

# 3MW SERIES

3" Non-Clog Wastewater Pumps  
Vertical Discharge  
2" Solids Handling - 3450 RPM  
2½" Solids Handling - 1750 RPM



**T**HE HEAVY-DUTY MYERS 3MW SERIES SEWAGE PUMPS ARE DESIGNED FOR USE IN RESIDENTIAL RAW SEWAGE AND LIGHT COMMERCIAL APPLICATIONS. 3MW pumps are available in single and double seal configuration. The enclosed two vane impeller provides high efficiency pumping and easily handles trashy solids normally found in sewage applications. This series is offered with vertical discharge and easily adapts to a quick-disconnect slide rail system. For more information, call your Myers distributor or the Myers Ohio sales office at 419-289-1144.

## ADVANTAGES BY DESIGN

- High efficiency hydraulic design cuts pumping costs and extends life of fluid end components.
- Two-vaned rounded port impellers easily handle solids at high operating efficiencies.
- Offered in two speeds to cover larger operating range.
- Hydraulic end virtually maintenance free. No close running tolerances have to be maintained or adjusted.
- Volute seal ring replaces in minutes if wear should occur with no adjustments needed.

## DURABLE MOTOR WILL DELIVER MANY YEARS OF RELIABLE SERVICE

- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- High torque, permanent split capacitor (PSC), single phase motors. No starting switches or relays to wear out.
- Optional seal leak probe warns of seal leak condition. (Dual seal motors only.) Helps prevent costly motor damage.
- Motors have on winding current and temperature sensitive overload. (Single phase only.)
- Motor is held in place by 4 bolts. Easily removed if service is ever needed.

## PRODUCT CAPABILITIES

Capacities To	330 gpm	20.82 lps
Heads To	92 ft.	28.0 m
Solids Handling		
1750 rpm	2½ in.	63.5 mm
3450 rpm	2 in.	50.6 mm
Liquids Handling	raw sewage, rain water, effluent	
Intermittent Liquid Temp.	140°F	60°C
Winding Insulation Temp. (Class B)	266°F	130°C
Available Motors (single phase are psc type; three phase need Myers control panel.)	1750 rpm 1½-3 HP 208/230 volt 1Ø, 60 Hz	3450 rpm 1-3 HP 208/230/460/575 volt, 3Ø, 60 Hz
Third Party Approval	UL Pending, CSA	
Acceptable pH Range	6-9	
Specific Gravity	.9-1.1	
Viscosity	28-35 SSU	
Discharge, Vertical	3" NPT	
Minimum Sump Dia. (Duplex)	48 in.	1.2 m

## Construction Materials

Motor Housing, Seal Housing, Volute Case	cast iron, class 30 ASTM A48
Enclosed 2-Vane Impeller	ductile iron, class 65 ASTM A536
Power, Control Cords	SJOW/SJOWA, SOW/SOWA, 20 ft.
Mechanical Seal	single, type 21 standard-carbon/ceramic optional-tungsten carbide
Pump, Motor Shaft	416 SST
Fasteners	300 series SST

WHERE INNOVATION MEETS TRADITION

**Myers**<sup>®</sup>

Pentair Pump Group

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## POWER CORD

Jacket sealed with compression fittings. Individual wires potted with epoxy to prevent wicking in case of cord damage.

## MOTOR HOUSING

Cast iron for efficient heat transfer and corrosion resistance.

## BEARINGS

Upper and lower ball support rotor. Take radial and thrust loads.

## MOTOR

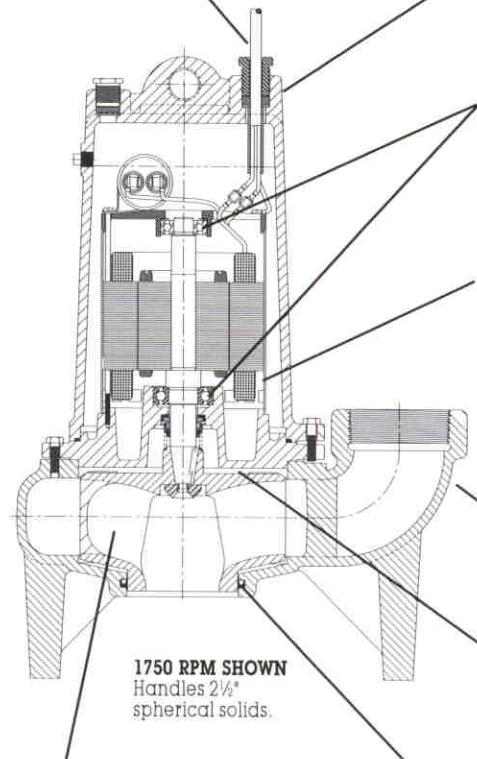
1, 1½, 2 and 3 HP single or three phase, 60 Hz, 3450 RPM. 1½, 2 and 3 HP single or three phase, 60 Hz, 1750 RPM. Single phase PSC motors have built-in on winding overload protection, oil-cooled and lubricated.

## HIGH EFFICIENT CAST IRON VOLUTE

Corrosion resistant. 3" NPT vertical discharge with legs.

## PUMP OUT VANES

Help keep trash from seal, reduces pressure at seal faces.



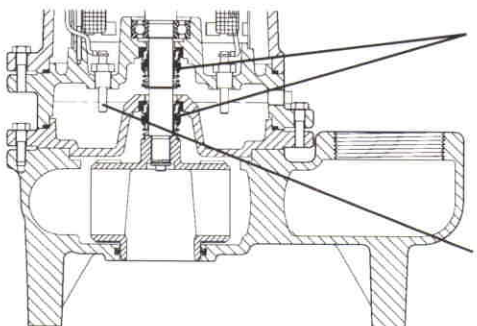
**1750 RPM SHOWN**  
Handles 2½" spherical solids.

## ENCLOSED TWO VANE IMPELLER

High efficiency. Standard cast iron construction.

## VOLUTE/IMPELLER SEAL RING

Maintains high efficiency and reduces recirculation. Replaceable.



**3450 RPM SHOWN**  
Handles 2" spherical solids

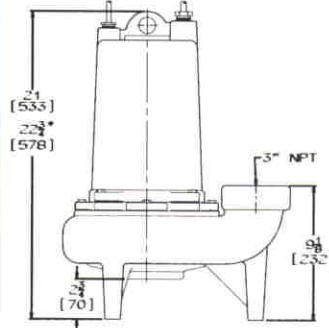
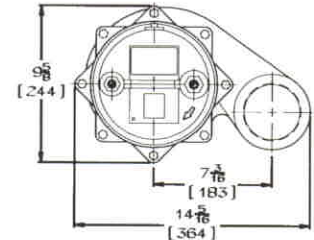
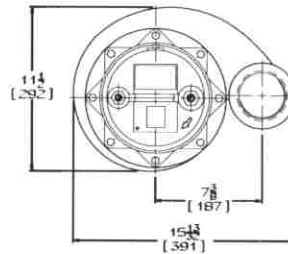
## SHAFT SEAL(S)

Carbon and ceramic faces. Dual tandem seals extends motor life. Optional tungsten carbide.

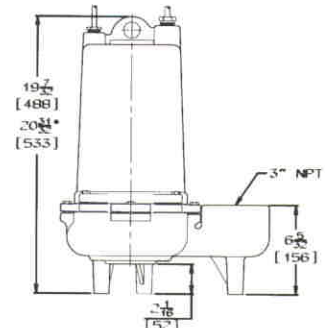
## SEAL LEAK PROBE

Optional probes (dual seal only) detect water leakage in seal housing. Activates warning light.

## DIMENSIONS



**1750 RPM**



**3450 RPM**

\* Double seal overall height  
[] Dimensions in mm

## PERFORMANCE CURVE

