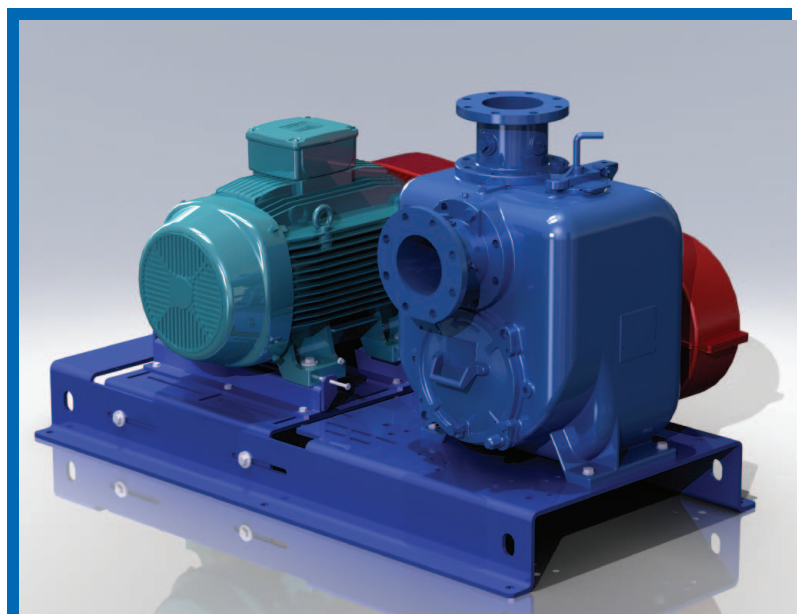


# MODEL U6B - PMB

## HORIZONTAL BELT DRIVE (MOTOR LEFT)

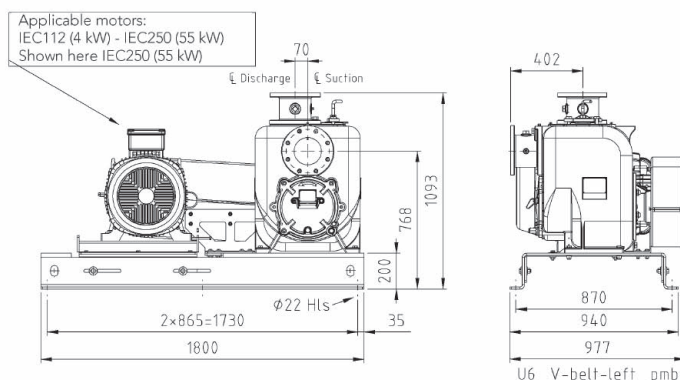


### PUMP SPECIFICATIONS

- Size:** 150 mm x 150 mm DIN 2527 (PN16) Flanged.
- Casing:** Gray Iron 30. Maximum Operating Pressure 8,48 Bar.\*
- Semi-Open Type, Five Vane Impeller:** Ductile Iron 65-45-12. Handles 31,7 mm Diameter Spherical Solids.
- Impeller Shaft:** Alloy Steel 4150.
- Replaceable Wear Plate:** Gray Iron 30.
- Removable Adjustable Cover Plate:** Gray Iron 30; 36 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.\*

- Radial and Thrust Bearings:** Open Double Row Ball.
- Bearing and Seal Cavity Lubrication:** SAE 30 Non-Detergent Oil.
- Flanges:** Gray Iron 30.
- Gaskets:** Cork, Rubber, PTFE and Buna-N w/Compressed Synthetic Fibers.
- O-Rings:** Buna-N.
- Hardware:** Standard Plated Steel. Brass Pressure Relief Valve. Bearing and Seal Cavity Oil Level Sight Gauges.

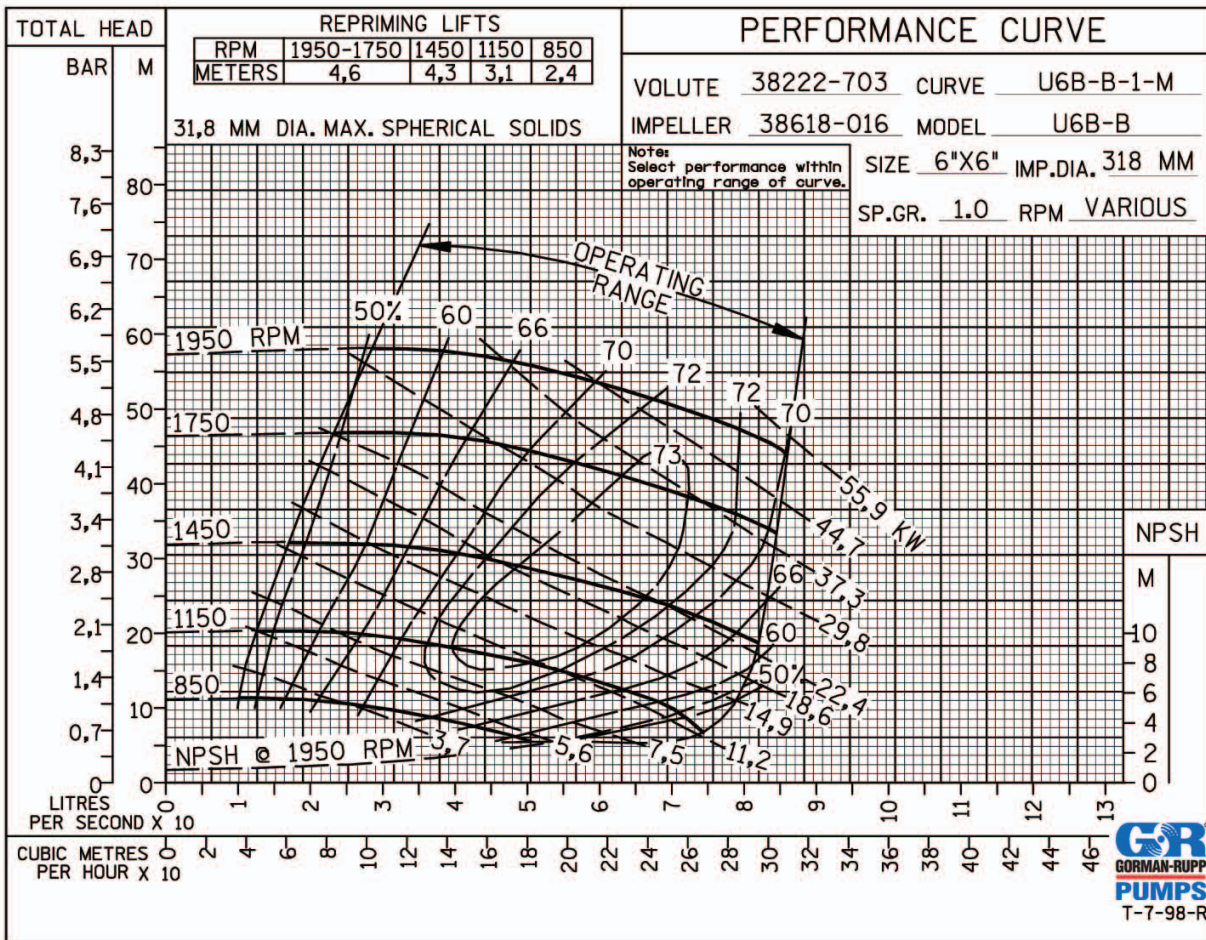
### MODEL U6B - PMB



**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.

\* 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  |
| 55                       | 486 x 965 x 655           | 507         | 250S/M |
| 45                       | 455 x 886 x 609           | 420         | 225S/M |
| 37                       | 455 x 886 x 609           | 392         | 225S/M |
| 30                       | 402 x 405 x 767           | 243         | 200L   |
| 22                       | 360 x 702 x 540           | 198         | 180L   |
| 18,5                     | 360 x 664 x 540           | 180         | 180M   |
| 15                       | 329 x 642 x 424           | 145         | 160L   |
| 11                       | 329 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                        | 222 x 393 x 304           | 44          | 112M   |

## UPDATED PMB FRAME

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

## 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 and for frames 225S/M to 355A/B;
- 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