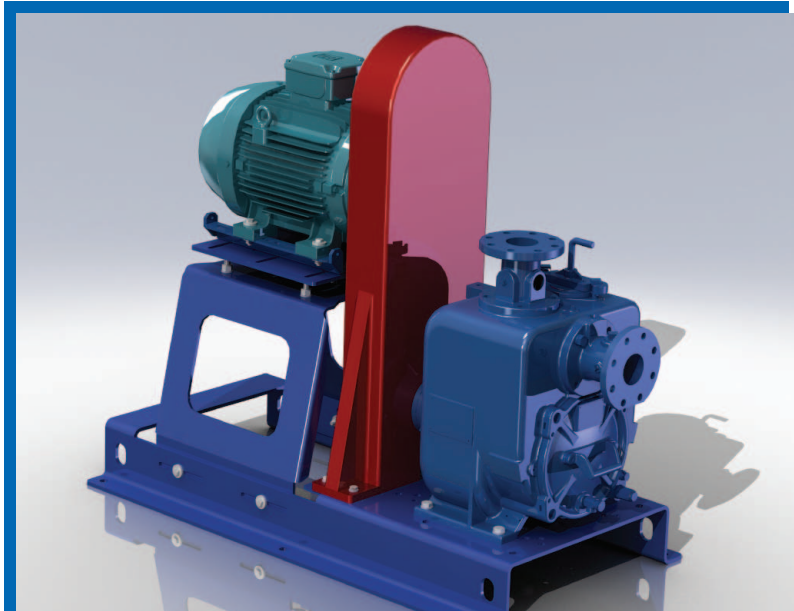


# MODEL U3B - PMB

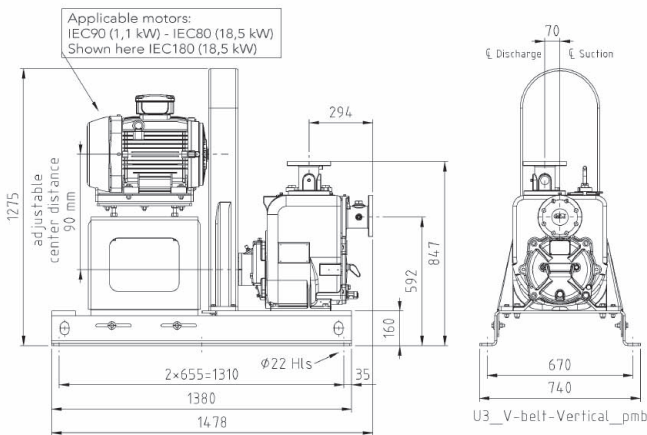
## VERTICAL BELT DRIVE



### PUMP SPECIFICATIONS

- Size:** 80 mm x 80 mm DIN 2527 (PN16) Flanged.
- Casing:** Gray Iron 30. Maximum Operating Pressure 9,58 Bar.\*
- Semi-Open Type, Six Vane Impeller:** Ductile Iron 60-40-18. Handles 20,6 mm Diameter Spherical Solids.
- Impeller Shaft:** Alloy Steel 4150.
- Replaceable Wear Plate:** Gray Iron 30.
- Removable Adjustable Cover Plate:** Gray Iron 30; 27 kg.
- Bearing Housing:** Gray Iron 30.
- Seal Plate:** Gray Iron 30.
- Shaft Sleeve:** Alloy Steel 4130.
- Seal:** Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon Carbide Rotating and Stationary Faces. Stainless Steel 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 71°C.\*

### MODEL U3B - PMB

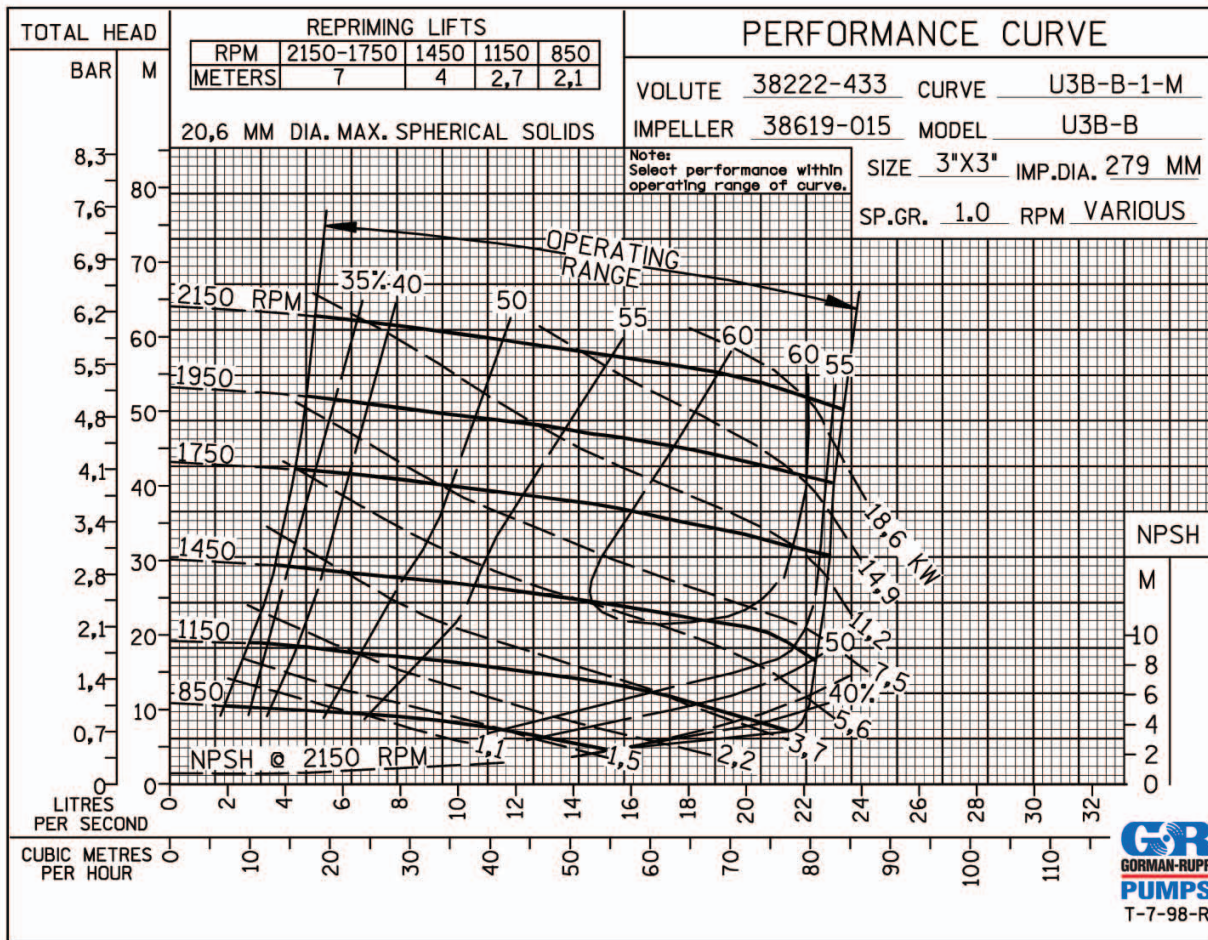


**Optional Equipment:** G-R Hard Iron or CD4MCu Stainless Steel Impeller, and Wear Plate. Discharge Check Valve. Automatic Air Release Valve. Casing Heater. High Pump Temperature Shutdown Kit.

- Radial Bearing:** Open Single Row Ball.
- Thrust Bearing:** Open Double Row Ball.
- Bearing and Seal Cavity Lubrication:** SAE 30 Non-Detergent Oil.
- Flanges:** Gray Iron 30.
- Gaskets:** Cork, Rubber, Vegetable Fiber and PTFE.
- O-Rings:** Buna-N and Fluorocarbon (DuPont VitonR or Equivalent).
- Hardware:** Standard Plated Steel. Brass Pressure Relief Valve. Bearing and Seal Cavity Oil Level Sight Gauges

\* Consult Gorman-Rupp Europe for applications exceeding maximum pressure and/or temperature indicated.

\*\* Refer to The Gorman-Rupp Specification sheet for details on the available pumps. Premium materials subject to a price adder.



## MOTOR DIMENSIONS

W22 - PREMIUM EFFICIENCY			
pole	IV	1500rpm	50Hz
voltage	380V	400V	415V
output (kw)	dimensions w x l x h (mm)	weight (kg)	frame
18,5	360 x 664 x 459	180	180M
15	329 x 642 x 424	145	160L
11	264 x 598 x 424	109	160M
7,5	271 x 490 x 350	78	132M
5,5	271 x 452 x 350	69	132S
4	192 x 393 x 304	44	112M
2,2	199 x 376 x 267	31,5	100L
1,5	179 x 329 x 247	23	90L
1,1	179 x 304 x 247	19,5	90S

## MOTOR SPECIFICATIONS

### Standard Features

- Three-phase, multivoltage, IP55, TEFC;
- Premium efficiency - complying with IE3 efficiency levels according to IEC60034-30;
- Number of Poles: 4\*
- Mounting: B3T;
- Voltage: 220-240/380-415V / 380-415/660V;
- Class "F" insulation ( $\Delta T=80K$ );
- Continuous duty: S1;
- Design N;
- WISE® (WEG Insulation System Evolution) insulation system - Suitable for inverter duty applications\*;
- Ambient temperature: 40°C, at 1000 m.a.s.l.;

- Squirrel cage rotor / Aluminium die cast;
- V'Ring seal for frames 63 to 200L;
- Stainless steel nameplate AISI 316;
- Metric threaded cable entries on the terminal box;
- Color: RAL 6002 - Green.

\*For additional details about Inverter operation, please contact our technical support.

\*Special Insulation for voltage above 575V

### Optional Available

- Degree of Protection: IP56, IP65, IP66, IPW56, IPW65 or IPW66

## UPDATED PMB FRAME

Steel: S235JRG2, powder coated finish.  
Zinc plated hardware + nuts.

