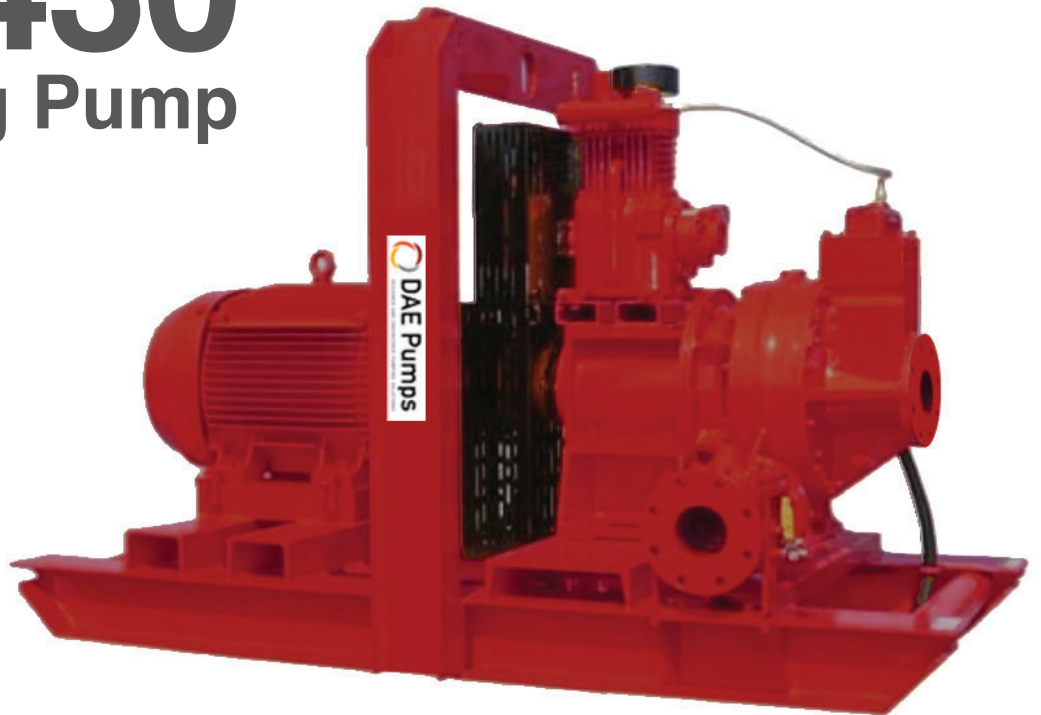


# MAX430

## Self-Priming Pump



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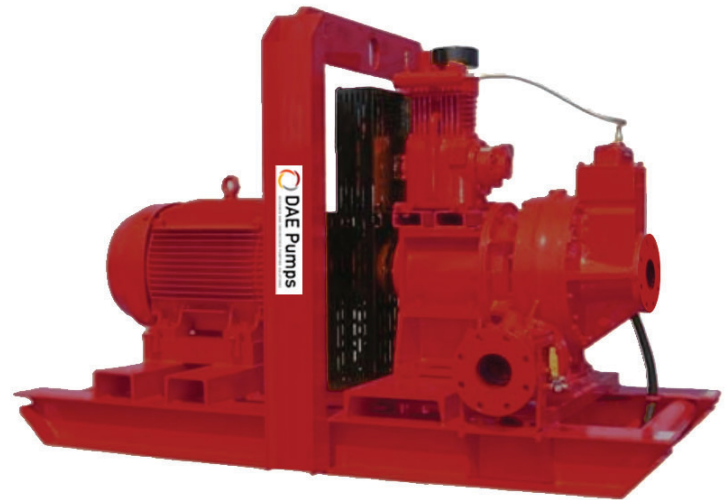
(760) 821-8112

## MAX430 Self-Priming Pump

DAE Pumps MAX430 offers flow rates to 500 GPM and has the capability of discharge pressures to 260 PSI.

The MAX430 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 MAX430 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 steel 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 John Deere 6068HF285 (T3 Flex). Also available with John Deere 6068HC93 (IT4).

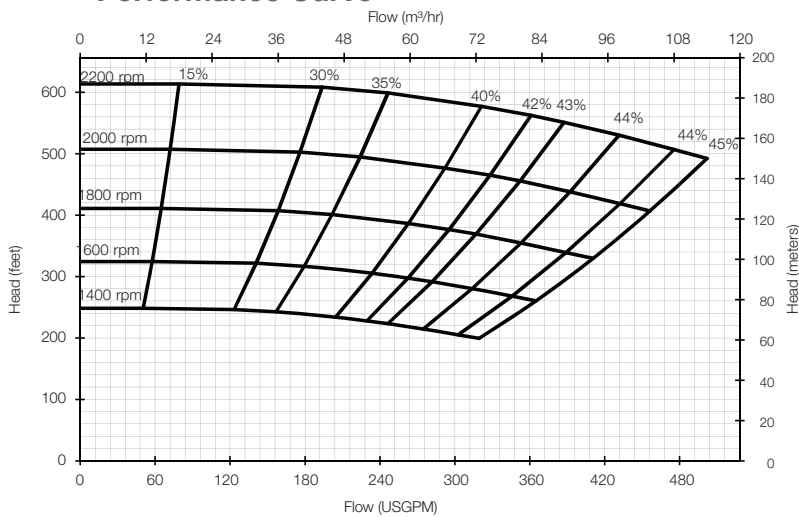
### Specifications

Suction connection	4" 150# ANSI B16.5
Delivery connection	3" 300# ANSI B16.5
Max capacity	500 GPM †
Max solids handling	0.8"
Max Impeller diameter	18"
Max operating temp	176°F*
Max working pressure	260 PSI
Max suction pressure	87 PSI
Max casing pressure	398 PSI
Max operating speed	2200 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

John Deere 6068HF285 (T3 Flex), 156 HP @ 2200 rpm  
 Impeller diameter 18"  
 Pump speed 2200 rpm

#### Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	455	506	546	570	590
	Output (USGPM)				
10	533	460	387	315	242
15	523	436	363	291	170
20	509	412	339	266	145
25	484	387	291	194	-

Fuel capacity: 180 US Gal  
 Max Fuel consumption @ 2200 rpm: 8.6 US Gal/hr  
 Max Fuel consumption @ 1800 rpm: 7.5 US Gal/hr  
 Weight (Dry): 5,950 lbs  
 Weight (Wet): 6,740 lb  
 Dimensions: (L) 138" x (W) 53" 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 steel BS3100 A5
Wearplates	High Chrome Cast Iron Hardened to 625 HB Brinell
Pump Shaft	Carbon steel BS 970 - 1991 817M40T
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return valve body	Cast Steel
Mechanical seal	Silicon carbide face; Viton elastomers; Stainless steel body

### Engine option 2

John Deere 6068HC93 (IT4), 158 HP @ 2200 rpm  
 Impeller diameter 18"  
 Pump speed 2200 rpm

#### Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	455	506	546	570	590
	Output (USGPM)				
10	533	460	387	315	242
15	523	436	363	291	170
20	509	412	339	266	145
5	484	387	291	194	-

Fuel capacity: 180 US Gal  
 Max Fuel consumption @ 2200 rpm: 8.3 US Gal/hr  
 Max Fuel consumption @ 1800 rpm: 7.5 US Gal/hr  
 Weight (Dry): 6,610 lbs  
 Weight (Wet): 7,910 lbs  
 Dimensions: (L) 138" x (W) 53" 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.

