

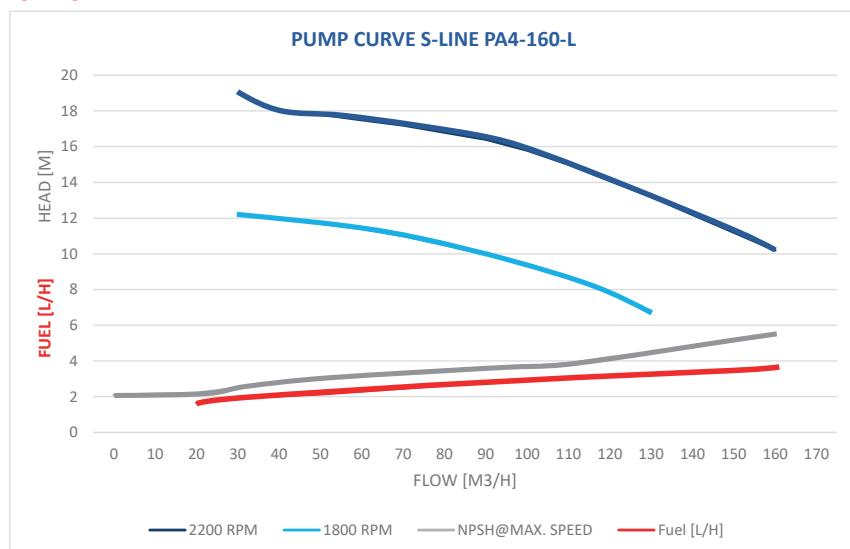
PA4-160-L/LS

GORMAN-RUPP S-LINE

General description



The Gorman-Rupp S-Line PA4-160-L/LS is a diesel-powered priming assisted centrifugal pump set for pumping clean and dirty water (L version) and/or sewage (LS version).



Pump curve based on water at 20°C, Performance of the LS versions is on average 10% below that shown in the curve.

CHASSIS

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

CANOPY

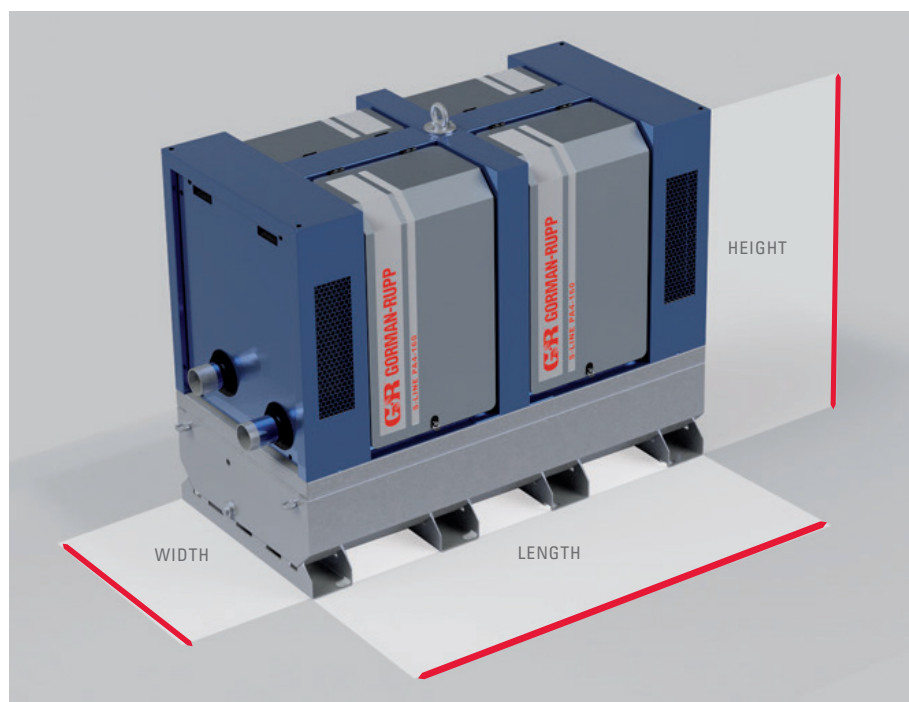
Steel body, galvanized, powder coated RAL 5003, and sandwich composite wing doors with gas springs.

FUEL TANK

Stainless steel, 200 liter

EMPTY WEIGHT

Approx. 965 kg



PUMP

Gorman-Rupp PA4A60D priming-assisted centrifugal pump



ENGINE

Kohler KDW1003 liquid-cooled 4-stroke 1028 cc 3-cylinder diesel engine



IMPELLER

Semi-open-2-vane 7" impeller made of Ductile iron
LS-version: with 'snaggle-tooth' wear plate



PERFORMANCE

Max. 160 m³/h flow or 19 mWc head



DIMENSIONS

4" x 4" BSP-T connection size, 76,2 mm solids handling capacity
C: 2,00m B: 1,00m H: 1,71m



SOUND

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



WARRANTY

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



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Technical specifications



PUMP

Solids handling	3" (76,2 mm)
Max. working pressure	717 kPa
Impeller	7" Semi-open-2 vane impeller
Pump Shaft Bearings	Open single row and double row ball bearings
Bearing lubrication	SAE30
Shaft sealing	SAE30
Fasteners	Steel, nickel-plated
Oil sight glasses	Available
Pump casing	Gray Iron 30
Impeller	Ductile Iron
Pump shaft	Stainless Steel 17-4 PH
Shaft sleeve	Alloy Steel 4130
Wearplate	Carbon Steel 1015
Bearing housing	Gray Iron 30
Gaskets	Synthetic rubber, Cork, PTFE, vegetable fibers
O-rings	Buna-N

DIAPHRAGM VACUUM PUMP

Pumpcasing	Gray Iron 30
Diaphragm casing	Aluminum 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	Standard

CHASSIS DESIGN

Chassis	Steel, fully welded, equipped with drain stopper, oil-separating overflow and forklift beams
Corrosion protection	Hot-dip galvanized
Canopy	Steel with 4 wing doors
Corrosion protection	1) Zinc coating 2) 2-component epoxy insulation layer 3) powder coating RAL 5003 (standard)
Doors	Composite sandwich construction, wing doors with gas springs, RAL 7036
Optional	See option list

ENGINE

Brand	Kohler
Model	KDW1003
Emission standard	EU stage V
Engine capacity	1028 CC
Cooling	Liquid-cooled
Air intake	Atmospheric
Fuel tank capacity	200 L
Autonomy at full load	Approx. 60 hours
Starting	Elektric started

CONTROL

Controlpanel	Standard Kohler KDW1003
Start	Manual with ignition key
Control elements	Oil pressure / Water temperature / Battery voltage / Preheat / General warning
Hour meter	Yes
Speed adjustment	Manual throttle

