

# MODEL T4A-SCP



## PUMP SPECIFICATIONS

**Size:** 100 mm x 100 mm DIN 2527 (PN16) Flanged.

**Casing:** Gray Iron 30. Maximum Operating Pressure 6,55 Bar.\*

**Semi-Open Type, Two Vane Impeller:** Ductile Iron 65-45-12. Handles 76,2 mm Diameter Spherical Solids.

**Impeller Shaft:** Alloy Steel 4150.

**Replaceable Wear Plate:** Carbon Steel 1015.

**Removable Adjustable Cover Plate:** Gray Iron 30; 17 kg.

**Seal Plate:** Gray Iron 30.

**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.\*

**Flap Valve:** Neoprene w/Steel Reinforcement.

**Shaft Sleeve:** Alloy Steel 4130.

**Intermediate:** Gray Iron 30.

**Radial Bearing:** Open Single Ball.

**Thrust Bearing:** Open Double Ball.

**Bearing and Seal Cavity Lubrication:** SAE 30 Non-Detergent Oil.

**Flanges:** Gray Iron 30.

**Gaskets:** Buna-N, Compressed Synthetic Fibers, PTFE, Vegetable Fiber, Cork and Red Rubber.

**O-Rings:** Buna-N.

**Hardware:** Standard Plated Steel. Brass Pressure Relief Valve. Bearing and Seal Cavity Oil Level Sight Gauges.

**Models available in different materials:**

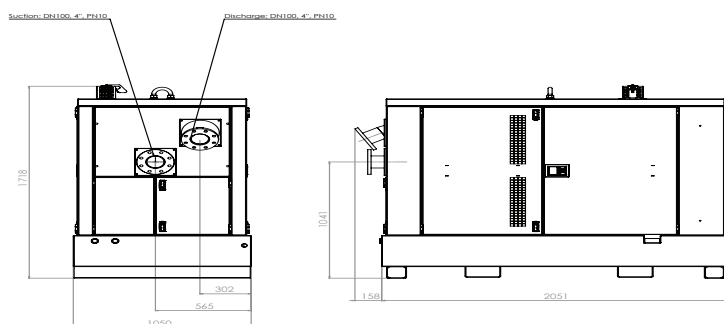
T4A3S-B/FM, T4A60S-B/FM, T4A61S-B/FM, T4A71S-B/FM, T4A75S-B/FM and T4A65S-B/FM\*\*\*.

\* Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.

\*\* See Pump Specification data sheet for the specific seal face material of construction.

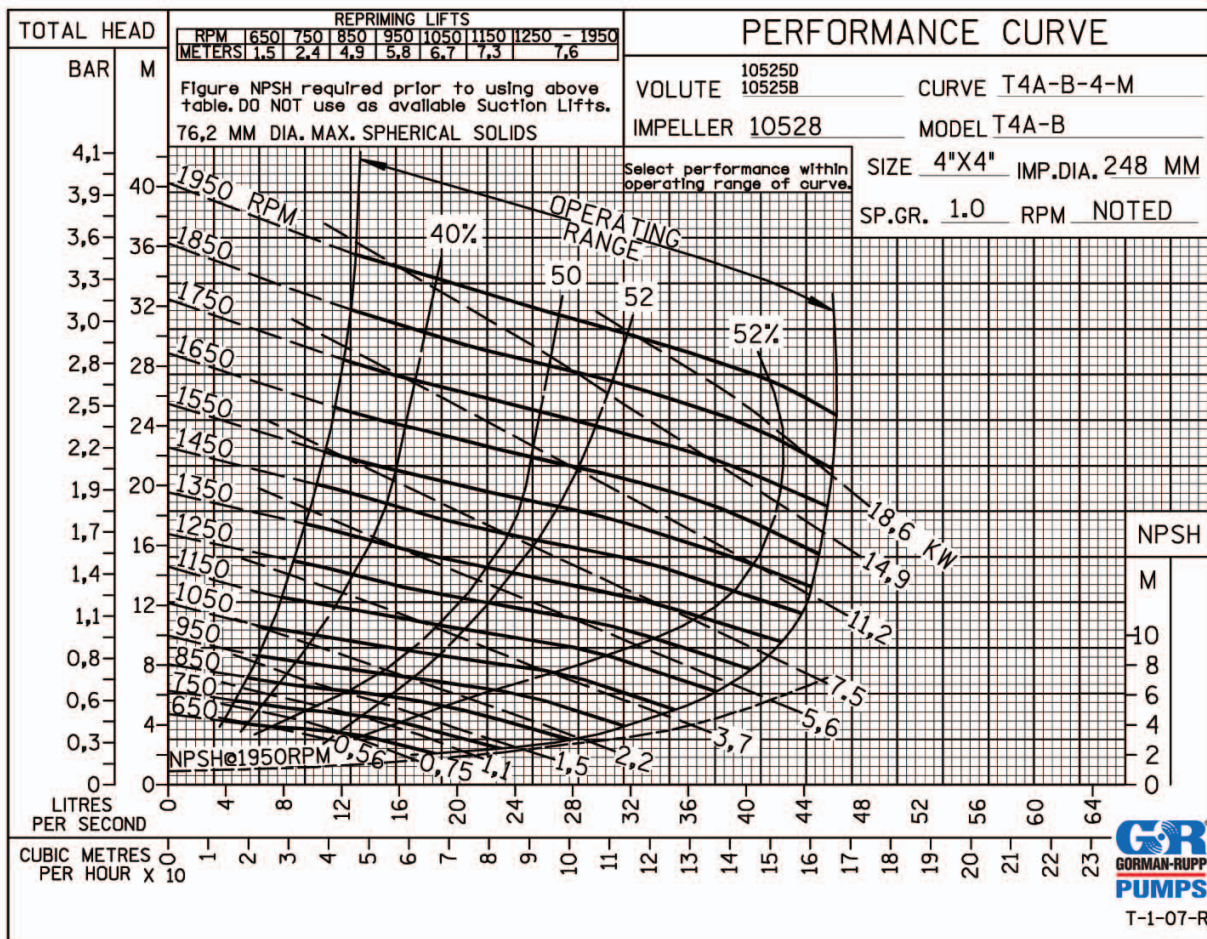
\*\*\* Refer to the Gorman-Rupp specification sheet for details on the available pumps.

## MODEL T4A-SCP



Weight: 1235 kgs

# PERFORMANCE CURVE



## ENGINE DIMENSIONS

Pump will be driven by a reliable and durable 4 cylinder, four stroke, direct or indirect, radiator cooled diesel engine from a well-known engine manufacturer. The engine is designed and chosen for a performance which is in line with requirements of the specific Gorman-Rupp pump. This to maximise the output and engine lifetime whilst minimising fuel consumption. Maximum and minimum rpm are set in the engine controls again fine tuned to the engine-pump combination. Consult Gorman-Rupp about applicable engines.

## FEATURES AND EQUIPMENT

- Heavy duty air cleaner
- Inlet and exhaust manifolds
- Fuel lift pump
- Injection pump(s)
- Fuel filter/agglomerator
- Gear-driven positive displacement type lubricating oil pump
- Spin-on lubricating oil filter
- Low oil pressure switch
- Thermostatically-controlled system with circulation pump and belt-driven pusher fan
- Mounted radiator with full guarding
- High engine temperature switch
- Low coolant level switch (not on all models)
- 12V Starter motor
- 12V Alternator
- 12V Stop solenoid
- Operators' handbook

A worldwide network comprising teams of specialists, strategically planned parts stores and all necessary technical facilities ensure comprehensive, competent and reliable service to all customers.

Engine and pump will be mounted in a high quality and robust soundproof canopy.

### Standard Equipment

Single Point Lift. Lockable Access Doors. Manual/Auto start Engine Control Panel with Display for: Battery voltage, Engine speed, Hours counter and Alarms for low Oil Pressure and high Coolant Temperature. Float Switch (Liquid Level Controller) including Drains. Throttle Control

### Features

- Fully integrated residential exhaust silencer
- Silent exhaust rain cap
- High capacity fully banded fuel tank (min. 24 Hr capacity)
- Oil-water separator
- Steel wire braided fuel lines
- Mechanical fuel gauge
- Large fuel filler cap
- Large access doors
- Key locking compression locks

### Key benefits

- Manufactured from galvanized steel
- Advanced powder coating paint finish to withstand arduous site conditions
- Single piece main roof
- Central lifting facility
- Base frame extends beyond enclosure protecting against handling damage
- Minimal external fixings exposed to environment
- Compact design minimizes transportation costs
- Watertight bodywork ensures protection against ingress of dust and water
- 110% banded (fuel and engine fluids)
- Flame proof oil resistant sound insulation, providing superb noise level retention

### Soundproof Enclosure

(rated to 67 dba at 7m), Zinc Plated/Powder Coated Corrosion Resistant Enclosure, Exhaust Silencer with Rain Cap, 24 Hour Fuel tank, Spill Containment Base w/Integral Drains and Fork Lift Pockets, Locking Doors, Anti Vibration Mounts.

- Forklift pockets
- Anti vibration mounts fitted between base and sub-frame
- Starting battery with leads and terminals
- Single point lifting facility
- "Basic" control panel providing advanced engine monitoring and protection features

- Large lockable doors provide comfortable access for maintenance and prevent unauthorized access to control panel, fuel fill and battery
- Fully integrated exhaust system
- Standard DIN suction and discharge flanges
- Document holder for wiring diagrams and manuals