

Parker Product Datasheet



The Parker QPM3 Gerotor Pump is a low pressure pump for high efficiency (up to 10 bar, flow rate from 10 to 80 L/min).

PART NUMBER: 58634050

RATED FLOW (LPM): 40/48 (50/60 Hz)

PRODUCT OVERVIEW

Parker's QPM3 compact, lightweight range of gerotor circulation pump offers high performance, low noise levels and low energy consumption.

The special design of the pressure relief groove ensures low flow pulsations and low noise levels. Double-feed gerotor provides excellent suction ability and dual shaft bearings ensure a long service life. The design of the pressure chambers offers low pressure pulsations and the QPM3 design and material selection make the pump light and compact.

The low pressure QPM3 has a dual shaft bearing and a resilient connection that guarantees safe and secure operation. It conforms to EN 60034-1/IEC 60072 version B34, which allows the use of different makes of electric motors.

Markets:

- Industrial

Features/Benefits:

- Light and compact
- Suitable for many applications

- Cost-efficient and environmentally friendly
- Low noise levels
- Low energy consumption
- High performance
- Maximum suction height 1m.

Applications:

- Circulation of oil in cooling and oil filter systems
- Circulation of oil in industrial hydraulic systems
- Filling and draining of oil in tanks
- Transfer of oil in stationary or mobile oil storage depots.

Function:

The gerotor principle is based on an inner and an outer rotor. The inner rotor has one less tooth than the outer. The inner rotor has its centre-line positioned at a fixed eccentricity from the centre-line of the outer rotor. As the rotors rotate about their own respective axes, oil is drawn into the enlarging chamber. The process occurs constantly for each chamber, providing a smooth pumping action.

A small selection of part numbers have been included however for more options and information please download the QPM3 brochure or contact your local Parker sales office.

Formerly branded as Oiltech and Olaer

TECH SPECIFICATIONS

DIVISION	Hydraulic Actuator Division Europe
MAXIMUM OPERATING PRESSURE	10 bar
FOR FLUID TYPE	Mineral Oils Max. 800 cSt
MEDIA	Synthetic Oils Consult Parker for other fluids.
MEDIA	Vegetable Oils Consult Parker for other fluids.
MEDIA	Mineral Oils Consult Parker for other fluids.
APPLICATION	General Industrial
APPLICATION	Lubrication Systems
APPLICATION	Power Units

LENGTH	480 mm
BODY MATERIAL	Pump Housing/Pump Cover to Aluminum with Anodized surfaces
PRODUCT TYPE	QPM3 40-4-1.5 230/400-50
MATERIALS OF CONSTRUCTION	Shaft/Gerotor to Steel
MATERIALS OF CONSTRUCTION	Body/Cover to Aluminum
WEIGHT	21 kg
SIZE	40
WIDTH	185 mm
HEIGHT	230 mm
MOTOR TYPE	AC 230/400V 50Hz
MOTOR TYPE	3-Phase
MOTOR TYPE	265/460V 60Hz
NOISE LEVEL	66 dBA
MAXIMUM DISPLACEMENT	n/a
MAXIMUM FLOW RATE	40 L/min
PUMP TYPE	Gerotor
MAXIMUM VACUUM FLOW RATE	n/a
PORT SIZE	G 1-1/2 inch Inlet
PORT SIZE	G 1 inch Outlet
MAXIMUM FLUID TEMPERATURE	100 °C
BYPASS OPTION INCLUDED	No Bypass
MOTOR POWER OUTPUT RATING	1.5 kW