

MQ MULTIQUIP **Electric Submersible Pumps**



Versatile pumps with a wide variety of applications

www.multiquip.com



Electric Submersible Pumps

Bolt-on discharge port allows easy replacement

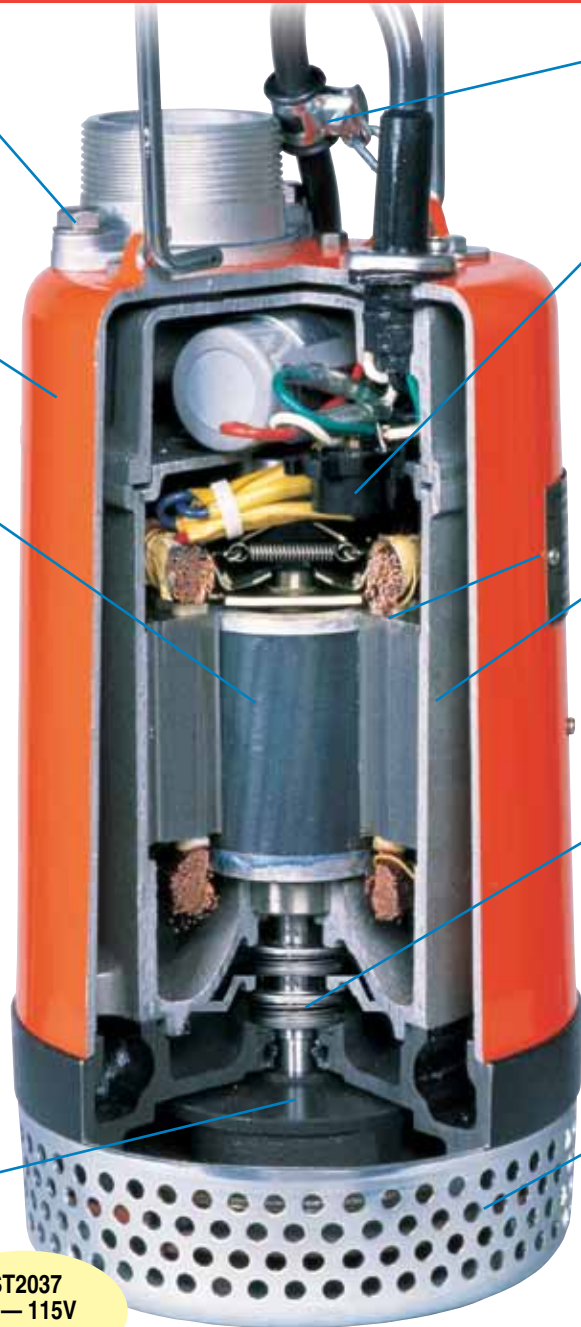
Cast aluminum housing for light weight

Electric motor — water is discharged around the casing for cool operation

Safety First — Selected models carry the UL/CSA listing to protect your customers and your business.

Urethane-covered cast iron volute and an all-urethane impeller withstand tough dewatering projects

ST2037
2" — 115V
73 GPM



Strain relief cord protection

Thermal overload protection prevents motor damage

Compact, streamlined design

Cast iron/steel motor casing serves as heat conductor

Oil-filled dual seal provides lubrication when running dry

Stainless steel strainer and hardware eliminates corrosion

Versatile pumps that handle a wide range of applications:

Construction

Contractors prefer the rugged design of MultiQuip pumps for removing water from well casings, construction sites, cofferdams and excavations. All pump components are designed to withstand the rigors of the job site.

Utilities

The pump of choice when dewatering manholes or transformer vaults. Service personnel value their lightweight and portability.

Municipalities

The versatility and reliability of MultiQuip pumps makes them popular with state and local governments. Street and sanitation departments depend on our pumps for the removal of unwanted water.

Homeowners

MultiQuip's lightweight, compact submersible pumps are the first choice for household dewatering applications such as basements and swimming pools.

MultiQuip Electric Submersible Pumps are ideal for removing water from confined areas. Their compact design and high performance enables them to get the job done where other pumps come up short.

Models are available in sizes ranging from 1½" to 6" and provide high capacities — up to 36,600 GPH — with heads up to 125 feet. Single and three phase motor configurations are available to meet virtually any power requirement. Single and Three phase motor models are available

Centrifugal - Single Phase

Motor Protection

All models provide built-in thermal overload protection that shuts down the pump when operating temperature becomes too high, and automatically restarts once the motor cools and a proper temperature is met.

Quality and Safety

ST Series Single Phase Pumps are in accordance with ISO9001 Quality Management System standard. Also, all Single Phase models carry the Underwriters Laboratories (UL) Listing for compliance with both U.S. or Canadian electrical safety codes.



YELLSUB 1 1/4" Discharge 33 GPM - 15' HEAD

The Yellow Submarine is MQ's most lightweight, compact submersible pump. A great choice for common household moving water applications. One piece polymer pump casing body resists corrosion and heat. Includes internal thermal overload protection, dual shaft seals, and positive direct drive thermoplastic impeller secured with stainless steel fittings.



SS233 2" Discharge 60 GPM - 20' HEAD

This lightweight, compact submersible pump is the first choice for many applications: flooded rooms, flat roofs, fill tanks, basins, fountains and waterfalls. Hardy thermoplastic pump casing body resists corrosion and heat. Further, the SS233 incorporates internal thermal overload protection, dual shaft seals, and positive direct drive thermoplastic impeller secured with stainless steel fittings.



ST2038P 2" Discharge 60 GPM - 38' HEAD

This lightweight, compact pump is ideal for moving water in multiple confined and open area applications. The unique casing design of this pump permits it to draw water to a level of 1/16" without having to place the versatile, low maintenance pump is perfect Contractors, Service Utilities, Municipalities, and Homeowners.



ST2037 2" Discharge 73 GPM - 37' HEAD

The ST2037 incorporates a rugged cast aluminum housing, internal thermal overload protection, dual shaft seals, sealed ball bearings impeller and molded 25' Power Cable with strain relief. This is a powerful, versatile, low maintenance pump that is perfect for a wide range of operations supporting Contractors Service Utilities, Municipalities, and Homeowners.



ST2047 2" Discharge 87 GPM - 47' HEAD

A compact, powerful pump that tackles tough dewatering jobs. Perfect for Contractors, Service Utilities, Municipalities, and Homeowners. The ST2047 incorporates a rugged cast aluminum housing, internal thermal overload protection, dual shaft seals, sealed ball bearings impeller and molded 50' Power Cable with strain relief.



ST3020BCUL 3" Discharge 170 GPM - 72' HEAD

This is a rugged 2HP 230V pump with a heat conducting cast iron/steel motor casing. Pumps liquid up to 120° and de-waters surfaces up to 1/2". The ST3020BCUL incorporates reliable double mechanical oil-filled seals, internal thermal overload protection, sealed ball bearings, Ductile Iron impeller, carrying handle, and molded 50' Power Cable with strain relief. The 6.7" diameter design permits the pump to fit into tight spaces & conduits.

* All Multiquip single phase submersible pumps do not require a Control Box for safe, efficient operations. However, a Control Box may be desired if operations call for a manual ON/OFF Switch option.



Trash Pumps – Single Phase

Why Choose a TRASH Pump -

When applications call for moving heavy debris laden water, the proper choice is the Multiquip Submersible Trash Pump. The pumps are equipped with a 2" discharge port, and is internally engineered to easily handle debris and solids up to one inch in diameter. All models employ a vortex action design that discharges solids away from the unique multi-vane impeller to prevent clogging.



*Easy Clean out
Base Design*

ST2040T 2" Discharge 79 GPM - 40' HEAD

This lightweight, compact submersible trash pump is ideal for moving water with debris (Maximum size - 1" solids). The Industrial grade cast iron housing and abrasion resistant Cast Iron Impeller with Neoprene Rubber overlay tackles tough dewatering applications and heavy usage operations. Further, the ST2040T is designed with a carrying handle, internal thermal overload protection, dual shaft seals, sealed ball bearings impeller, easy impeller clean-out, and molded 25' Power Cable with strain relief. Pumps fluids up to 120° F.

ST2010TCUL 2" Discharge 95 GPM - 45' HEAD

This very rugged submersible trash pump and is ideal for moving water with debris (MAX size - 1" solids). The Industrial grade cast iron housing and abrasion resistant Cast Iron Impeller tackles tough dewatering applications and heavy usage operations. Key features of the ST2010TCUL includes a carrying handle, internal thermal overload protection, dual shaft seals, sealed ball bearings impeller, easy impeller clean-out, and molded 50' Power Cable with strain relief. The pump handles fluids up to 120° F.



*Easy Clean out
Base Design*



*Easy Clean out
Base Design*

PX400 2" Discharge 72 GPM - 34' HEAD

This lightweight, compact submersible trash pump is ideal for moving water with debris (Maximum size - 1" solids). Additionally, with its abrasion resistant resin impeller, and corrosion resistant stainless steel construction, this pump tackles marine and certain chemical applications. Further, the PX400 incorporates internal thermal overload protection, dual shaft seals, sealed ball bearings impeller and molded 19' Power Cable with strain relief. Pumps fluids up to 120° F.

* All Multiquip single phase submersible pumps do not require a Control Box for safe, efficient operations. However, a Control Box may be desired if operations call for a manual ON/OFF Switch option.



Centrifugal - Three Phase

Multiquip's Powerful 3-Phase Pumps -

When three phase power is available, Multiquip provides three pump models that tackle a variety of industrial dewatering applications. These powerful submersibles are available in 3", 4" and 6" discharge sizes, and can be oriented to either 230V or 460V depending on power source.



ST3050D 3" Discharge 270 GPM - 86' HEAD

This submersible centrifugal pump is ideal for supporting tough Utility and Municipal jobs. The powerful 5HP Motor ensures optimum Flow and Head performance. The ST3050D incorporates a rugged industrial cast iron housing, dual shaft seals, sealed ball bearings impeller, carrying handle, and molded 50' Power Cable with strain relief. Also, this pump provides field changeable voltage, easy impeller clean-out, and pumps fluid up to 120° F. Maximum installation depth 82'.

A Control Box is required to provide safe operations and safety shutdowns such as thermal & voltage overload protection. Also, Control Boxes permit float switch connections (if required).



ST4125G 4" Discharge 380 GPM - 111' HEAD

This model centrifugal pump is designed for heavy-duty performance in multiple confined and open area applications. The ST4125G is a very powerful, industrial, low maintenance pump that is perfect for supporting Contractors, Service Utilities, and Municipalities. Further, the ST4125G incorporates a rugged industrial cast iron housing, dual shaft seals, sealed ball bearings impeller, and molded 50' Power Cable with strain relief. Other features include field changeable voltage, easy impeller clean-out, and reliable double mechanical oil-filled seals. MAX installation depth: 82' / MAX Liquid temperature: 104°.

This type of pump requires a Control Box to provide safe operations and safety shutdowns such as thermal & voltage overload protection.

ST6125G 6" Discharge 610 GPM - 125' HEAD

The ST6125G is a performance minded heavy-duty industrial submersible centrifugal pump. It is the ideal choice for moving water in multiple confined and open area applications. This is a powerful, versatile, low maintenance pump that delivers high flow and high head performance. Key features include: a rugged industrial cast iron housing, dual shaft seals, sealed ball bearings impeller, and molded 50' Power Cable with strain relief. MAX installation depth: 82' / MAX Liquid temperature: 104°.

This type of pump requires a Control Box to provide safe operations and safety shutdowns such as thermal & voltage overload protection. Further, the Control Box would permit float switch connections.





Control Boxes, Float Switches and Hoses

Submersible Pump Accessories -

Multiquip offers a full compliment of Electric Control Boxes, Pump Float Switches and Discharge Hoses for the Submersible Pump Line. All accessories meet the highest industry standards for quality, service, and safety.

CONTROL BOXES

CB3



A full featured Control Box designed for all 115V Single Phase Pumps. Water resistant fiberglass housing and cable connectors. Includes (2) SW1WOPA Floats (attached) and operating switch w/running light. UL/CUL Certified.

CB6



A full featured Control Box designed for all 230V Single Phase Pumps. Water resistant fiberglass housing and cable connectors. Includes relay, transformer, and overload protection. Operating switch and running light. UL/CUL Certified.

CB12 - CB14



Full Featured Control Box. For ST4125G and ST6125G. 230V 3Ø (CB12) and 460V 3Ø (CB14) operations. Magnetic starter, electronic overload, power spikes, and short circuit protection. Watertight housing and cable glands. Supports float switches. ON/OFF Switch w/running lights. UL/CUL certified.

CB200



Full Featured Controller. Specs: [230V 1Ø 10.5A], [230V 3Ø 14.2A], [460V 3Ø 7.1A], Magnetic started, electronic overload, power spikes, and short circuit protection. Watertight housing and cable glands that support float switches. ON/OFF Switch w/running lights. UL/CUL certified.

FLOAT SWITCHES

SW1A



Mechanical Single Float Switch. 115V, provides NEMA 5-15 Plug and Piggy-Back receptacle. Corrosion resistant PVC housing. UL/CUL Adjustable Range 7"-36".

SW1WOPA



Mechanical Single Float Switch. 115V/230V, provides NEMA 5-15 Plug and Piggy-Back receptacle. Corrosion resistant PVC housing. UL/CUL Adjustable Range 7"-36".

SW2A



Double Mechanical Float Switch. 115V/230, provides NEMA 5-15 Plug and Piggy-Back receptacle. Polypropylene housing. UL/CUL. For fluids up to 140° F. Adjustable Range 7"-36".

DISCHARGE HOSES

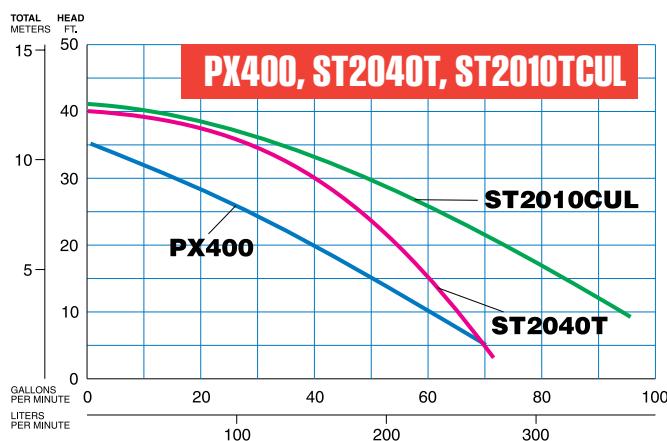
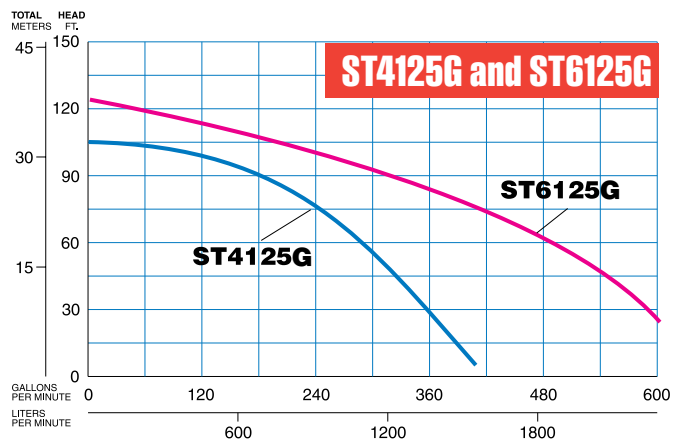
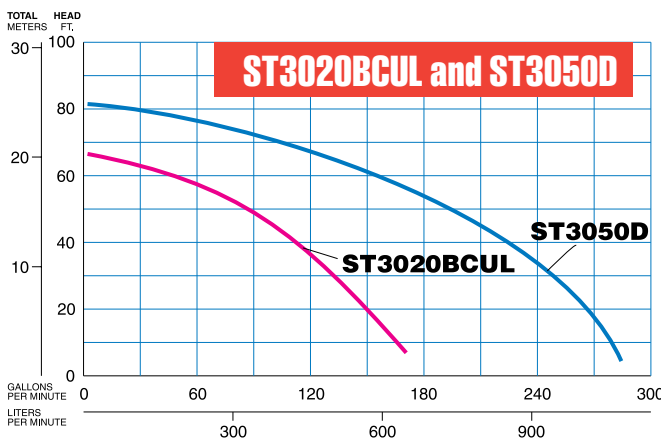
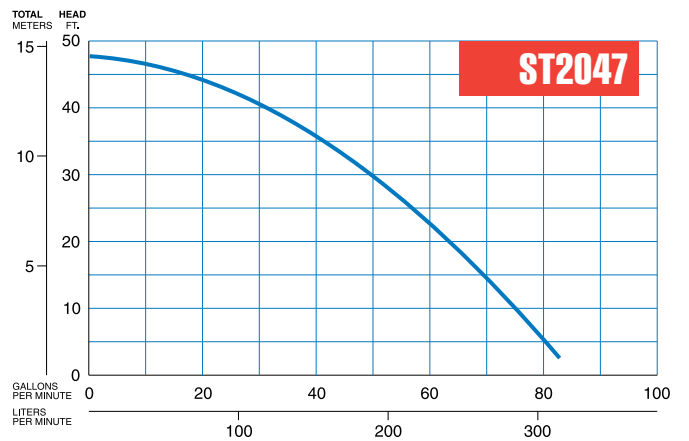
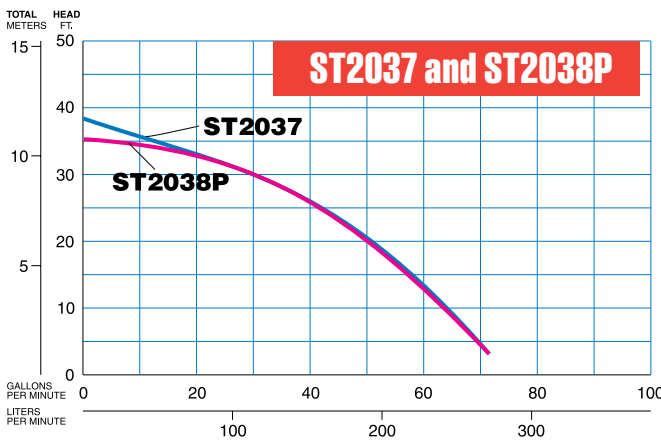
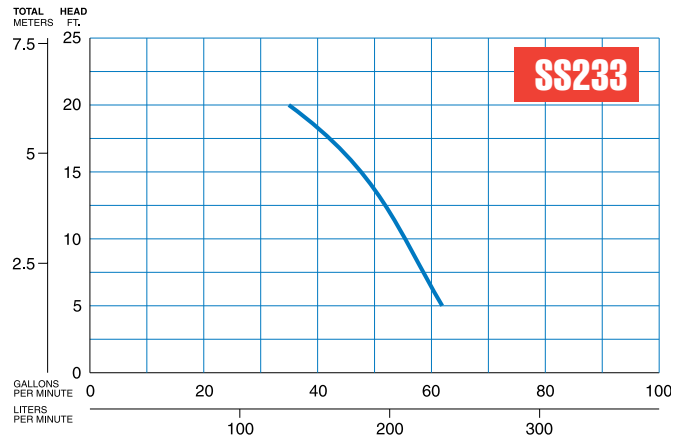
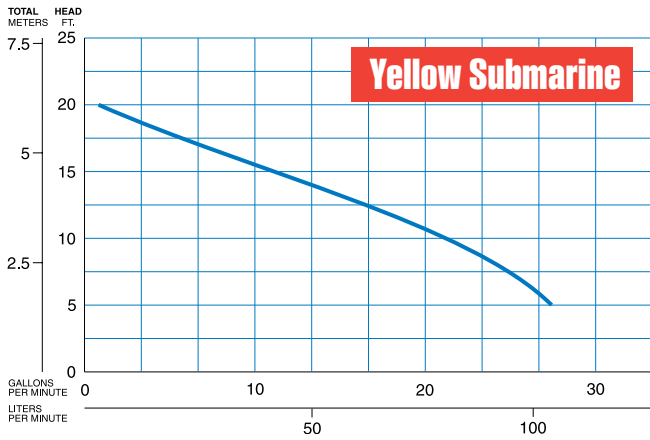


Multiquip offers high quality Lay-Flat PVC Discharge Hoses. All hoses provide synthetic fiber reinforcement and handle water temperatures -4° - 104° F. Both Standard NPT (Model HD) and Quick Disconnect Coupling (Model HDQ) fittings are available. Sizes Available: 1.5", 2", 3", 4", and 6". Hose Length: 50'.

* All Multiquip single phase submersible pumps do not require a Control Box for safe, efficient operations. However, a Control Box may be desired if operations call for a manual ON/OFF Switch option.



Pump Performance Curves



Multiquip Electric Submersible Pumps – Specifications

Model	Impeller	Disc. Size in. (mm)	Max. Solids in. (mm)	Total Head ft. (m)	Capacity GPM (lpm)	HP (kw)‡	Voltage; Phase	Starting Amp.	Running Amp.	Cable Length ft. (m)	Diameter in. (mm)	Height in. (mm)	Weight lb (kg)
CENTRIFUGAL													
YELLSUB*	Heavy Polymer	1¼ (31.7)	–	15 (4.6)	33 (125)	0.25 (.185)	115V 1Ø	11.5	2.5	9 (2.7)	6.25 (159)	9.5 (24)	6 (2.72)
SS233*	Heavy Polymer	2 (50)	–	20 (6.1)	60 (227)	0.5 (0.37)	115V 1Ø	30	6	20 (6.1)	8.1 (206)	14.5 (36.8)	15.5 (7.0)
ST2038P*	Neoprene Rubber over Cast Iron	2 (50)	–	38 (11.5)	60 (227)	1 (0.75)	115V 1Ø	56	8	25 (7.8)	7.7 (196)	15.4 (391)	31 (14)
ST2037*	Neoprene Rubber over Cast Iron	2 (50)	–	37 (11.3)	73 (276)	1 (0.75)	115V 1Ø	34.5	6.9	25 (7.8)	7.4 (188)	15.4 (391)	31 (14)
ST2047*	Neoprene Rubber over Cast Iron	2 (50)	–	47 (14.3)	87 (329)	1 (0.75)	115V 1Ø	49	9.8	50 (15.2)	7.4 (188)	15.4 (391)	33 (15)
ST3020BCUL*	Cast Ductile Iron	3 (75)	–	72 (22)	170 (644)	2 (1.5)	230V 1Ø	52	10.5	50 (15.2)	6.7 (170)	28.5 (720)	67 (30)
ST3050D	Cast Ductile Iron	3 (75)	–	86 (26)	264 (999)	5 (3.75)	230/460V 3Ø	77 (230V) 39 (460V)	14.2 (230V) 7.1 (460V)	50 (15.2)	10.2 (259)	26.8 (680)	120 (54)
ST4125G	Cast Ductile Iron	4 (100)	–	111 (33.8)	380 (1438)	10 (7.5)	230/460V 3Ø	180 (230V) 70 (460V)	24 (230V) 12 (460V)	50 (15.2)	14 (35.6)	33.5 (851)	344 (156)
ST6125G	Cast Ductile Iron	6 (150)	–	125 (38)	610 (2309)	15 (11)	230/460V 3Ø	215 (230V) 108 (460V)	29 (230V) 19.7 (460V)	50 (15.2)	14.2 (361)	38.8 (986)	390 (177)
TRASH PUMPS													
PX400*	Urethane Resin	2 (50)	1 (25)	34 (10.3)	72 (273)	0.5 (0.37)	115V 1Ø	37	6.2	19 (5.6)	10 (254)	17 (430)	25 (11)
ST2040T*	Neoprene Rubber over Cast Iron	2 (50)	1 (25)	40 (12.2)	79 (299)	1 (0.75)	115V 1Ø	34	6.8	25 (7.8)	10.3 (267)	16.8 (427)	34 (15.4)
ST2010TCUL*	Cast Ductile Iron	2 (50)	1 (25)	45 (13.7)	95 (360)	1 (0.75)	115V 1Ø	53	9.4	50 (15.2)	10.3 (267)	24.5 (622)	77 (35)

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Note: Models ST3050D, ST4125G, and ST6125G are 230V/460V pumps that come factory pre-set for 230V operations. If 460V orientation is required, the request must be made at the time of the order.

* Complies with UL and Canadian Electrical Standards.

Note: All Multiquip 3-phase submersible pumps require a control box to provide it with all of the operation safety shut-downs and to use with float switches (if required). If these pumps are ordered to replace a unit in an existing application where a control box is already installed then the existing control box may be sufficient. If the pump is part of a new application where a control box is not already present then a control box needs to be ordered with the 3-phase submersible pump. A control box is needed specifically to provide the 3-phase submersible pump with the voltage overload and thermal overload shutdowns, as well as a connection point for the use of float switches.

‡ Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. Multiquip Inc. and its subsidiary companies makes no claim, representation or warranty as to the power rating of the engine on this equipment and disclaims any responsibility or liability of any kind whatsoever with respect to the accuracy of the engine power rating. Users are advised to consult the engine manufacturer's owners manual and its website for specific information regarding the engine power rating.



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