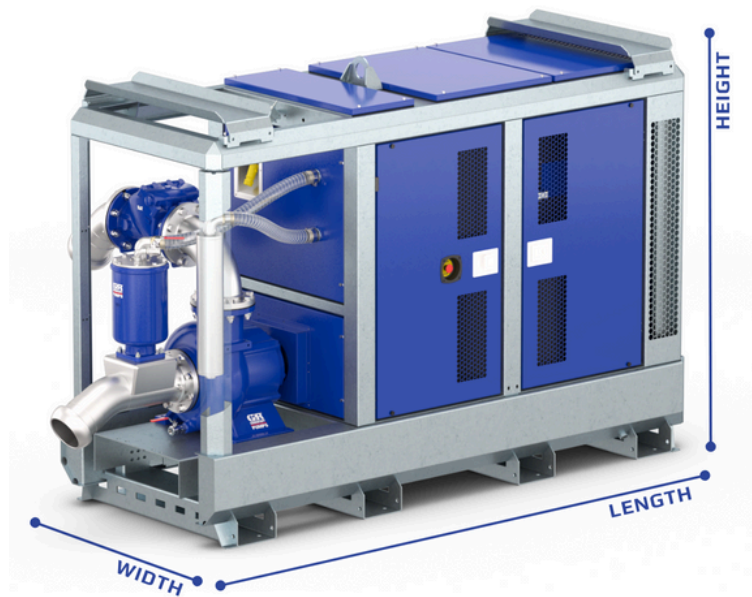


S-Line PAV6-450

GORMAN-RUPP S-LINE GENERAL DESCRIPTION



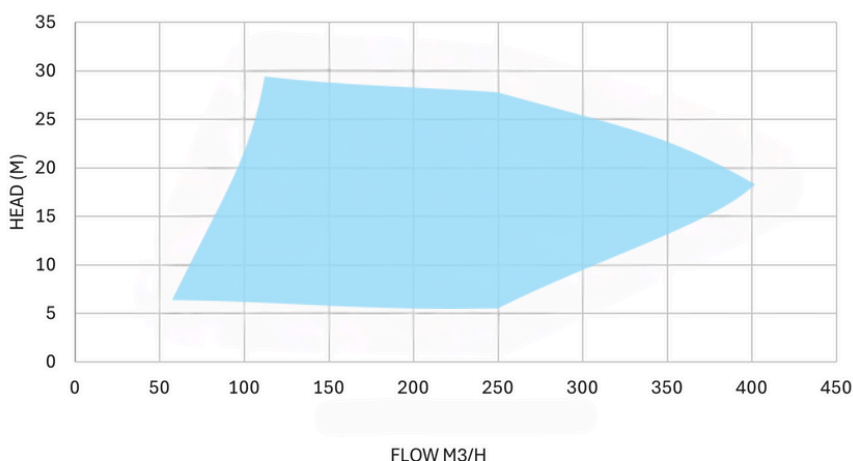
The Gorman-Rupp S-Line PAV6-450 is the definite answer for heavy duty pumping applications. These dry self-priming Vortex centrifugal pumps from Gorman-Rupp are designed for heavy duty applications such as pumping drilling fluid in HDD drilling, or pumping sewage water during temporary bypass operations.



NET WEIGHT
Approx. 2200 kg

CANOPY
Engine is protected with a sound attenuated cover. The steel panels are galvanized and powder coated RAL5003 with a total dry film thickness of approx. 120 micron.

PERFORMANCE CURVE PAV6-450



PUMP
Gorman-Rupp 6406VA71 prime assisted vortex centrifugal pump



ENGINE
Kohler KDI1903TCR watercooled 4-stroke 1.903 cc 4-cylinder diesel engine



IMPELLER
12,38" Open VORTEX Impeller 101,6 mm solid handling capacity



PERFORMANCE
Max. 460 m3/h flow or 29 mWc discharge head



SOUND
max. 82 dB, measured at 1 meter distance and 1 meter height



DIMENSIONS
6" BSP-T outside thread connection suction side
6" BSP-T outside thread connection discharge side
L: 2,85 m W: 1,10 m H: 1,94 m



OPERATION
Manual by means of a starter button on the panel or automatic (optional)



WARRANTY
5-year Gorman-Rupp warranty on the pump, 1-year on the engine and other components



Silent Powered Pumps

The Pump People®

*Pump performance curve is based on water with a SG=1.0 and without additional accessories.

S-Line PAV6-450

GORMAN-RUPP S-LINE TECHNICAL SPECIFICATIONS



Pump	6406VA-71-B
Solids handling	4" (101,6 mm spherical solids)
Max. operating pressure	724 kPa (105 psi)
Impeller	12,38" Open VORTEX Impeller, GR Hard Iron
Impeller Shaft	Stainless Steel 17-4 PH
Bearing and Seal Cavity Lubrication	SAE30
Shaft Sealing	Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon Carbide Rotating and Stationary Faces
Fasteners	Steel, nickel-plated
Oil Sight Glasses	Available
Pump Casing	Ductile Iron 65-45-12
Material Impeller	Vortex, GR Hard Iron
Pump Shaft	Stainless Steel 17-4 PH
Shaft Sleeve	Alloy Steel 4130
Seal Plate	GR Hard Iron
Bearing House	Gray Iron 30
Gaskets	Buna-N, Compressed Synthetic Fibers, Vegetable Fiber, PTFE, Cork, and Rubber
O-rings	Buna-N



DIAPHRAGM

VACUUM PUMP

Pumpcasing	Gray Iron 30
Diaphragm casing	Aluminum Alloy 356-T6
Diaphragm	Neoprene
Valves	Buna-N
Drive shaft	Alloy Steel 4130
Bearings	Open single row ball bearings
Oil sight glasses	2
Air/ water separator	TPAWS (Twin Port Air Water Separator)

ENGINE

Brand	KOHLER
Model	KDI1903TCR
Emission standard	Stage V
Engine capacity	1.903 cc.
Cooling	Watercooled
Air intake	Turbo with inlet air cooler
Fuel tank capacity	250 liter
Autonomy	Approx. 19 hours
Starting	Electric start

CHASIS DESIGN

Chassis	Steel, fully welded, equipped with drain plug, oil separating overflow and forklift beams
Corrosion protection	Hot-dip galvanized
Canopy	Sound attenuated steel canopy
Corrosion protection	Panels are galvanized and powder coat RAL 5003 with a total film thickness of ca. 120 micron.
Options	See the options list

CONTROL PANEL

Controlpanel	DSE400
Starting	Manual with starter button on the panel or automatic (optional)
Control elements	Oil pressure / Water temperature / Engine load / Fuel consumption / Battery voltage / Speed / Fuel level
Hour meter	Preheat /General warning
Speed adjustment	Yes
	Soft touch button on the control panel