



**MYERS<sup>®</sup>**  
**SX50 AND SX50H PACKAGES**  
**SIMPLEX AND DUPLEX SUBMERSIBLE**  
**SUMP PUMP AND CONTROL PANEL**

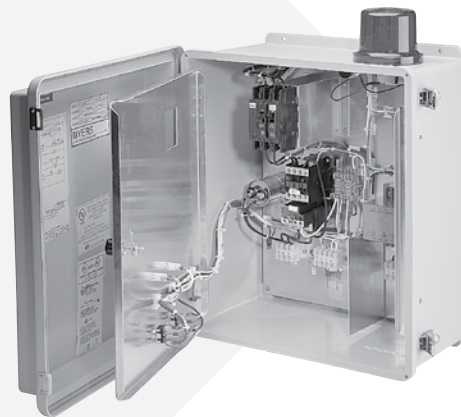


# MYERS® SX50 AND SX50H PACKAGES

## Simplex and Duplex Submersible Sump Pump and Control Panel

### Designed To Pump Contaminated Water.

Myers SX50 and SX50h are rugged ½ HP submersible sump pumps designed for many commercial, municipal, or industrial applications. The SX50 and SX50H are CSA listed. These pumps are designed to pump contaminated water with a wide range of pollutants. The pump package includes Myers intrinsically safe control panel. For additional information, please contact your local Myers representative or the Myers Ohio sales office at 419-289-1144.

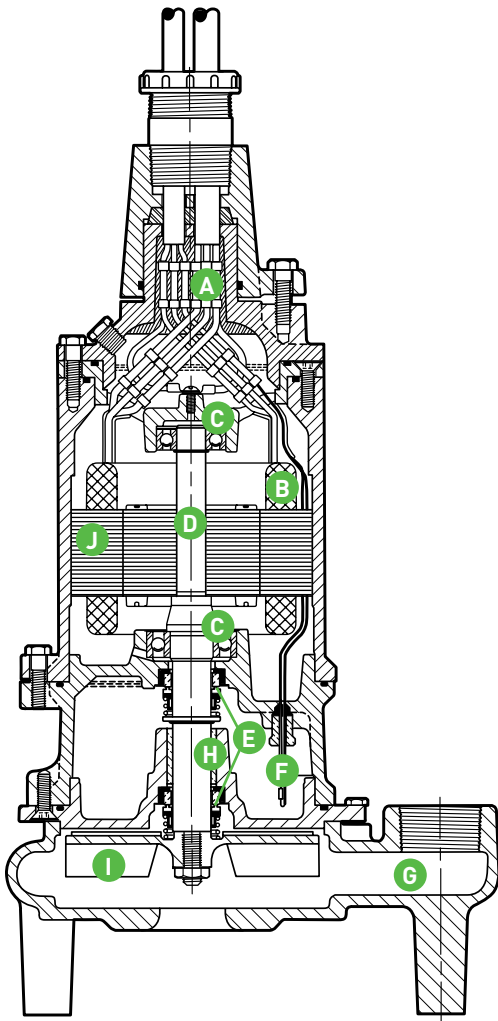


Product Capabilities		
Capacities To		95 gpm      360 lpm
Heads To		34 ft.      10 m
Solids Handling	SX50	2 in.      50 mm
	SX50H	¾ in.      19 mm
Liquids Handling	domestic, effluent and drain water	
Intermittent Liquid Temp.		up to 140° F      up to 60° C
Winding Insulation Temp. (Class B)		266°F      130°C
Motor Electrical Data <small>(Single phase motors are capacitor start type. Myers control panels or capacitor kits are recommended for proper operation and warranty.)</small>	½ HP, 1750 rpm 1Ø – capacitor start, 208V/230V; 60 Hz 3Ø – 208/230/460/575V	
Std. Third Party Approvals	CSA	
Specific Gravity	.9 – 1.1	
Viscosity	28 – 35 SSU	
Discharge, NPT	SX50	2 in.      50 mm
	SX50H	1½ in.      38.1 mm
Min. Sump Dia.	(Simplex)	24 in.      61.0 cm
	(Duplex)	36 in.      91.4 cm

Construction Materials		
Motor Housing, Seal Housing, Cord Cap and Volute Case	cast iron, Class 30, ASTM A48	
Impeller	recessed, cast iron, Class 20, A48	
Power Cord	14/4 SOOW	
Control Cord	18/5 SOOW	
Mechanical Seals	Standard	dbl. tandem carbon & ceramic
	Optional	lower tungsten carbide
Pump, Motor Shaft	416 SST	
Fasteners	300 Series SST	

Note: Consult factory for applications outside these recommendations.

# Pump Features and Applications



## A. Cable Entry System

Provides double seal protection. Cable jacket sealed by compression grommet. Individual wires sealed by epoxy potting.

## B. Heat Sensor

Protects motor from burn-out due to excessive heat from any overload condition. Automatically resets when motor has cooled.

## C. Ball Bearings

Upper and lower ball bearings support shaft and rotor and take axial and radial loads.

## D. Heavy 416 SST Shaft

Corrosion resistant. Reduces shaft deflection due to grinding loads.

## E. Shaft Seals

Double tandem mechanical shaft seals protect motor. Oil-filled seal chamber provides continuous lubrication.

## F. Seal Leak Probes

Detects water in seal housing, activates warning light in control panel.

## G. Volute Case

Cast iron 1½" – 2" vertical discharge.

## H. Sleeve Bearing

Takes radial load; provides flame path.

## I. Impeller

Ductile iron recessed impeller handles ground slurry without clogging or binding. Provides unobstructed flow passage. Reduces radial loads. Pump-out vanes help keep trash from seal, reduces pressure at seal faces.

## J. Stator

½ HP, 1750 RPM, 1 or 3 phase. Press fit for perfect alignment and best heat transfer. Oil-filled motor conducts heat and lubricates bearings.

## Pump and Control Panel Packages:

- SIMPLEX 1Ø  
SX50-21PS (high flow)  
SX50H-21PS (high pressure)
- SIMPLEX 3Ø  
SX50-23PS (high flow)  
SX50H-23PS (high pressure)
- DUPLEX 1Ø  
SX50-21PD (high flow)  
SX50H-21PD (high pressure)
- DUPLEX 3Ø  
SX50-23PD (high flow)  
SX50H-23PD (high pressure)

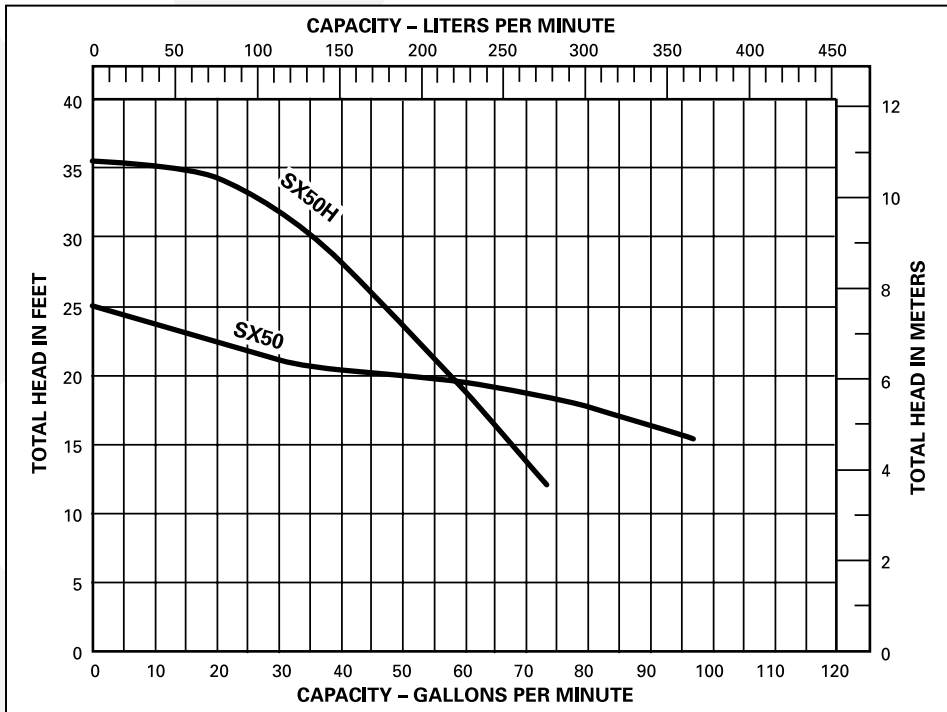
## Myers® CEX Control Panels feature:

- NEMA 4X enclosure with inner door
- Separate pump and control circuit breaker intrinsically safe module for floats
- H-O-A switch
- Run, seal leak, and alarm light
- Motor starter and capacitor
- U/L 913
- Solids handling up to 2"

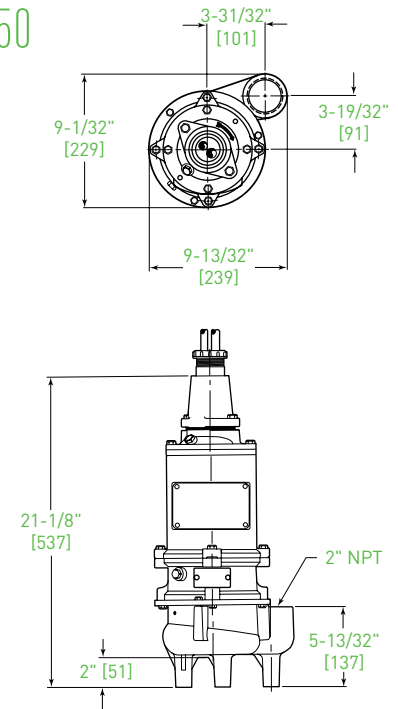
## Applications include:

- Service stations
- "Quick-lube" stations
- Car/truck washes
- Truck docks
- Military base

# Performance Data and Dimensions

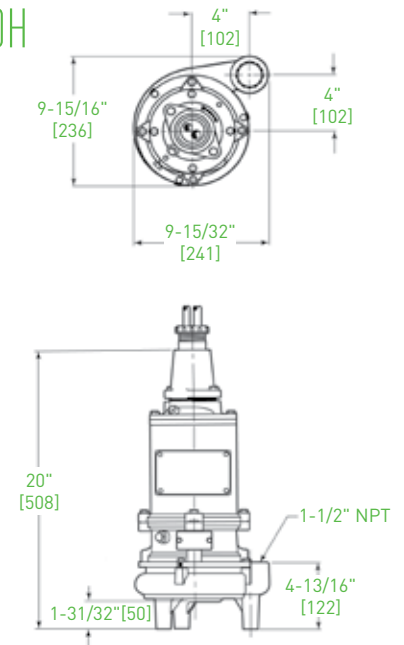


SX50



Motor Electrical Data									
Available Models	HP	Volts	Phase	Hertz	Full Load Amps	Service Factor Amps	NEC Code Letter	Start Amps	Start kW
SX50(H)-01	1/2	208	1	60	4.5	5.4	F	13.4	2.3
SX50(H)-21	1/2	230	1	60	4.9	5.9	H	14.9	2.6
SX50(H)-03	1/2	208	3	60	3.6	4.3	M	14.8	4.0
SX50(H)-23	1/2	230	3	60	3.2	3.8	M	12.6	3.9
SX50(H)-43	1/2	460	3	60	1.6	1.9	M	6.3	3.9
SX50(H)-53	1/2	575	3	60	1.3	1.5	M	5.1	4.0

SX50H



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