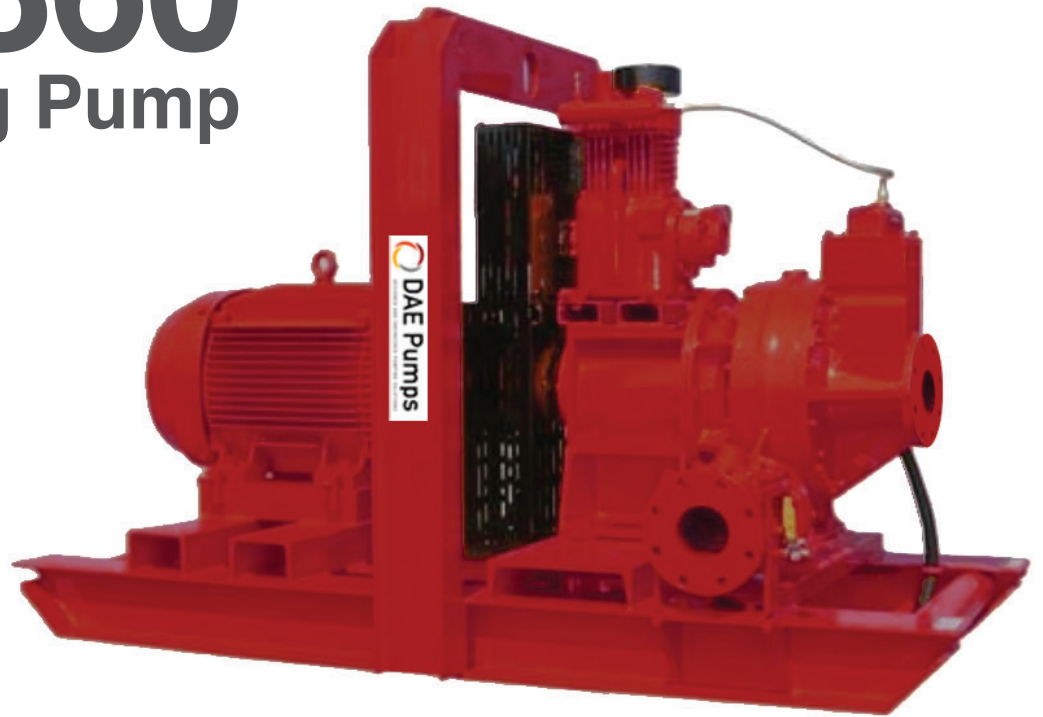


MAX860

Self-Priming Pump



DAEPUMPS.COM

info@daepumps.com

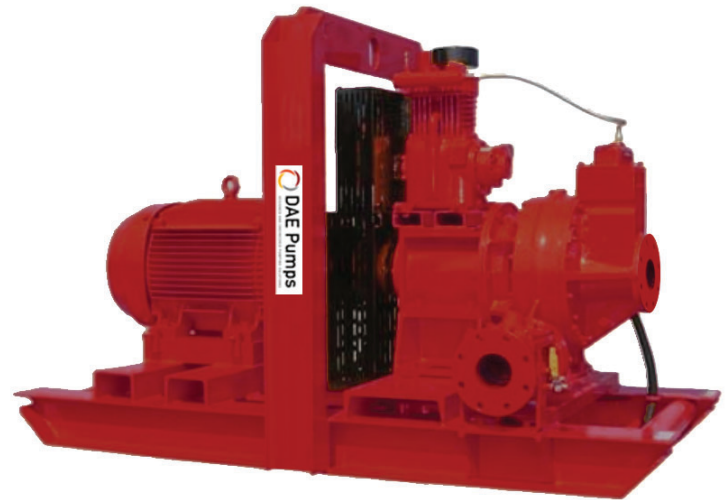
(760) 821-8112

MAX860 Self-Priming Pump

DAE Pumps MAX860 pump offers flow rates to 2536 GPM and has the capability of discharge pressures to 135 PSI.

The MAX860 is able to automatically prime to 26' of suction lift from dry. Automatic or manual starting/stopping available through integral mounted control panel or optional wireless remote access.

High discharge pressure, dry-running, and portability make the MAX860 the perfect choice for mining, industrial and emergency fire backup applications.



Features and Benefits

- Simple maintenance normally limited to checking fluid levels and filters.
- Dri-Prime (continuously operated Venturi air ejector priming device) requiring no periodic adjustment or control. Optional automatic on/off control available on the priming system.
- Dry-running high pressure liquid bath mechanical seal with high abrasion resistant solid silicon carbide faces.
- Close-coupled centrifugal pump with Dri-Prime system coupled to a diesel engine or electric motor.
- All cast iron construction (stainless steel construction option available) with cast steel impeller.
- Also available in a critically silenced unit which reduces noise levels to less than 70dBA at 30'.
- Standard engine Caterpillar C7 (T3 Flex). Also available with John Deere 6068HFC94 (IT4).

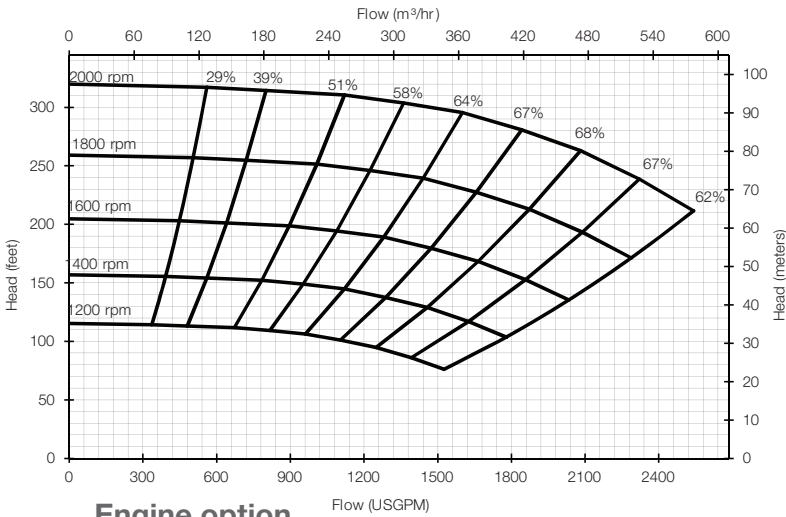
Specifications

Suction connection	8" 150# ANSI B16.5
Delivery connection	6" 150# ANSI B16.5
Max capacity	2536 PM † †
Max solids handling	1.4"
Max Impeller diameter	15.5"
Max operating temp	176°F*
Max working pressure	296 PSI
Max suction pressure	135 PSI
Max casing pressure	209 PSI
Max operating speed	2000 RPM

* Please contact our office for applications in excess of 176°F.

† Larger diameter pipes may be required for maximum flows.

Performance Curve



Engine option

Caterpillar C7 (T3 Flex), 225 HP @ 2000 rpm
 Impeller diameter 15.5"
 Pump speed 2000 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	199	226	256	274	296
	Output (USGPM)				
10	2516	2264	1971	1635	629
15	2277	2235	1887	1593	503
20	2013	1929	1808	1510	419
25	1258	1234	1193	1151	-

Fuel capacity: 180 US Gal
 Max Fuel consumption @ 2000 rpm: 12.2 US Gal/hr
 Max Fuel consumption @ 1800 rpm: 11.9 US Gal/hr
 Weight (Dry): 6,330 lbs
 Weight (Wet): 7,620 lbs
 Dimensions: (L) 147" x (W) 55" x (H) 84"

Performance data provided in tables is based on water tests at sea level and 20°C ambient. All information is approximate and for general guidance only. Please contact the factory or office for further details.

Materials

Pump casing & suction cover	Cast iron BS EN 1561 - 1997
Wearplates	Cast iron BS EN 1561 - 1997
Pump Shaft	Carbon steel BS 970 - 1991 817M40T
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return valve body	Cast Iron
Mechanical seal	Silicon carbide face; Viton elastomers; Stainless steel body

Engine option 2

John Deere 6068HFC94 (IT4), 220 HP @ 2000 rpm
 Impeller diameter 15.5"
 Pump speed 2000 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	199	226	256	274	296
	Output (USGPM)				
10	2516	2264	1971	1635	629
15	2277	2235	1887	1593	503
20	2013	1929	1808	1510	419
25	1258	1234	1193	1151	-

Fuel capacity: 180 US Gal
 Max Fuel consumption @ 2000 rpm: 10.9 US Gal/hr
 Max Fuel consumption @ 1600 rpm: 10.0 US Gal/hr
 Weight (Dry): 6,500 lbs
 Weight (Wet): 7,790 lbs
 Dimensions: (L) 147" x (W) 55" x (H) 84"

Performance data provided in tables is based on water tests at sea level and 20°C ambient. All information is approximate and for general guidance only. Please contact the factory or office for further details.

