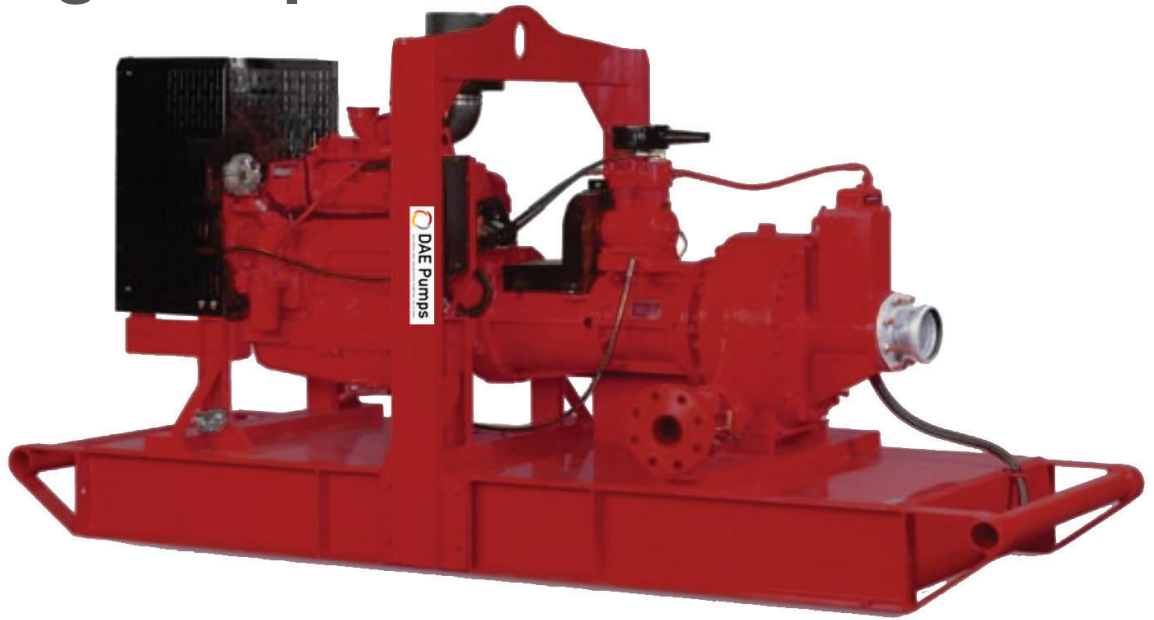


SP66

Self-Priming Pump



DAEPUMPS.COM

info@daepumps.com

(760) 821-8112

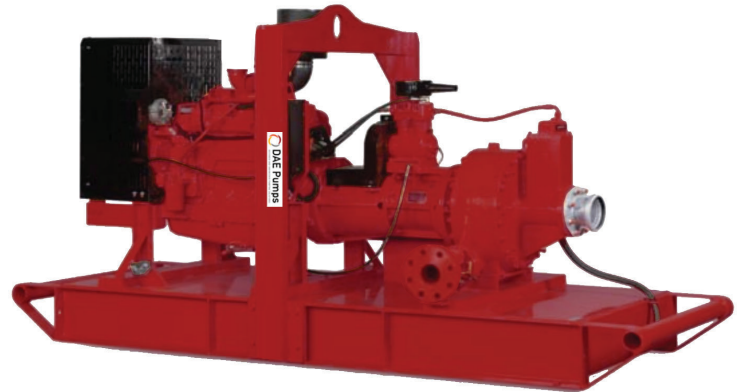
SP66 Self-Priming Pump

DAE Pumps SP66 pump is an extremely powerful yet compact pump with flow capabilities to 1750 USGPM.

The SP66 features the unique patented Flygt N-technology with its innovative self-cleaning impeller.

SP Series pumps are engineered to deliver sustained high efficiency resulting in lower energy and fuel costs while reducing unplanned downtime.

This makes the SP66 a best-in-class portable pump suitable for both sewage and clean water applications.



Features and Benefits

- Dri-Prime (continuously operated Venturi air ejector priming device) requiring no periodic adjustment. Optional compressor clutch available.
- Incorporates N-technology for non-clog performance, sustained high efficiency and long-term energy/fuel savings.
- Hard-Iron™ (EN12513:2000) impeller and insert ring.
- Dry-running, high-pressure oil bath mechanical seal with highly abrasion resistant silicon carbide faces.
- Close-coupled centrifugal pump mounted to a diesel engine or electric motor for easy pumpend or engine/motor changeover in the field.
- Also available in a critically silenced unit which reduces noise levels to less than 70 dBA at 30'.
- Standard engine John Deere 4045TF290 (IT4 Flex). Also available with Caterpillar C4.4M-T (Export Only).

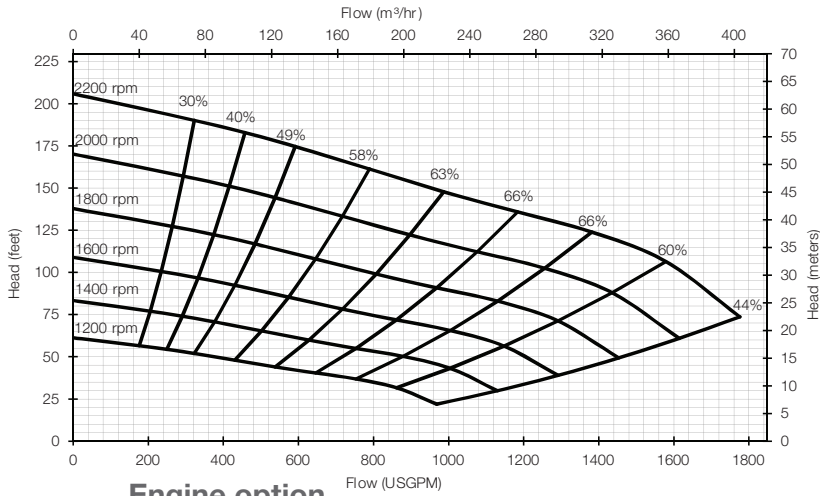
Specifications

Suction connection	6" 150# ANSI B16.5
Delivery connection	6" 150# ANSI B16.5
Max capacity	1750 GPM †
Max Impeller diameter	11.1"
Max operating temp	176°F
Max working pressure	90 PSI*
Max suction pressure	58 PSI
Max casing pressure	135 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

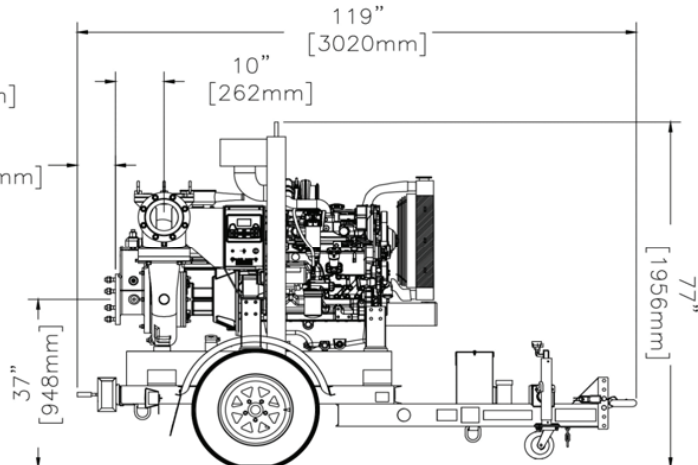
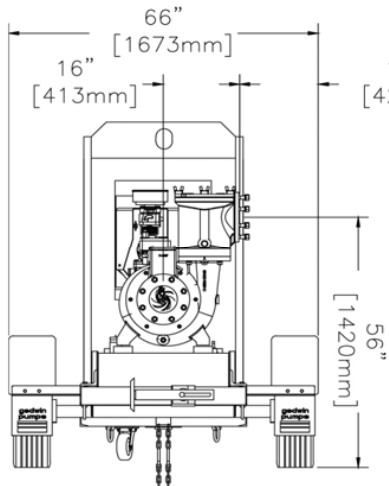
John Deere, 4045TF290 (IT4 Flex), 75 HP @ 2200 rpm
Impeller diameter 11.1"
Pump speed 2200 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	64	115	151	167	180
	Output (USGPM)				
10	1574	1211	581	363	48
15	1308	1114	533	242	-
20	1090	969	339	-	-
25	848	678	242	-	-

Fuel capacity: 60 US Gal
Max Fuel consumption @ 2200 rpm: 4.4 US Gal/hr
Max Fuel consumption @ 1800 rpm: 3.8 US Gal/hr
Weight (Dry): 3,080 lbs
Weight (Wet): 3,500 lbs
Dimensions: (L) 119" x (W) 66" x (H) 77"

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 BS1561:1997
Wearplates	Front - Hard Iron EN12513:2000 Rear - Cast Iron BS1561:1997 0
Pump Shaft	Carbon steel BS970:1991 817M40T
Impeller	Hard Iron EN12513:2000
Non-return valve body	Cast iron BS1561:1997
Mechanical seal	Silicon carbide face; Viton elastomers; Stainless steel body

Engine option 2

Caterpillar, C4.4M-T (Export Only), 78 HP @ 2200 rpm
Impeller diameter 11.1"
Pump speed 2200 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	66	117	153	169	180
	Output (USGPM)				
10	1574	1211	581	363	48
15	1308	1114	533	242	-
20	1090	969	339	-	-
25	848	678	242	-	-

Fuel capacity: 60 US Gal
Max Fuel consumption @ 2200 rpm: 4.6 US Gal/hr
Max Fuel consumption @ 1800 rpm: 4.2 US Gal/hr
Weight (Dry): 3,080 lbs
Weight (Wet): 3,500 lbs
Dimensions: (L) 119" x (W) 66" x (H) 77"

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.