



ST3020BCUL

MULTIQUIP® 3" Submersible Pump

GALLONS PER MINUTE

145 (549 L)

HEAD

66 ft (20.1 M)

POWER

230V, Single-Phase, 60Hz

APPLICATIONS

CONSTRUCTION

Standing Water, Well Casings, Excavation, Site Drainage, and Manholes

INDUSTRIAL

Water Supply from Lakes/Rivers, Wastewater, Quarries, Flooded Rooftops, and Irrigation

RESIDENTIAL

Flooded Basements, Swimming Pools, Decorative Waterfalls and Fountains

STANDARD FEATURES

- **Heavy-duty 2 HP motor** for maximum reliability.
- 3" (NPT) male discharge port.
- **Compact steel housing** and streamlined design allows pump to fit into 6.9" pipes.
- Pumps liquids up to 104° F.
- **49.2 ft molded power cord** with strain relief.
- **Cast Iron/Steel motor casing** serves as heat conductor.
- **Internal thermal protection** prevents motor failure due to overloading and running pump dry.
- UL/CUL listed.

WARRANTY*

ST3020BCUL: 12 months from date of purchase.

Hoses: 3 months from date of purchase.

Float Switches: 3 months from date of purchase.

CB6: 3 months from date of purchase.

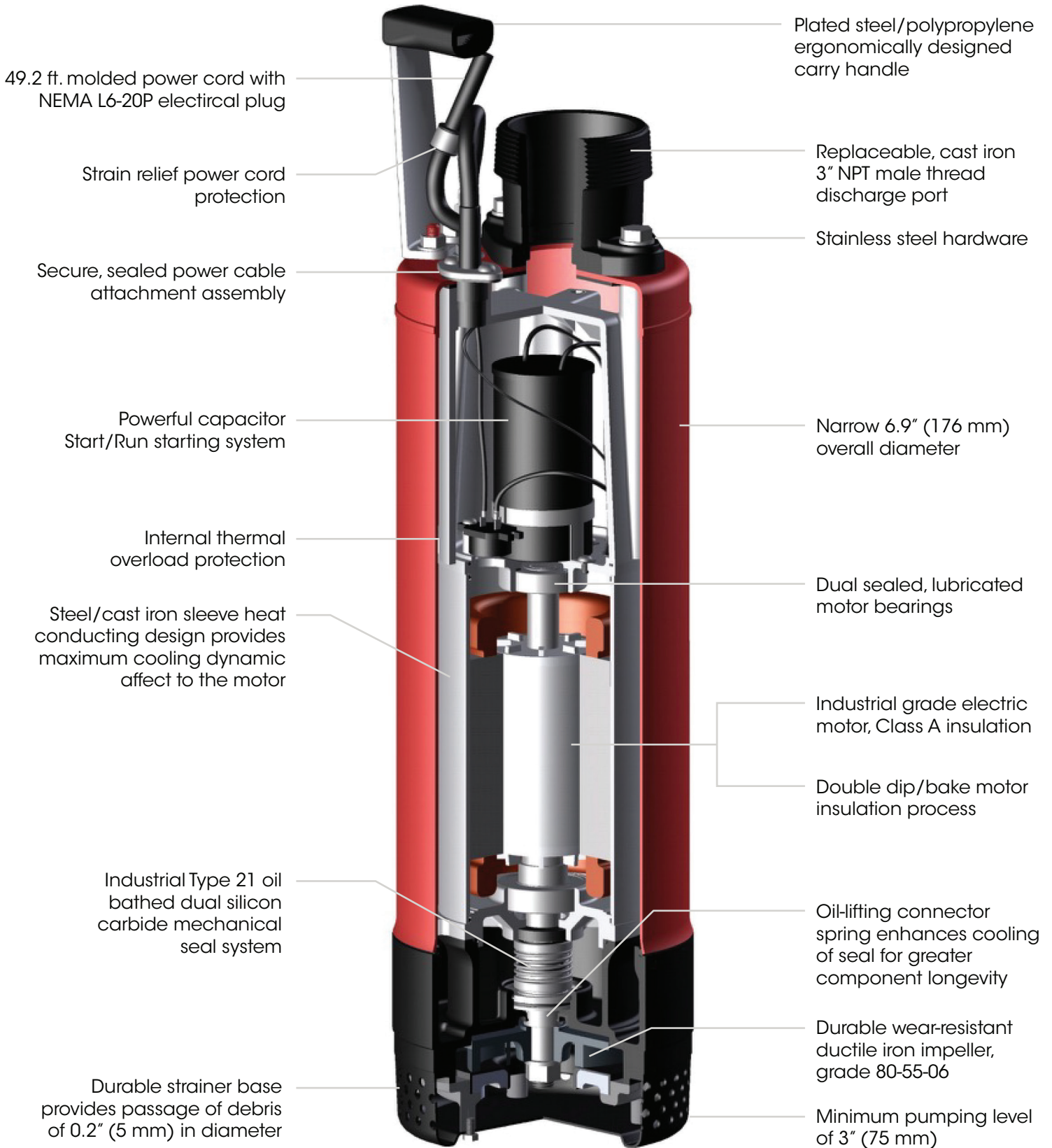
*Refer to the MULTIQUIP NEW PRODUCT LIMITED WARRANTY FOR FULL TERMS AND CONDITIONS.





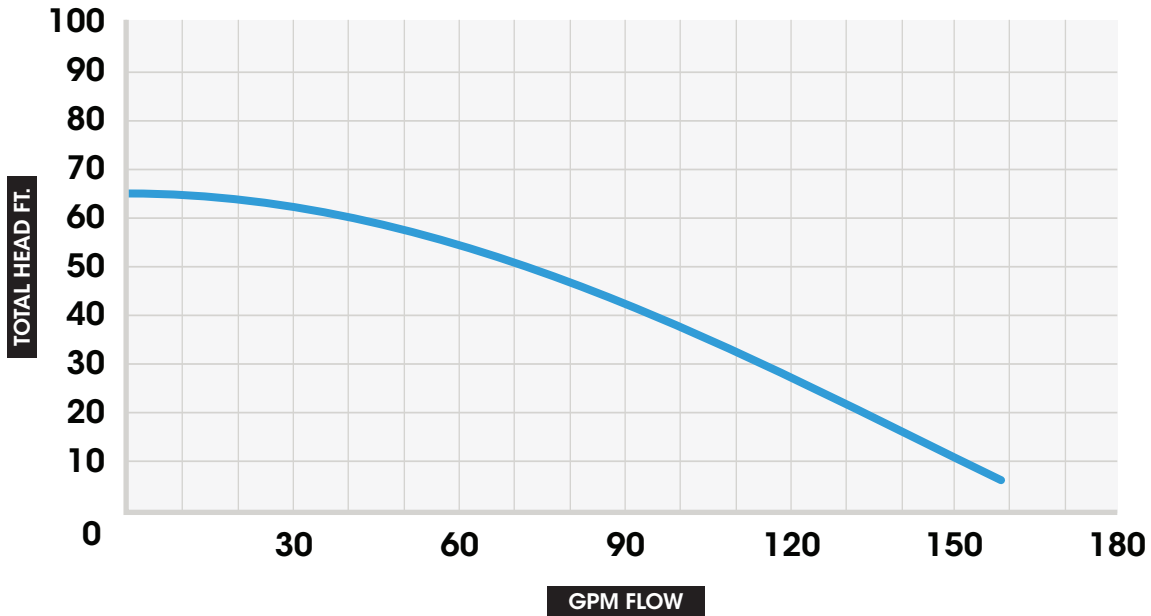
ST3020BCUL

FEATURES

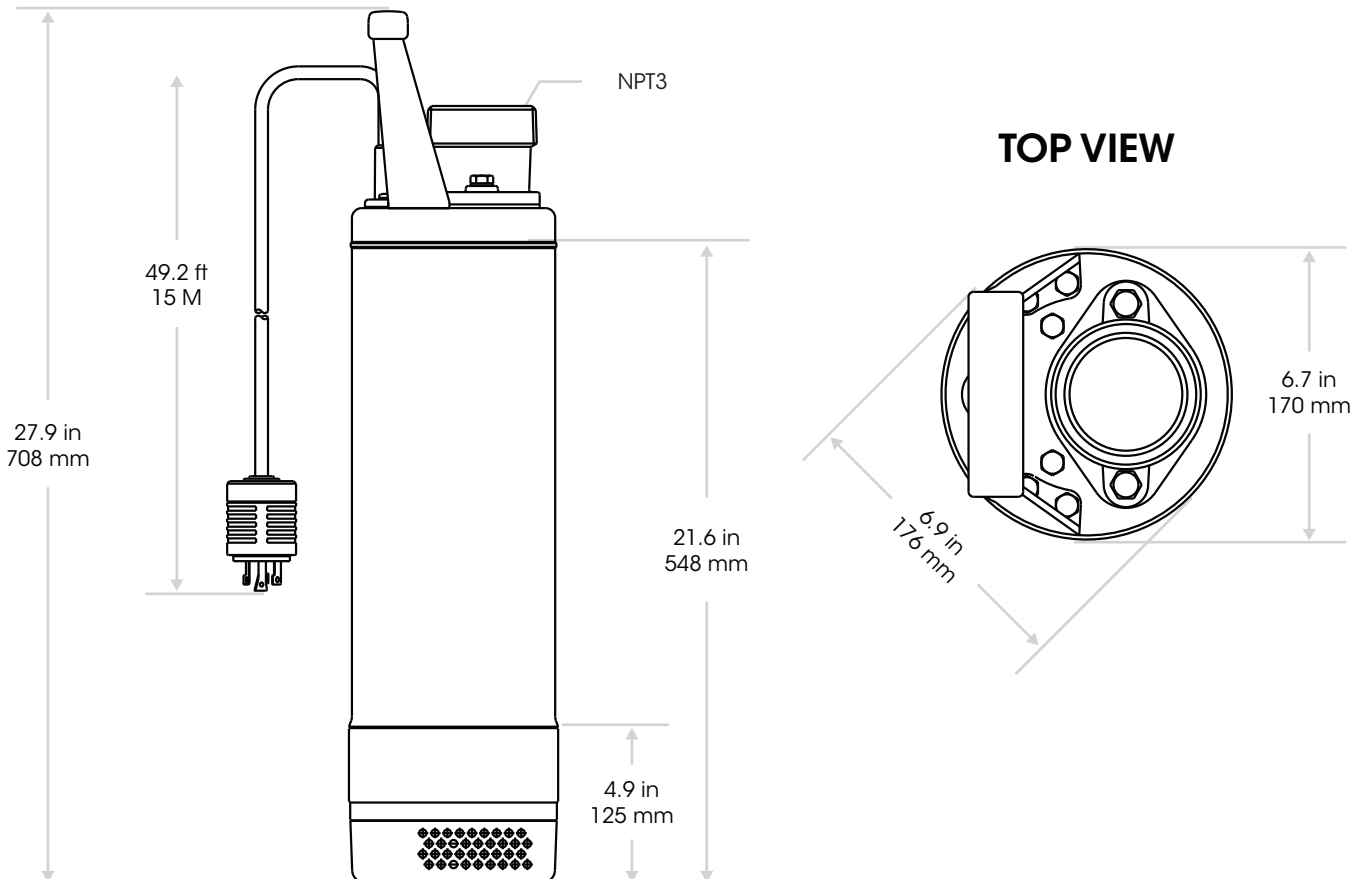


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PUMP CURVE



PUMP DIMENSIONS



SPECIFICATIONS

PUMP SPECIFICATIONS	
MODEL	ST3020BCUL
TYPE	CENTRIFUGAL SUB PUMP
IMPELLER	CAST DUCTILE IRON
SUCTION/DISCHARGE SIZE	3.00 in. (75 mm)
MAX. PUMPING CAPACITY	145 GALLONS/MIN (549 L/MIN)
MAX. HEAD	66 ft. (20.1 M)
PSI	28.6
MIN. PUMPING LEVEL	3 in. (75 mm)
MIN. SUBMERGENCE	19.0 in. (482.6 mm)
MAX. SOLID HANDLING	0.2 in. (5 mm)
HORSEPOWER	2 (1.492 kW)
VOLTAGE	230V
PHASE	1Ø
FREQUENCY	60 Hz
STARTING AMPS	52.2
RUNNING AMPS	10.5
MIN. GENERATOR KW TO START/RUN	12.1 kW/2.42 kW
INSULATION	CLASS A
MAX. FLUID TEMPERATURE	104°F (40°C)
THERMAL OVERLOAD PROTECTION	STANDARD
ROTATION	COUNTERCLOCKWISE
RPM	3,450 (±30)
MECHANICAL SEAL SYSTEM	OIL BATHED, DUAL SILICON CARBIDE, CORROSION RESISTANT
MECHANICAL SEAL OIL CAPACITY	10.1 oz (300 cc)
MECHANICAL SEAL OIL TYPE	ISO VG32 OR EQUIVALENT
MECHANICAL SHAFT	STAINLESS STEEL
O-RINGS	NITRILE RUBBER
HARDWARE	STAINLESS STEEL
SALT OR CHEMICALS	NO
POWER CABLE PLUG	NEMA L6-20P
POWER CABLE PROTECTION	STRAIN RELIEF
POWER CABLE LENGTH	49.2 ft. (15 M)
DRY WEIGHT	72.8 lb. (33 kg)

FLOAT SWITCH FEATURES	SW1A	SW1WOPA	SW2A
SINGLE MECHANICAL FLOAT	X	X	—
DOUBLE MECHANICAL FLOAT	—	—	X
120VAC	X	X	X
PIGGY-BACK PLUG (NEMA 5-15)	X	—	X
OPEN WIRE END, FOR CONTROL BOX APPLICATIONS ONLY	—	X	—
CORROSION RESISTANT PVC HOUSING	X	X	—
CORROSION RESISTANT HIGH-IMPACT HOUSING	—	—	X
HEAVY-DUTY CONTACTS	X	X	X
OPERATES IN WATER UP TO 104°F (40°C)	X	X	X
ADJUSTABLE RANGE 7" TO 36" (18 - 91 CM)	X	X	—
ADJUSTABLE RANGE 3" TO 48" (7.6 - 122 CM)	—	—	X
16 GAUGE CORD FLOAT SWITCH CORD 20' (6.1 METERS)	X	X	—
14 GAUGE CORD FLOAT SWITCH CORD 20' (6.1 METERS)	—	—	X
PRESSURE TESTED TO 60'	X	X	—
INCLUDES MOUNTING CLAMPS	X	X	X
UL LISTED	X	X	X
CSA CERTIFIED	X	X	X



OPTIONS

DISCHARGE HOSES

- **HD350C** - 3" x 50 ft., 60psi, NPS thread
- **HDQ350C** - 3" x 50 ft., 60psi NPT thread, includes one quick disconnect coupler
- **A300A** - 3" type A coupler, male quick disconnect x female NPT



CB6 CONTROL BOX

Offered for convenient MANUAL/AUTO and float switch operations. Water resistant fiberglass housing and cable connectors prevent moisture from entering into box. Features operation AUTO switch. Includes two SW1WOPA float switches.

Voltage - 230V
Phase - 1Ø
Amps (FLA) - 12A

UL Listed



Note: The ST3020BCUL is designed with internal thermal overload protection and does not require extra electrical protection.

NOTICE Features and Specifications are subject to change without notice.