

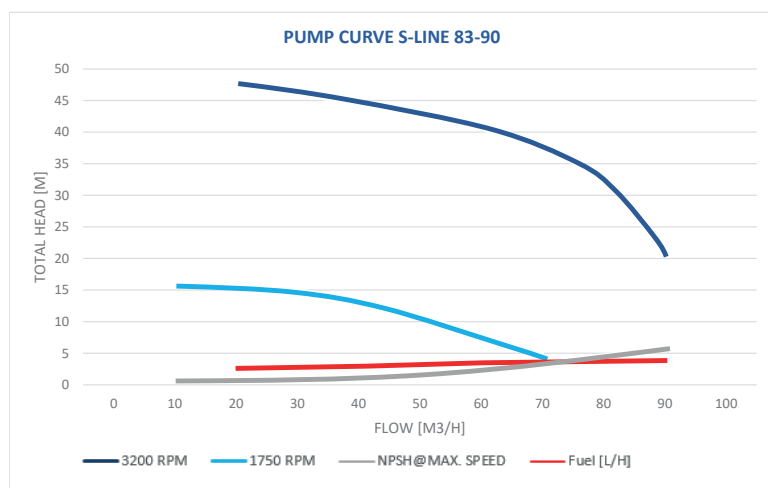
83-90

GORMAN-RUPP S-LINE

General description



The Gorman-Rupp S-Line 83-90 is a diesel-powered self-priming pump set for pumping clean and dirty water and for light or non-frequent use of abrasive fluids.



pump curve based on water at 20°C

CHASSIS

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

CANOPY

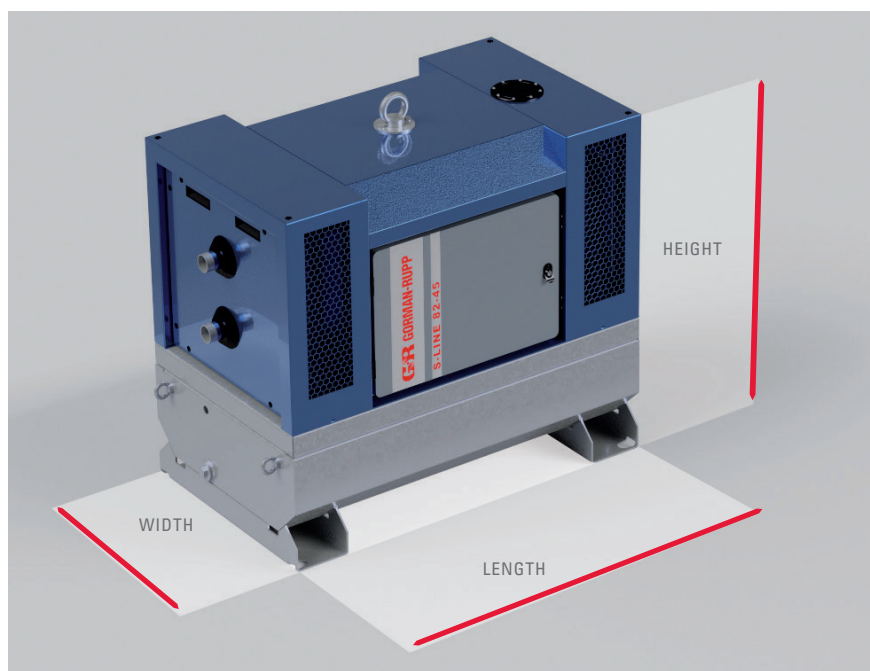
Steel body, galvanized, powder coated RAL 5003, Equipped with hinged doors.

FUEL TANK

Stainless steel, 60 liters

EMPTY WEIGHT

Approx. 580 kg



PUMP

Gorman-Rupp 83B52 self-priming centrifugal pump



ENGINE

Kohler KDW702 liquid-cooled 4-stroke 686 cc 2-cylinder diesel engine



IMPELLER

6.88" Impeller made of cast iron



PERFORMANCE

Max. 90 m³/h flow or 47 mWc head



DIMENSIONS

3" x 3" BSP-T connection size, 20,6 mm solids handling capacity C: 1.35m B: 0,80m H: 1,31m



SOUND

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



WARRANTY

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



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Technical specifications



PUMP

Solids handling	13/16" (20.6mm)
Max. working pressure	807 kPa
Impeller	6.88" Semi-open, 4 vane impeller
Pump shaft bearings	Open single row ball bearings
Bearing lubrication	SAE30
Shaft sealing	Mechanical seal
Fasteners	Steel, nickel-plated
Oil sight glasses	Available
Pump casing	Gray Iron 30
Impeller	Gray Iron 30
Pump shaft	Carbon Steel 1045/1046
Shaft sleeve	Alloy Steel 4130
Wear plate	Carbon Steel 1026
Check valve	Buna-N with Nylon reinforcement, Gray Iron 30 and steel parts
Seal plate	Gray Iron 30
Gaskets	Cork and natural fibers
O-Rings	Buna N

CHASSIS DESIGN

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

ENGINE

Brand	Kohler
Model	KDW702
Emission standard	EU stage V
Engine capacity	688 CC
Cooling	Liquid-cooled
Air intake	Atmospheric
Fuel tank capacity	60 L
Autonomy at full load	Ca. 15 hours
Starting	Electric started

CONTROL

Controlpanel	Standard Kohler KDW702
Start	Manual with ignition key
Control elements	Oil pressure / Water temperature / Battery voltage / Preheat / General warning
Hour meter	Yes
Speed adjustment	Hand-operated throttle

