

SCREWSUCKER™

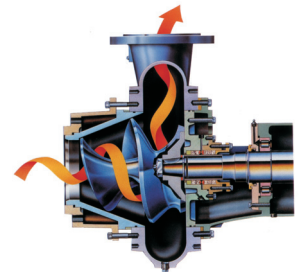
PUMPING BY APSCO

Model 104S, Dry Running, Self Priming, Solids Handling Diesel Engine Pump System



Properties:

- ▶ Clog resistant impeller and liner in wear resistant configuration, 3R configuration.
- ▶ Impeller has large free passage of 3".
- ▶ Very economical. Fuel consumption is 50% lower than conventional dirty water pumps with the same free passage.
- ▶ Large pump capacity combined with a low engine power rating.
- ▶ The pump set primes very quickly even at high suction lifts.
- ▶ The vacuum system can handle large quantities of air. Up to 59 cfm, standard is 15 cfm.
- ▶ Capable of pumping unscreened raw sewage water.
- ▶ Capable of pumping viscous liquids.
- ▶ The wear liner can be adjusted from outside the pump. R1 and R3 configuration.
- ▶ Electronic vacuum system.
- ▶ Pump can dry prime down to 28 feet.
- ▶ Automatic start / stop system (level switching).
- ▶ Very low noise emission.
- ▶ Double shaft seal immersed in oil bath guarantees an extended shaft seal life (silicon / tungsten)



Applications:

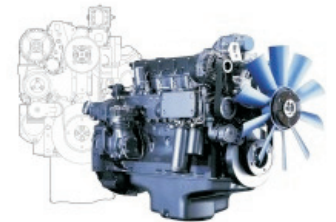
- ▶ Sewer Bypass.
- ▶ Drainage of building sites.
- ▶ Well pointing and drainage lines.
- ▶ Pumping bentonite and sludge.
- ▶ Emergency pump station.



Technical specifications:

Discharge connection
Suction connection
Capacity (maximum)
Head (maximum)
Pump type and manufacture
Engine type and make
Engine power rating
Required pump power
Engine starting system
Capacity diesel tank
Acoustic canopy

Flange - 6" 125 LBS. ANSI.
Flange - 8" 125 LBS. ANSI.
2000 GPM.
210 Feet.
F04K-S01(3)R / Hidrostal Screw Centrifugal.
Deutz / BF4M2011, 4 cylinder oil cooled diesel engine.
63 HP @ 1800 RPM.
52 HP @ 1750 RPM.
12 volt DC manual and automatic level switching.
125 gallon, sufficient for 48 hours continuous running at maximum load (1500 RPM).
Noise emissions reduced to 65 dB(A) at 23 ft. Distance.
The canopy doors can be locked. The fuel tank is built into a container to prevent leakage. The fuel tank container has a built in oil separator.
A hand pump is built in to assist in pumping out diesel engine sump and double bottom. The entire canopy is constructed from galvanized steel sheeting. Approximately 6000 Lbs.

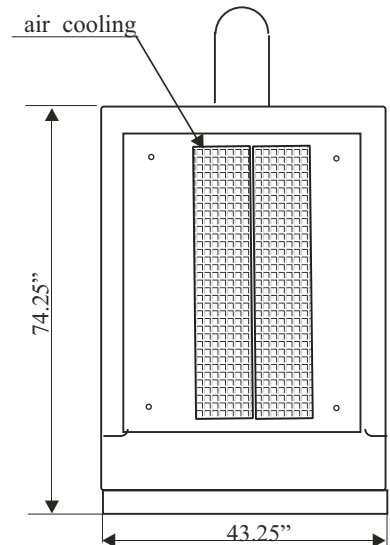
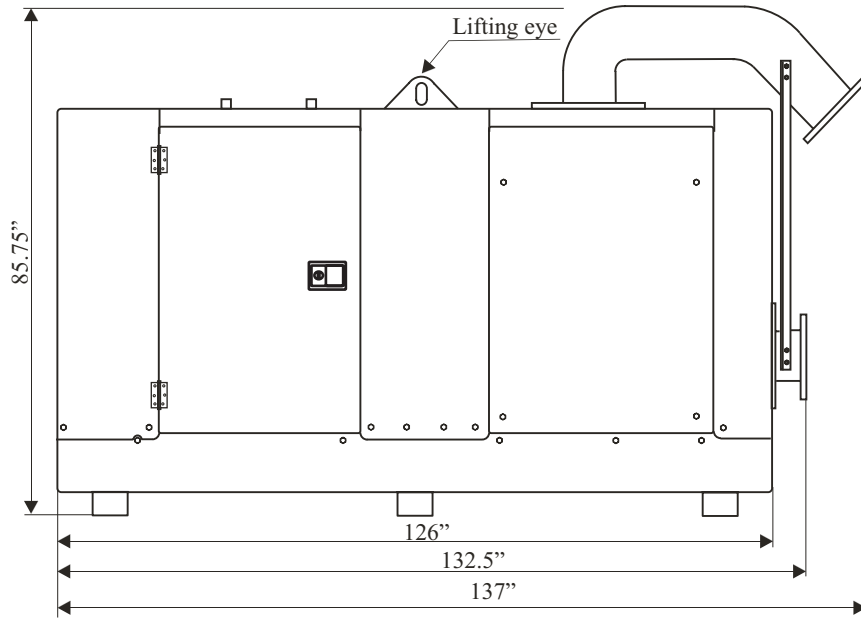
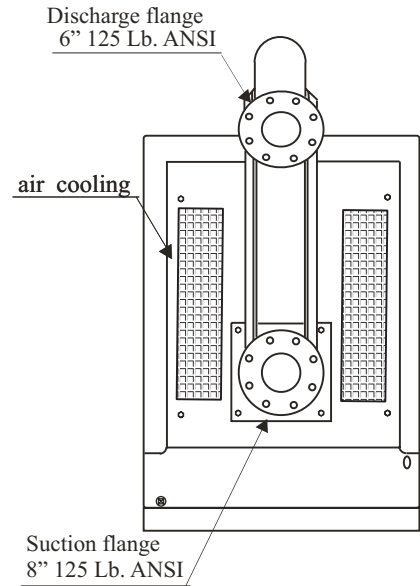
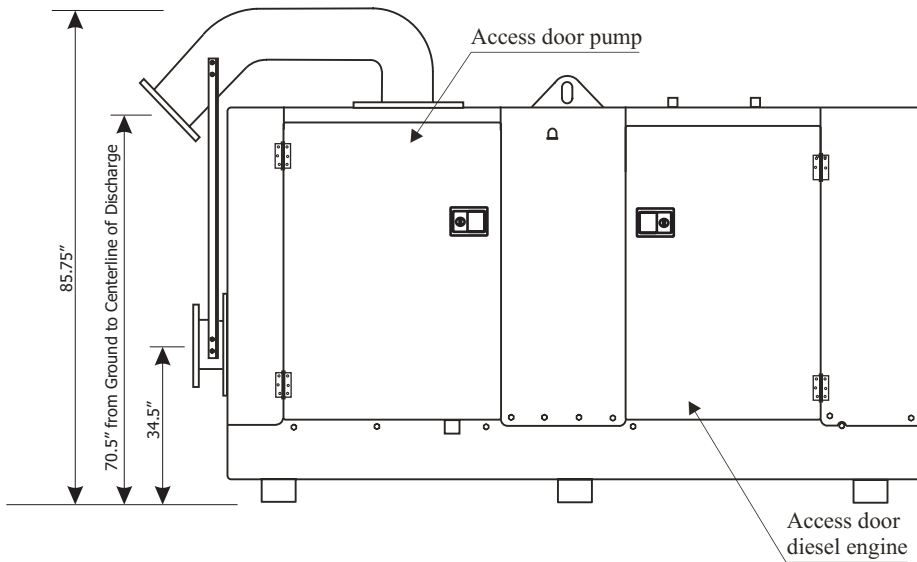
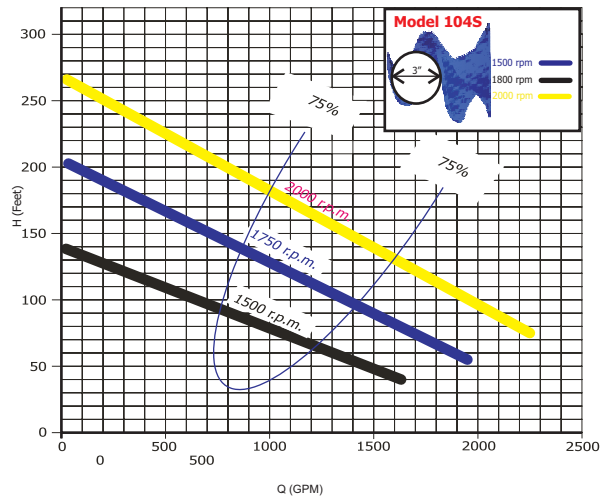


Weight

SCREWSUCKER™

Model 104S

Dimensions are in inches.
 Dimensions, configuration and weight can be
 changed or vary without notice.
 Drawing is not to scale.
 Suction flange: 8" 125# ANSI.
 Discharge flange: 6" 125# ANSI.



Hidrostat *Inventors of the*

Screw-Centrifugal Pump



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