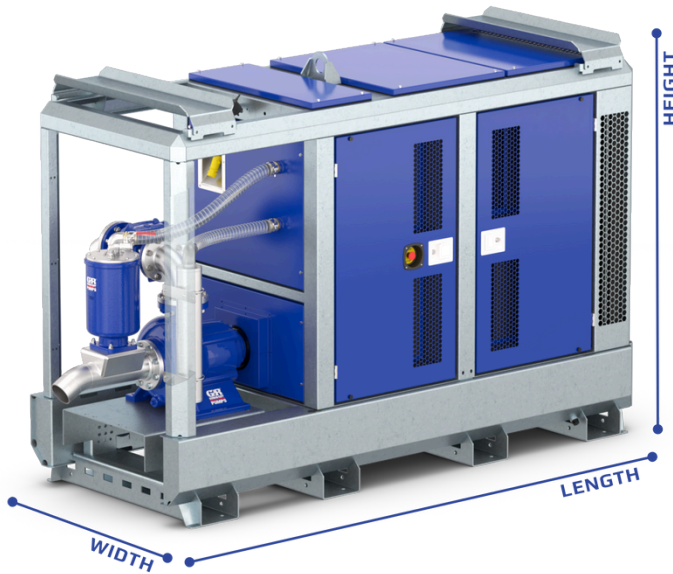


# S-Line PAV4-220 Performance +

# GORMAN-RUPP S-LINE GENERAL DESCRIPTION



The Gorman-Rupp S-Line PAV4-220 Performance+ 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 and offer higher pressure compared to the standard model. Typical applications are pumping drilling fluid in HDD operation, or pumping sewage water during temporary bypass operations.



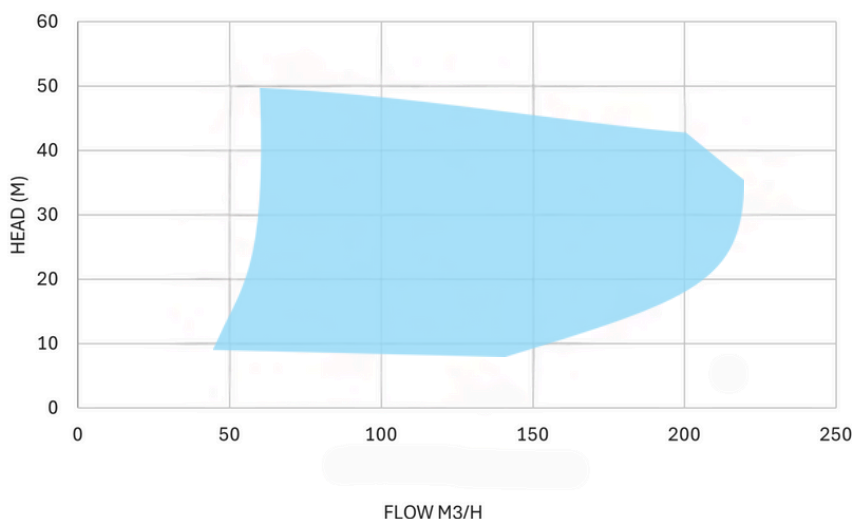
**NET WEIGHT**  
Approx. 2050 kg

**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.

**FUEL TANK**  
250 liter

**CHASSIS**  
Steel, fully welded and hot-dip galvanized. Equipped with drain plug, oil-separating overflow and forklift pockets.

### PERFORMANCE CURVE PAV4-220 PERFORMANCE +



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



**PUMP**  
Gorman-Rupp 6404VA71 prime assisted vortex centrifugal pump



**ENGINE**  
Kohler KDI2504TCR watercooled 4-stroke 2.504 cc 4-cylinder diesel engine



**IMPELLER**  
9,75" Open VORTEX Impeller with 76,2 mm solid handling capacity



**PERFORMANCE**  
Max. 220 m3/h flow or 49 mWc discharge head



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



**DIMENSIONS**  
4" BSP-T outside thread connection suction side  
4" BSP-T outside thread connection discharge side  
L: 2,80 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®*

# S-Line PAV4-220 Performance +

# GORMAN-RUPP S-LINE TECHNICAL SPECIFICATIONS



Pump	6404VA-71-B
Solids handling	3" (76,2 mm spherical solids)
Max. operating pressure	724 kPa (105 psi)
Impeller	9,75" 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	KDI2504TCR
Emission standard	Stage V
Engine capacity	2.504 cc.
Cooling	Watercooled
Air intake	Turbo with inlet air cooler
Fuel tank capacity	250 liter
Autonomy	Approx. 14 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 galvanised 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
	Preheat /General warning
Hour meter	Yes
Speed adjustment	Soft touch button on the control panel