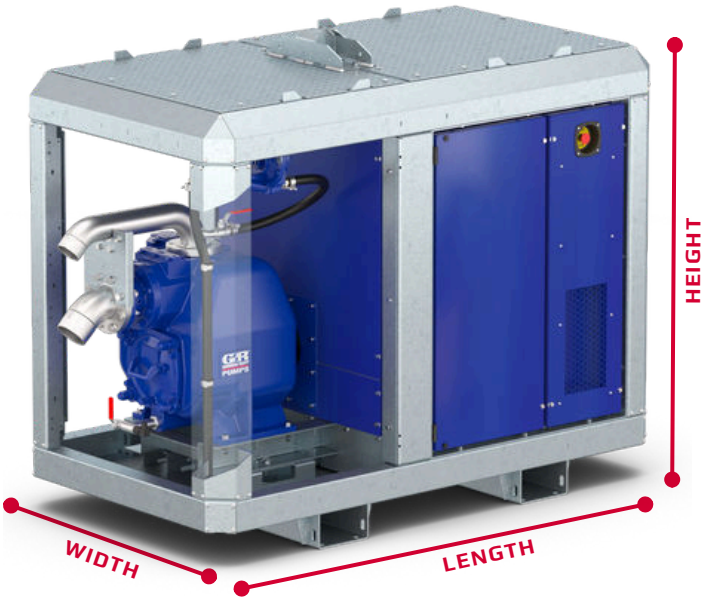
# E-Line V3-30-4

# GORMAN-RUPP E-LINE

## GENERAL DESCRIPTION

**The Gorman-Rupp E-Line V3-30-4 is an electric driven self-priming centrifugal pump set for pumping clean, dirty and sewage water.**

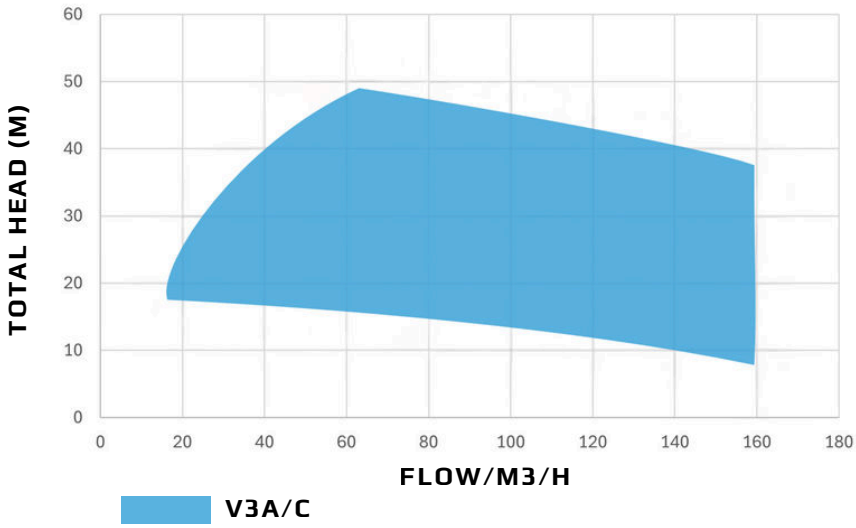



### WEIGHT
Approx. 1360 kg

### 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
30 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.165 m3/h flow or
48 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

E line
Electric Powered Pumps

The Pump People®

WHERE BLUE MEETS GREEN

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## TECHNICAL SPECIFICATIONS

## PUMP

**V3B60-B** (standard version, see curves and table below for optional hydraulics. Check E-Line brochure page 42 for material codes)

| | |
|---|---|
| Solids handling | 76,2 mm |
| Max. working pressure | 90 psi (621 kPa) |
| Impeller | 9,75 " Semi-Open, Six Vane Ductile Iron 65-45-12 |
| Pump shaft bearings | Open Single and Double Row Ball Bearings |
| Bearing and seal cavity lubrication | SAE 30 Non-Detergent Oil |
| Shaft sealing | Mechanical cartridge type seal with Silicon Carbide / Silicon Carbide faces and Fluorocarbon FKM, (Viton® or Equivalent) Elastomers. |
| Fasteners | Standard Plated Steel |
| Oil sight glasses | Bearing and Seal Cavity Oil Level Sight Gauges |
| Pump casing | Gray Iron 30 |
| Material Impeller | Ductile Iron 65-45-12 |
| Impeller Shaft | Stainless steel 17-4 PH |
| Shaft sleeve | Alloy Steel 4130 |
| Wear plate | Carbon Steel ASTM A36 |
| Check valve | Neoprene with Nylon and Steel Reinforcing |
| Seal plate | Gray Iron 30 |
| Bearing housing | Gray Iron 30 |
| Gaskets | Buna-N, with Compressed Synthetic Fiber, Vegetable Fiber, PTFE, Cork and Rubber |
| O-Rings | Buna N |

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## AVAILABLE MODELS

| Model | Max. flow | Max.discharge head | Max.RPM | Min.RPM |
|---|---|---|---|---|
| V3A-30-4 | 158 m3/h | 47 mWc | 2600 | 1550 |
| V3C-30-4 | 165 m3/h | 48 mWc | 2600 | 1550 |

## CHASSIS DESIGN

| | |
|---|---|
| Chassis | Heavy gauge steel chassis, fully galvanized |
| Corrosion protection | Hot-dip galvanized |
| Protective panels | Steel protective panels, galvanized with an additional epoxy layer 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 | 30 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 |