

CAST IRON/THERMOPLASTIC

Pre-Assembled Primary and Backup Sump Pump Kit

1/3
HORSEPOWER

MOTOR

12
VOLT

PRIMARY PUMP FEATURES

- Energy efficient 1/3 HP split capacitor motor. Lower amp draw, runs cooler, lasts longer
- Solid cast iron pump base & housing. No plastic parts to crack or break
- Corrosion resistant, powder coated epoxy finish
- Hermetically sealed, oil cooled motor for long pump life
- Non-clogging stainless steel impeller for ultimate durability & corrosion resistance
- Handles up to 3/8" solids
- Float switch features a piggyback plug which allows for manual or automatic operation
- Motor is thermally protected with automatic reset thermal protector
- Stainless steel motor shaft
- Carbon/ceramic/stainless steel mechanical shaft seal
- Upper and lower permanently lubricated ball bearings
- Stainless steel fasteners
- Every unit is 100% pressure tested

BACKUP PUMP FEATURES

- Efficient 12 Volt DC motor
- Vertical float switch
- Reinforced thermoplastic pump base and housing for durability
- Hermetically sealed, motor
- Stainless steel motor shaft
- Non-clogging reinforced thermoplastic impeller
- Handles up to 1/8" solids
- Carbon/ceramic/stainless steel mechanical shaft seal

KIT FEATURES

- Pre-assembled kit for easy installation
- Thermoplastic battery box
- 2 amp battery charger with overcharge protection
- 87 decibel alarm with mute feature
- Includes full flow check valve & mounting hardware
- Battery sold separately

5 YEAR
LIMITED WARRANTY

ENERGY EFFICIENT
SPLIT CAPACITOR MOTOR



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MLP72941

Application

Pre-assembled primary & backup sump pump for typical residential and commercial applications. Emergency backup usage during power outage, primary pump overloading or malfunction.

Motor Specifications	MLP72341 - Primary Pump	MLP72910 - Backup Pump
Horsepower	1/3 HP	n/a
Voltage	120 Volt AC	12 Volt DC
Amps	4.1	12
Hertz	60 Hz	n/a
Phase	Single	n/a
RPM	3450 RPM	n/a
Motor Type	Permanent Split Capacitor	12 volt brush type
Insulation	Class A	n/a
Circuit Requirements	15 amp (minimum)	n/a
Duty Rating	Continuous*	Intermittent
Shaft Seal	Carbon/ceramic/stainless steel	Carbon/ceramic/stainless steel
Motor Shaft	Stainless Steel	Stainless Steel
Upper Motor Bearing	Ball Bearing	Ball Bearing
Lower Motor Bearing	Ball Bearing	Ball Bearing
Cooling	Oil cooled	Air cooled
Motor Protection	Auto reset thermal protector	n/a

Pump Specifications

Discharge Size	1-1/2" NPT	1-1/4" & 1-1/2" NPT
Cord Length	10'	10'
Cord Type	SJTW, UL listed, 3-wire, 18 gauge	SJTW, UL listed, 2-wire, 18 gauge
Pump Housing	Cast iron	Reinforced Thermoplastic
Pump Base	Cast iron	Reinforced Thermoplastic
Impeller Material	Stainless steel	Reinforced Thermoplastic
Impeller Type	Non-clogging	Non-clogging
Gasket	Buna-N	Buna-N
Solids Handling	3/8" spherical	1/8" spherical
Liquid Temp. Range	32°- 120° F	32°- 120° F
Operation	Automatic or non-automatic	Automatic
Fasteners	Stainless steel	Stainless steel
Max Flow Rate	46 Gallons per minute	23 Gallons per minute
Maximum Head	25 feet	20 Feet
Max Pressure	10.8 psi	8.6 Psi
Weight	17.0 lbs	6.7 lbs
Assembled Weight	26 lbs	

Automatic Switch Specifications

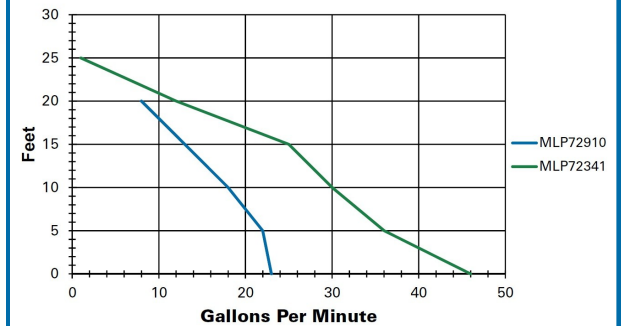
Type	SJE Rhombus Vertical Master II	SJE Rhombus Vertical Master II
Mounting Bracket	Powder coated steel	Stainless steel
Switch on point	6"	10.5"
Switch off point	2"	8"
Material	High impact PVC	High impact PVC
Cord Length	10'	10'
Cord Type	SJOW, UL listed, 2-wire, 18 gauge	SJOW, UL listed, 2-wire, 18 gauge

Other Specifications

Alarm Rating	87 decibels
Charging System	2 amp charger with overcharge protection
Battery Requirement*	12 volt, deep cycle. Minimum 70 Ah recommend.
Battery Size*	Battery box will accommodate size 24 & 27 batteries
Check Valve	Full flow design

*Battery sold separately

Performances



Discharge Height	0'	5'	10'	15'	20'	25'
MLP72341- GPM	23	22	18	13	8	-
MLP72910 - GPM	46	36	30	25	12	1

Dimensions

