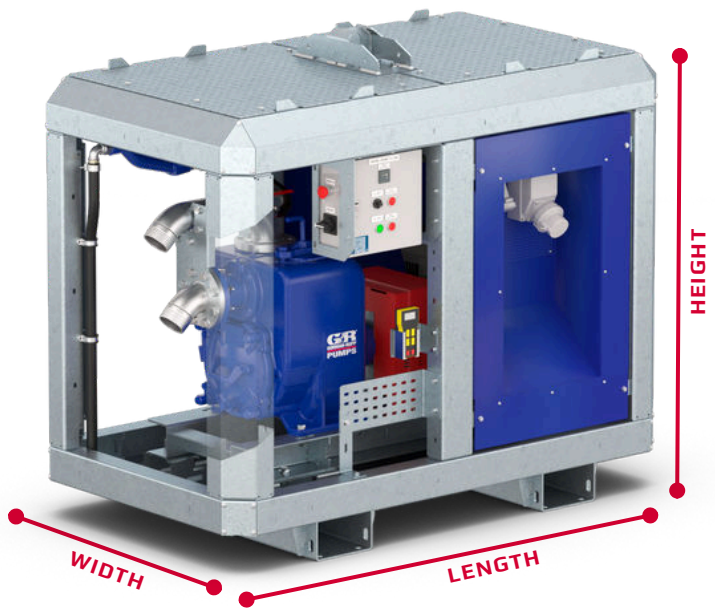
E-Line U3-7.5-4

GORMAN-RUPP E-LINE

GENERAL DESCRIPTION

The Gorman-Rupp E-Line U3-7.5-4 is an electric driven self-priming centrifugal pump set for pumping clean and mildly contaminated water.

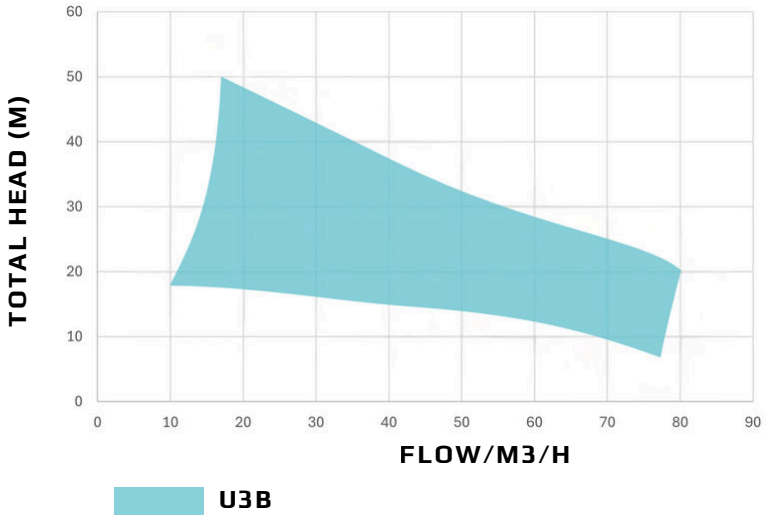


WEIGHT
Approx. 825 kg

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 U3B60-B
self-priming centrifugal pump

ELECTRIC MOTOR
7,5 kW IE3 premium efficiency electric motor with integrated variable frequency drive(VFD)

IMPELLER
11'' Impeller made of ductile iron
20,6 mm solid handling capacity

PERFORMANCE
Max.80 m3/h flow or
50 mWc discharge head

DIMENSIONS
3'' x 3" BSP-T connection size
L: 1,75 m W: 1 m H: 1,51 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

E-Line U3-7.5-4

GORMAN-RUPP E-LINE

TECHNICAL SPECIFICATIONS

PUMP

U3B60-B (standard version, see curves and table below for optional hydraulics. Check E-Line brochure page 42 for material codes)

Solids handling	20,6 mm
Max. working pressure	137 psi (945 kPa)
Impeller	11 " Semi-Open, Six Vane Ductile Iron 60-40-18
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 60-40-18
Impeller Shaft	Alloy Steel 4150
Shaft sleeve	Alloy Steel 4130
Wear plate	Gray Iron 30
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

E line
Electric Powered Pumps

AVAILABLE MODELS

Model	Max. flow	Max.discharge head	Max.RPM	Min.RPM
U3B-7.5-4	80 m3/h	50 mWc	1900	1150

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	HOYER
Model	HMA3
Maximum Power	7,5 kW
Efficiency Class	IE3 Premium Efficiency
Variable Frequency Drive (VFD)	Hoyer, 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	32A 5P 400V