

E-Line V4-45-4

GORMAN-RUPP E-LINE GENERAL DESCRIPTION



The Gorman-Rupp E-Line V4-45-4 is an electric driven self-priming centrifugal pump set for pumping clean, dirty and sewage water.



WEIGHT

Approx. 2130 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, integrated protective guard

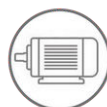
CHASSIS

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

Gorman-Rupp V4A60-B self-priming centrifugal pump



ELECTRIC MOTOR

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



IMPELLER

9,75" Impeller made of Ductile Iron 65-45-12
76,2 mm solid handling capacity



PERFORMANCE

Max. 234 m³/h flow or
47 mWc discharge head



DIMENSIONS

6" x 4" BSP-T connection size
L: 2,68 m W: 1,25 m H: 2,02 m



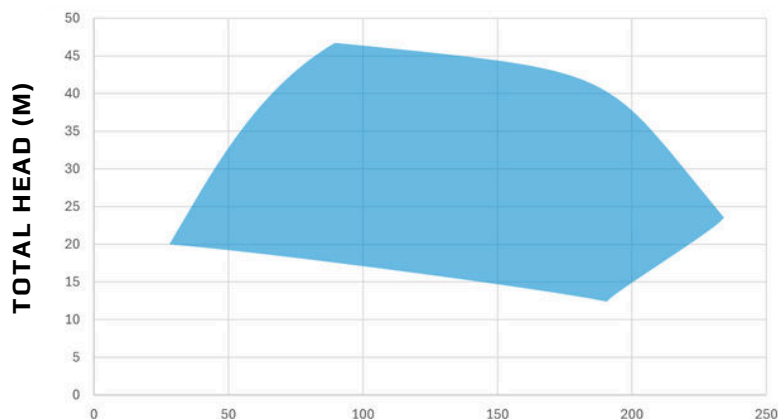
SOUND

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



V4A/C

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



The Pump People®

WHERE BLUE MEETS GREEN



E-Line V4-45-4

GORMAN-RUPP E-LINE TECHNICAL SPECIFICATIONS



PUMP

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

V4A60-B (Standard version, see curves and table below for optional hydraulics.
Check E-Line brochure for material codes)

76,2 mm
118 psi (814 kPa)
9,75" Semi-Open, Two Vane Ductile Iron 65-45-12
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
Alloy Steel 4150
Alloy Steel 4130
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
Seal plate
Bearing housing
Gaskets

O-Rings



AVAILABLE MODELS

<u>Model</u>	<u>Max. flow</u>	<u>Max. discharge head</u>	<u>Impeller Type</u>	<u>Solid handling</u>	<u>Materials</u>
V4A-45-4	234 m3/h	47 mWc	Semi-open, two vane	76,2 mm	Cast Iron
V4C-45-4	223 m3/h	47 mWc	Semi-open, two vane	76,2 mm	Cast Iron

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

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

ELECTRIC MOTOR

Brand	WEG
Model	W22
Maximum Power	45,0 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	125A 5P 400V

