MODEL T3A-EDP

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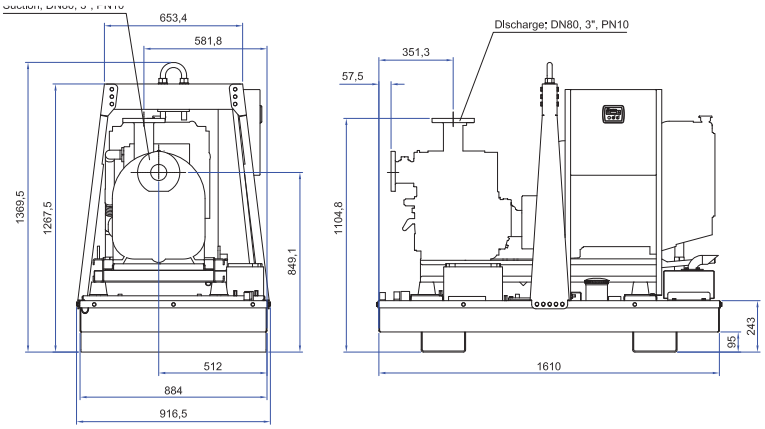

PUMP SPECIFICATIONS

Size: 80 mm x 80 mm DIN 2527 (PN16) Flanged.

Casing: Gray Iron 30. Maximum Operating Pressure 5,93 Bar.*

Semi-Open Type, Two Vane Impeller: Ductile Iron 65-45-12. Handles 63,5 mm Diameter Spherical Solids.

Impeller Shaft: Alloy Steel 4150.

Shaft Sleeve: Alloy Steel 4130.

Seal: Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Tungsten Titanium Carbide or 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.*

Replaceable Wear Plate: Carbon Steel 1015. Removable Adjustable Cover Plate: Gray Iron 30; 16 kg.

Flap Valve: Neoprene w/Nylon and Steel Reinforcing.

Seal Plate: Gray Iron 30.

Bearing Housing: Gray Iron 30.

Radial and Thrust Bearings: Open Single Row Ball.

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

Flanges: Gray Iron 30.

Gaskets: Buna-N w/Compressed Synthetic Fibers, Vegetable Fiber, PTFE, Cork and 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: T3A3S-B/FM, T3A60S-B/FM, T3A61S-B/FM, T3A71S-B/FM, T3A75S-B/FM and T3A65S-B/FM***.

* Consult Gorman-Rupp Europe 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.

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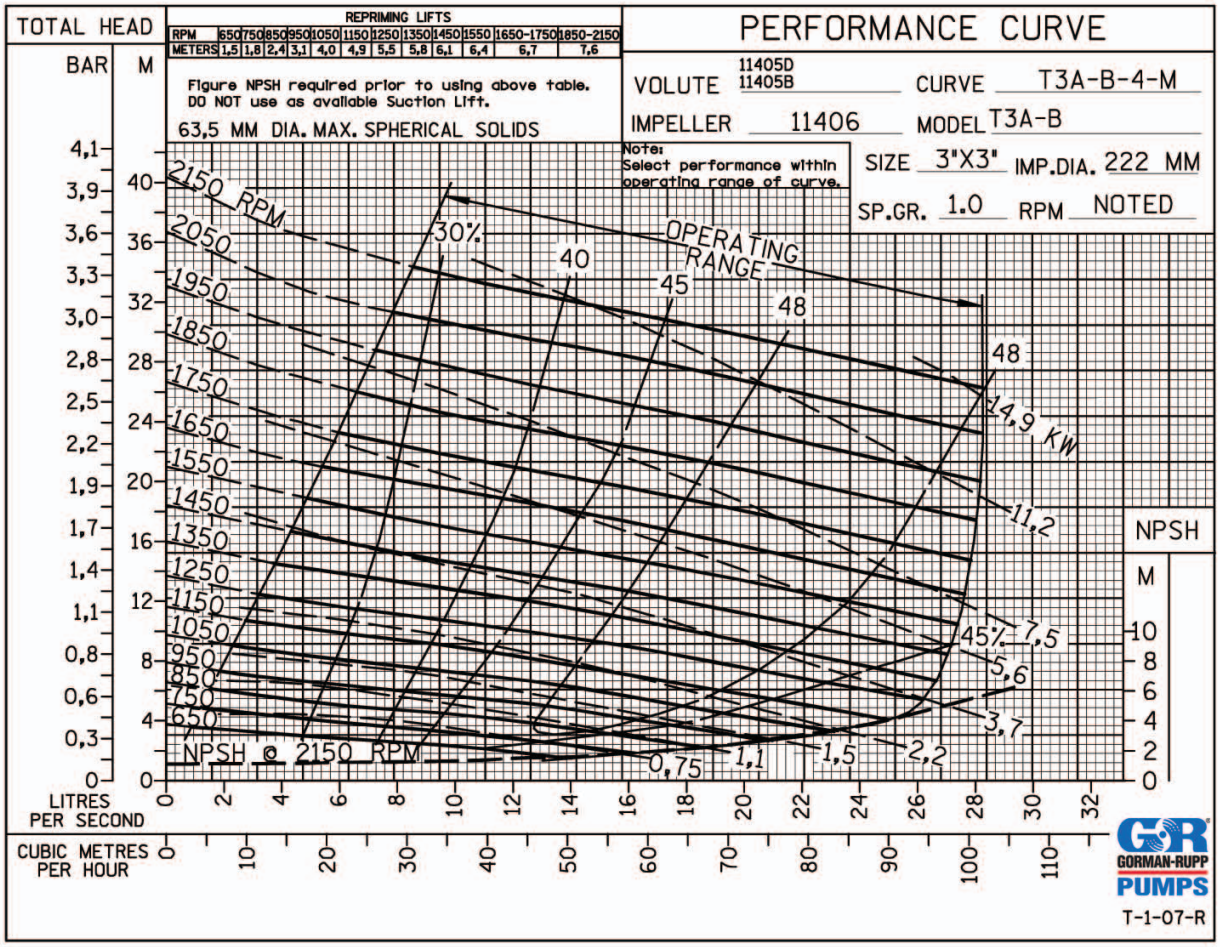
PERFORMANCE CURVE



ENGINE FEATURES

Pump will be driven by a reliable and durable 3 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.

Standard Equipment

Single Point Lift. 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). Throttle Control.

Features

- Fully integrated residential exhaust silencer
- High capacity fully bunded fuel tank (min. 24 Hr capacity)
- Oil-water separator
- Steel wire braided fuel lines
- Mechanical fuel gauge
- Large fuel filler cap
- Spill containment and base with integral drains and 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

Key benefits

- Manufactured from galvanized steel
- Central lifting facility
- Base frame extends beyond enclosure protecting against handling damage
- Minimal external fixings exposed to environment
- Compact design minimizes transportation costs
- 110% bunded (fuel and engine fluids)
- Fully integrated exhaust system
- Prepared for easy fitting of accessories like spark arrestor, air release valve or non-return valve
- Standard DIN suction and discharge flanges
- Document holder for wiring diagrams and manuals

Options

- "Deluxe" control panel which monitors an extensive number of engine parameters and will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS text alerts (with external modem).
- Hot dip galvanized base
- Spark arrestor
- Solar charger
- Galvanized Suction and discharge
- 3 Way Fuel Valve
- Air Release Valve
- Anti-Snore Limit Switch
- Discharge Check Valve
- Self-Cleaning Wear Plate
- G-R Hard Iron or Stainless Steel Impeller and Wear Plate
- Pump Temperature shutdown kit
- 240 V Casing Heater
- Battery Isolator

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GORMAN-RUPP PUMPS