

Radial electric pump

Series 1940XXX

Centralized greasing system » Pumps for centralized lubrication » Electric pumps



Applications

- These types of pumps are perfect for small greases in all types of industrial machinery such as roller conveyors, straighteners or bearings.

Features

- Possibility of different tanks of 10 and 20 kg
- Injectors with adjustable pressure internal check valve
- Body made of cast aluminium L-2560
- Possibility of using oil or grease
- Different level options, visual level, electrical level of maximum, minimum and analog level
- Different electric motors depending on the flow rate and the lubricant chosen 0.09 kW, 0.12 kW and 0.18 kW

Description

Its radial outlet allows, depending on the required flow, to use the three outlets or to place the injector in the desired position and direct the flow in the appropriate direction for each application.

Two tank models are available, 10 and 20 kg with several types of levels depending on whether we greased with oil or grease, are an added value to allow greasing for a long period of time without the need for maintenance.

Design and operating principle

The pumps are designed for intermittent or continuous use.

A gear motor operates an internal cam that operates up to 3 injectors mounted in the external zone. Each injector is equipped with a pressure regulating valve capable of protecting the pump and its components from any excess pressure. It is possible to direct the flow of a second and a third injector towards a single outlet to have a higher flow.

Installation

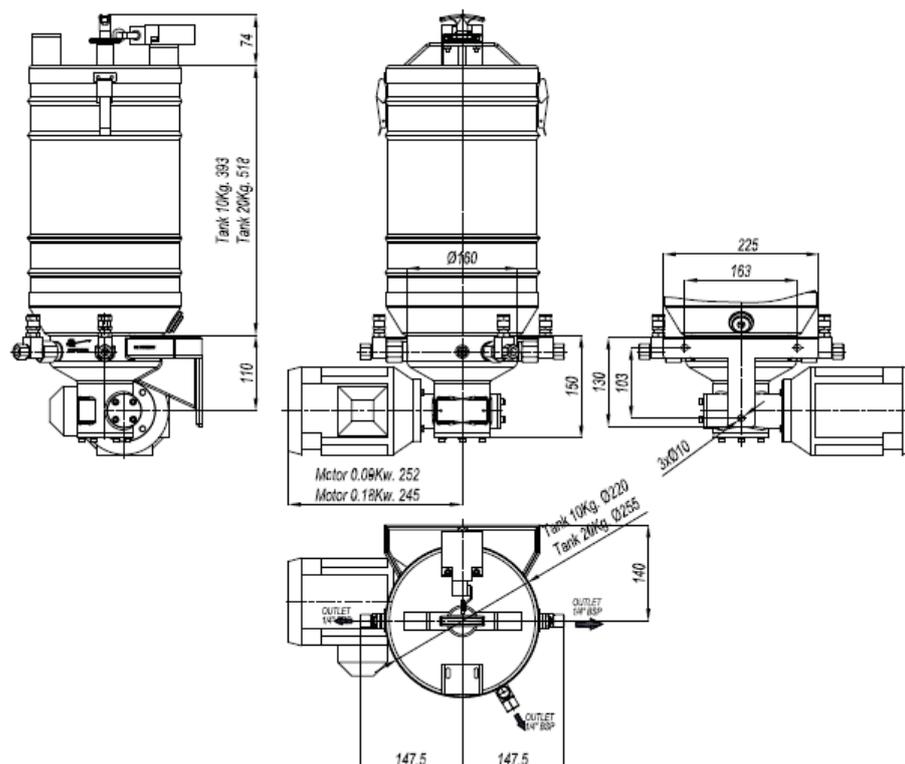
The installation of this pump should be done in a place with enough space for its maintenance. The pump is prepared with two rear screws and we have two mounting systems on site:

- On the wall, we recommended the installation in a protected area free of possible blows away from passageways. In this place we would start the entire installation after the inverters, progressives or dosing valves.
- On a 172XXXXXX type plate, centralizing the pump and the regulation and control systems at the same point, including whether a terminal box or panel is required to also unify the electrical system.



Dimensional drawing

Dimensions in mm



Specifications

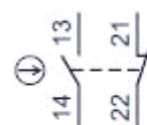
| | |
|------------------------------|----------------------------------|
| N° of outlets | From 1 to 3 |
| Flow rate per injector | 0,6 cm ³ / revolution |
| Recommended working pressure | 180 bar |
| Maximum working pressure | 250 bar |
| Regulation | minimum 100 bar, maximum 250 bar |
| Ratio | 49 / 1 |
| Outlet connection | 1/4" bsp |
| Approximate weight | 28 kg |

Ordering information

| Specifications | Reference | | | |
|----------------------------------|-----------|---|---|----|
| Pump model | 1940 | X | X | X |
| Motor | | | | |
| 0,09 kW - Size 56 - B14 | | 0 | | |
| 0,18 kW - Size 63 - B14 | | 1 | | |
| 0,12 kW - Size 63 - B14 (ATEX) | | 2 | | |
| 0,09 kW - Size 56 - B14 (500 V) | | 3 | | |
| N° of pistons | | | | |
| 1 Piston | | | 1 | |
| 2 Pistons | | | 2 | |
| 3 Pistons | | | 3 | |
| Tank | | | | |
| 10 kg Minimum signal | | | | 1A |
| 20 kg Minimum signal | | | | 2A |
| 10 kg Maximum signal | | | | 1B |
| 20 kg Maximum signal | | | | 2B |
| 10 kg Minimum signal and maximum | | | | 1C |
| 20 kg Minimum signal and maximum | | | | 2C |

Electrical connection diagram and technical data levels:

| | | |
|-----------------------|---|--|
| Contacts | : | 1NC +1NA |
| Electrical protection | : | IP66 s/ EN/INC 60529 IKOS s/ EN 50102 |
| Current | : | AC 15 240 V 3 A ith 10 A |
| Breaking capacity | : | 6 KV to 500 V |
| Cable entry | : | Pg 11 |
| Standard | : | IEC/EN 60947-5-1 |
| Frecuency | : | 50/60 Hz |
| Certifications | : | CCC CSA UL |

XCKM

Bipolar contact
Abrupt break
NC+NA

Accessories

| Specifications | Reference |
|-----------------|------------------------|
| Tank 10 kg | 4111110A |
| Tank 20 kg | 4111120A |
| Position switch | Telemecanique XCK-M115 |