIBLE PUMP (DOWN TO 250')

Suitable for applications where the pumping water level does not exceed 250'. May be used in wells 4" or larger in diameter.



To complete installation:

- Submersible pump sub-pac; includes pressure switch, pressure gauge, service tee, relief valve, sub cable, built-in check valve
- Pressure tank
- Torque arrester
- Well seal or pitless adapter
- 1" discharge piping

PRESSURE BOOSTING SYSTEM

APPLICATIONS

Ideal for homes with a municipal water source and incoming water pressure less than 45 psi. This pressure boosting system assists in maintaining steady pressure when more than one water fixture is in use.



2 TWO YEAR WARRANTY

C SP US

FEATURES & BENEFITS

- Package comes factory assembled and ready to install without the need for on-site wiring
- Comes with convenient 6' 115V power cord
- Boosts water pressure with consistent output
- Built-in control unit eliminates the need for a pressure switch and pressure tank, which saves space and reduces the cost of traditional booster systems
- Run-dry protection protects the pump from damage if the water source is turned off
- Auto-run feature flushes the system if idle for more than 24 hours preventing debris build-up and damage to the impeller

PERFORMANCE

Incoming Water Pressure from Main Water Supply	10 PSI	20 PSI	30 PSI	40 PSI	45 PSI
Outgoing Water Pressure at 2 GPM Flow*	55 PSI	65 PSI	75 PSI	75 PSI	75 PSI

**Maximum pressure boost with pressure regulator installed*

Model	Item No.	UPC	HP	Volts	Amps	Intake	Discharge	Max. Operating Pressure
RBSS-75FC	97080708	0 10121 00056 8	3/4	115	9	1" FNPT	1" MNPT	46 PSI

CARTON SPECIFICATIONS

Model	Item No.	Length	Width	Height	Weight	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RBSS-75FC	97080708	10" 255 mm	15" 382 mm	15.2" 385 mm	20.28 lbs 9.2 kg	1.3246	65	13	5

STAINLESS STEEL SPRINKLER UTILITY PUMP



APPLICATIONS

Ideal for pressure boosting, sprinkler systems, and general purpose applications where portability and corrosion-resistance is important.

FEATURES & BENEFITS

- Easy to prime to 25′; no additional priming required after initial fill
- Corrosion-resistant stainless steel pump housing is ideal for operating lawn sprinklers, pressure boosting, and other general purpose applications and is suitable for aggressive water conditions
- Heavy-duty 3/4 hp 115V motor for years of service and reliability
- Glass-filled thermoplastic impeller and diffuser for high performance and efficient water flow
- Power cord, carry handle, and garden hose adapter included for convenience and portability

c UL us

2 TWO YEAR WARRANTY

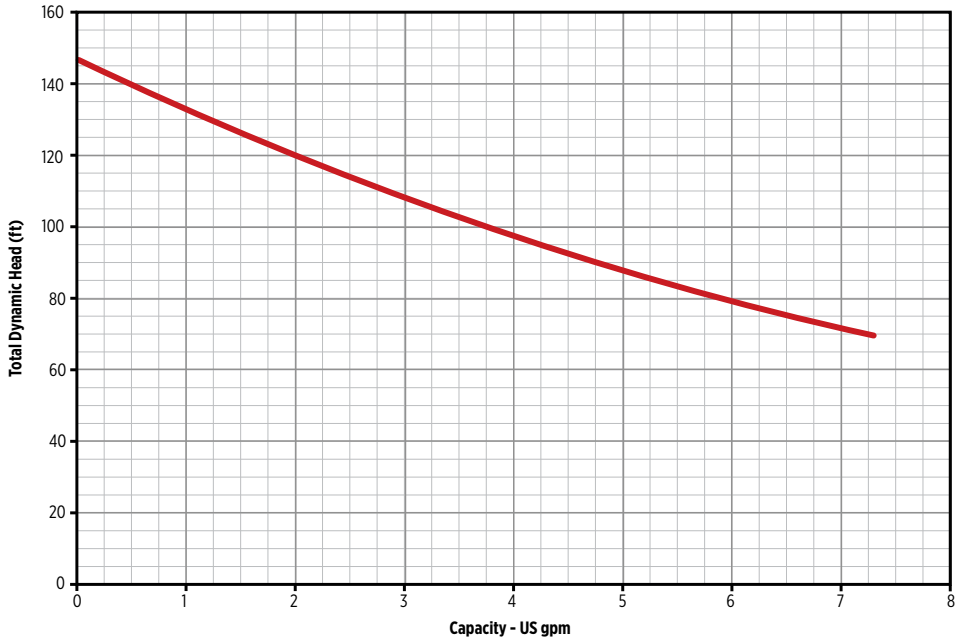
Model	Item No.	UPC	HP	Volts	Amps	Cord Length	Intake	Discharge	Discharge Pressure (PSI) at 5′ Lift							Max Flow (GPM) at 5′ Suction Lift	Max Pressure (PSI)	Max Head (ft)
									0	10	20	30	40	50	60			
									Gallons Per Minute									
RJSE-75SS	614432	0 10121 14415 6	3/4	115	6.5 A	8′	1″	1″ FNPT	11	9.5	9.0	7.3	4.6	2.3	0.4	11	64	147

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RJSE-75SS	9.8″	15″	11.8″	21	0.69	30	10	3

PUMP ONLY DIMENSIONS

Length	Width	Height	Weight (lbs)
13.75″	7.5″	9.25″	18.5



SPRINKLER PUMP

APPLICATIONS

Ideal for both residential and commercial lawn and turf sprinkling systems.

FEATURES & BENEFITS

- Rugged cast iron casing and pump base
- High efficiency thermoplastic impeller and diffuser
- BR models are configured with a brass impeller which is recommended for more demanding applications such as weir feeders*
- Easy to prime to 25'; no additional priming required after initial fill



RL-SPRK100



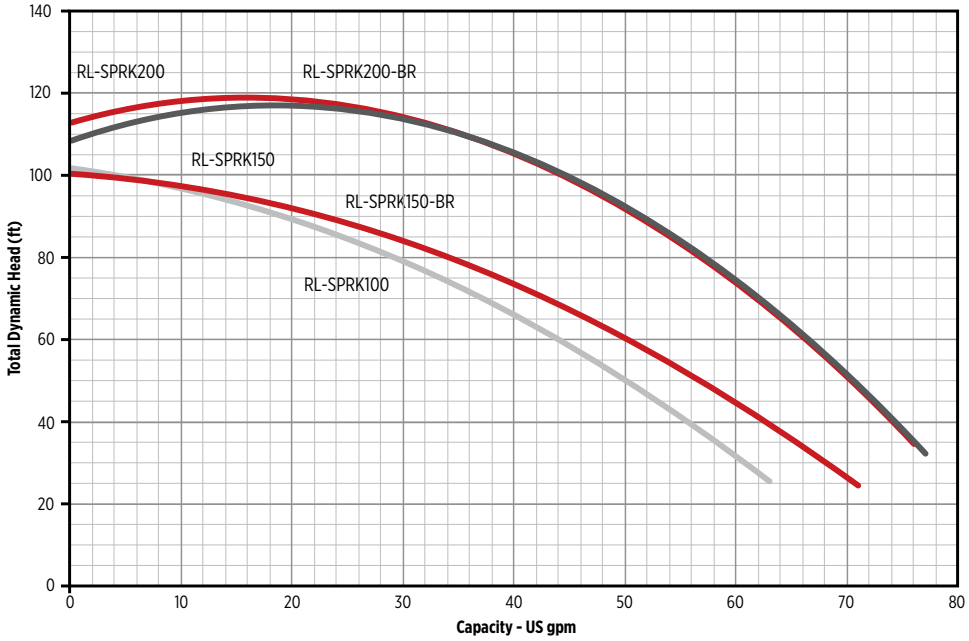
RL-SPRK200

2 TWO YEAR WARRANTY

Model	Item No.	UPC	HP	Volts	Amps	Intake	Discharge	Discharge Pressure (PSI) at 5' Lift Gallons Per Minute 10	20	30	40	Max Press. (PSI)	Max Flow (GPM)
RL-SPRK100	97101001	0 10121 00139 8	1	115/230	14 A @ 115V / 7 A @ 230V	2" FNPT	1-1/2" FNPT	63	54	38	11	45	63
RL-SPRK150	97101501	0 10121 00140 4	1-1/2	115/230	18.6 A @ 115V / 9.3 A @ 230V	2" FNPT	1-1/2" FNPT	71	60	44	15	44	71
RL-SPRK200	97102001	0 10121 00141 1	2	230	10.9 A @ 230V	2" FNPT	1-1/2" FNPT	76	75	65	47	49	76
*RL-SPRK-150-BR	97101502	0 10121 00142 8	1-1/2	115/230	18.6 A @ 115V / 9.3 A @ 230V	2" FNPT	1-1/2" FNPT	71	60	44	15	41	71
*RL-SPRK-200-BR	97102002	0 10121 00143 5	2	230	10.9 A @ 230V	2" FNPT	1-1/2" FNPT	77	75	64	48	47	77

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SPRK100	11.5"	22"	12.25"	55.16	1.79	18	3	6
RL-SPRK150	11.5"	22"	12.25"	64.64	1.79	18	3	6
RL-SPRK200	11.5"	22"	12.25"	64.26	1.79	18	3	6
*RL-SPRK-150-BR	11.5"	22"	12.25"	66.29	1.79	18	3	6
*RL-SPRK-200-BR	11.5"	22"	12.25"	66.29	1.79	18	3	6



Brass Impeller Conversion Kits are available for an easy pump upgrade.

CAST IRON INDUSTRIAL SPRINKLER PUMP

APPLICATIONS

Ideal for both large residential properties and commercial lawn and turf sprinkling systems.

FEATURES & BENEFITS

- Heavy-duty iron casing, diffuser, and seal plate for years of service and reliability
- High efficiency cast iron impeller and diffuser for high-performance and efficient water flow
- 2″ suction and 2″ discharge helps to prevent debris from clogging impellers and maintain full-flow performance
- Easy to prime to 25′; no additional priming required after initial fill



1 ONE YEAR WARRANTY

C SA US

**Color of motor may vary*

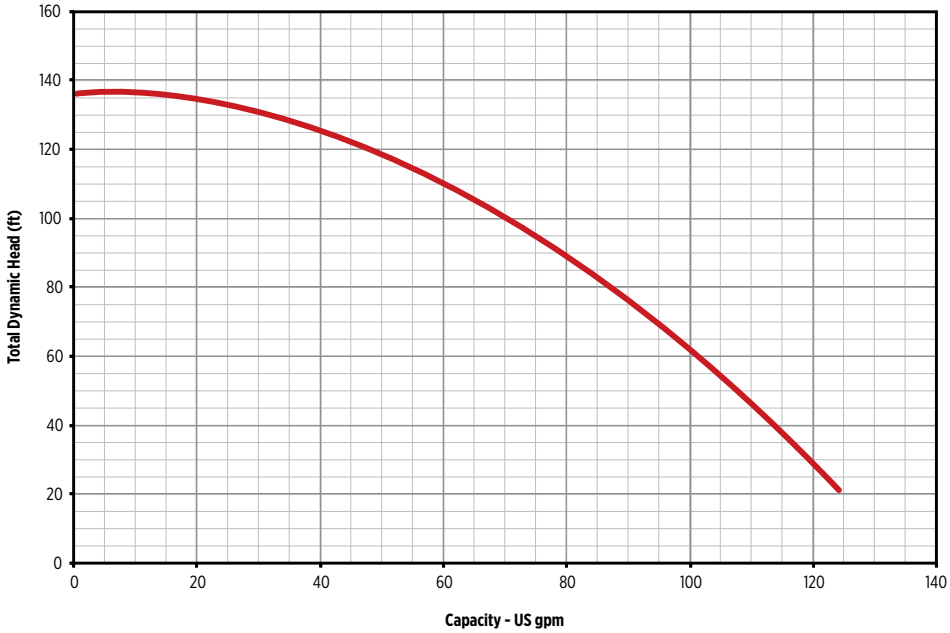
Model	Item No.	UPC	HP	Volts	Amps	Intake	Discharge	Discharge Pressure (PSI) at 5′ Lift							Max Press. (PSI)	Max Flow (GPM)
								10	20	30	40	45	50	55		
								Gallons Per Minute								
RLHE-300	614481	0 10121 12461 5	3	230	16.1 A @ 230V	2″ NPT	2″ NPT	124	110	95	77	67	54	36	59	124

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RLHE-300	26.5″	13.375″	15″	135	3.08	3	3	1

NOTE: This unit is shipped in a plain carton





ALUMINUM/THERMOPLASTIC SUMP PUMPS

APPLICATIONS

Ideal for light- to high-volume water removal in residential spaces such as basements and crawl spaces.

FEATURES & BENEFITS

- Automatic submersible sump pumps
- 1-1/2" FNPT discharge with 1-1/4" FNPT adapter included
- Piggyback Float Switch
- Die Cast Aluminum Motor Housing
- PSC motor and closed vane impeller design
- Double seal system
- 8' cord

2 TWO YEAR WARRANTY



RL-SP50T

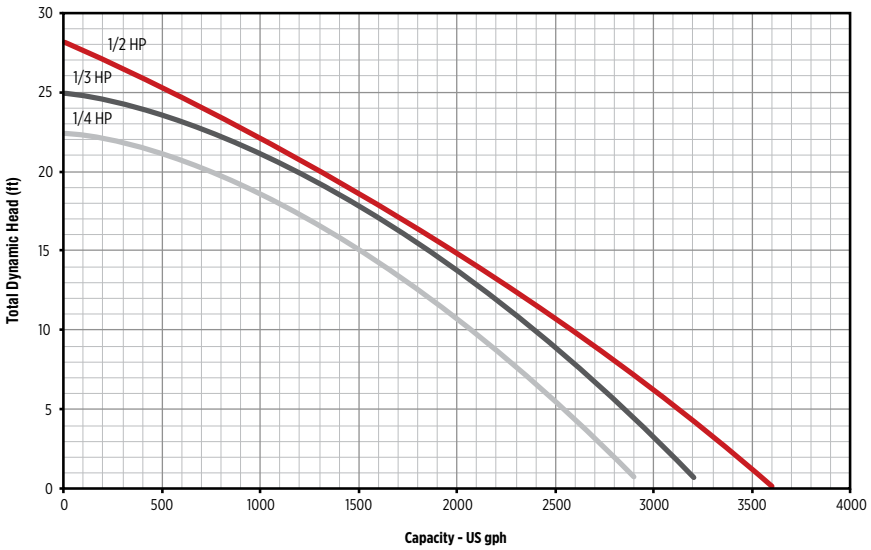


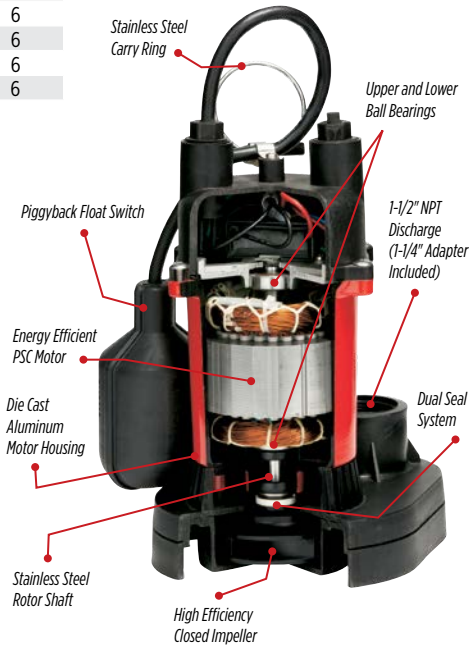
RL-SP50V

Model	Item No.	UPC	Watts	HP	Volts	Switch	Discharge	Amps	Cord Length	Gallons Per Hour at Height					Shut-Off	On/Off Levels	Min. Basin Diameter
										0'	5'	10'	15'	20'			
RL-SP25T	14942739	0 10121 14162 9	520	1/4	115	Tethered	1.5" FNPT w/ 1.25" FNPT Adaptor	6.0	8'	3088	2789	2330	1715	953	25.3'	On: 14.5" Off: 5.5"	14" or more
RL-SP33T	14942740	0 10121 14163 6	550	1/3	115	Tethered	1.5" FNPT w/ 1.25" FNPT Adaptor	4.4	8'	3137	2847	2366	1728	967	26'	On: 14.5" Off: 5.5"	14" or more
RL-SP33V	14942741	0 10121 14164 3	550	1/3	115	Vertical	1.5" FNPT w/ 1.25" FNPT Adaptor	4.4	8'	3137	2847	2366	1728	967	26'	On: 7.25" Off: 2.75"	11" or more
RL-SP50T	14942742	0 10121 14165 0	550	1/2	115	Tethered	1.5" FNPT w/ 1.25" FNPT Adaptor	6.5	8'	3523	3171	2697	2070	1258	26'	On: 14.5" Off: 5.5"	14" or more
RL-SP50V	14942743	0 10121 14166 7	550	1/2	115	Vertical	1.5" FNPT w/ 1.25" FNPT Adaptor	6.5	8'	3523	3171	2697	2070	1258	26'	On: 7.25" Off: 2.75"	11" or more

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SP25T	7.5"	9.25"	11.75"	9.5	0.47	144	24	6
RL-SP33T	7.5"	9.25"	11.75"	11.5	0.47	144	24	6
RL-SP33V	9.05"	9.25"	13.5"	11	0.65	144	24	6
RL-SP50T	7.75"	9.25"	11.75"	14	0.49	144	24	6
RL-SP50V	9.05"	9.25"	13.5"	13	0.65	144	24	6





THERMOPLASTIC SUMP PUMPS

APPLICATIONS

Ideal for light- to high-volume water removal in residential spaces such as basements and crawl spaces.

FEATURES & BENEFITS

- Automatic submersible sump pumps
- 1-1/2" FNPT discharge
- Reinforced thermoplastic construction is corrosion and rust-resistant
- Reliable automatic operation for use in basins 14" or greater
- Tethered float switch
  On/off levels:
  On: 14.5"
  Off: 5.5"



1 ONE YEAR WARRANTY

Model Number	Item Number	UPC	HP	Discharge	Volts	Amps	Watts	Cord	Gallons Per Hour at Height					Shut Off
									0'	5'	10'	15'	20'	
PW-SP25T	14942725	0 10121 15207 6	1/4			2.7	300		1900	1500	1200	700	-	21'
PW-SP33T	14942726	0 10121 15208 3	1/3	1-1/2" FNPT	115	3.5	400	8'	2500	2300	2100	1550	425	24'
PW-SP50T	14942727	0 10121 15209 0	1/2			4.5	500		3300	3000	2766	2244	1500	26'

Carton Specifications						
Model Number	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Master Pack Quantity
PW-SP25T	7.2"	10.4"	13.8"	9	0.6	4
PW-SP33T	7.2"	10.4"	13.8"	10	0.6	4
PW-SP50T	7.2"	10.4"	13.8"	11	0.6	4

Master Pack Specifications								
Model Number	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
PW-SP25T	22"	14.75"	14.75"	36	2.77	12 Master Packs	4 Master Packs	3
PW-SP33T	22"	14.75"	14.75"	40	2.77	15 Master Packs	5 Master Packs	3
PW-SP50T	22"	14.75"	14.75"	44	2.77	15 Master Packs	5 Master Packs	3



STAINLESS STEEL SUMP PUMPS



APPLICATIONS

Ideal for average to high-volume water removal in residential spaces such as basements and crawl spaces.

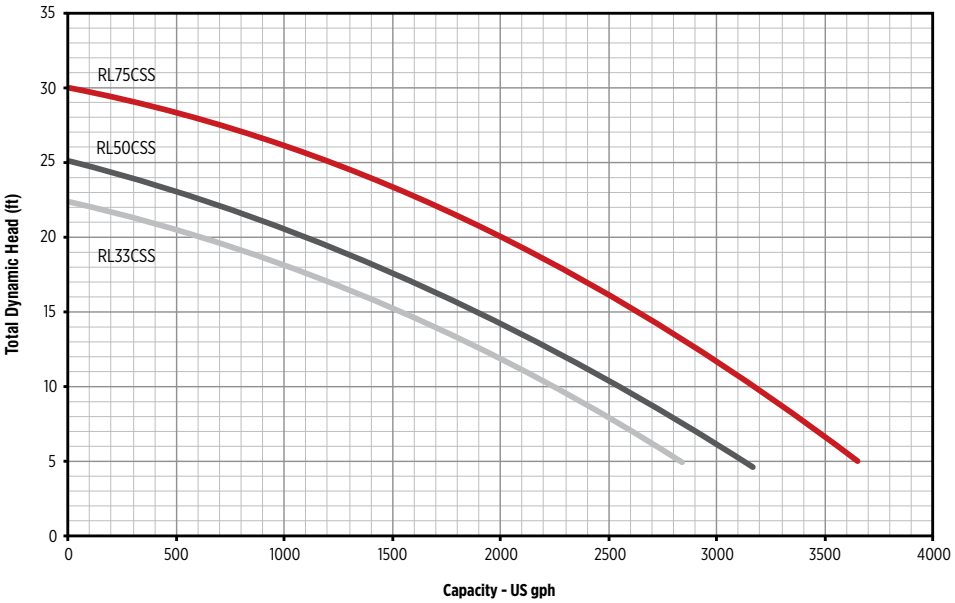
FEATURES & BENEFITS

- Automatic submersible Sump Pumps
- 1-1/2" FNPT discharge
- 300 grade Stainless Steel Pump Body
- Cast Iron Motor Cover and Pump Base
- Snap action float switch for reliable operation in tight spaces
- Removable volute for easy maintenance
- 10' Cord

Model	Item No.	UPC	HP	Volts	Amps	Watts	Cord Length	Discharge	Gallons Per Hour at Height					Shut-Off	On/Off Levels	Min. Basin Diameter
									5'	10'	15'	20'	25'			
RL33CSS	14942793	0 10121 00165 7	1/3	115	3.5	400	10'	1-1/2" FNPT	3500	2800	2000	500	-	23'	On: 9"-11" Off: 3"-5"	11"
RL50CSS	14942794	0 10121 00166 4	1/2	115	4	450	10'	1-1/2" FNPT	3900	3150	2250	1500	-	25'	On: 9"-11" Off: 3"-5"	11"
RL75CSS	14942795	0 10121 00167 1	3/4	115	5.5	650	10'	1-1/2" FNPT	4500	4000	3200	2500	1500	30'	On: 9"-11" Off: 3"-5"	11"

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL33CSS	11.4"	8.5"	14.6	21.5	0.82	48	16	3
RL50CSS	11.4"	8.5"	14.6	21.6	0.82	48	16	3
RL75CSS	11.4"	8.5"	14.6	23.3	0.82	48	16	3



CAST IRON SUMP/EFFLUENT PUMPS

APPLICATIONS

Ideal for average- to high-volume water and effluent removal in residential spaces such as basements, laundry facilities, and crawl spaces.

FEATURES & BENEFITS

- Automatic submersible sump pumps
- 1-1/2" FNPT discharge
- Piggyback float switch
- Clog-resistant design (3/8" semi-solids handling)
- PSC motor
- 10' cord

3 THREE YEAR WARRANTY

C SA US

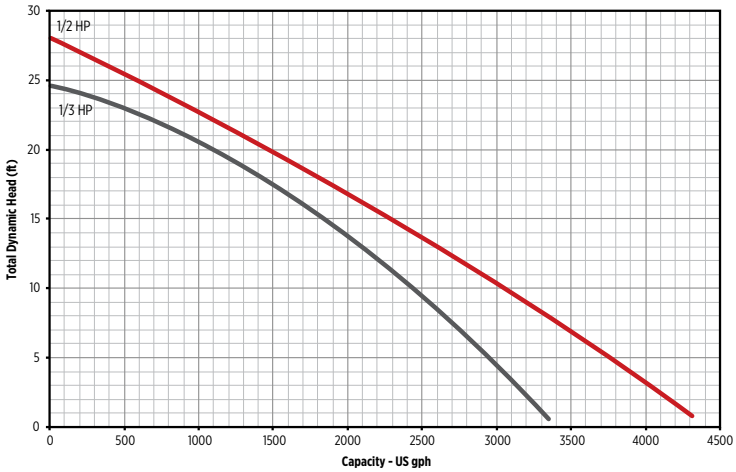


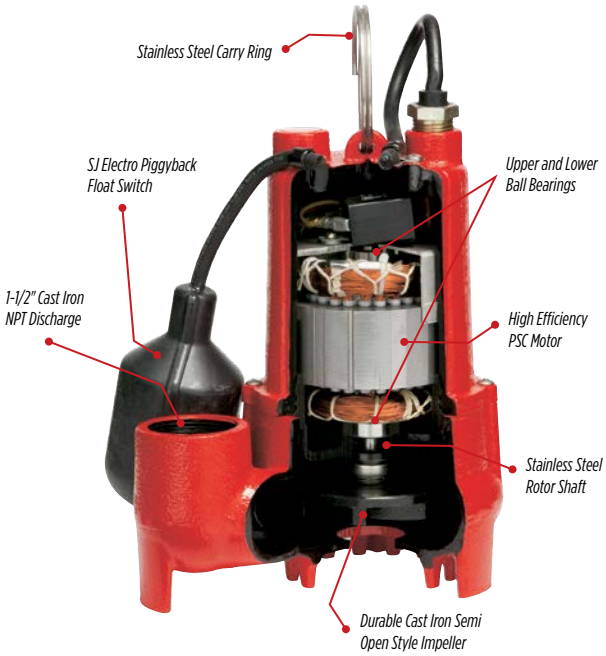
RL-SC50T RL-SC50V

Model	Item No.	UPC	HP	Switch	Volts	Amps	Discharge	Cord Length	Gallons Per Hour at Height					Shut-Off	On/Off Levels	Min. Basin Diameter
									0'	5'	10'	15'	20'			
RL-SC33T	14942744	0 10121 14167 4	1/3	Tethered	115	4.3	1.5" FNPT	10'	3350	3000	2460	1860	960	25'	On: 13" Off: 5"	18" or more
RL-SC33V	14942745	0 10121 14168 1	1/3	Vertical	115	4.3	1.5" FNPT	10'	3350	3000	2460	1860	960	25'	On: 7.25" Off: 2.75"	15" or more
RL-SC50T	14942746	0 10121 14169 8	1/2	Tethered	115	5.3	1.5" FNPT	10'	4300	3840	3000	2220	1440	28'	On: 13" Off: 5"	18" or more
RL-SC50V	14942747	0 10121 14170 4	1/2	Vertical	115	5.3	1.5" FNPT	10'	4300	3840	3000	2220	1440	28'	On: 7.25" Off: 2.75"	15" or more

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SC33T	7.25"	8.75"	13"	20	0.48	150	30	5
RL-SC33V	6.75"	8.75"	13"	21	0.44	150	30	5
RL-SC50T	7.25"	8.75"	13"	20	0.48	150	30	5
RL-SC50V	6.75"	8.75"	13"	21	0.44	150	30	5





1/3 HP DUAL CAST IRON SUMP PUMP SYSTEM

APPLICATIONS

Ideal for average- to high-volume water removal in residential spaces such as basements, laundry facilities, and crawl spaces. This system offers worry-free operation, providing you with a back-up pump and double the flow rate when needed.*



FEATURES & BENEFITS

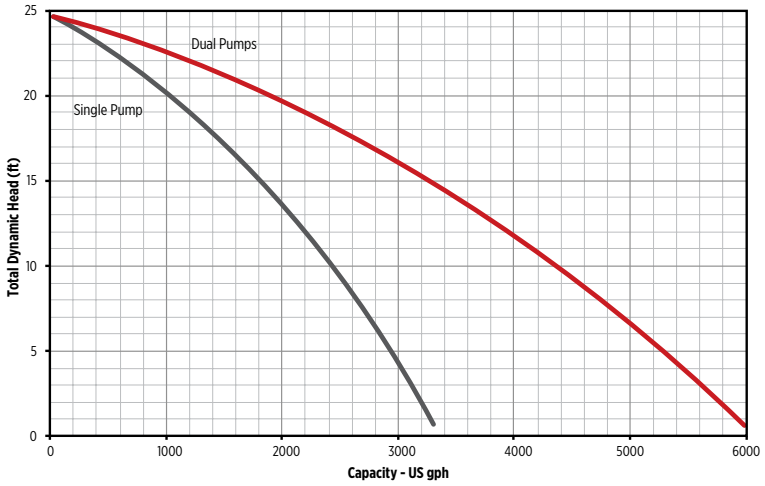
- Dual automatic submersible sump pumps
- Pre-assembled piping and check valves included
- Maximum head of 25′
- 10′ power cord
- 1-1/2″ FNPT discharges
- Vertical piggyback float switches
- Clog-resistant design (3/8″ semi-solids handling)
- PSC motors

3 THREE YEAR WARRANTY

Model	Item No.	UPC	HP	Volts	Switch	Discharge	Cord Length	Operation	Gallons Per Hour at Height					Shut-Off	On/Off Levels	Min. Basin Diameter
									0′	5′	10′	15′	20′			
RL-SC33DUP	14942771	0 10121 14606 8	1/3	115	Vertical	1-1/2″ FNPT	10′	Single Pump Dual Pump	3350 6000	3000 5400	2460 4425	1860 3345	960 1725	25′	On: 7.25″ Off: 2.75″	18″

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SC33DUP	9.5″	17.25″	14″	45	1.33	24	8	3





NOTE: Friction loss in pipe not included

SNAP-ACTION CAST IRON SUMP/EFFLUENT PUMPS



APPLICATIONS

Ideal for average- to high-volume water and effluent removal in residential spaces such as basements, laundry facilities, and crawl spaces.

FEATURES & BENEFITS

- Automatic submersible cast iron sump/effluent pump
- 1-1/2" FNPT discharge
- Integrated snap-action float switch suitable for use in narrow basins (11" or greater)
- Solid float will never become waterlogged
- Built-in rod protection prevents float from contacting basin
- Clog-resistant design (1/2" diameter semi-solids handling)
- 10' cord

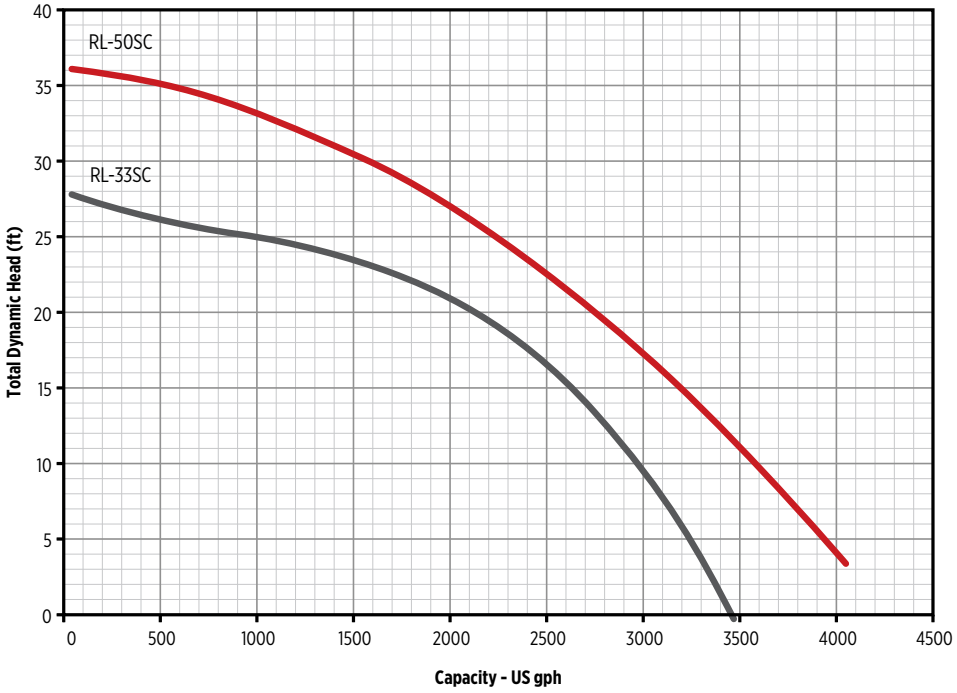
3 THREE YEAR WARRANTY

C SP US

Model	Item No.	UPC	HP	Volts	Amps	Discharge	Cord Length	Gallons Per Hour at Height					Shut-Off	On/Off Levels	Basin Diameter
								5'	10'	15'	20'	30'			
RL-33SC	14942652	0 10121 14579 5	1/3	115	5	1-1/2" FNPT	10'	3200	3000	2500	2200	-	25'	On: 8"–11" Off: 2"–5"	11"
RL-50SC	14942653	0 10121 14580 1	1/2	115	6.5	1-1/2" FNPT	10'	4000	3420	3090	2800	1680	32'	On: 8"–11" Off: 2"–5"	11"

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-33SC	9.75"	11"	12.75"	27.75	0.79	48	16	3
RL-50SC	10.25"	11.50"	13.75"	28.46	0.94	36	12	3



PREMIUM SUBMERSIBLE STAINLESS STEEL SUMP PUMPS

APPLICATIONS

Ideal for high-volume water removal in residential spaces such as basements and crawl spaces.

FEATURES & BENEFITS

- Automatic submersible stainless steel sump pump ideal for aggressive water applications
- Heavy-duty stainless steel and cast iron construction for years of service and reliability
- Clog-resistant design is capable of passing 3/4" diameter semi-solids
- Piggyback float switch for reliable automatic operation

5 FIVE YEAR WARRANTY

c UL us

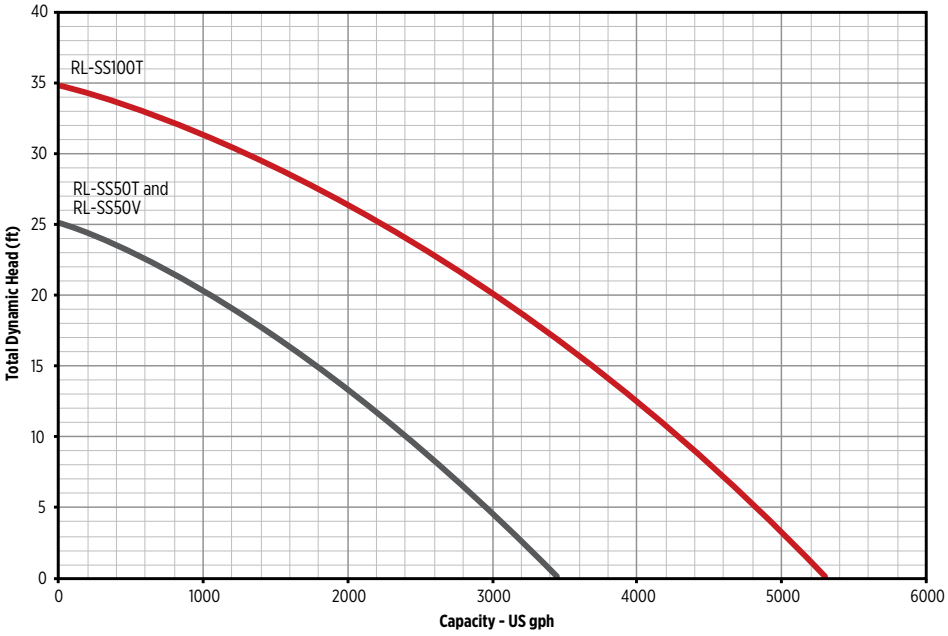


RL-SS50T RL-SS100T RL-SS50V

Model	Item No.	UPC	HP	Volts	Switch	Discharge	Amps	Cord Length	Gallons Per Hour at Height						Shut-Off	On/Off Levels	Min. Basin Diameter
									0′	5′	10′	15′	20′	30′			
RL-SS50V	14942780	0 10121 14436 1	1/2	115	Vertical	1-1/2" FNPT	5	10′	3450	3000	2400	1800	-	-	25′	On: 7.5" Off: 4.5"	11" or more
RL-SS50T	14942781	0 10121 14437 8	1/2	115	Tethered	1-1/2" FNPT	5	10′	3450	3000	2400	1800	-	-	25′	On: 13.8"–14.8" Off: 5.5"–6.5"	18" or more
RL-SS100T	14942782	0 10121 14438 5	1	115	Tethered	2" FNPT 1-1/2" FNPT adapter incl.	8	20′	5300	4800	4300	3700	3000	1300	35′	On: 15"–18" Off: 7"–10"	18" or more

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SS50V	7.12"	10"	17"	22.5	0.70	48	24	2
RL-SS50T	7"	10.5"	17"	22.5	0.72	40	20	2
RL-SS100T	10"	11"	18"	33.6	1.15	32	16	2



PEDESTAL PUMP

APPLICATIONS

Ideal for average-volume water removal in residential sump pits located in basements and crawl spaces.

FEATURES & BENEFITS

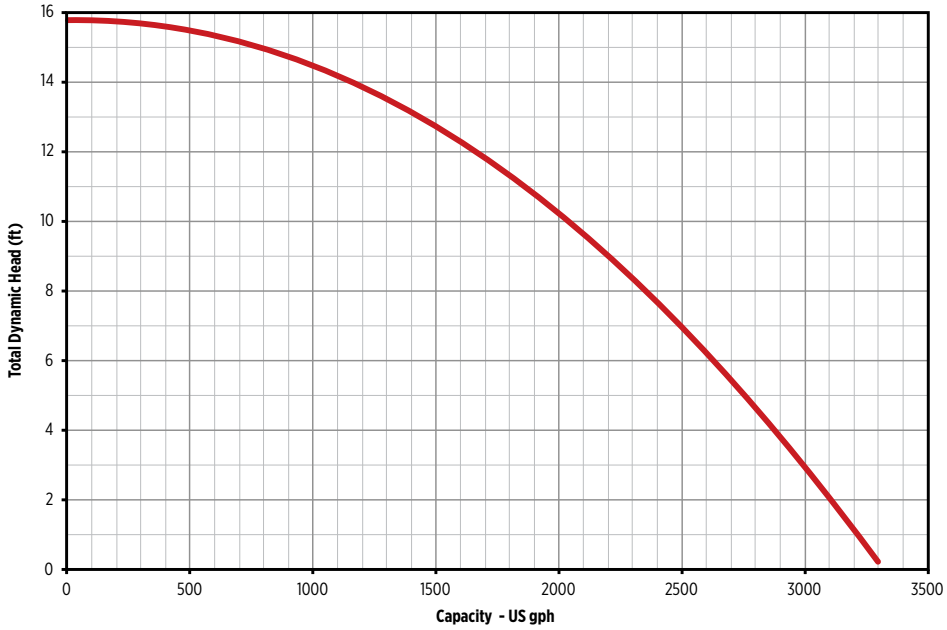
- Automatic pedestal sump pump (column style)
- Reinforced engineered polypropylene construction
- Adjustable snap-action float switch
- Clog-resistant design



Model	Item No.	UPC	HP	Volts	Discharge	Amps	Cord Length	Construction	Gallons Per Hour at Height				Shut-Off	Min. Basin Diameter
									0′	5′	10′	15′		
RLSP33PED	14942052	0 10121 00241 8	1/3	115	1-1/4″ FNPT	4	8′	Polypropylene	3300	2800	2040	600	16′	13″ or more

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RLSP33PED	9″	12″	35″	16	2.187	20	20	1



UNDER-SINK SUMP PACKAGE



APPLICATIONS

Ideal for water removal from impractical gravity drainage areas and residential spaces such as under sinks and laundry trays.

FEATURES & BENEFITS

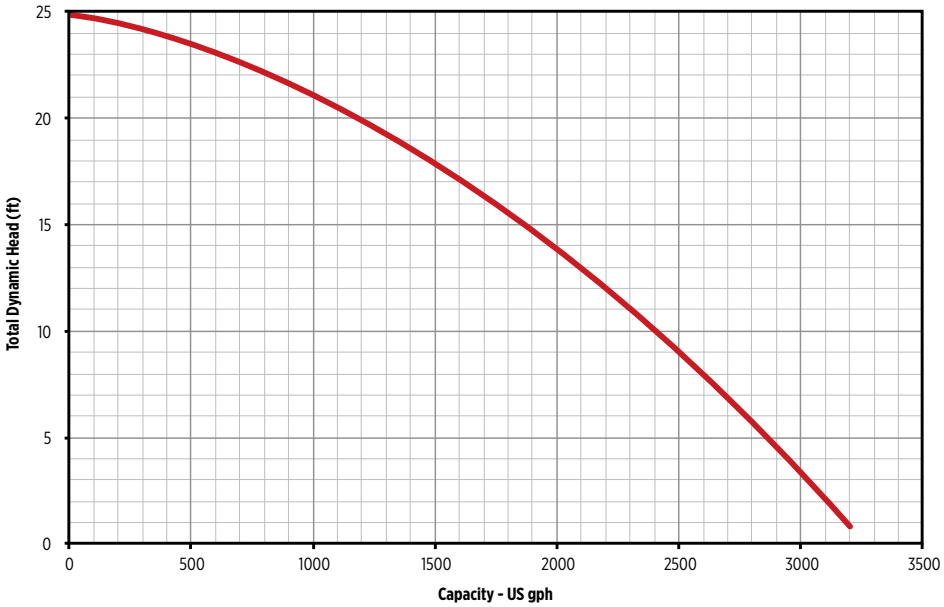
- 1/3 hp sump pump
- Engineered thermoplastic construction
- 6 gallon polypropylene basin
- Pre-assembled water removal system
- Up to 3200 gph

2 TWO YEAR WARRANTY

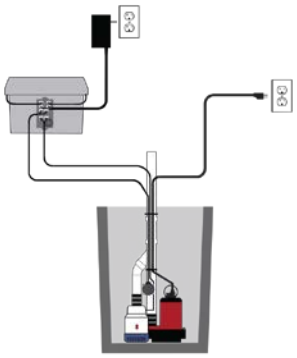
Model	Item No.	UPC	HP	Switch	Volts	Discharge	Vent	Amps	Cord Length	Gallons Per Hour at Height					Shut-Off	Basin Size
										0′	5′	10′	15′	20′		
RL-SPS33	14942736	0 10121 14159 9	1/3	Vertical	115	1-1/2″ FNPT	1-1/2″ FNPT	4.4	8′	3137	2847	2366	1728	967	26′	6 Gallon

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SPS33	15″	15″	13.5″	18.5	1.76	18	6	3



Recommended Installation



BATTERY BACKUP SYSTEM

APPLICATIONS

Provides emergency protection from water damage due to primary sump pump failure or power outages in residential areas such as basements and crawl spaces.

2 TWO YEAR WARRANTY



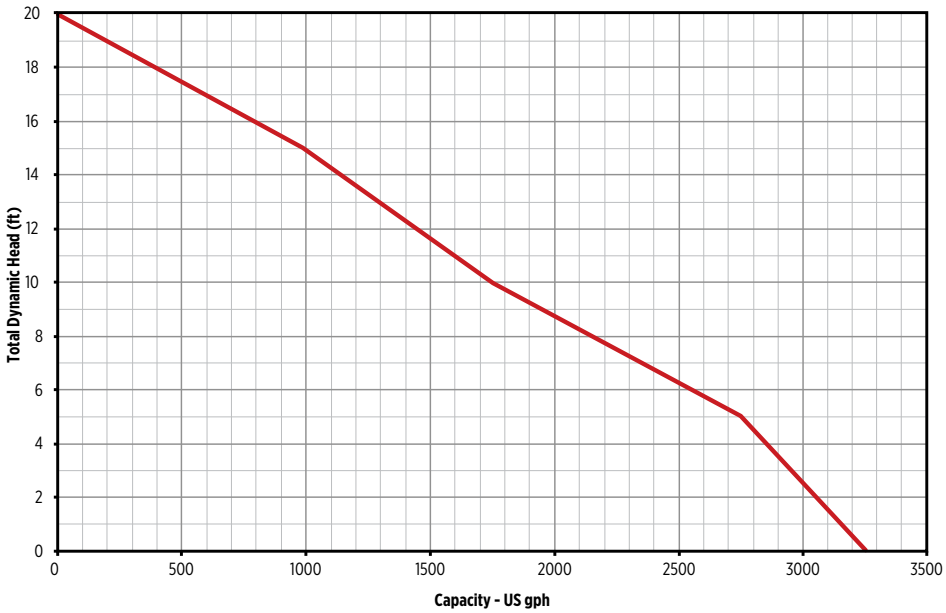
FEATURES & BENEFITS

- Durable battery case (holds a 12V deep cycle battery, not included)
- Powerful 12V DC backup pump
- Automatic diaphragm switch for backup pump
- Reliable 12V CD/1000 mA battery charger unit with audible alarm
- Also includes: 1-1/2" street elbow; 1-1/2" check valve; 1-1/2" coupling

Model	Item No.	UPC	Switch	Volts	Discharge	Amps	Cord Length	Gallons Per Hour at Height				Shut-Off	Basin Diameter
								0′	5′	10′	15′		
RL-SPBS	14942792	0 10121 15095 9	Diaphragm	Pump: 12 V DC Charger: 120 V	1-1/2"	14	Charger: 6′	3240	2655	1755	990	19′	18" or more

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SPBS	15.25"	15.25"	13.5"	17	1.79	18	6	3



RECOMMENDED COMPONENTS FOR INSTALLATION NOT INCLUDED

- Size 27, 12 Volt Battery
- Deep cycle battery (lead acid or AGM)
- Primary Sump Pump, 115VAC (Red Lion RL33SC or RL50SC recommended)
- Check valve for primary sump pump
- 1.5" Pipe
- 1.5" DWV Street Elbow
- 1.5" DWV Wye
- Fittings

CAST IRON SURFACE EFFLUENT PUMP

APPLICATIONS

Ideal for pumping liquid from septic tanks, as well as pumping out flooded basements, irrigation, and general dewatering.

FEATURES & BENEFITS

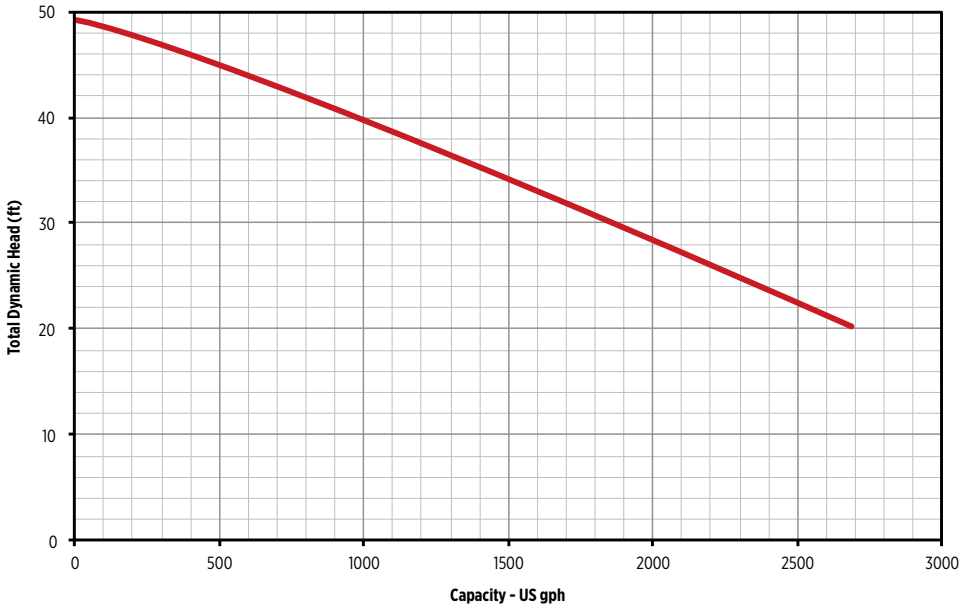
- Easy to prime to 25'; no additional priming required after initial fill
- Built-in check valve
- Rugged cast iron casing
- Heavy-duty motor, 115/230V
- Cast iron impeller
- Not suitable for pond use



Model	Item No.	UPC	HP	Amps/Volts	Discharge	Gallons Per Hour at Height				Shut-Off	Max Pressure (PSI)
						20'	30'	40'	50'		
RL-S50	621810	0 10121 12643 5	1/2	13.78 @ 115V 6.89 @ 230V	1-1/4" FNPT	2700	1860	960	-	49'	21

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-S50	10.25"	20"	11.75"	42	1.39	32	8	4



SNAP-ACTION CAST IRON SUMP/EFFLUENT PUMPS

APPLICATIONS

Ideal for average- to high-volume water and effluent removal in residential spaces such as basements, laundry facilities, and crawl spaces.

FEATURES & BENEFITS

- Automatic submersible cast iron sump/effluent pump
- 1-1/2" FNPT discharge
- Integrated snap-action float switch suitable for use in narrow basins (11" or greater)
- Solid float will never become waterlogged
- Built-in rod protection prevents float from contacting basin
- Clog-resistant design (1/2" diameter semi-solids handling)
- 10' cord



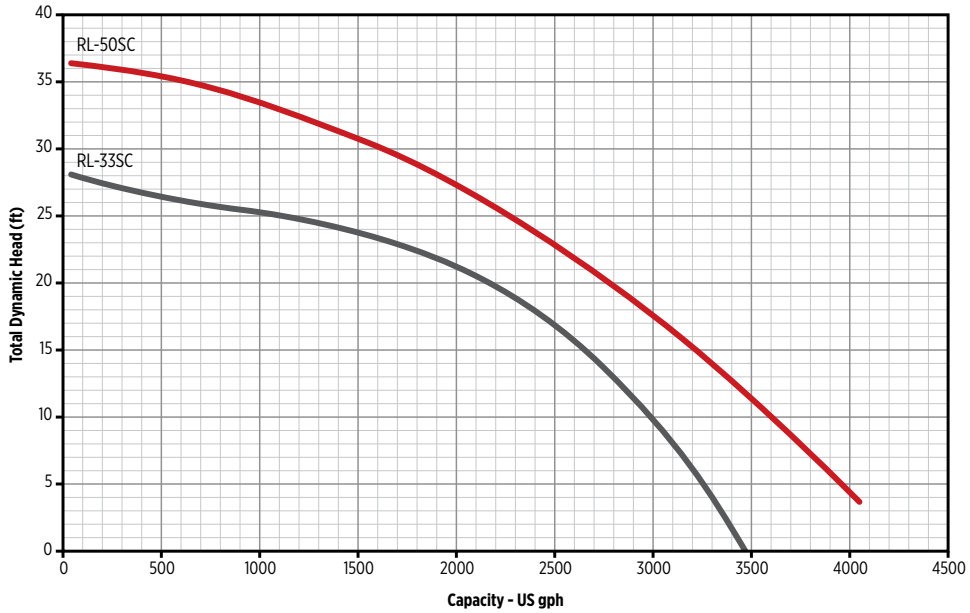
3 THREE YEAR WARRANTY

C SP US

Model	Item No.	UPC	HP	Volts	Amps	Discharge	Cord Length	Gallons Per Hour at Height					Shut-Off	On/Off Levels	Basin Diameter
								5'	10'	15'	20'	30'			
RL-33SC	14942652	0 10121 14579 5	1/3	115	5	1-1/2" FNPT	10'	3200	3000	2500	2200	-	25'	On: 8"–11" Off: 2"–5"	11"
RL-50SC	14942653	0 10121 14580 1	1/2	115	6.5	1-1/2" FNPT	10'	4000	3420	3090	2800	1680	32'	On: 8"–11" Off: 2"–5"	11"

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-33SC	9.75"	11"	12.75"	27.75	0.79	48	16	3
RL-50SC	10.25"	11.50"	13.75"	28.46	0.94	32	8	4



PREMIUM SUBMERSIBLE STAINLESS STEEL SUMP/EFFLUENT PUMPS

APPLICATIONS

Ideal for high volume water and effluent removal in residential spaces such as basements, laundry facilities, and crawl spaces.

FEATURES & BENEFITS

- Automatic submersible sump pump is ideal for high-volume water removable applications
- Heavy-duty stainless steel and cast iron construction for years of service and reliability
- Clog-resistant design is capable of passing 3/4" diameter semi-solids
- Tethered float switch for reliable automatic operation for use in basins 18" diameter or greater

5 FIVE YEAR WARRANTY

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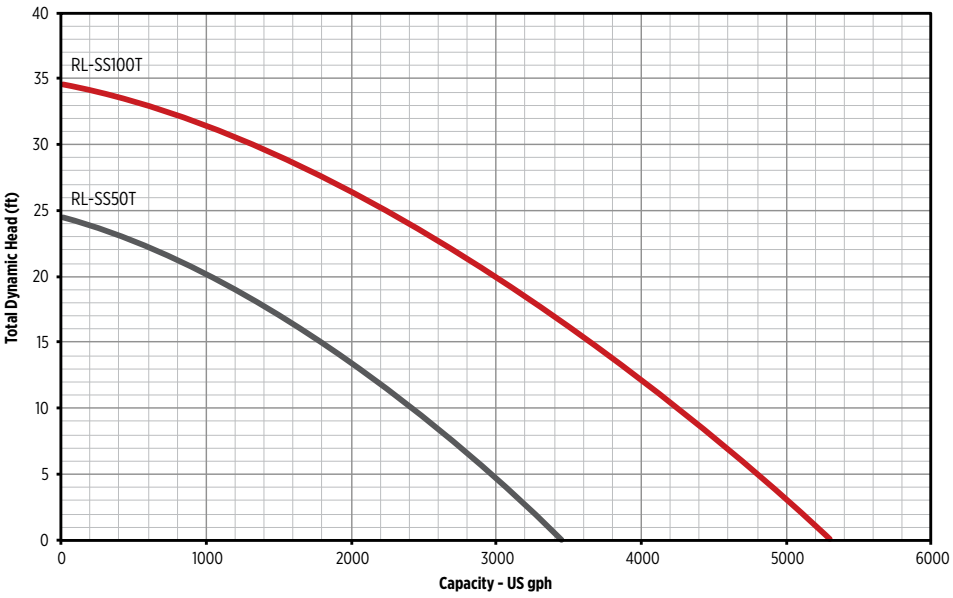


RL-SS50T RL-SS100T

Model	Item No.	UPC	HP	Volts	Amps	Discharge	Cord Length	Gallons Per Hour at Height						Shut-Off	Min. Basin Diameter	On/Off Levels
								0′	5′	10′	15′	20′	30′			
RL-SS50T	14942781	0 10121 14437 8	1/2	115	5	1-1/2" FNPT	10′	3450	3000	2400	1800	-	-	25′	18" or more	On: 13.8"–14.8" Off: 5.5"–6.5"
RL-SS100T	14942782	0 10121 14438 5	1	115	8	2" FNPT 1-1/2" FNPT adapter incl.	20′	5300	4800	4300	3700	3000	1300	35′	18" or more	On: 15"–18" Off: 7"–10"

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-SS50T	7"	10.5"	17"	22.5	0.72	40	20	2
RL-SS100T	10"	11"	18"	33.6	1.15	32	16	2



HEAVY-DUTY CAST IRON EFFLUENT PUMP

APPLICATIONS

Ideal for liquid effluent pumping applications, as well as light commercial applications with up to 11/16" diameter semi-solids.

FEATURES & BENEFITS

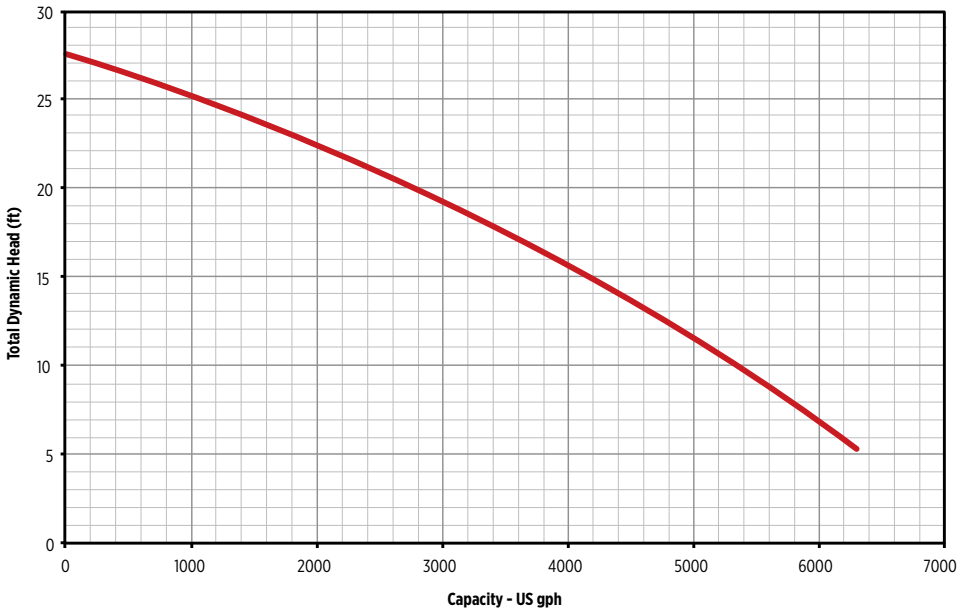
- 1/3 hp 115V thermal overload protected continuous duty motor
- Rugged cast iron construction
- Heavy-duty cast iron pump base and impeller
- Automatic piggyback float switch



Model	Item No.	UPC	HP	Amps	Volts	Discharge	Cord Length	Gallons Per Hour at Height					Shut-Off	Min. Basin Diameter
								5′	10′	15′	20′	25′		
RL31EA	620040	0 10121 12134 8	1/3	10.4	115	2" NPT	20′	6300	5400	4200	2700	900	28′	18" or more

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL31EA	9.75"	12.5"	21.5"	52	1.52	24	12	2



HEAVY-DUTY SEWAGE PUMPS

APPLICATIONS

Ideal for high volume raw sewage removal applications.

FEATURES & BENEFITS

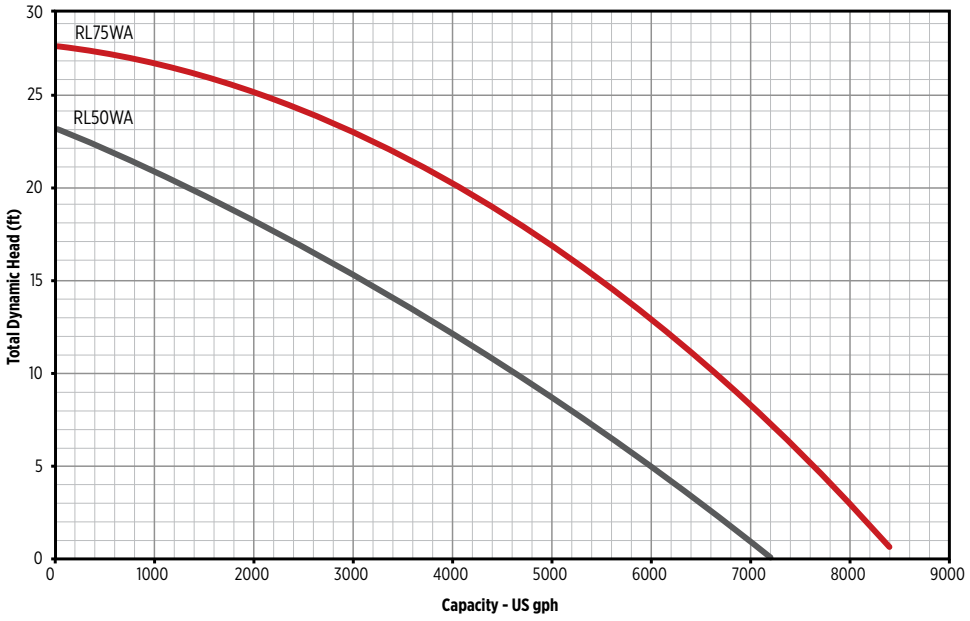
- Automatic submersible cast iron sewage pump ideal for high volume sewage and effluent needs
- Clog-resistant design capable of passing 2" diameter solids
- Heavy-duty cast iron construction for years of service and reliability
- Tethered piggyback float switch for reliability in automatic operation in basins 18" diameter or greater
- Energy-efficient PSC motor



Model	Item No.	UPC	HP	Volts	Amps	Discharge	Cord Length	Gallons Per Hour at Height						Shut-off	On/Off Levels	Min. Basin Diameter
								0′	5′	10′	15′	20′	25′			
RL50WA	14942663	0 10121 00060 5	1/2	115	9.3	2" FNPT	20′	7200	6000	4800	3180	1200	-	22′	On: 16"–18" Off: 9"–11"	18" or more
RL75WA	14942664	0 10121 00061 2	3/4	115	11	2′ FNPT	20′	8400	7800	6600	5400	4200	2400	28′	On: 17"–20" Off: 10"–12"	18" or more

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL50WA	10.2"	11.6"	17.4"	42.8	1.38	32	16	2
RL75WA	10.2"	11.6"	17.8"	44	1.2148	32	16	2



CAST IRON SEWAGE PUMP



APPLICATIONS

Ideal for high volume raw sewage removal applications.

FEATURES & BENEFITS

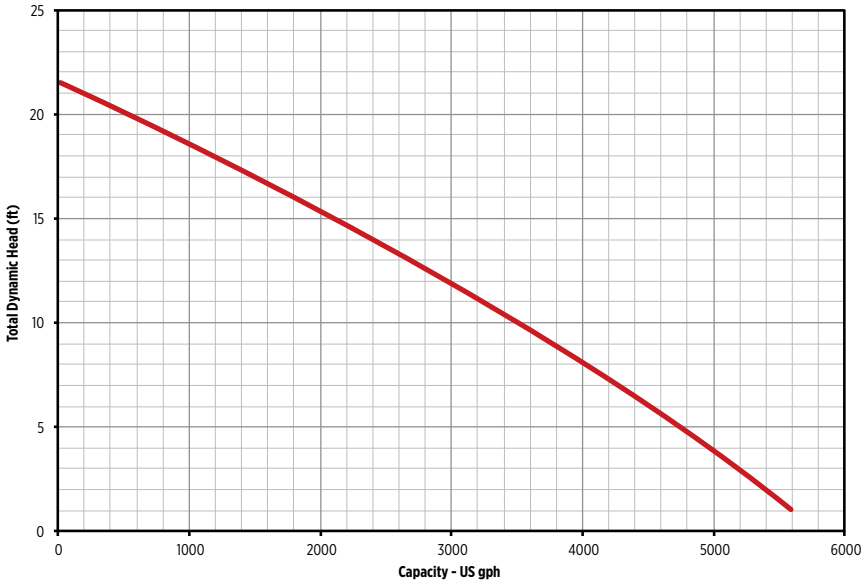
- Automatic submersible cast iron sewage pump
- PSC dual bearing motor with overload protection
- Capable of passing up to 2" diameter semi-solids
- Piggyback tethered float switch
- 10' power cord

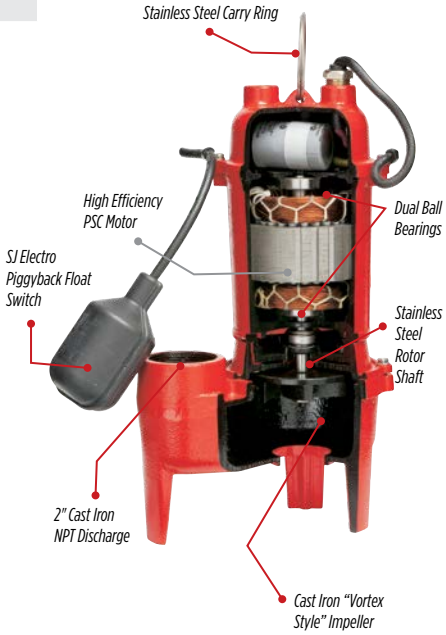
Model	Item No.	UPC	HP	Volts	Amps	Discharge	Cord Length	Gallons Per Hour at Height					Shut-Off	On/Off Levels	Min. Basin Diameter
								0'	5'	10'	15'	20'			
RL-WC50TA	14942748	0 10121 14171 1	1/2	115	9	2" FNPT	10'	5600	4920	3720	1680	480	22'	On: 17.5" Off: 7.5"	18" or more

Note: Performance tested without GHT Adaptor. Performance will be lower when using GHT Adaptor.

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-WC50TA	9.0"	8.5"	18.5"	35.5	0.82	100	25	4
Pump Only	9.0"	6.0"	15.8"	33.5				





24" X 24" SEWAGE BASIN SYSTEM AND BASINS

APPLICATIONS

Ideal for the collection and removal of sewage, effluent, drainage or seepage water from low lying areas.

FEATURES & BENEFITS

- Includes 24" x 24" polyethylene basin
- Meets gas tight and radon-free building code requirements
- 2" full-flow sewage check valve
- Cover assembly and hardware
- Includes 1/2 hp sewage pump
- Discharge pipe - pump to basin cover
- Heavy-duty cast iron pump base and impeller
- Automatic piggyback float switch

2 TWO YEAR WARRANTY



RL-WCS50TA-24

Model	Item No.	UPC	HP	Amps/ Volts	Discharge	Cord Length	Gallons Per Hour at Height					Shut-Off	On/Off Levels	Basin Diameter
							0'	5'	10'	15'	20'			
RL-WCS50TA-24	14942756	0 10121 15228 1	1/2	9/115	2" FNPT	10'	5600	4920	3720	1680	480	22'	On: 17.5" Off: 7.5"	24"
RL-GTB24 (Basin Only)	14942772	0 29753 00507 0	-	-	-	-	-	-	-	-	-	-	-	24"
RL-GTC24 (Cover Only)	14942773	0 29753 00508 7	-	-	-	-	-	-	-	-	-	-	-	24"

NOTE: Basin dimensions are approximate; they do not include the lip of the basin

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-WCS50TA-24	28.75"	28.75"	34.75"	76	16.62	1	1	1
RL-GTB24 (Basin Only)	28.75"	28.75"	25.625"	18	12.26	8	1	8
RL-GTC24 (Cover Only)	28.625"	29"	1.5"	8.5	0.65	32	1	32



RL-GTC24



RL-GTB24

18" X 30" SEWAGE BASIN SYSTEM

APPLICATIONS

Ideal for the collection and removal of sewage, effluent, drainage or seepage water from low lying areas.

FEATURES & BENEFITS

- Includes 18" x 30" polyethylene basin
- 2" full-flow plastic sewage check valve
- Cover assembly and hardware
- Includes 1/2 hp sewage pump
- Discharge pipe - pump to basin cover
- Heavy-duty cast iron pump base and impeller
- Automatic piggyback float switch



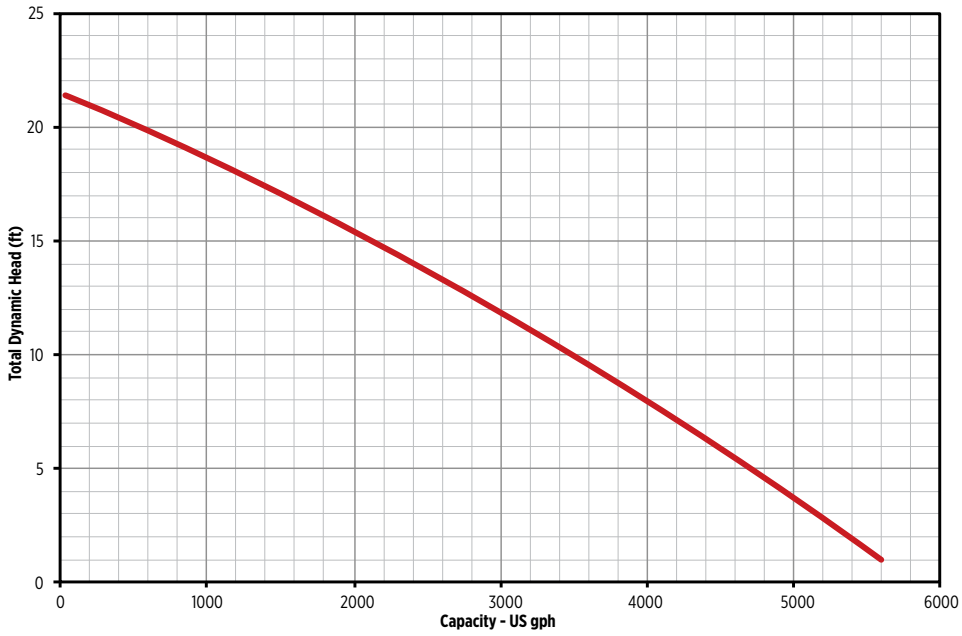
RL-WCS50TA

Model	Item No.	UPC	HP	Amps/ Volts	Discharge	Cord Length	Gallons Per Hour at Height					Shut-Off	On/Off Levels	Assembly Required
							0'	5'	10'	15'	20'			
RL-WCS50TA	14942749	0 10121 14172 8	1/2	9/115	2" FNPT	10'	5600	4920	3720	1680	480	22'	On: 17.5" Off: 7.5"	Yes

NOTE: Basin dimensions are approximate; they do not include the lip of the basin

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-WCS50TA	18"	18"	36"	55	6.75	4	2	2



THERMOPLASTIC UTILITY PUMPS

APPLICATIONS

Ideal for general water transfer applications and household water removal in places like basements, aquariums, and window wells.

FEATURES & BENEFITS

- Submersible 115V utility pumps
- Reinforced engineered thermoplastic construction
- Screened bottom intake design
- Removes water to within 3/16" of surface
- Includes garden hose adapter

2 TWO YEAR WARRANTY



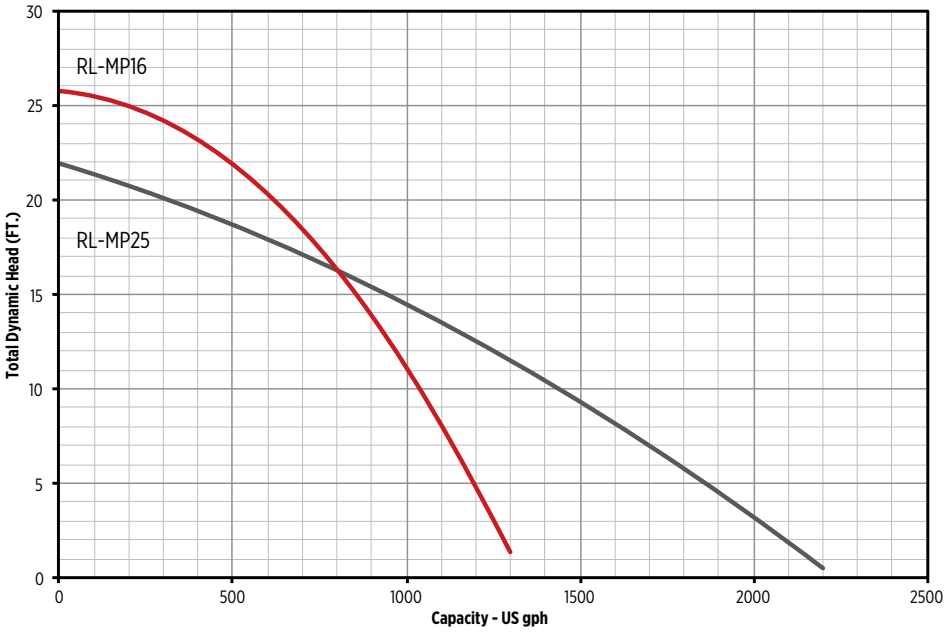
RL-MP25 RL-MP16

Model	Item No.	UPC	HP	Amps	Volts	Discharge	Intake	Cord Length	Gallons Per Hour at Height					Shut-Off
									0′	5′	10′	15′	20′	
RL-MP16	14942731	0 10121 14154 4	1/6	2	115	1" MNPT 3/4" GHT	Screened Bottom	8′	1300	1223	1068	864	550	25′
RL-MP25	14942732	0 10121 14155 1	1/4	2.5	115	1-1/4" MNPT 3/4" GHT	Screened Bottom	8′	2200	1920	1440	900	-	22′

**Utility Pump performance is measured without the Garden Hose Adaptor. Performance will be lower when using the adaptor.*

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-MP16	6.3"	6.3"	11.75"	7.25	0.27	252	42	6
RL-MP25	6.3"	6.3"	12"	7.5	0.28	168	42	4



ALUMINUM UTILITY PUMP





APPLICATIONS

Ideal for general water transfer applications and household water removal in places like basements, crawl spaces, rooftops and window wells.

FEATURES & BENEFITS

- Submersible 1/4 hp, 115V utility pump
- Corrosion-resistant epoxy-coated cast aluminum casing for superior heat dissipation
- Lightweight portability
- Screened bottom intake design removes water to within 1/4" of surface
- 3/4" GHT discharge with 1-1/4" FNPT adapter included
- 10' power cord

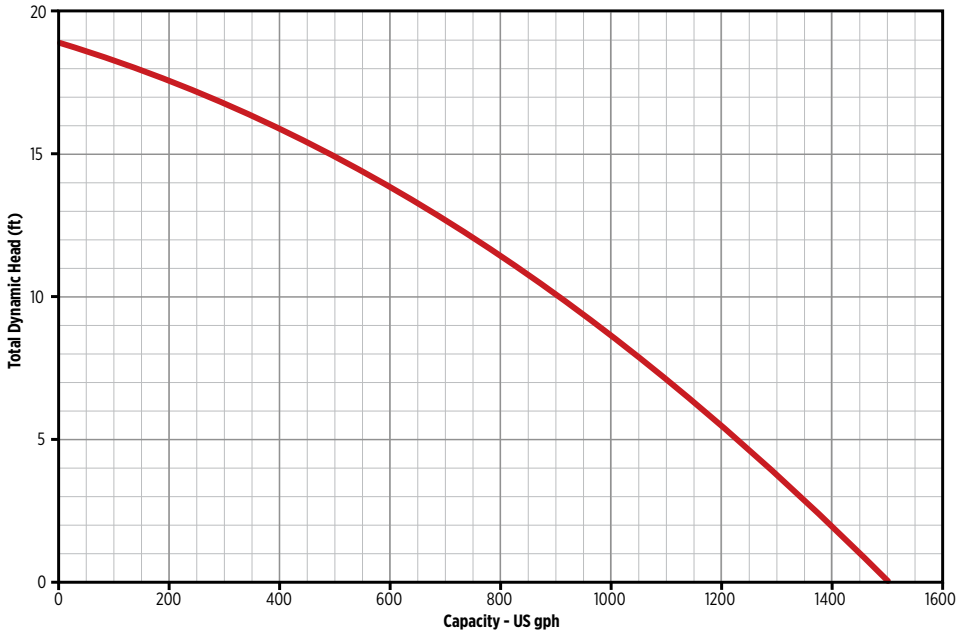
Model	Item No.	UPC	HP	Amps	Volts	Discharge	Cord Length	Gallons Per Hour at Height				Shut-Off
								0'	5'	10'	15'	
RL-25U	14942730	0 10121 00278 4	1/4	2.5	115	3/4" GHT 1-1/4" FNPT	10' 3 m	1500 5678 L	1250 4732 L	900 3407 L	500 1893 L	19' 5.8 m

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight	Carton Cubes (cu ft)	Master Pack Quantity
RL-25U	7.1" 178 mm	5.9" 150 mm	12.6" 320 mm	9 lbs 4.08 kg	0.2538	6

MASTER PACK SPECIFICATIONS

Model	Length	Width	Height	Weight	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-25U	18.5" 470 mm	12.6" 320 mm	13.4" 340 mm	55.5 lbs 25.2 kg	1.8076	21 master packs	7 master packs	3



Replacement 3/4" FGHT; 1-1/4" FNPT Adaptor Only - Item 14942729

AUTOMATIC UTILITY PUMP

APPLICATIONS

Ideal for general water transfer applications and household water removal in places like basements, crawl spaces, rooftops, and other areas where automatic operation is required. This pump activates in three minute intervals to detect if water is present. If water is present, pump will continue to operate until water is removed.

Pumps automatically when water is present



FEATURES & BENEFITS

- Automatic submersible 115V utility pump
- Reinforced engineered thermoplastic construction
- Technologically advanced switch for automatic operation
- Checks for water every three minutes
- Screened bottom intake design removes water within 3/4" of surface or 1/4" of surface without the screen
- Includes garden hose adapter

5 FIVE YEAR WARRANTY

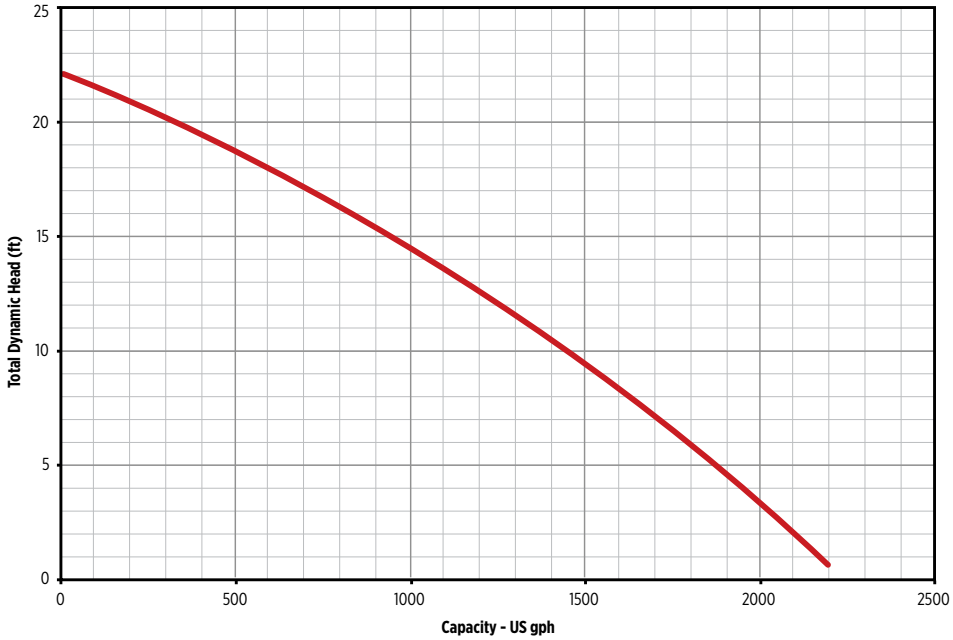
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Model	Item No.	UPC	HP	Amps	Volts	Discharge	Intake	Cord Length	Gallons Per Hour at Height				Shut-Off
									0′	5′	10′	15′	
RL-MP25A	14942735	0 10121 14158 2	1/4	2.5	115	1-1/4" MNPT 3/4" GHT	Screened Bottom	10′	2200	1920	1440	900	22′

**Utility Pump performance is measured without the Garden Hose Adaptor. Performance will be lower when using the adaptor.*

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL-MP25A	6.5"	6.25"	11.75"	7.5	0.28	216	36	6



MULTI-PURPOSE TRANSFER PUMPS

APPLICATIONS

Ideal for draining hot water tanks, appliances, aquariums, and boat bilges, filling or emptying live wells, or water transfer applications where easy portability is required.



RLMPFV12

FEATURES & BENEFITS

- Portable non-submersible transfer pump
- Rugged metal pump head and motor cover
- Corrosion- and rust-resistant 3/4" male garden hose threading
- RLMPFVK115 includes suction hose, strainer, suction attachment, and replacement impeller/motor brush kit
- RLMPFV12 connects easily to a 12V battery



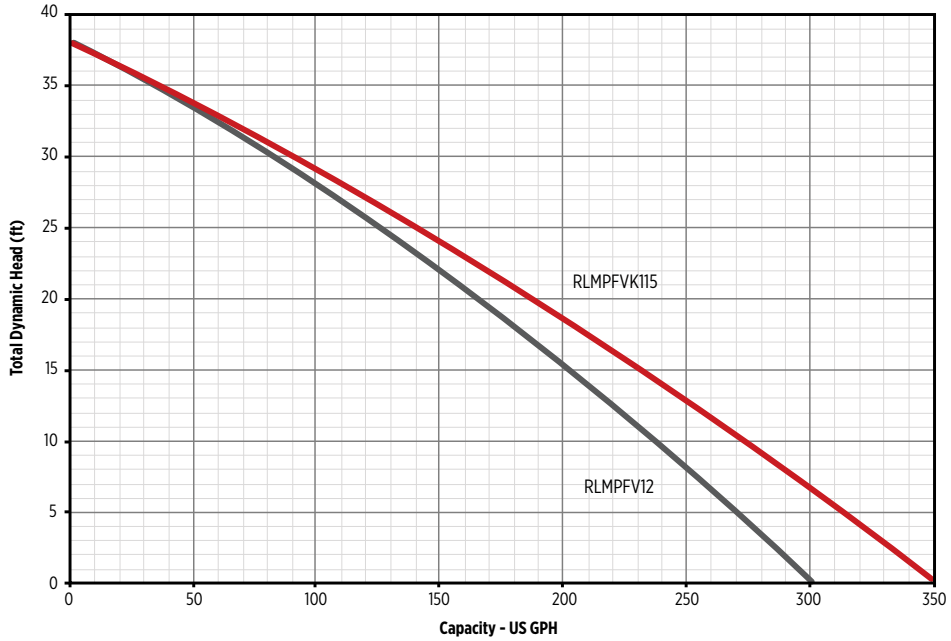
RLMPFVK115

1 ONE YEAR WARRANTY

Model	Item No.	UPC	HP	Amps	Volts	Intake	Discharge	Cord Length	Gallons per Hour at Height				Shut-Off
									1' 0.3 m	5' 1.5 m	10' 3 m	15' 4.6 m	
RLMPFV12	14942014	0 10121 00328 6	1/12	9.0	12 V DC	3/4" GHT	3/4" GHT	10' 3 m	300 1136 L	275 1040 L	240 908 L	200 757 L	38' 11.6 m
RLMPFVK115	14942025	0 10121 00329 3	1/12	2.3	115V	3/4" GHT	3/4" GHT	10' 3 m	350 1325 L	300 1136 L	270 1022 L	240 908 L	38' 11.6 m

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Master Pack Quantity	Pallet Quantity	Quantity per Layer	Layers per Pallet
RLMPFV12	4.8" 121 mm	6.7" 171 mm	5.3" 135 mm	4.55 lbs. 2.06 kg	0.0986	4	72 master packs	12 master packs	6 master packs
RLMPFVK115	8.7" 22 cm	8.7" 22 cm	5.9" 15 cm	6.1 lbs. 2.8 kg	0.2584	4	28 master packs	4 master packs	7 master packs



MULTI-PURPOSE TRANSFER PUMP



APPLICATIONS

Ideal for boosting household water pressure to wash vehicles and driveways and for use in other water transfer and removal applications.

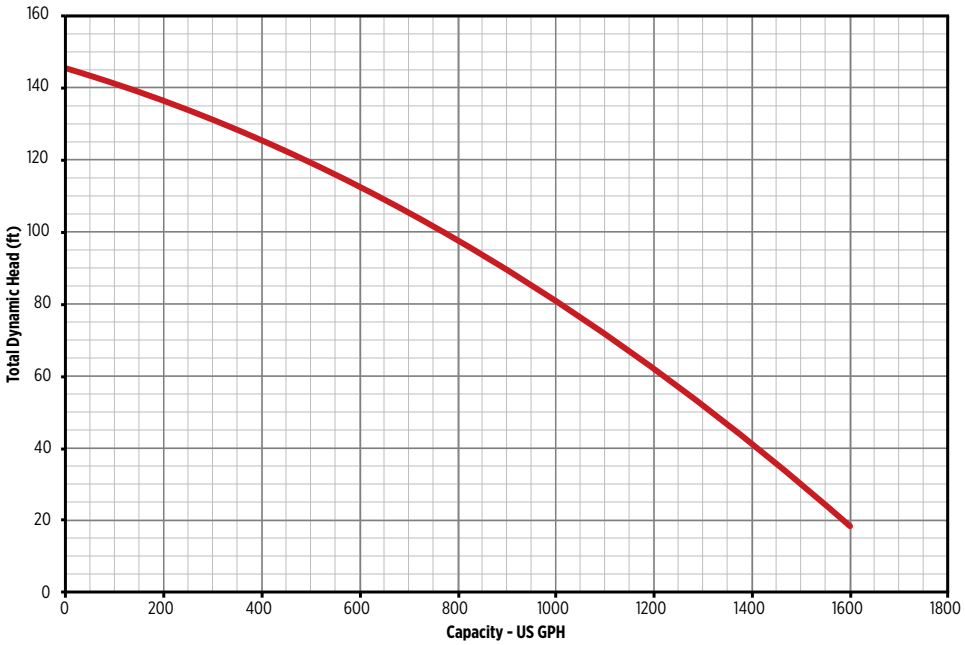
FEATURES & BENEFITS

- Non-submersible utility pump
- Heavy-duty cast iron construction
- Includes two 3/4" brass garden hose adapters, two replacement motor brushes, and strainer

Model	Item No.	UPC	HP	Amps	Volts	Intake/ Discharge	Cord Length	Gallons per Hour at Height					Shut-Off	Minimum PSI	Nominal PSI
								20′ 6 m	40′ 12 m	60′ 18 m	80′ 24 m	100′ 30 m			
RLMPTC	14942016	0 10121 00240 1	1/2	10	115	3/4" GHT	10′ 3.0 m	1600 6057 L	1400 5300 L	1200 4542 L	1000 3785 L	800 3028 L	145′ 44 m	51.9	57.0

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RLMPTC	12.01"	7.48"	10.24"	21 lbs.	0.5324	72	18	4



DRILL POWERED TRANSFER PUMP

APPLICATIONS

Designed for use with an electric hand drill, this pump is self-priming and ready to connect to any standard garden hose. This cost-effective device is ideal for removing oil from lawn mowers, draining sinks, dishwashers, water heaters, aquariums, or other shallow areas.



FEATURES & BENEFITS

- Multi-purpose drill pump
- Thermoplastic easy-to-prime construction for best pump performance and extended service life
- Connects to standard drill and garden hose to make easy work out of household jobs

CARTON SPECIFICATIONS

Model	Item No.	UPC	Length	Width	Height	Carton Cubes (cu ft)	Weight (lbs)	Max Flow (GPH)
RLMPDP	14942013	0 10121 00357 6	3"	4.13"	6.89"	0.05	0.5	154*

**Based on 90 gph with 1,500 rpm cordless drill or 154 gph with 2,500 rpm corded drill*

PUMP ONLY DIMENSIONS

Length	Width	Height
2.62"	4.33"	2.91"

MASTER PACK SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Master Pack Quantity	Pallet Quantity	Quantity per Layer	Layers per Pallet
RLMPDP	13"	8.27"	5.51"	4	0.34	6	120 Master Packs	15 Master Packs	8

DRILL POWERED TRANSFER PUMP KIT

APPLICATIONS

Ideal for removing oil from lawnmowers or draining water from sinks, dishwashers, water heaters, aquariums, or other shallow areas.



90 NINETY DAY WARRANTY

FEATURES & BENEFITS

- Multi-purpose drill pump
- Thermoplastic easy-to-prime construction for best pump performance and extended service life
- Connects to standard drill and garden hose to make easy work out of household jobs
- The drill pump kit is equipped with:
  - Drill pump
  - One 32" (813 mm) x 3/4" garden hose with FGHT brass coupling
  - One 32" (813 mm) x 1/4" diameter tube with 3" x 1/4" adapter (packaged inside the garden hose)

CARTON SPECIFICATIONS

Model	Item No.	UPC	Length	Width	Height	Carton Cube	Weight (lbs)	Max Flow(GPH)
RLMPDP-KIT	14942022	010121016347	7.7"	3.2"	7.6"	0.11	0.97	154*

**Based on 90 gph with 1,500 rpm cordless drill or 154 gph with 2,500 rpm corded drill*

MASTER PACK SPECIFICATIONS

Length	Width	Height	Weight	Cube	Master Pack Quantity	Pallet Quantity	Quantity per Layer	Layers per Pallet
13.6"	8.1"	8.1"	3.88 lbs	0.5164 cu ft	4pcs	80CTNS	16CTNS	5 layers

ALUMINUM WATER TRANSFER PUMP

APPLICATIONS

Ideal for general purpose use where portability is required such as water* transfer and contractor dewatering applications.

FEATURES & BENEFITS

- Durable cast iron semi-open style impeller
- Lightweight aluminum construction with base and handle for portability
- Easy to prime to 25'; no additional priming required after initial fill
- Built-in check valve
- EPA certified
- Includes 2 X 1-1/2" FNPT to 1" MNPT Aluminum Reducing Adaptors

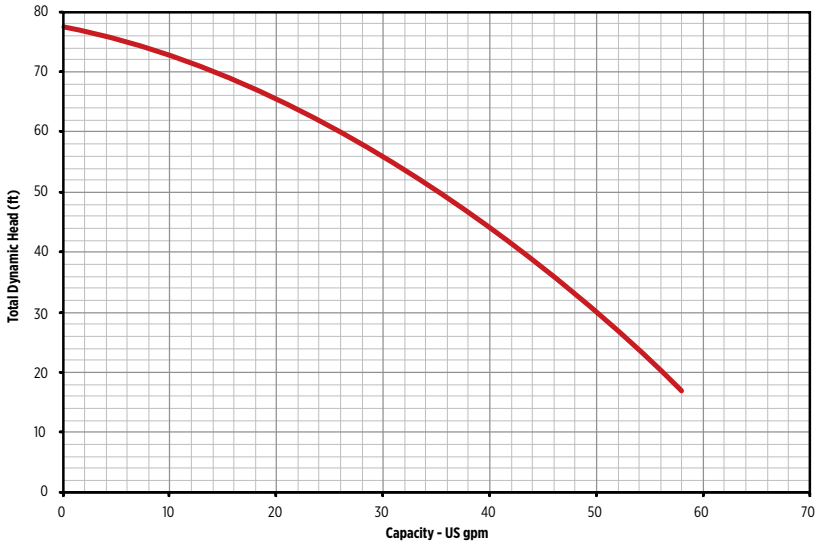


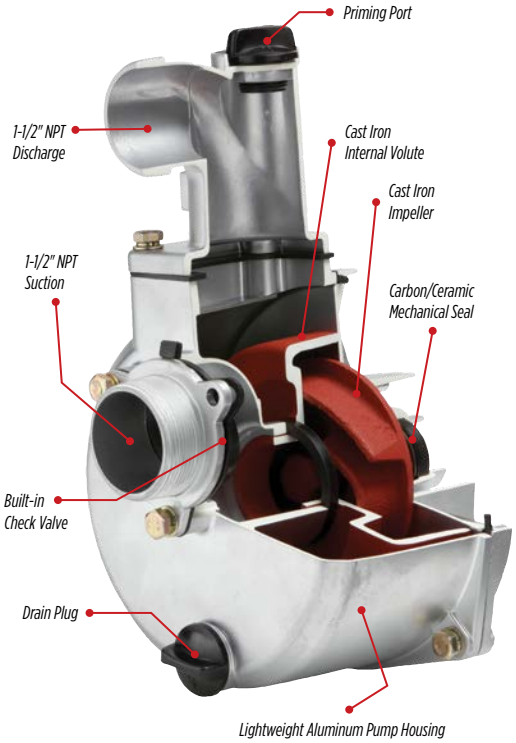
This pump is designed for pumping water only.

Model	Item No.	UPC	cc	Intake	Discharge	Suction Lift	Max Head	Max Flow (GPM)	Fuel Tank (qt)	Engine
2RLAG-1L	617031	0 10121 14500 9	79	1-1/2" MNPT	1-1/2" MNPT	25'	79'	60	1.7	Air Cooled 4 Stroke 79cc OHV

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
2RLAG-1L	14"	20.75"	17.75"	43	2.98	8	4	2





ALUMINUM WATER AND SEMI-TRASH TRANSFER PUMP KIT

APPLICATIONS

Ideal for general purpose use where portability is required such as water transfer and dewatering. Can handle liquid slurries including sand, pebbles, and suspended solids less than 1/2" in diameter.



FEATURES & BENEFITS

- Durable cast iron semi-open style impeller
- Lightweight aluminum outer casing includes heavy-duty roll frame
- Easy to prime to 25'; no additional priming required after initial fill
- Built-in check valve
- Includes 12' reinforced suction hose with steel suction strainer, 50' lay-flat discharge hose with attached couplings, and two 2" aluminum adapters for use with quick-connect couplers
- Includes heavy-duty roll frame

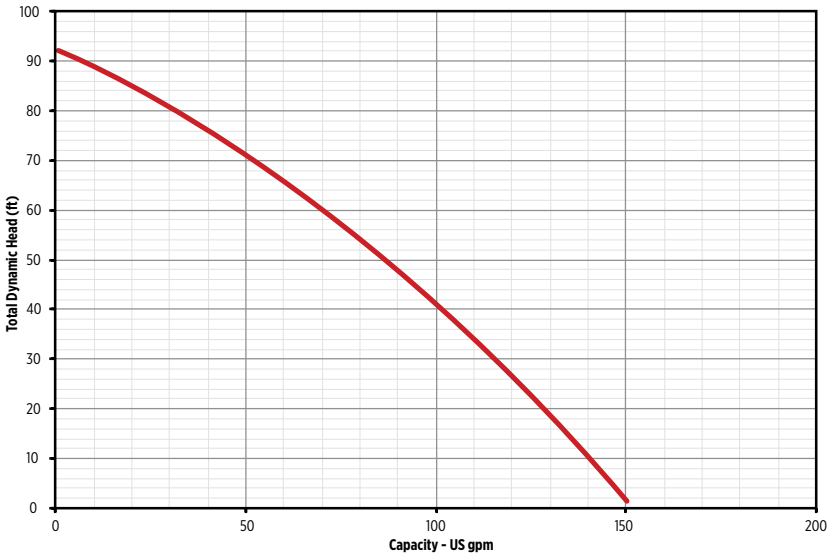
2 TWO YEAR WARRANTY

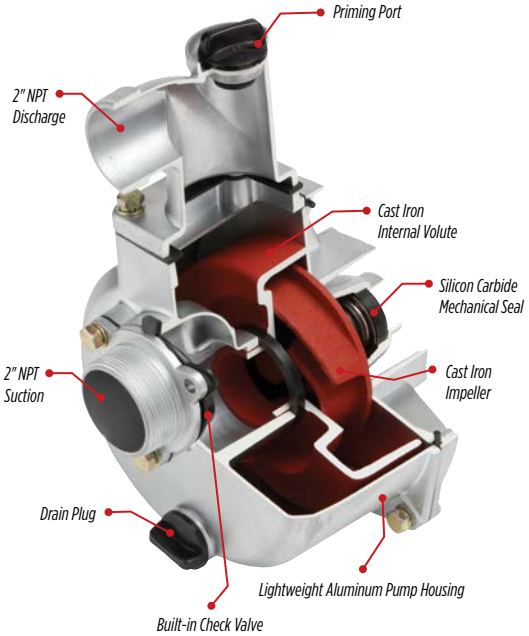
**Not to be used for applying driveway sealant.*

Model	Item No.	UPC	cc	Intake	Discharge	Suction Lift	Max Head	Max Flow (GPM)	Fuel Tank (qt)	Engine
6RLAG-2LKIT	617044	0 02975 300754 8	208	2" NPT	2" NPT	25'	92'	150	3.8	Air Cooled, 4 Stroke OHV (208cc)

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
6RLAG-2LKIT	17.5"	27"	17.75"	85.9	4.85	4	2	2





ENGINE DRIVE CAST IRON TRANSFER PUMP

APPLICATIONS

Ideal for liquid transfer including most agricultural chemicals* and general dewatering where rugged portability is important.



FEATURES & BENEFITS

- Heavy-duty cast iron pump casing
- Durable cast iron semi-open type impeller
- Stainless steel shaft sleeve and EPDM elastomer seal
- 2" NPT suction and discharge for convenient hook-up
- Easy to prime to 25'; no additional priming required after initial fill
- Handles most liquid agricultural chemicals
- Handles up to 5/8" solid debris
- Includes heavy-duty roll frame

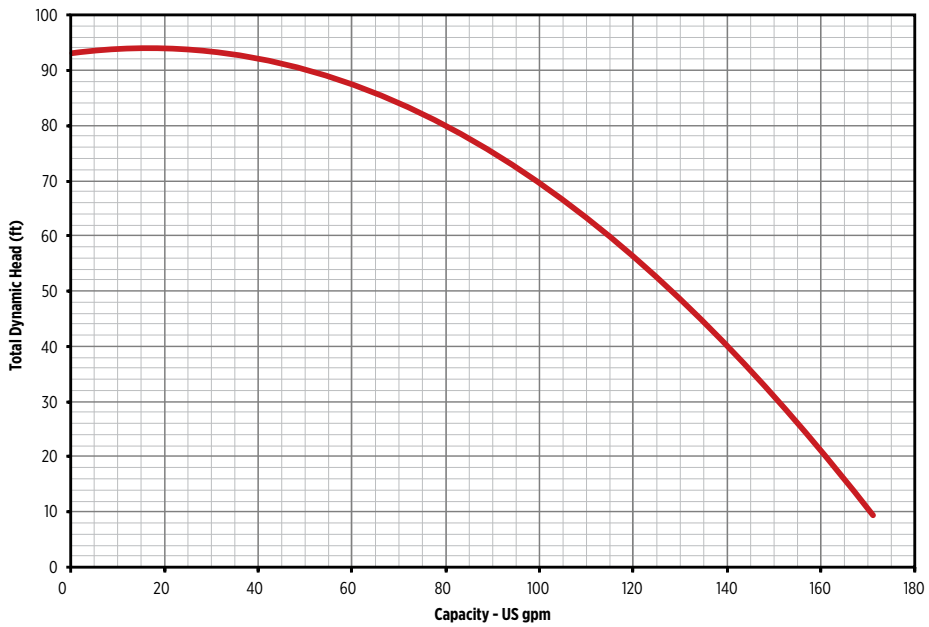
2 TWO YEAR WARRANTY

Not to be used for applying driveway sealant.

Model	Item No.	UPC	cc	Intake	Discharge	Suction Lift	Max Head	Max Flow (GPM)	Fuel Tank (qt)	Engine
5RLGF-8KRF	617032	0 10121 14501 6	196	2" FNPT	2" FNPT	25'	95'	170	3.8	Air Cooled, 4 Stroke, OHV (196cc)

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
5RLGF-8KRF	17.5"	21"	18"	74	3.93	8	4	2



THERMOPLASTIC AG CHEMICAL & TRANSFER PUMP

APPLICATIONS

Ideal for sprayer applications such as liquid fertilizers and agricultural chemicals*.

FEATURES & BENEFITS

- Lightweight corrosion-resistant polyester pump housing and impeller
- Easy to prime to 25'; no additional priming required after initial fill
- Integrated check valve and carry handle
- Rubber feet to dampen vibration
- EPA certified
- 3.8 quart fuel tank
- Carbon ceramic with EPDM elastomer seal

**Not to be used for applying driveway sealant.*

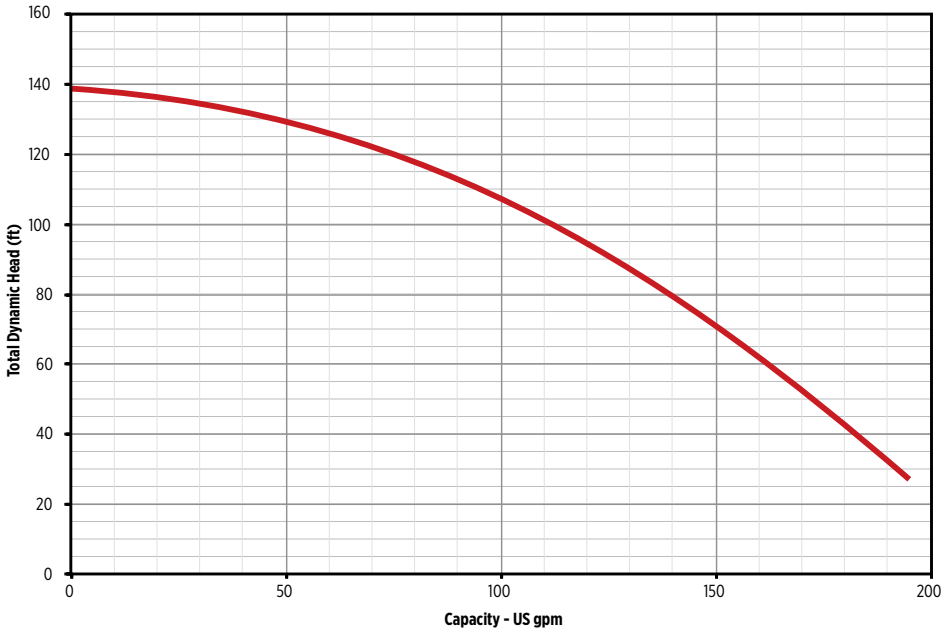


2 TWO YEAR WARRANTY

Model	Item No.	UPC	cc	Intake	Discharge	Suction Lift	Max Height	Max Flow (GPM)	Fuel Tank (qt)	Engine
6RLPG-2U	617070	0 10121 14086 8	212	2" FNPT	2" FNPT	25'	140'	195	3.8	4 Stroke OHV (212cc)

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
6RLPG-2U	20"	17.5"	16"	46.5	3.24	12	4	3



ALUMINUM SEMI-TRASH PUMPS

APPLICATIONS

Ideal for high volume water* transfer and dewatering. Can handle liquid slurries including sand, pebbles, and suspended solids less than 1/2" in diameter.



6RLAG-2LST

FEATURES & BENEFITS

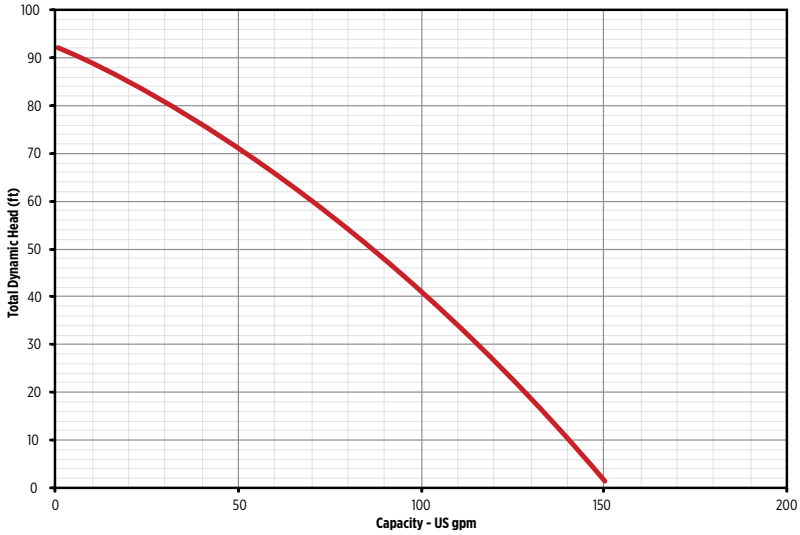
- Durable cast iron semi-open style impeller
- Lightweight aluminum outer casing includes heavy-duty roll frame
- Wear-resistant silicon carbide mechanical seal
- Easy to prime to 25'; no additional priming required after initial fill
- Built-in check valve
- Includes heavy-duty roll frame
- EPA certified

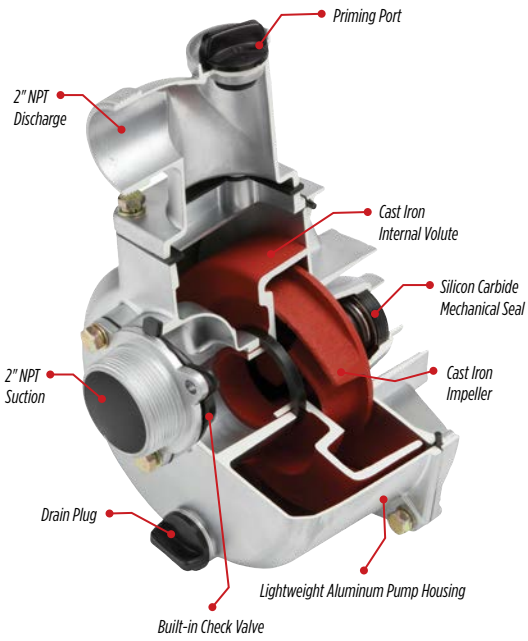
Not to be used for applying driveway sealant.

Model	Item No.	UPC	cc	Intake	Discharge	Suction Lift	Max Head	Max Flow (GPM)	Fuel Tank (qt)	Engine
6RLAG-2LST	617034	0 10121 14503 0	208	2" MNPT	2" MNPT	25'	92'	150	3.8	4 Stroke OHV (208cc)

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
6RLAG-2LST	17.5"	20"	16.5"	52	3.34	12	4	3





ALUMINUM TRASH PUMP



APPLICATIONS

Ideal for high volume water* transfer and construction grade dewatering applications. Can handle liquid slurries containing sand, small rocks, and other debris less than 1-1/4" in diameter.

FEATURES & BENEFITS

- Powered by 208cc 4 stroke air-cooled OHV engine
- Removable aluminum outer casing with cast iron inner volute and impeller for durability
- Silicon carbide seal for abrasion resistance and trash application
- Handles up to 1-1/4" solids
- Includes heavy-duty roll frame
- EPA certified
- Includes 2 X 3" FNPT to 2" MNPT Aluminum Reducing Adaptors

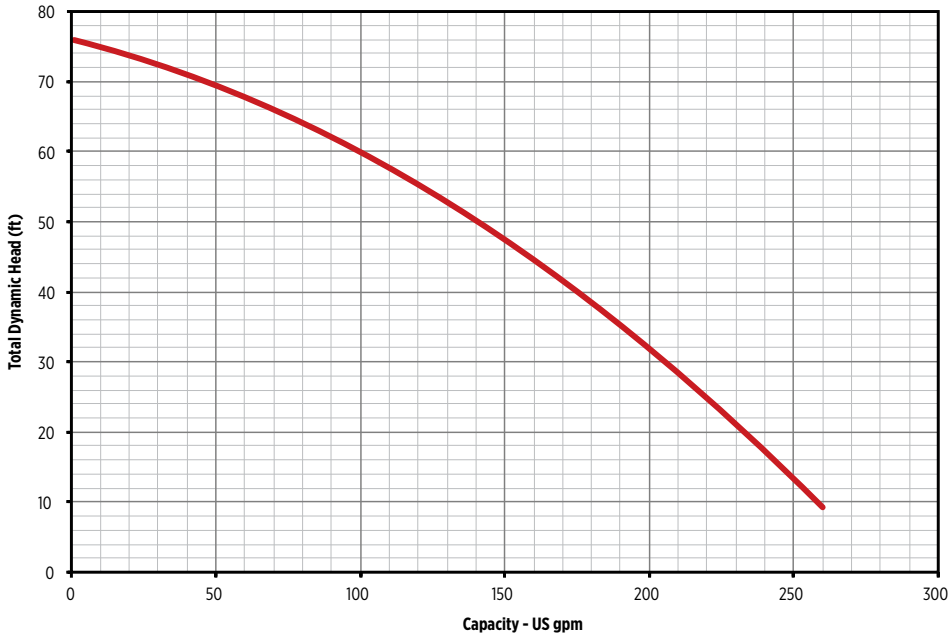
Not to be used for applying driveway sealant.

2 TWO YEAR WARRANTY

Model	Item No.	UPC	cc	Intake	Discharge	Suction Lift	Max Height	Max Flow (GPM)	Fuel Tank (qt)	Engine
6RLAG-3LTT	617038	0 10121 14507 8	208	3" NPT	3" NPT	25'	75'	285	3.8	Air Cooled, 4 Stroke OHV (208cc)

CARTON SPECIFICATIONS

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
6RLAG-3LTT	19.5"	23"	18.5"	95	3.74	8	4	2



ACCESSORIES

For a complete list of accessories, repair kits, and replacement parts, please refer to the product's Owner's Manual.
For the most current information, visit redlionproducts.com.

CLEANWATER ACCESSORIES



Replacement Pressure Switch



Pressure Gauge

Accessory Name	Item No.	Description	UPC
Replacement Pressure Switch	640221	Pressure Switch 30/50 Mini Barb	0 10121 13172 9
	640108	Pressure Switch 30/50 1/4" NPTF	0 10121 13074 6
	640134	*Pressure Switch 30/50 1/4" NPTF M4	0 10121 13081 4

**Low pressure cut-off pressure switch that detects a drop in water pressure and turns the pump off when the pressure falls by approx. 10 PSI.*

Accessory Name	Item No.	Description	UPC
Pressure Gauge	640109	Pressure Gauge, 0-100 PSI	0 10121 13073 9

ENGINE DRIVE ACCESSORIES



2HKP (2" Hose Kit)



3HKM (3" Hose Kit)

Accessory Name	Model	Item No.	Description	UPC
2" Hose Kit	2HKP	617212	12' reinforced suction hose, 50' lay flat discharge hose w/attached quick couplings, 2" x 2" adapters, stainless steel strainer, temperature range 15 °F to 150 °F	0 10121 14640 2

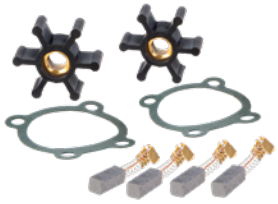
Accessory Name	Model	Item No.	Description	UPC
3" Hose Kit	3HKM	617201	20' PVC suction hose, 50' lay flat discharge hose w/attached quick couplings, 3" x 3" adapters, stainless steel strainer, spanner wrench, temperature range 15 °F to 150 °F	0 10121 14001 1

ACCESSORIES

MULTI-PURPOSE ACCESSORIES



Multi-Purpose Transfer Pump Accessory Kit



Multi-Purpose Transfer Pump Repair Kit

Accessory Name	Model	Item No.	Description	UPC
Accessory Kit	-	14942028	1 strainer, 1- 6' hose, 1 puddle sucker; screen fits RLMPFVK115, RLMPFV12	0 10121 00334 7

Accessory Name	Model	Item No.	Description	UPC
Repair Kit	-	14942027	Repair kit for RLMPFVK115 includes 2 gaskets, 2 impellers, 4 brushes	0 10121 00333 0
	-	14942029	Repair kit for RLMPFVK12 includes 2 gaskets, 2 impellers	0 10121 00335 4
	MPFVRIK	14941004	Repair kit for MPFVIRK includes 2 gaskets, 2 impellers	0 43719 00113 5

WASTEWATER ACCESSORIES



Replacement Tethered Float Switch



Replacement Vertical Float Switch



RL-SPDK

Accessory Name	Model	Item No.	Description	UPC
Replacement Tethered Float Switch	-	640171	10' Piggyback Float Switch	0 10121 12196 6
	-	640172	20' Piggyback Float Switch	0 10121 12200 0
	-	640176	20' "Pump Up" Reverse Action, Piggyback Float Switch	0 10121 15043 0

Accessory Name	Model	Item No.	Description	UPC
Replacement Vertical Float Switch	RL-SP-RVS	14942757	8' Piggyback replacement switch for RL-SP Series pumps	0 10121 00370 5
	RL-SC-RVS	14942758	10' Piggyback replacement switch for RL-SC Series pumps	0 10121 00371 2
	RL-SS-RVS	14942759	10' Piggyback replacement switch for RL-SS Series pumps	0 10121 00372 9
	SVRS	14942904	10' Universal Piggyback switch mounts to discharge pipe	0 10121 12015 0

Accessory Name	Model	Item No.	Description	UPC
Discharge Hose Kit	RL-SPDK	599304	For use with sump pumps which have a 1-1/4" or 1-1/2" discharge. 24' x 1-1/4" flexible drain hose, 1-1/4" and 1-1/2" high impact NPT barbed adapters, steel hose clamp. Temperature range -40 °F to 110 °F	0 10121 14610 5

SUPPORT

IN-STORE SUPPORT

CHANNEL CARDS

The cards provide helpful product details and include a link to the Resource Center, where customers can access more in-depth information—such as installation requirements and step-by-step guidance.

TAKE ONES

Brochures with individual product information. Available in English and French.

- Wastewater & Multi-Purpose Products
- Engine Drive Pump Products
- Cleanwater Products





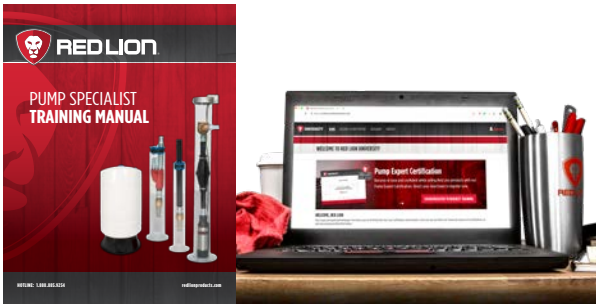
TRAINING MATERIALS

PUMP SPECIALIST

A training manual on the skills needed for a well-informed and confident Red Lion pump expert.

RED LION UNIVERSITY

With Red Lion® University, various training modules are available anywhere a connection is present to provide store owners and employees with advanced education on selling tips, product information, and industry best practices. Visit learn.redlionproducts.com to register for this comprehensive training program.



DISPLAY HEADERS & PLANOGRAMS











RED LION'S TEAM OF EXPERIENCED AND HELPFUL SALES MANAGERS CAN ASSIST IN DESIGNING AN IMPACTFUL DISPLAY THAT DRIVES SALES.

TECHNICAL SUPPORT

RED LION'S TECHNICAL SUPPORT TEAM IS JUST A CLICK OR CALL AWAY

Available Monday through Friday from 8:00 a.m. to 5:00 p.m. EST, they are equipped to assist with complex questions your in-store customers may have. You can reach the team by calling 888.885.9254 or by completing the Contact Us form on Red Lion's website. For after-hours support, simply scan this QR code to access our AI Assistant.

TROUBLESHOOTING GUIDE

SHALLOW WELL JET PUMPS

1. Motor will not start:
   - No power to pressure switch due to blown fuses, open switches or loose connections.
   - Pump pressure switch not closed.
2. Pump fails to deliver water:
   - Pump not completely primed.
   - Suction lift is too great.
   - Foot valve is either not submerged, buried in mud or plugged.
   - Filtration cartridge (if used) needs changing or is not installed properly.
3. Pump loses prime:
   - Air leaks in suction line.
   - Well drawn down too far.
   - Faulty foot valve.
4. Pump delivers water but not at rated capacity:
   - Leaks in suction or discharge line.
   - Foot valve, suction line, impeller or nozzle are partially plugged.
   - Suction lift is greater than recommended.
   - Improper impeller rotation or low speed.
   - Venturi or diffuser is plugged.
   - Motor is wired for improper voltage.
   - Low line voltage at motor.
   - Motor does not come off starting windings (improper motor switch adjustment).
   - Filtration cartridge (if used) needs changing or is not installed properly.
5. Pump starts and stops too often:
   - Faulty air volume control.
   - Air leaks in tank above the water level.
   - Incorrect setting on pressure switch.
   - Tank is waterlogged or too small for application.

CONVERTIBLE JET PUMPS

1. Motor will not start:
   - No power to pressure switch due to blown fuses, open switches or loose connections.
   - Pump pressure switch not closed.
2. Pump fails to deliver water:
   - Pump not completely primed.
   - Suction lift is too great.
   - Foot valve is either not submerged, buried in mud or plugged.
   - Restrictor valve is fully closed.
   - Filtration cartridge (if used) needs changing or is not installed properly.
3. Pump loses prime:
   - Air leaks in suction line.
   - Well drawn down too far and requires a tail-pipe.
   - Faulty foot valve.
4. Pump delivers water but not at rated capacity:
   - Leaks in suction or discharge line.
   - Foot valve, suction line, impeller or nozzle are partially plugged.
   - Suction lift is greater than recommended.
   - Improper setting of control valve on deep well units.
   - Improper impeller rotation or low speed.
   - Venturi or diffuser is plugged.
   - Motor is wired for improper voltage.
   - Low line voltage at motor.
   - Filtration cartridge (if used) needs changing or is not installed properly.
5. Pump starts and stops too often:
   - Air leaks in tank above the water level.
   - Incorrect setting on pressure switch.
   - Tank is waterlogged or incorrectly charged.
   - Foot valve leaks or is stuck open.

SAND POINT APPLICATIONS

Trouble	Possible Solution
Pump noisy; output requirement exceeds available capacity.	Install/adjust valve on discharge to reduce output
Pump runs hot/won't shut off. Cannot build pressure due to lack of water at source.	Install low pressure cut-off switch to shut down pump prior to critical failure.
Changes in requirement not being met by current system (added bathroom, irrigations, etc.)	Increase pressure cut-off switch to offset peak period demand from insufficient source.

RECOMMENDED MAXIMUM FLOW RATES

Pipe Diameter	Gallons Per Hour (gph)	Gallons Per Minute (gpm)
3/4"	750	12.5
1"	1000	17
1-1/4"	2100	35
1-1/2"	3000	50
2"	4800	80
3"	9000	150
4"	16000	267

TROUBLESHOOTING GUIDE

PRE-CHARGED PRESSURE TANKS

Can I install my Red Lion diaphragm pressure tank on its side?
Side installations are acceptable up to the RL44 size. We do not recommend horizontal installations for any tanks larger than the RL44.

What is the warranty on Red Lion tanks?
All Red Lion tanks carry a 5 year limited warranty from the date of manufacture on the original tank.

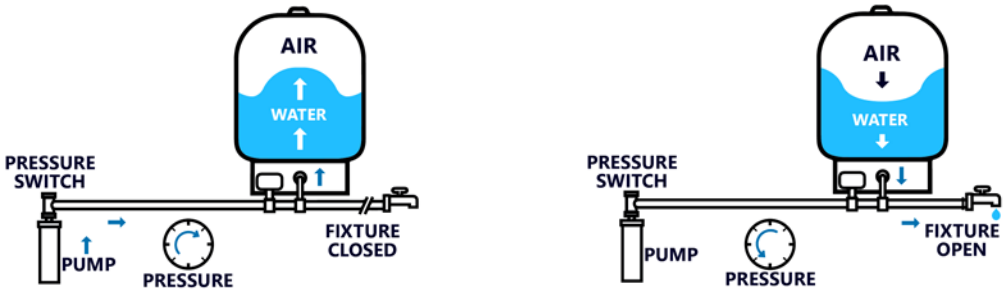
My tank was just installed and the water has a funny taste – what should I do?
Flush the new tank by allowing water to flow through three or four pump cycles. If the taste continues, you should probably have the source water tested.

Can I use chlorinated water with my Red Lion tank?
Of course. Red Lion tanks are designed with the knowledge that chlorine is often used to periodically treat a well.

What is drawdown?
Drawdown refers to the amount of water that evacuates the tank before the pressure switch will activate the pump. Drawdown is affected by the pump, the size of the tank, and the pressure settings that govern your water system.

Tank System Operation

1. Pump comes on and begins to fill tank.
2. Pump continues to run, compressing air charge in tank.
3. Pump shuts off. Drawdown water is available on demand.



What is pre-charge pressure?
Pre-charge pressure refers to the amount of air in psi that is pumped into a tank prior to installation (usually at the factory). Most tanks are provided with a 28 psi pre-charge (38 psi in the RL81 size). The pre-charge is the "spring" that helps to create water pressure. As the diaphragm fills with water, it compresses the pre-charge. In a 30/50 system, the pump will continue to propel water into the tank until the pressure in the tank reaches 50 psi.

How much pressure (pre-charge) should be in my tank?
Your tanks should be pressurized to 2 psi less than the cut-in pressure setting. For example, if your pressure settings are 30/50, then your cut-in pressure setting is 30 psi and your tank should have a 28 psi pre-charge.

How do I check or change my pre-charge?
You must completely drain the tank to check its pre-charge. To do this, shut the power off to the pump and open (turn on) a faucet in the house. This will drain the tank and not allow it to refill. On the top of the tank you will find an air valve (similar to the air valve on your tires)—use a tire pressure gauge to check the air pressure.

TROUBLESHOOTING GUIDE

4" SUBMERSIBLE WELL PUMPS

Trouble	Possible Cause	Corrective Action
Motor will not start but does not blow fuses. **WARNING!** Hazardous voltage. Can shock, burn or cause death. Qualified electricians should work on electrical service.	No voltage to motor.	With a voltmeter check: 1) fuse box to make sure full voltage is available; 2) pressure switch terminals to make sure pressure switch is passing voltage correctly; and 3) terminal strips in pump control box or disconnect switch box to make sure voltage is available there. On 1-1/2 through 3 hp: push red overload reset button(s) on the bottom of the control center.
	Cable splices or motor windings may be grounded, shorted or open-circuited.	Consult certified electrician or service technician. Do not attempt to disassemble pump or motor.
	Faulty pressure switch.	Check pressure switch; replace if necessary.
	3-wire only; open circuit in pump control box; faulty connections; faulty wires.	Examine all connections and wires; examine terminal strips in the control center (3-wire only); repair if necessary.
	3-wire only; cable leads improperly connected in the control center.	Check wiring diagram on control center panel and color coding of drop cable.
Pressure switch fails to shut off pump.	Voltage is too low; motor will run slowly, causing low discharge pressure (head) and high operating current draw.	Have a certified electrician verify voltage at the electrical disconnect box (2-wire) or control center (3-wire) while the pump is operating. If the voltage is low, the power company may need to raise it or installation may require larger wire. Discuss this with the power company or a certified electrician. Check voltage with a recording meter if trouble reoccurs.
	Faulty pressure switch.	Replace switch.
	Drop pipe is leaking.	Raise one length at a time until the leak is found. When water stands in the pipe, there is no leak below this point.
	Water level in the well may become too low when pump is running.	Lower the pump further into the well, but make sure it is at least five feet from the bottom of the well. Install a control valve in the discharge pipe between the pump and pressure tank. Use the control valve to restrict the flow until the discharge rate does not exceed well recovery rate. **WARNING!** To prevent the possibility of dangerously high pressure, install a relief valve in the discharge pipe between the pump and flow restriction valve. The relief valve must be capable of passing full pump flow at 75 psi.
Fuses blow or overload protector trips when motor is running.	Low or high voltage.	While the motor is running, voltage should not exceed plus 5% or minus 5% of rated voltage shown on motor nameplate. Plus 3% or minus 3% in Canada. Call your power company to adjust line voltage if it is not within these limits.
	Wire size is too small. Improperly connected in the pump control box.	See cable selection guide in the technical data section and make sure the wire sizes match specifications in table.
	Cable splices or motor windings may be grounded, shorted or open-circuited.	Consult certified electrician or a service technician to determine if this is the cause of the problem or not. Do not attempt to disassemble the pump or motor.
	3-wire only; high ambient (atmospheric) temperature.	Make sure the pump control box is installed out of direct sunlight.
	3-wire only; pump control box wrong horsepower or voltage for installation.	Compare horsepower and voltage rating of motor (from motor nameplate) with those of the pump control box (from pump control box nameplate). These numbers must match.
Air or milky water discharges from your faucets.	Well water may be gaseous.	If your well is naturally gaseous and your system has a standard tank, remove the bleeder orifices and plug the tees. If the condition is serious, check with a certified well professional.

TROUBLESHOOTING GUIDE

4" SUBMERSIBLE WELL PUMPS

Trouble	Possible Cause	Corrective Action
Your pump delivers little or no water.	Water level in a low-producing well drops too low while pump is operating, causing it to air lock (resulting in loss of prime and possibly serious damage to the pump).	Lower the pump further into the well, but make sure it is at least five feet from the bottom of the well. Install a control valve in the discharge pipe between the pump and pressure tank. Use the control valve to restrict the flow until the discharge rate does not exceed well recovery rate. **WARNING!** To prevent the possibility of dangerously high pressure, install a relief valve in the discharge pipe between the pump and flow restriction valve. Relief valve must be capable of passing full pump flow at 75 psi.
	Intake screen is partially plugged.	Lime or other matter in the water may build up on screen. Pull pump and clean screen.
	Check valve(s) may be stuck.	Make sure that the built-in check valve in the pump and any check valves in the discharge line are free to open properly.
	Voltage is too low; the motor runs slowly, causing low discharge pressure (head) and high operating current draw.	Have a certified electrician verify voltage at the electrical disconnect box (2-wire) or control center (3-wire) while the pump is operating. If the voltage is low, the power company may need to raise it or installation may require larger wire. Discuss this with the power company or a certified electrician. Check voltage with a recording meter if trouble reoccurs.
	Filtration cartridge (if used) needs changing or is not installed properly.	Change filtration cartridge or ensure plastic wrapping is removed.
Pump starts too frequently.	Leak in the pressure tank or plumbing.	Check all connections with soap suds for air leaks. Fix any leaks you find. Check the plumbing for water leaks. Fix any leaks you find.
	Pressure switch is defective or out of adjustment.	If necessary, replace switch.
	Check valve is leaking.	Inspect valves and replace if necessary.
	Tank is waterlogged.	Captive air tanks: Check the tank for leaks; correct if possible. Pre-charge tanks to 18 psi with a 20-40 psi switch, 28 psi for a 30-50 switch, 38 psi for a 40-60 psi switch, etc. Standard tanks: Check the tank for leaks; correct if possible. Check bleeder orifices and clean bleeders; replace if necessary.
	Drop pipe leaking.	Raise one length of pipe at a time until the leak is found. When water stands in the pipe there is no leak below this point.
	Pressure switch is too far from the tank.	Move the pressure switch to within one foot of the tank.
Fuses blow or overload protector trips when motor starts.	Low or high voltage.	While the motor is running, voltage should not exceed plus 5% or minus 5% of rated voltage shown on motor nameplate. Plus 3% or minus 3% in Canada. Call your power company to adjust line voltage if it is not within these limits.
	Wire size is too small. Improperly connected in the pump control box.	See cable selection guide in the technical data section and make sure the wire sizes match specifications in table.
	Cable splices or motor windings may be grounded, shorted or open-circuited.	Consult certified electrician or a service technician to determine if this is the cause of the problem or not. Do not attempt to disassemble the pump or motor.
	3-wire only; cable leads may be improperly connected in pump control box, pressure switch or fused disconnect switch.	Check wiring diagram on pump control box and color coding of drop cable.
	3-wire only; there may be a broken wire in the pump control box.	Employ a certified electrician to examine all connections and wiring in control panel. If necessary, repair them.
	3-wire only; starting or running capacitor in control box may be defective or vented (blown out).	Inspect capacitors. Employ a certified electrician to check capacitors and replace them if necessary. **WARNING!** Hazardous voltage; can shock, burn or cause death. Capacitors may still carry voltage charges even after being disconnected from wiring. Have them checked by a certified electrician.

TROUBLESHOOTING GUIDE

SUBMERSIBLE UTILITY & SUMP PUMPS

Trouble	Possible Cause	Corrective Action
Motor does not run.	Blown fuse.	Replace fuse.
	Tripped circuit.	Reset.
	Disconnected plug.	Reinstall pump.
	Corroded plug.	Clean prongs.
	Tripped overload.	Allow pump to cool, investigate cause (i.e. jammed impeller).
	Defective switch.	Replace switch.
	Defective motor.	Replace pump.
	Float obstructed.	Check for freedom of movement. Ensure switch isn't touching wall of basin or pit.
Motor hums but flow reduced or none at all.	Impeller jammed.	Remove bottom plate and clean.
	Plugged check valve.	Remove valve, clean or replace.
	Partially blocked inlet.	Clean inlet.
	Line leak.	Repair line.
	Worn impeller.	Replace pump/repair.
	Defective motor.	Replace pump.
Pump runs continuously.	Plugged inlet.	Clean inlet.
	Defective switch.	Replace switch.
	Float obstruction.	Adjust position of pump.
	Plugged check valve.	Remove valve, clean or replace.

CAUTION

A plugged pump inlet can be mistaken for a faulty switch. If the pump runs continuously or for extended periods of time between turning off, first check for a partially plugged inlet.

RL-S CAST IRON SURFACE EFFLUENT PUMP

1. Pump fails to prime or primes slowly:
   - Leaks in suction line.
   - Loose gasket connection due to shrinkage of the gasket.
   - Collapsed or clogged suction line.
   - Not enough water in the casing for priming.
   - Suction lift is too great.

2. Reduced pressure or capacity:
   - Partially collapsed or clogged suction line.
   - Clogged impeller.
   - Leaks in the suction line.
   - Strainer or end suction hose is not properly submerged.
   - Suction line is improperly installed, resulting in air pockets in the suction line.
   - Suction lift is too great (the greater the suction lift, the lower the capacity and pressure).
   - Worn parts, such as the impeller or the pump casing.

TROUBLESHOOTING GUIDE

RJSE SPRINKLER UTILITY PUMPS

1. Motor will not start:
   - No power to pressure switch due to blown fuses, open switches or loose connections.
   - Pump pressure switch not closed.
2. Pump fails to deliver water:
   - Pump not completely primed.
   - Suction lift is too great.
   - Foot valve is either not submerged, buried in mud or plugged.
   - Convertible jet only; restrictor valve is fully closed.
3. Pump loses prime:
   - Air leaks in suction line.
   - Well drawn down too far.
   - Faulty foot valve.
4. Pump delivers water but not at rated capacity:
   - Leaks in suction or discharge line.
   - Foot valve, suction line, impeller or nozzle are partially plugged.
   - Suction lift is greater than recommended.
   - Improper impeller rotation or low speed.
   - Venturi or diffuser is plugged.
   - Motor is wired for improper voltage.
   - Motor does not come off starting windings (improper motor switch adjustment).

RL-SPRK/RLSP/RLHE SPRINKLER PUMPS

Trouble	Possible Cause	Corrective Action
Failure to pump.	Pump not properly primed.	Make sure pump casing and suction line are full of water. See priming instructions.
	Speed too low.	Employ a certified electrician to check voltage at motor terminals and at meter when pump is operating. If low, refer to wiring instructions or check with your power company. Check loose connections. **WARNING!** All wiring, electrical connections, and system grounding must comply with the National Electrical Code (NEC) and with any local codes and ordinances.
	Total head is greater than what pump can handle.	Reduce total head or use a higher head pump.
	Suction lift is too great.	Locate pump closer to source of water. Make sure suction piping is large enough.
Capacity and/or head is reduced.	Air pockets or leaks in suction line.	Check suction piping.
	Clogged impeller.	Remove impeller and clean.
	Strainer is too small or clogged.	Use larger strainer or clean.
	Insufficient submergence of suction line.	Add lengths of suction pipe to keep submerged end well below the water surface, or move the pump closer to source of liquid.
	Excessive suction lift.	If caused by suction pipe friction, enlarge piping. Otherwise, move pump closer to water level.
	Total head is greater than what pump can handle.	Reduce total head or use a higher head pump.
	Excessively worn impeller.	Replace impeller.
Pump loses prime.	Air leaks in suction line.	Check suction piping.
	Excessive lift and operating too near shut-off point.	Move pump nearer water level.
	Water level drops while pumping, uncovering suction piping.	Check water supply. Add length of pipe to suction to keep submerged end under water, or move the pump closer to source of liquid.
Mechanical troubles and noise.	Bent shaft and/or damaged bearings.	Take motor to authorized motor repair shop.
	Suction and/or discharge piping not properly supported and anchored.	See that all piping is supported to relieve strain on pump assembly.

TROUBLESHOOTING GUIDE

ENGINE DRIVE TRANSFER PUMPS

Trouble	Possible Cause	Corrective Action
Pump will not pump.	Air leak in suction line.	Make sure suction hose is double clamped at joints, clamps are tight, fittings have thread compound and are tight, with no nicks or cuts in hose.
	The suction and/or discharge line(s) may be blocked, or the valve(s) are closed, faulty and/or blocked.	Check to see that the lines and valves are in good working order.
	The end of the suction line is not submerged.	Increase its length, or move pump closer to source of liquid.
	Total head is greater than what pump can handle.	Reduce total head or use a higher head pump.
Pump will not prime.	Excessive suction lift (*1)	Move the pump closer to liquid source.
Priming takes a long time.	Suction line is quite long.	See priming instructions in owner's manual.
	Air pockets or leaks in the suction line.	Check the line for loose connections.
Pump does not perform as well as it should.	Flow is restricted due to: a. Debris build-up. b. Faulty or semi-open valve(s). c. Pipe or hose used is smaller than the thread sizes on the pump.	a. Clean the lines and fittings. b. Check to see that the valves are in good working order. c. Increase the size of hose or pipe to reduce friction losses.
	Insufficient submergence of the end of the suction line.	Add lengths of suction pipe to keep submerged end well below the water surface, or move the pump closer to source of liquid.
	Excessively worn impeller (*2).	Replace impeller.
	Seal is damaged (*3). Liquid will be leaking through the middle of the adapter.	Replace the seal.
	Air pockets or leaks in the suction line.	Check the line for loose connections.
	Clogged impeller.	Remove casing to clean out.
	Engine throttle is in SLOW position.	Move throttle to FAST position.
Pump loses prime.	Water level drops while pumping, uncovering suction piping.	Check water supply. Add length of pipe to suction to keep submerged end under water, or move the pump closer to source of liquid.
Pump will not start.	No fuel.	Allow engine to cool for 2 minutes, then fill fuel tank.
	Faulty spark plug.	Replace spark plug.
	Fuel valve lever is in the OFF position.	Turn the fuel valve lever to the ON position.
	Ignition switch is in the OFF position.	Turn the ignition switch to the ON position.
	Choke is in the wrong position.	Slide choke lever to the RUN position.
Pump starts, but runs roughly.	Choke is in the wrong position.	Slide choke lever to the RUN position.
	Spark plug wire is loose.	Attach wire to spark plug secure.
	Faulty spark plug.	Replace spark plug.
	Fuel is contaminated (water, debris, etc.).	Allow engine to cool for 2 minutes, then drain fuel tank and carburetor. Fill tank with fresh fuel.
Pump shuts down during operation.	No fuel.	Allow engine to cool for 2 minutes, then fill fuel tank.

1. Pump fails to prime or primes slowly:
   - Size and length of pipe.
   - Pipe fitting.
   - Elevation above sea level.

Including all of the above, we recommend that the total suction head not exceed 25′.

2. An excessively worn impeller is mainly caused by a number of situations, such as:
   - Restricted suction.
   - Excessive suction lift.

3. The seal may be damaged due to:
   - Normal wear.
   - Overheating.
   - Pumping chemicals that this seal is not designed for.

Contact an authorized service depot for further assistance.

GLOSSARY OF TERMS

Air volume control
Designed to maintain the air charge in a standard water storage tank. Pre-charged tanks do not require an air volume control.

Atmospheric pressure
A force exerted upon the earth's surface by the weight of air extending to a height of 25 miles above the earth; 14.7 pounds per square inch at sea level.

Barb fitting
A part of a fitting that a hose slides over which contains ridges, which help lock the hose to the fitting. The hose is then secured with a clamp.

Basin
A container connected to a sink, toilet, washer, or dishwasher that is used to collect refuse that comes from these appliances. Once collected, the waste is pumped from the basin to a septic tank, holding tank, leaching field, or septic field. See Minimum Basin Diameter for additional information.

Black water
Also known as sewage or wastewater. Water containing semi-solids up to 2 inches in diameter.

Centrifugal force
The force created by a spinning or rotating impeller resulting in the movement of water outward from the center point. A pump uses an impeller to create centrifugal force.

Check valve
Allows water to move in only one direction which prevents water from returning to its source.

Control box
Installs above ground. Contains electrical starting components for 3-wire submersible deep well pumps. 2-wire submersible deep well pumps do not use a control box.

Convertible jet pump
For both deep wells (where pumping water levels are as far as 90′ below the pump) and shallow wells (where pumping water levels are no more than 25′ below the pump). Pump/tank packages are also available.

Cut-in pressure setting
The point at which the pressure switch turns the pump on.

Deep well
Well with a depth to water greater than 25′.

Deep well pump (submersible)
For use on wells where pump water levels are up to 400′ below point of use. Pump is submerged underwater in the well.

Depth to water
The vertical measurement from pump level down to water level of water source. Pump height above water.

Discharge
The opening by which water is removed by the pump.

Discharge pressure
The amount of force or pressure of the water being discharged from the pump.

Dual voltage motor
Pump motor can then be operated on 115V or 230V.

Effluent
Water containing semi-solids up to 1/2" diameter generated from activities such as dishwashing, bathing, laundry, etc., also known as gray water.

FNPT
Female National Pipe Thread: a U.S. standard for tapered threads used on threaded pipes and fittings (female end is larger than male end).

Foot valve
Installs on the end of the suction pipe to prevent water from draining back to source. Includes strainer to minimize suction of debris into the pump.

GLOSSARY OF TERMS

Friction loss
A loss in pressure caused by friction when liquid moves through a pipe.

GHT
Garden Hose Thread (3/4").

GPH
Gallons per hour.

GPM
Gallons per minute.

Gray water
Also known as effluent. Water containing semi-solids up to 1/2" in diameter generated from activities such as dishwashing, bathing, laundry, etc.

Head
The vertical distance from the top of the well to the pressure tank, the top of the well to the static water level, the drawdown (static water level to the pumping water level), or the vertical distance from the well to the house

HP
Horsepower (power of motor)

Intake
The opening by which water is sucked into the pump.

Jet pump
A centrifugal pump that requires a jet to help build additional water pressure.

Minimum basin diameter
Minimum basin diameter refers to the inside diameter of the opening at the top of a basin not including the lip. It is a guideline based on average basin sizes in the industry. Minimum clearance dimensions are not provided because most basins are tapered at the bottom and it can be difficult to measure this accurately. Place the pump so the switch can move freely without touching the basin (the pump edge should be up against the side of the basin). Always test the pump to make sure the switch clears the side wall of the basin. If you have a narrow pit or basin less than 18" in diameter, a pump with a vertical or snap-action float switch is recommended.

MNPT
Male National Pipe Thread: a U.S. standard for tapered threads used on threaded pipes and fittings (male end is smaller than female end).

Multi-stage jet pump
For use on deep wells only with pumping water levels as far as 210' below the pump.

NPT
National Pipe Thread: a U.S. standard for tapered threads used on threaded pipes and fittings.

PSI
Pounds per square inch. A volumetric pressure measurement.

Pre-charged tank
A water storage tank pre-charged with air at the factory featuring a vinyl bag to separate water from the air which prevents waterlogging. This tank design provides greater drawdown than standard tanks. Pre-charged tanks do not require an air volume control.

Pressure
A force usually expressed in pounds per square inch.

Pressure switch
The switch that automatically turns the pump on and off at specified pressures of 30/50 psi and 40/60 psi.
IMPORTANT: Always replace an old switch with a new switch with the same pressure settings.

Pressure operation - 30/50
Pressure switch turns pump on at 30 psi and off at 50 psi.

GLOSSARY OF TERMS

Pressure operation - 40/60
Pressure switch turns pump on at 40 psi and off at 60 psi.

Priming the pump
The initial filling of a jet or centrifugal pump with water so that air can be removed.

Pump capacity
The amount of water a pump is capable of moving at a given pressure.

Pumping water level
The distance below ground where the water is found when the well is being pumped at its rated capacity.
Static Water Level + Drawdown = Pumping Water Level.

Safety relief valve
Required for all submersible pump and pressure boosting installations to prevent over-pressurization of water storage tank and system piping that could develop from pressure switch malfunction.

Sewage
Water containing semi-solids up to 2" in diameter. Also known as black water.

Shallow well
Well with a depth of water of 25' or less.

Shallow well pump
For use in wells where pump water levels are no more than 25' below the pump. Features a built-in jet.

Sizing
Properly matching product to application for best performance.

Standard tank
A pressurized water storage tank where air comes in contact with water. Requires air volume control for proper operation.

Static water level
The distance below ground where water is found when no pumping occurs.

Submersible deep well pump
For use on wells where pump water levels are up to 400' below point of use. Pump is submerged underwater in the well.

Suction lift
The vertical height from the pumping water level to the suction part of the pump.

Tank
Stores air and water under pressure to provide for automatic pump operation and a source of water when pump is not running.

TEFC design
Totally enclosed, fan cooled design.

Waterlogging
The absorption of air into water stored in a water storage tank, greatly reducing the amount of usable water drawdown available from the tank.

Water storage tank
Stores air and water under pressure to provide for automatic pump operation and a source of water when pump is not running.

Well capacity
Also known as the well's replenishment rate or well recovery rate. It is the rate at which the well refills with water, measured in gpm.
This information is found on the Well Driller's Report.

Well recovery rate or well replenishment rate
Also known as the well's replenishment rate or well capacity. It is the rate at which the well refills with water, measured in gpm.
This information is found on the Well Driller's Report.

TECHNICAL DATA

FRICTION LOSS CHART

Nom. Pipe Size	3/4"			1"			1-1/4"			1-1/2"			2"		
Material	Steel	Copper	Plastic	Steel	Copper	Plastic	Steel	Copper	Plastic	Steel	Copper	Plastic	Steel	Copper	Plastic
I.D./US GPM	0.824	0.822	0.824	1.049	1.062	1.049	1.38	1.368	1.38	1.61	1.6	1.61	2.067	2.062	2.067
1															
2	1.93	1.21	1.04	0.6	0.35	0.32									
2.5	2.91	1.82	1.57	0.92	0.55	0.48									
3	4.08	2.56	2.21	1.26	0.73	0.68									
3.5	5.42	3.4	2.93	1.7	1	0.9									
4	6.94	4.36	3.74	2.14	1.24	1.15	0.56	0.36	0.3	0.27	0.17	0.14			
4.5	8.63	5.4	4.66	2.68	1.58	1.45	0.69	0.42	0.39	0.34	0.21	0.18			
5	10.5	6.57	5.66	3.42	1.88	1.75	0.85	0.55	0.46	0.41	0.25	0.22			
5.5	12.4	7.79	6.75	3.9	2.3	2.1	1	0.62	0.53	0.49	0.3	0.26			
6	14.7	9.22	7.95	4.54	2.63	2.45	1.2	0.77	0.65	0.57	0.36	0.31			
6.5	17	10.7	9.25	5.3	3.12	2.84	1.38	0.88	0.72	0.66	0.42	0.36			
7	19.6	12.2	10.6	6.08	3.58	3.25	1.59	1.02	0.86	0.76	0.48	0.41			
7.5	22.3	13.9	12	6.92	4.03	3.68	1.82	1.16	0.98	0.86	0.54	0.46			
8	25	15.7	13.5	7.73	4.5	4.16	2.04	1.31	1.1	0.96	0.61	0.52			
8.5	27.9	17.6	15.1	8.76	5.08	4.62	2.3	1.47	1.21	1.07	0.68	0.58			
9	31.1	19.5	16.8	9.72	5.6	5.17	2.55	1.62	1.35	1.19	0.75	0.65			
9.5	34.5	21.6	18.6	10.7	6.18	5.72	2.82	1.79	1.5	1.32	0.83	0.72			
10	37.8	23.7	20.4	11.7	6.77	6.31	3.08	1.98	1.67	1.45	0.92	0.79	0.43	0.27	0.23
11	45.1	28.2	24.4	14.1	8.08	7.58	3.7	2.32	1.98	1.74	1.1	0.95	0.51	0.32	0.27
12	53	33.2	28.6	16.4	9.47	8.85	4.31	2.75	2.33	2.04	1.29	1.1	0.6	0.37	0.32
13	61.5	38.5	33.2	18.9	11	10.3	5.01	3.18	2.71	2.37	1.49	1.28	0.7	0.43	0.37
14	70.5	44.2	38	21.8	12.6	11.8	5.73	3.64	3.1	2.71	1.71	1.46	0.8	0.49	0.43
16	90.2	56.6	48.6	27.9	16.2	15.1	7.34	4.68	3.96	3.47	2.2	1.87	1.03	0.63	0.55
18	112	70.4	60.5	34.7	20.1	18.7	9.13	5.81	4.93	4.31	2.75	2.33	1.28	0.78	0.69
20	136	83.5	73.5	42.1	24.4	22.8	11.1	7.1	6	5.24	3.31	2.83	1.55	0.96	0.84
25				63.9	36.9	34.6	16.8	10.7	9.06	7.9	5	4.26	2.35	1.45	1.27
30				89.2	51.6	48.1	23.5	15	12.7	11.1	7	6	3.29	2.03	1.78
35				119	68.7	64.3	31.2	20	16.9	14.7	9.35	7.94	4.37	2.71	2.36
40				152	88	82	40	25.6	21.6	18.9	12	10.2	5.6	3.47	3.03
45				189	109	102	49.4	31.9	27	23.4	14.9	12.6	6.96	4.31	3.76
50							60.4	38.7	32.6	28.5	18.1	15.4	8.46	5.24	4.57
55							71.9	46.5	39.1	34	21.5	18.4	10.1	6.22	5.46
60							84.7	54.1	45.6	40	25.3	21.6	11.9	7.34	6.44
65							99.1	63	53.4	46.4	29	25.1	13.8	8.5	7.42
70							114	72.2	61.5	53.2	33.8	28.7	15.8	9.78	8.53
75							129	82.1	69.4	60.4	38	32.6	17.9	11.1	9.68
80							144	92.4	77.9	68.1	43.1	36.8	20.2	12.5	10.9
85							161	104	87	76.2	47.6	41.2	22.5	14	12.2
90							179	115	96.6	84.7	53.6	45.7	25.1	15.6	13.6
95										93.6	58.8	50.5	27.8	17.2	15

NOTE: Loss of head in feet due to friction per 100 feet of pipe (based on C = 100 for steel, C = 130 for copper, and C = 140 for plastic)

CABLE SELECTION FOR DEEP WELL SUBMERSIBLES

Canadian

Cable selection based on a 3% voltage drop, two- or three-wire cable, 60 Hz.

Motor		(AWG) Copper Wire Size		
HP	Volts	14	12	10
1/2	115	60	95	150
	230	240	390	610
3/4	230	180	285	455
1	230	150	240	375
1-1/2	230	115	185	285

U.S.A.

Cable selection based on a 5% voltage drop, two- or three-wire cable, 60 Hz.

Motor		(AWG) Copper Wire Size		
HP	Volts	14	12	10
1/2	115	100	160	250
	230	400	650	1020
3/4	230	300	480	760
1	230	250	400	630
1-1/2	230	190	310	480

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Item No.	Model	Description	Page No.
14941004	MPFVRIK	2 Gaskets, 2 Impellers for pumps 14942015, 14942004, 14942005, 14942008	54
14942014	RLMPFV12	12V DC, 300 gph utility transfer pump	43
14942016	RLMPTC	1600 gph multi-purpose transfer pump	44
14942013	RLMPDP	Drill powered transfer pump	45
14942022	RLMPDP-KIT	Drill powered transfer pump kit	46
14942025	RLMPFVK115	115V, 350 gph multi-purpose transfer pump	43
14942027	-	Multi-Purpose Transfer Pump Repair Kit: 2 Gaskets, 2 Impellers, 4 brushes for pump 14942025	54
14942028	-	Multi-Purpose Transfer Pump Accessory Kit: 1 strainer, 1 - 6' hose, 1 puddle sucker	54
14942029	-	Multi-Purpose Transfer Pump Repair Kit: 2 Gaskets, 2 Impellers for pump 14942014	54
14942052	RLSP33PED	1/3 hp, 3300 gph polypropylene pedestal sump pump	29
14942373	RS5G05-3W2V	1/2 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
14942374	RS5G07-3W2V	3/4 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
14942377	RS12G05-3W2V	1/2 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
14942378	RS12G07-3W2V	3/4 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
14942379	RS12G10-3W2V	1 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
14942380	RS12G15-3W2V	1-1/2 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
14942381	RS22G07-3W2V	3/4 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
14942382	RS22G10-3W2V	1 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
14942383	RS22G15-3W2V	1-1/2 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
14942401	RL12G05-2W1V	1/2 hp, 12 gpm, 2-wire, 115V, 4" deep well submersible pump	12 & 13
14942402	RL12G05-2W2V	1/2 hp, 12 gpm, 2-wire 230V, 4" deep well submersible pump	12 & 13
14942403	RL12G07-2W2V	3/4 hp, 12 gpm, 2-wire, 230V, 4" deep well submersible pump	12 & 13
14942404	RL12G10-2W2V	1 hp, 12 gpm, 2-wire, 230V, 4" deep well submersible pump	12 & 13
14942405	RL12G05-3W2V	1/2 hp, 12 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
14942406	RL12G07-3W2V	3/4 hp, 12 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
14942407	RL12G10-3W2V	1 hp, 12 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
14942408	RL12G15-3W2V	1.5 hp, 12 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
14942409	RL22G10-3W2V	1.0 hp, 22 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
14942652	RL-33SC	1/3 hp, 3200 gph snap-action cast iron sump/effluent pump	27 & 33
14942653	RL-50SC	1/2 hp, 4000 gph snap-action cast iron sump/effluent pump	27 & 33
14942663	RL50WA	1/2 hp, 7200 gph cast iron sewage pump w/tethered float switch	36
14942664	RL75WA	3/4 hp, 8400 gph cast iron sewage pump w/tethered float switch	36
14942725	PW-SP25T	1/4 hp, thermoplastic sump pumps	23
14942726	PW-SP33T	1/3 hp, thermoplastic sump pumps	23
14942727	PW-SP50T	1/2 hp, thermoplastic sump pumps	23
14942730	RL-25U	1/4 hp, 1500 gph aluminum utility pump	41
14942731	RL-MP16	1/6 hp, 1300 gph thermoplastic utility pump	40
14942732	RL-MP25	1/4 hp, 2200 gph thermoplastic utility pump	40
14942735	RL-MP25A	1/4 hp, 2200 gph automatic utility pump	42
14942736	RL-SPS33	1/3 hp, 3200 gph under-sink sump package w/6 gal. basin	30
14942739	RL-SP25T	1/4 hp, 2900 gph Aluminum/Thermoplastic sump pump w/tethered float switch	22
14942740	RL-SP33T	1/3 hp, 3200 gph Aluminum/Thermoplastic sump pump w/tethered float switch	22
14942741	RL-SP33V	1/3 hp, 3200 gph Aluminum/Thermoplastic sump pump w/vertical float switch	22
14942742	RL-SP50T	1/2 hp, 3600 gph Aluminum/Thermoplastic sump pump w/tethered float switch	22
14942743	RL-SP50V	1/2 hp, 3600 gph Aluminum/Thermoplastic sump pump w/vertical float switch	22
14942744	RL-SC33T	1/3 hp, 3350 gph cast iron sump pump w/tethered float switch - 1/2" semi-solids	25
14942745	RL-SC33V	1/3 hp, 3350 gph cast iron sump pump w/vertical float switch - 1/2" semi-solids	25
14942746	RL-SC50T	1/2 hp, 4300 gph cast iron sump pump w/tethered float switch - 1/2" semi-solids	25
14942747	RL-SC50V	1/2 hp, 4300 gph cast iron sump pump w/vertical float switch - 1/2" semi-solids	25
14942748	RL-WC50TA	1/2 hp, 5600 gph cast iron sewage pump w/tethered float switch	37
14942749	RL-WCS50TA	1/2 hp, 5600 gph cast iron sewage pump w/tethered switch, plastic check valve, includes basin	39
14942756	RL-WCS50TA-24	1/2 hp, 5600 gph cast iron sewage pump w/tethered switch, PVC check valve, includes basin	38
14942757	RL-SP-RVS	8' Piggyback replacement switch for RL-SP Series pumps	54
14942758	RL-SC-RVS	10' Piggyback replacement switch for RL-SC Series pumps	54

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14942773	RL-GTC24	24" X 24" Sewage Basin Lid (Lid Only)	38
14942771	RL-SC33DUP	1/3 hp dual cast iron sump pump system	26
14942780	RL-SS50V	1/2 hp, 3450 gph, premium stainless steel sump pump w/vertical float switch	28
14942781	RL-SS50T	1/2 hp, 3450 gph, premium stainless steel sump/effluent pump w/tethered float switch	28 & 34
14942782	RL-SS100T	1 hp, 5300 gph, premium stainless steel sump/effluent pump w/tethered float switch	28 & 34
14942792	RL-SPBS	Battery backup sump system	31
14942793	RL33CSS	1/3 hp, 3500 gph stainless steel sump pump w/snap-action float switch	24
14942794	RL50CSS	1/2 hp, 3900 gph stainless steel sump pump w/snap-action float switch	24
14942795	RL75CSS	3/4 hp, 4500 gph stainless steel sump pump w/snap-action float switch	24
14942904	SVRS	10' Universal Piggyback switch mounts to discharge pipe	54
599304	RL-SPDK	For use with sump pumps which have a 1-1/4" or 1-1/2" discharge. 24' x 1-1/4" flexible drain hose, 1-1/4" and 1-1/2" high impact NPT barbedadapters, steel hose clamp. Temperature range -40 °F to 110 °F	54
602038	RJC-100	1 hp high performance cast iron convertible jet pump	7
602099	RJS-50/RL6H	1/2 hp, 5.3 gal. shallow well jet pump & tank system	10
602102	RJC-50/RL6H	1/2 hp, 5.3 gal. convertible jet pump & tank system	10
602136	RJC-50-PREM	1/2 hp premium cast iron convertible jet pump	6
602137	RJC-75-PREM	3/4 hp premium cast iron convertible jet pump	6
602206	RJS-50-PREM	1/2 hp premium shallow well jet pump	2
602207	RJS-75-PREM	3/4 hp premium shallow well jet pump	2
602208	RJS-100-PREM	1 hp premium shallow well jet pump	2
602240	RJS-75SS/RL15HS	3/4 hp, 15 gal Stainless Shallow Well Jet Pump & Tank System	11
604641	RL81A	81 gal vertical	11
604629	RL6AH	6 gal horizontal	11
604652	RL2A	2 gal inline	11
604653	RL4A	4.5 gal inline	11
604682	RL20A	20 gal vertical	11
604683	RL34A	34 gal vertical	11
604684	RL44A	44 gal vertical	11
604687	RL14A	14 gal vertical	11
604693	RL14AH	14 gal horizontal	11
614432	RJSE-75SS	3/4 hp, 115V stainless steel sprinkler utility pump	19
614481	RLHE-300	3 hp cast iron industrial sprinkler pump	21
617031	2RLAG-1L	79cc OHV engine drive, 1.5" aluminum water transfer pump	47
617032	5RLGF-8KRF	196cc OHV engine drive, 2" cast iron transfer pump	49
617034	6RLAG-2LST	208cc OHV engine drive, aluminum semi-trash pump, 2" MNPT	51
617038	6RLAG-3LTT	208cc OHV engine drive, aluminum trash pump, 3" NPT	52
617044	6RLAG-2LKIT	208cc OHV engine drive, 2" aluminum water transfer pump kit	50
617070	6RLPG-2U	212cc OHV engine drive, thermoplastic ag chemical & transfer pump, 2" x 2" FNPT	52
617201	3HKM	20' PVC suction hose, 50' lay flat discharge hose w/attached quick couplings, 3" x 3" adapters, stainless steel strainer, spanner wrench, temperature range 15 °F to 150 °F	53
617212	2HKP	12' reinforced suction hose, 50' lay flat discharge hose w/attached quick couplings, 2" x 2" adapters, stainless steel strainer, temperature range 15 °F to 150 °F	53
620040	RL31EA	1/3 hp, 6300 gph heavy-duty cast iron effluent pump	35
621810	RL-S50	1/2 hp, 2700 gph cast iron surface effluent pump	32
640108	-	Pressure Switch 30/50 1/4" NPTF	53
640109	-	Pressure Gauge, 0-100 PSI	53
640134	-	Pressure Switch 30/50 1/4" NPTF M4	53
640171	-	10' Piggyback Float Switch	54
640172	-	20' Piggyback Float Switch	54
640176	-	20' "Pump Up" Reverse Action, Piggyback Float Switch	54
640188	RLCB05-115	Control box, 1/2 hp, 115V	13
640189	RLCB05-230	Control box, 1/2 hp, 230V	13 & 14
640190	RLCB07-230	Control box, 3/4 hp, 230V	13 & 14
640191	RLCB10-230	Control box, 1 hp, 230V	13 & 14

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97080501	PWJET50	1/2 hp shallow well jet pump	4
97080502	RL-SWJ50	1/2 hp cast iron shallow well jet pump	3
97080503	RL-SWJ50/RL6H	1/2 hp, 5.8 gal. shallow well jet pump & tank system	10
97080701	RL-SWJ75	3/4 hp cast iron shallow well jet pump	3
97080702	RJS-75SS	3/4 hp stainless steel shallow well jet pump	5
97081001	RL-SWJ100	1 hp cast iron shallow well jet pump	3
97080708	RBSS-75FC	3/4 hp pressure boosting system	18
97090501	PW-CJ50	1/2 hp shallow well jet pump	8
97080701	PW-CJ75	3/4 hp convertible jet pump	8
97101001	RL-SPRK100	1 hp sprinkler pump	20
97101501	RL-SPRK150	1.5 hp sprinkler pump	20
97102001	RL-SPRK200	2 hp sprinkler pump	20
97101502	RL-SPRK150-BR	1.5 hp sprinkler pump, brass impeller	20
97102002	RL-SPRK200-BR	2 hp centrifugal sprinkler pump, brass impeller	20

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617212	2HKP	12' reinforced suction hose, 50' lay flat discharge hose w/attached quick couplings, 2" x 2" adapters, stainless steel strainer, temperature range 15 °F to 150 °F	53
6RLAG-2LKIT	617044	208cc OHV engine drive, 2" aluminum water transfer pump kit	48
5RLGF-8KRF	617032	196cc OHV engine drive, 2" cast iron transfer pump	49
6RLAG-2LST	617034	208cc OHV engine drive, aluminum semi-trash pump, 2" MNPT	51
6RLAG-3LTT	617038	208cc OHV engine drive, aluminum trash pump, 3" NPT	52
6RLPG-2U	617070	212cc OHV engine drive, thermoplastic ag chemical & transfer pump, 2" x 2" FNPT	50
PWJET50	97080501	1/2 hp shallow well jet pump	4
PW-CJ50	97090501	1/2 hp shallow well jet pump	8
PW-CJ75	97080701	3/4 hp convertible jet pump	8
PW-SP25T	14942725	1/4 hp Thermoplastic Sump Pump w/tethered Float Switch	23
PW-SP33T	14942726	1/3 hp Thermoplastic Sump Pump w/Tethered Float Switch	23
PW-SP50T	14942727	1/2 hp Thermoplastic Sump Pump w/Tethered Float Switch	23
RBSS-75FC	97080708	3/4 hp pressure boosting system	18
RJC-100	602038	1 hp high performance cast iron convertible jet pump	7
RJC-50/RL6H	602102	1/2 hp, 5.3 gal. convertible jet pump & tank system	10
RJC-50-PREM	602136	1/2 hp premium cast iron convertible jet pump	6
RJC-75-PREM	602137	3/4 hp premium cast iron convertible jet pump	6
RJS-100-PREM	602208	1 hp premium shallow well jet pump	2
RJS-50-PREM	602206	1/2 hp premium shallow well jet pump	2
RJS-50/RL6H	602099	1/2 hp, 5.3 gal. shallow well jet pump & tank system	10
RJS-75-PREM	602207	3/4 hp premium shallow well jet pump	2
RJS-75SS	97080702	3/4 hp stainless steel shallow well pump	5
RJS-75SS/RL15HS	602240	3/4 hp, 15 gal Stainless Shallow Well Jet Pump & Tank System	11
RJSE-75SS	614432	3/4 hp, 115V stainless steel sprinkler utility pump	19
RMPFVK115	14942025	115V, 350 gph multi-purpose transfer pump	43
RLMPFV12	14942014	12V DC, 300 gph utility transfer pump	43
RLMPTC	14942016	1600 gph multi-purpose transfer pump	44
RL-33SC	14942652	1/3 hp, 3200 gph snap-action cast iron sump/effluent pump	27 & 33
RL-50SC	14942653	1/2 hp, 4000 gph snap-action cast iron sump/effluent pump	27 & 33
RL-GTB24	14942772	24" X 24" Sewage Basin (Basin Only - without Lid)	38
RL-GTC24	14942773	24" X 24" Sewage Basin Lid (Lid Only)	38
RL-MP16	14942731	1/6 hp, 1300 gph thermoplastic utility pump	40
RL-MP25	14942732	1/4 hp, 2200 gph thermoplastic utility pump	40
RL-MP25A	14942735	1/4 hp, 2200 gph automatic utility pump	42
RL-S50	621810	1/2 hp, 2700 gph cast Iron surface effluent pump	32
RL-SC33DUP	14942771	1/3 hp, dual cast iron sump pump system	26
RL-SC33T	14942744	1/3 hp, 3350 gph cast iron sump pump w/tethered float switch - 1/2" semi-solids	25
RL-SC33V	14942745	1/3 hp, 3350 gph cast iron sump pump w/vertical float switch - 1/2" semi-solids	25
RL-SC50T	14942746	1/2 hp, 4300 gph cast iron sump pump w/tethered float switch - 1/2" semi-solids	25
RL-SC50V	14942747	1/2 hp, 4300 gph cast iron sump pump w/vertical float switch - 1/2" semi-solids	25
RL-SP25T	14942739	1/4 hp, 2900 gph Aluminum/Thermoplastic sump pump w/tethered float switch	22
RL-SP33T	14942740	1/3 hp, 3200 gph Aluminum/Thermoplastic sump pump w/tethered float switch	22
RL-SP33V	14942741	1/3 hp, 3200 gph Aluminum/Thermoplastic sump pump w/vertical float switch	22
RL-SP50T	14942742	1/2 hp, 3600 gph Aluminum/Thermoplastic sump pump w/tethered float switch	22
RL-SP50V	14942743	1/2 hp, 3600 gph Aluminum/Thermoplastic sump pump w/vertical float switch	22
RL-SPBS	14942792	Battery backup sump system	31
RL-SPS33	14942736	1/3 hp, 3200 gph under-sink sump package w/6 gal. basin	30
RL-SP-RVS	14942757	8' Piggyback replacement switch for RL-SP Series pumps	54
RL-SC-RVS	14942758	10' Piggyback replacement switch for RL-SC Series pumps	54

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RL-SS-RVS	14942759	10' Piggyback replacement switch for RL-SS Series pumps	54
RL-SPDK	599304	For use with sump pumps which have a 1-1/4" or 1-1/2" discharge. 24' x 1-1/4" flexible drain hose, 1-1/4" and 1-1/2" high impact NPT barbedadapters, steel hose clamp. Temperature range -40 °F to 110 °F	54
RL-SS100T	14942782	1 hp, 5300 gph, premium stainless steel sump/effluent pump w/tethered float switch	28 & 34
RL-SS50T	14942781	1/2 hp, 3450 gph, premium stainless steel sump/effluent pump w/tethered float switch	28 & 34
RL-SS50V	14942780	1/2 hp, 3450 gph, premium stainless steel sump pump w/vertical float switch	28
MPFVRIK	14941004	Repair kit for MPFVIRK includes 2 gaskets, 2 impellers	54
RL-SWJ100	97081001	1 hp shallow well jet pump	3
RL-SWJ50	97080502	1/2 hp cast iron shallow well jet pump	3
RL-SWJ50/RL6H	97080503	1/2 hp, 5.8 gal. shallow well jet pump & tank system	10
RL-SWJ75	97080701	3/4 hp cast iron shallow well jet pump	3
RL-WC50TA	14942748	1/2 hp, 5600 gph cast iron sewage pump w/tethered float switch	37
RL-WCS50TA	14942749	1/2 hp, 5600 gph cast iron sewage pump w/tethered switch, plastic check valve, includes basin	39
RL-WCS50TA-24	14942756	1/2 hp, 5600 gph cast iron sewage pump w/tethered switch, PVC check valve, includes basin	38
RL12G05-2W1V	14942401	1/2 hp, 12 gpm, 2-wire, 115V, 4" deep well submersible pump	12 & 13
RL12G05-2W2V	14942402	1/2 hp, 12 gpm, 2-wire 230V, 4" deep well submersible pump	12 & 13
RL12G05-3W2V	14942405	1/2 hp, 12 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
RL12G07-2W2V	14942403	3/4 hp, 12 gpm, 2-wire, 230V, 4" deep well submersible pump	12 & 13
RL12G07-3W2V	14942406	3/4 hp, 12 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
RL12G10-2W2V	14942404	1 hp, 12 gpm, 2-wire, 230V, 4" deep well submersible pump	12 & 13
RL12G10-3W2V	14942407	1 hp, 12 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
RL12G15-3W2V	14942408	1.5 hp, 12 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
RL2A	604652	2 gal inline	11
RL4A	604653	4.5 gal inline	11
RL6AH	604629	6 gal horizontal	11
RL14A	604687	14 gal vertical	11
RL14AH	604693	14 gal horizontal	11
RL20A	604682	20 gal vertical	11
RL22G10-3W2V	14942409	1.0 hp, 22 gpm, 3-wire, 230V, 4" deep well submersible pump	12 & 13
RL-25U	14942730	1/4 hp, 1500 gph aluminum utility pump	41
RL31EA	620040	1/3 hp, 6300 gph heavy-duty cast iron effluent pump	36
RL33CSS	14942793	1/3 hp, 3500 gph stainless steel sump pump w/snap-action float switch	24
RL34A	604683	34 gal vertical	11
RL44A	604684	44 gal vertical	11
RL50CSS	14942794	1/2 hp, 3900 gph stainless steel sump pump w/snap-action float switch	24
RL75CSS	14942795	3/4 hp, 4500 gph stainless steel sump pump w/snap-action float switch	24
RL50WA	14942663	1/2 hp, 7200 gph cast iron sewage pump w/tethered float switch	35
RL75WA	14942664	3/4 hp, 8400 gph cast iron sewage pump w/tethered float switch	35
RL81A	604641	81 gal vertical	11
RLCB05-115	640188	Control box, 1/2 hp, 115V	13
RLCB05-230	640189	Control box, 1/2 hp, 230V	13 & 14
RLCB07-230	640190	Control box, 3/4 hp, 230V	13 & 14
RLCB10-230	640191	Control box, 1 hp, 230V	13 & 14
RLCB15-230	640222	Control box, 1.5 hp, 230V	13 & 14
RLHE-300	614481	3 hp cast iron industrial sprinkler pump	21
RLMPDP-KIT	14942022	Drill powered transfer pump kit	47
RLMPDP	14942013	Drill powered transfer pump	46
RL-SPRK100	97101001	1 hp sprinkler pump	20
RL-SPRK150	97101501	1.5 hp sprinkler pump	20
RL-SPRK150-BR	97101502	1.5 hp sprinkler pump, brass impeller	20
RL-SPRK200	97102001	2 hp sprinkler pump	20
RL-SPRK200-BR	97102002	2 hp sprinkler pump, brass impeller	20
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RS5G07-3W2V	14942374	3/4 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
RS12G05-3W2V	14942377	1/2 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
RS12G07-3W2V	14942378	3/4 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
RS12G10-3W2V	14942379	1 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
RS12G15-3W2V	14942380	1-1/2 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
RS22G07-3W2V	14942381	3/4 hp, 3-wire, 230V, 4" deep well submersible pump	14 & 15
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NOTES



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