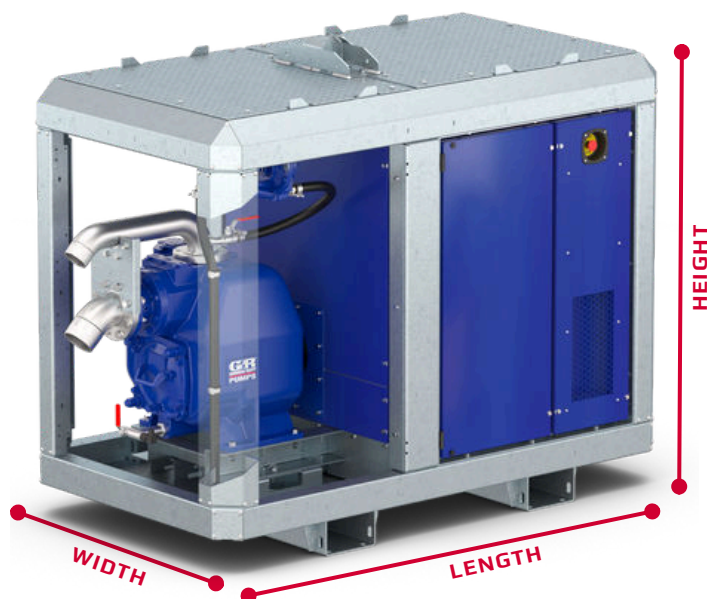


E-Line V3-22-4

GORMAN-RUPP E-LINE GENERAL DESCRIPTION



The Gorman-Rupp E-Line V3-22-4 is an electric driven self-priming centrifugal pump set for pumping clean, dirty and sewage water.



WEIGHT

Approx. 81275 kg

OPERATION

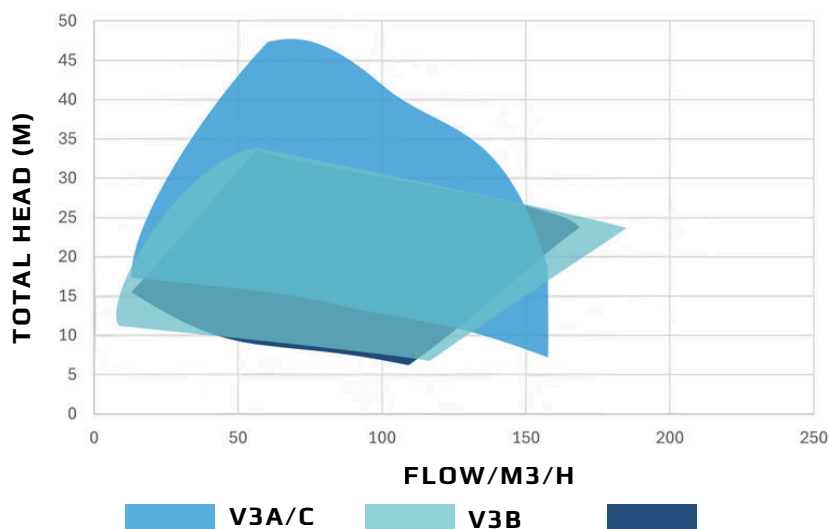
Control panel with main switch, emergency switch, pump on/off, hour counter and speed control. See rear side for more options.

COUPLING AND GUARD

Rubber tyre coupling, steel guard RAL 3002 (red)

CHASSIS

Heavy gauge steel chassis, fully galvanized. Steel protective panels, galvanized, with an additional epoxy layer and powder coated RAL 5003 with a total dry film thickness of approx. 120 micron



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



PUMP

Gorman-Rupp V3B60-B self-priming centrifugal pump



ELECTRIC MOTOR

22 kW IE4 Super premium efficiency electric motor variable frequency drive (VFD) integrated in the pump set



IMPELLER

9,75" Impeller made of ductile iron 76,2 mm solid handling capacity



PERFORMANCE

Max. 190 m3/h flow or 47 mWc discharge head



DIMENSIONS

4" x 3" BSP-T Connection size
L: 2,175 m W: 1,1 m H: 1,66 m



SOUND

max. 75 dB, measured at 1 meter distance and 1 meter height



WARRANTY

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



The Pump People®

WHERE BLUE MEETS GREEN



E-Line V3-22-4

GORMAN-RUPP E-LINE TECHNICAL SPECIFICATIONS



PUMP

Solids handling
Max. working pressure
Impeller
Pump shaft bearings
Bearing and seal cavity lubrication
Shaft sealing

V3B60-B

(standard version, see curves and table below for optional hydraulics. Check E-Line brochure page 42 for material codes)

76,2 mm
90 psi (621 kPa)
9,75 " Semi-Open, Six Vane Ductile Iron 65-45-12
Open Single and Double Row Ball Bearings
SAE 30 Non-Detergent Oil
Mechanical cartridge type seal with Silicon Carbide / Silicon Carbide faces and Fluorocarbon FKM, (Viton® or Equivalent) Elastomers.
Standard Plated Steel
Bearing and Seal Cavity Oil Level Sight Gauges
Gray Iron 30
Ductile Iron 65-45-12
Stainless steel 17-4 PH
Alloy Steel 4130
Carbon Steel ASTM A36
Neoprene with Nylon and Steel Reinforcing
Gray Iron 30
Gray Iron 30
Buna-N, with Compressed Synthetic Fiber, Vegetable Fiber, PTFE, Cork and Rubber
Buna N

Fasteners
Oil sight glasses
Pump casing
Material Impeller
Impeller Shaft
Shaft sleeve
Wear plate
Check valve
Seal plate
Bearing housing
Gaskets
O-Rings



AVAILABLE MODELS

<u>Model</u>	<u>Max. flow</u>	<u>Max.discharge head</u>	<u>Max.RPM</u>	<u>Min.RPM</u>
V3A-22-4	158 m3/h	47 mWc	2600	1550
V3B-22-4	190 m3/h	34 mWc	1950	1050
V3C-22-4	162 m3/h	47 mWc	2600	1550
V3D-22-4	170 m3/h	34 mWc	1950	1050

CHASSIS DESIGN

Chassis Heavy gauge steel chassis, fully galvanized
Corrosion protection Hot-dip galvanized
Protective panels Steel protective panels, galvanized and powder coated RAL 5003

OPTIONS

Discharge Check Valve
Air Release Valve
High Temperature Shutdown Kit
Remote Control
Float Switch
Level Sensor
Custom Colors

ELECTRIC MOTOR

Brand WEG
Model W22
Maximum Power 22 kW
Efficiency Class IE4 Super Premium Efficiency
Variable Frequency Drive (VFD) Euradrive, integrated in the pump set

CONTROL PANEL

Functionalities Main switch, emergency switch, pump on/off, hour counter and speed control
IP Rating of the Cabinet IP44
Earthing System 5 wire Terra-Neutral Separated (TN-S) connection
CEE Plug 63A 5P 400V

