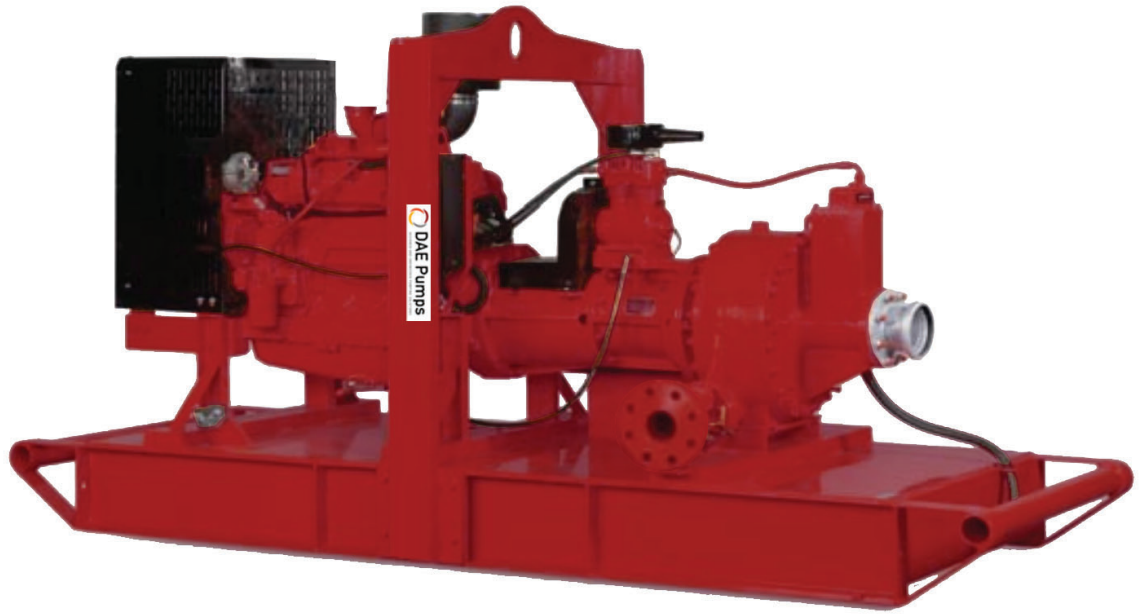


SP44

Self-Priming Pump



DAEPUMPS.COM

info@daepumps.com

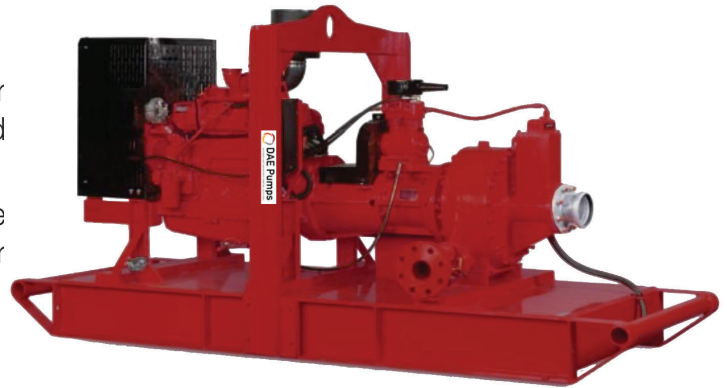
(760) 821-8112

SP44 Self-Priming Pump

DAE Pumps SP44 pump is an extremely powerful yet compact pump with flow capabilities to 1050 GPM.

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

This makes the SP44 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 Yanmar 3TNV88 (IT4 Flex). Also available with Caterpillar C1.5T (IT4 Flex).

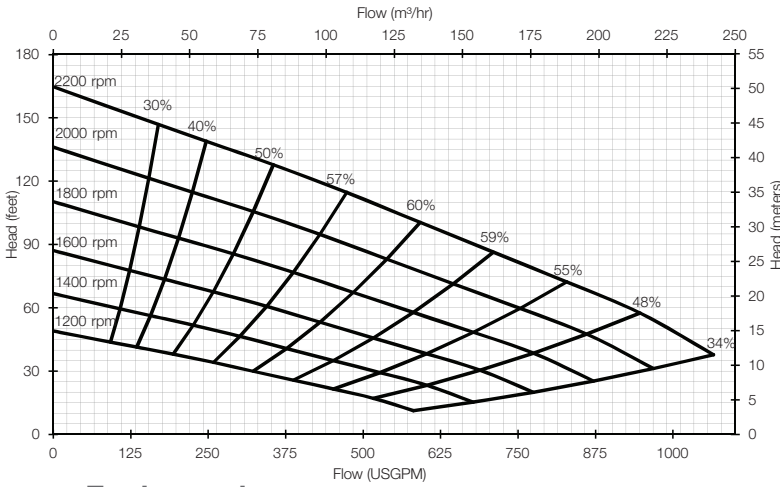
Specifications

Suction connection	4" 150# ANSI B16.5
Delivery connection	4" 150# ANSI B16.5
Max capacity	1050 GPM †
Max Impeller diameter	10"
Max operating temp	176°F
Max working pressure	65 PSI*
Max suction pressure	58 PSI
Max casing pressure	107 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

Yanmar, 3TNV88 (IT4 Flex), 30 HP @ 2200 rpm
Impeller diameter 10"
Pump speed 2200 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	33	66	98	140	131
10	1013	793	528	88	-
15	925	748	484	66	-
20	815	704	440	22	-
25	625	599	396	-	-

Fuel capacity: 60 US Gal
Max Fuel consumption @ 2200 rpm: 1.6 US Gal/hr
Max Fuel consumption @ 1800 rpm: 1.4 US Gal/hr
Weight (Dry): 2,240 lbs
Weight (Wet): 2,660 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, C1.5T (IT4 Flex), 34 HP @ 2200 rpm
Impeller diameter 10"
Pump speed 2200 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	33	66	98	140	131
10	1013	793	528	88	-
15	925	748	484	66	-
20	815	704	440	22	-
25	625	599	396	-	-

Fuel capacity: 60 US Gal
Max Fuel consumption @ 2200 rpm: 2.1 US Gal/hr
Max Fuel consumption @ 1800 rpm: 1.8 US Gal/hr
Weight (Dry): 1,900 lbs
Weight (Wet): 2,120 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.

