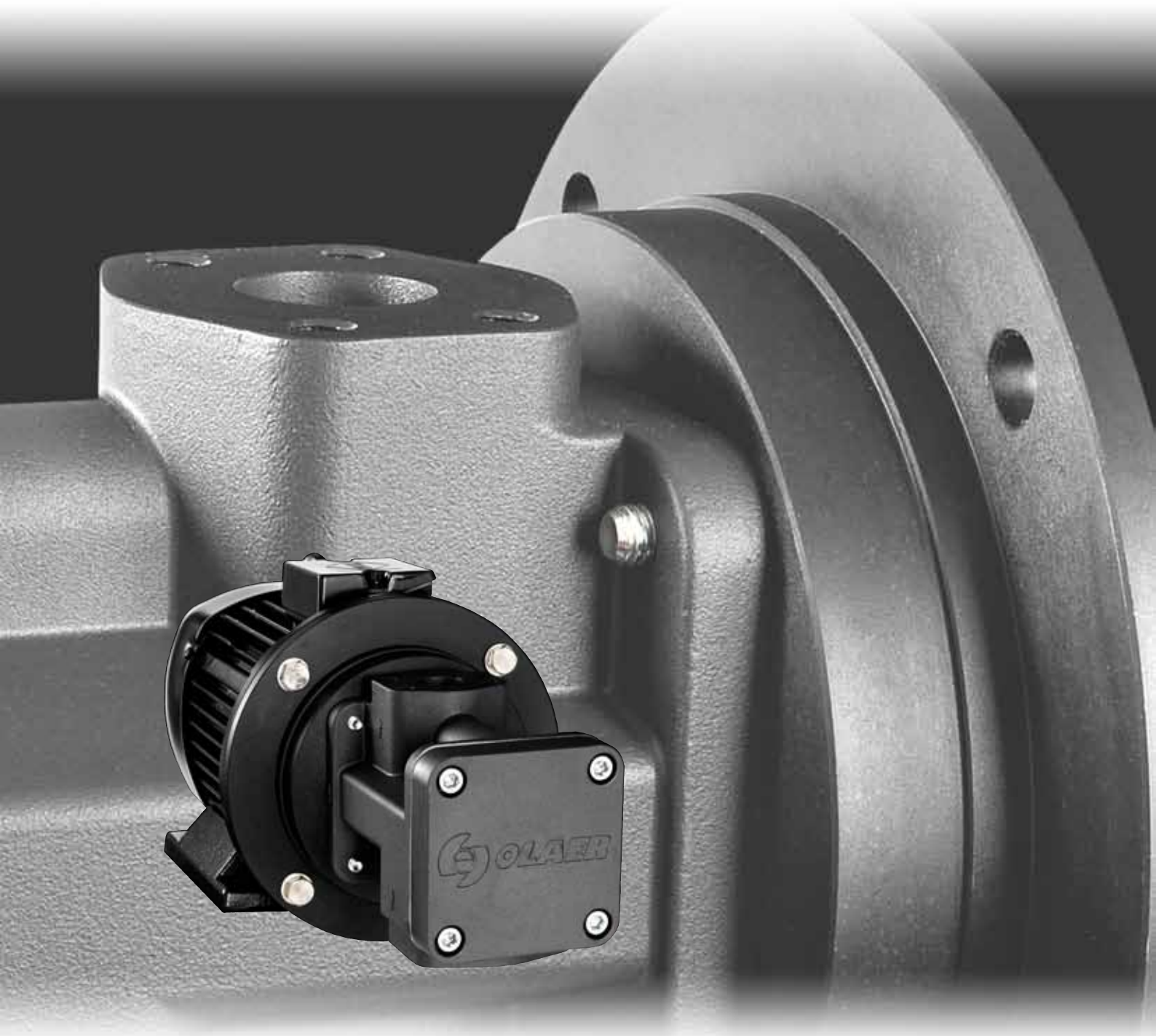




*The Professional Choice*

# OHP

*Screw pump*



OLAER OHP | High Performance Pump



Olaer is a global player specialising in innovative, efficient system solutions for temperature optimisation and energy storage.

All over the world, our products are working in the most diverse environments and applications.

# High Performance

## *and good flexibility*

The OHP type of screw pump is a dependable and economical low pressure pump with smooth operation free from pulsations thus ensuring long service life and quiet operation.

The OHP screw pump can be fitted with a 3 kW - 7.5 kW electrical motor.

### **Operation**

This screw type of rotary pump with axial flow has only three moving parts and can be installed in any position as well as above oil level. The main screw is the only driving part allowing the secondary screws to move. The secondary screws act as sealing parts and are turned hydraulically by the fluid being pumped. There is only a rolling action between the main screw and the secondary screws. The rolling action eliminates noise and vibrations.

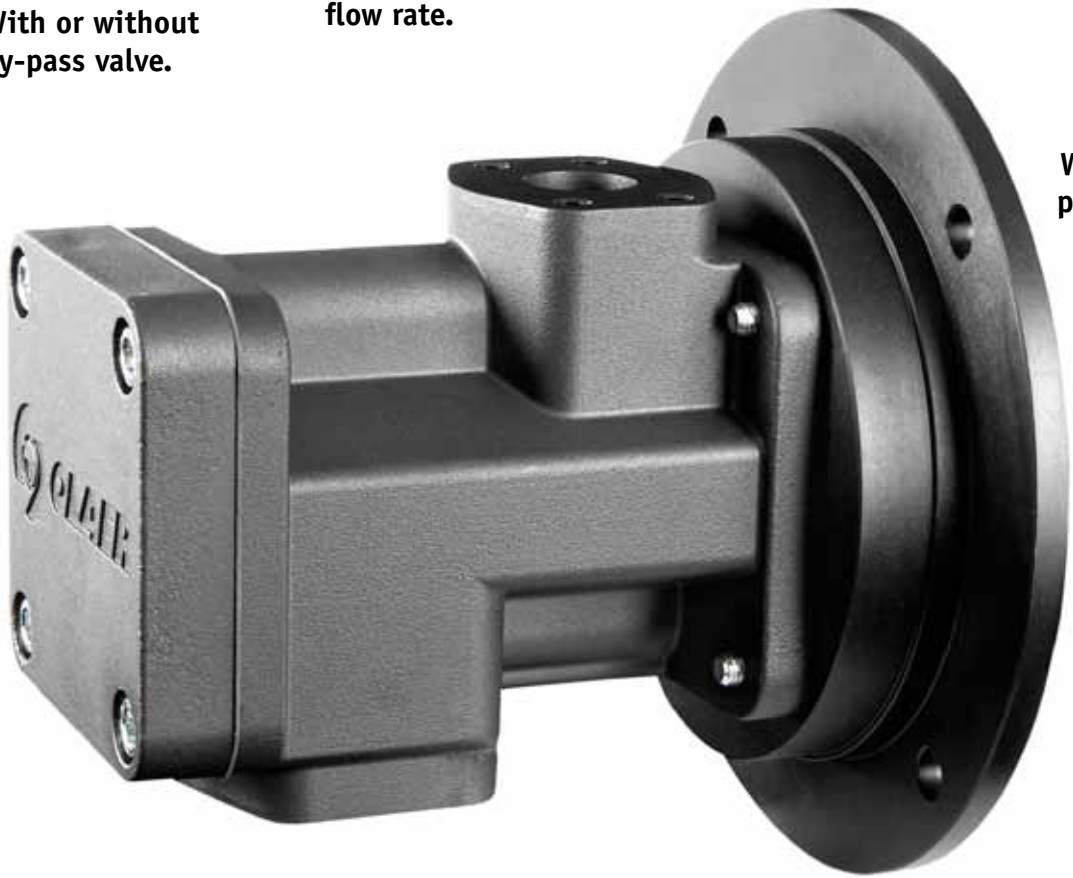
### **The pumps are designed for**

- Lube services (diesel engines, turbines, compressors, gears and gear boxes)
- Oil seal services (compressors, generators)
- Power hydraulics (presses, machine tools, working machines rolling mill, injection moulding machines, dumping equipment, elevators, variable pitch propellers, hydraulic winches)
- Various and special applications for industrial and marine use
- Hydraulic governors
- Refinery and petrochemical services
- Cooling
- Transfer services
- Fuel oil burners

With or without by-pass valve.

The same pump housing size regardless the pump flow rate.

Pump capacity 100 - 190 l/min



Working pressure 20 bar

Compact design with direct coupling.

Designed to work under extreme conditions.

Can be installed in any position as well as above oil level.

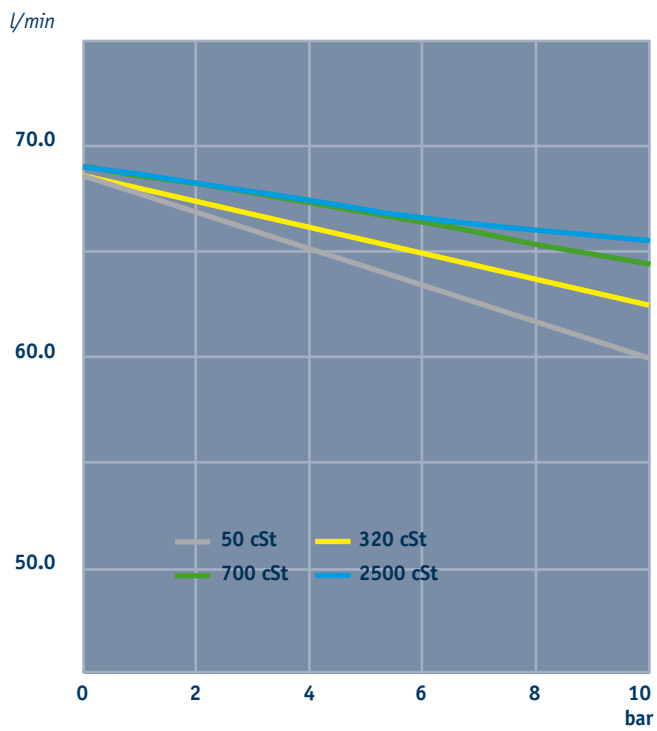
### Olaer range of low pressure pumps

QPM3 type of gerotor pump is available with pump capacity:

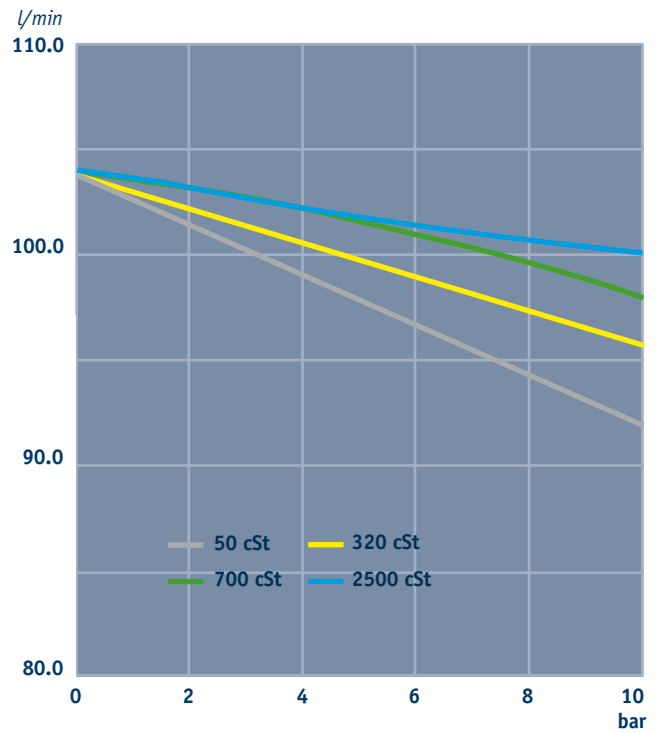
OHP type of screw pump is available with pump capacity:

<b>QPM3-20</b>	<b>QPM3-40</b>	<b>QPM3-60</b>	<b>QPM3-80</b>	<b>OHP 100</b>	<b>OHP 150</b>	<b>OHP 190</b>
20 l/min	40 l/min	60 l/min	80 l/min	100 l/min	150 l/min	190 l/min

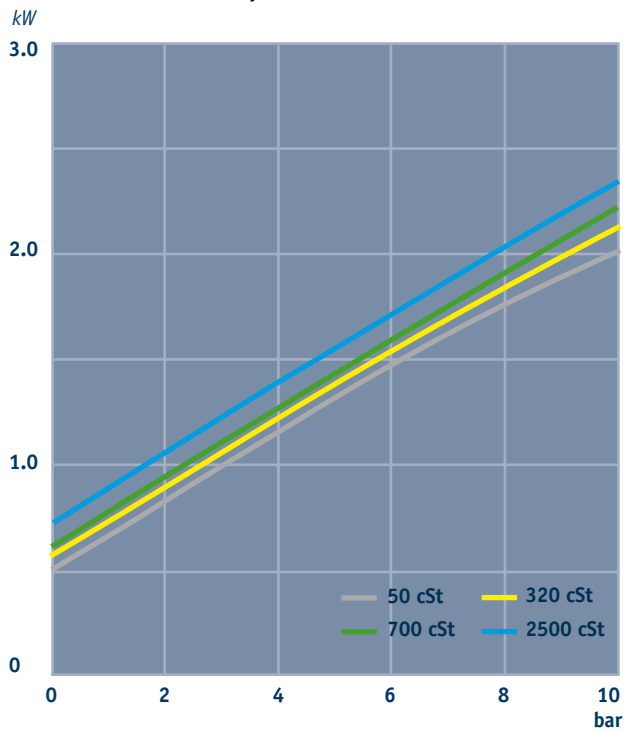
**Flow**  
OHP 100 at 950 rpm



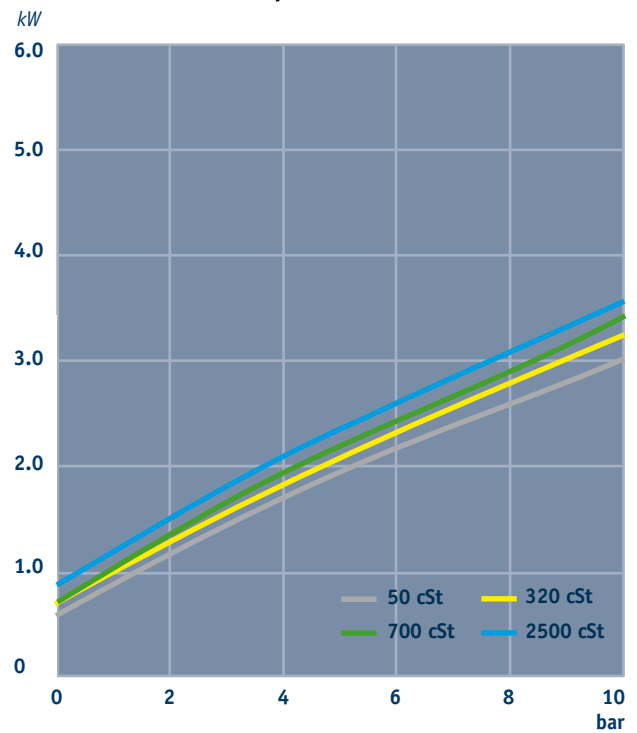
**Flow**  
OHP 100 at 1450 rpm



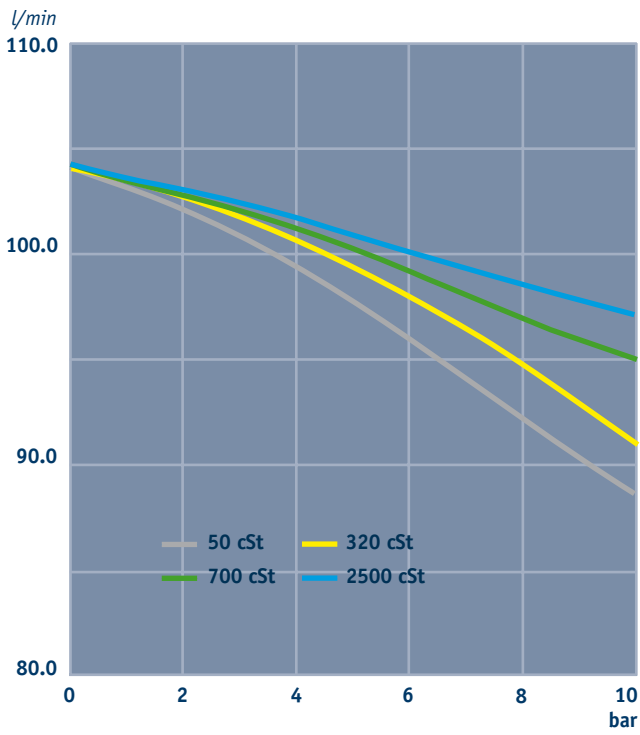
**Power**  
OHP 100 at 950 rpm



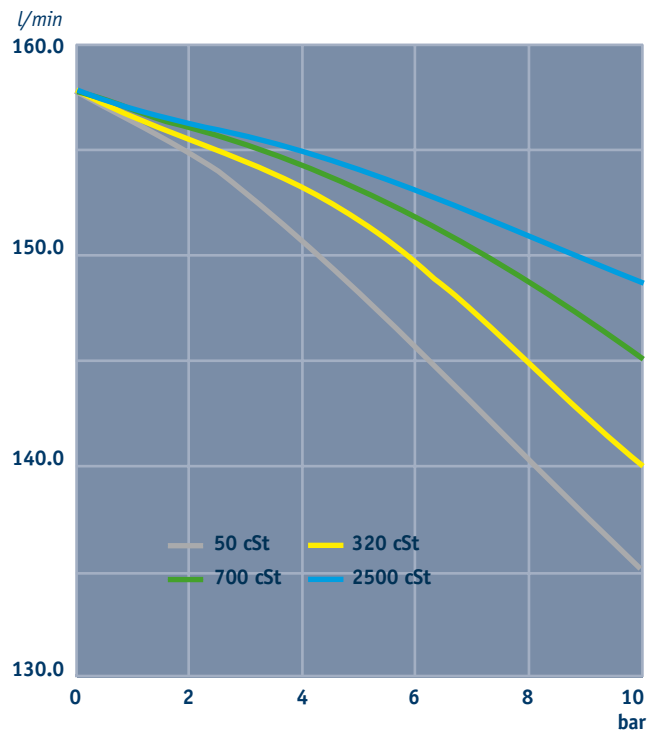
**Power**  
OHP 100 at 1450 rpm



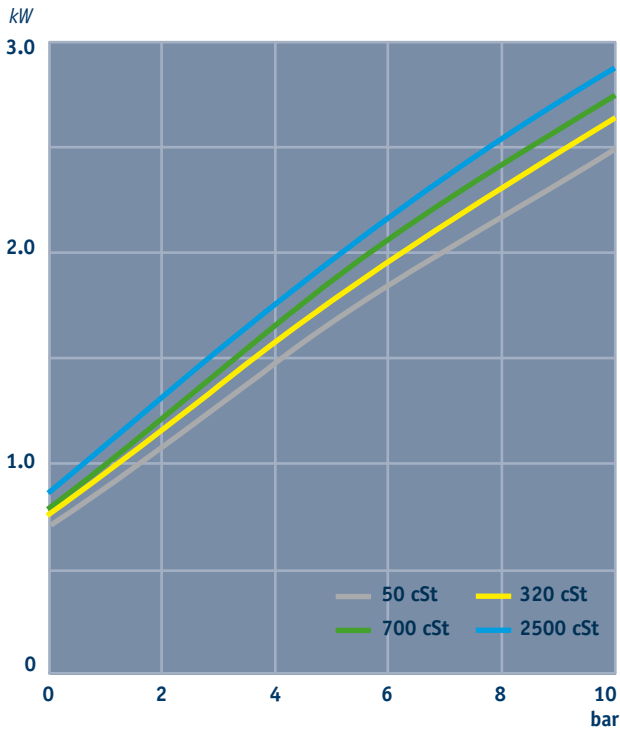
**Flow**  
**OHP 150 at 950 rpm**



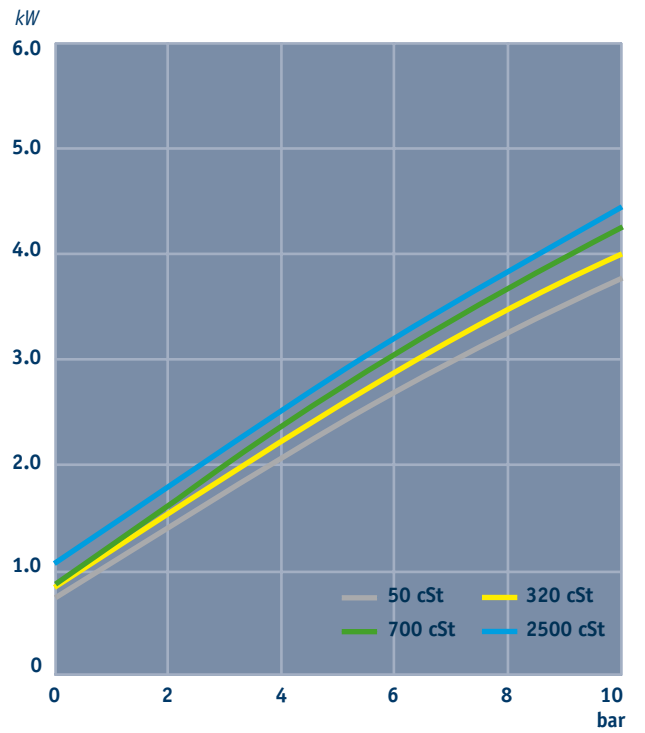
**Flow**  
**OHP 150 at 1450 rpm**



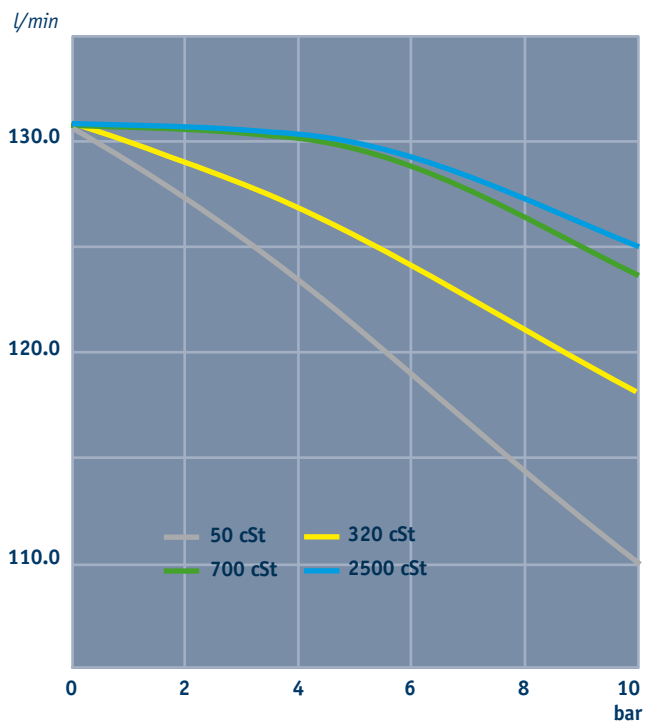
**Power**  
**OHP 150 at 950 rpm**



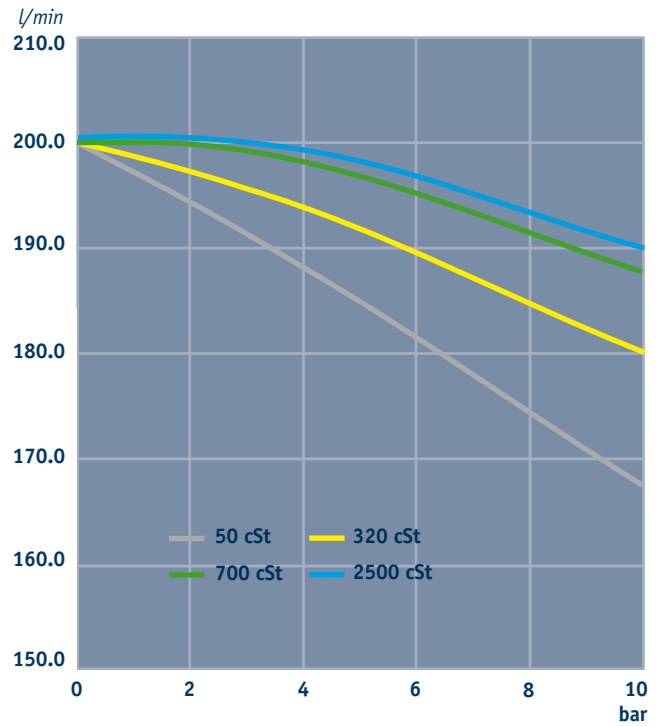
**Power**  
**OHP 150 at 1450 rpm**



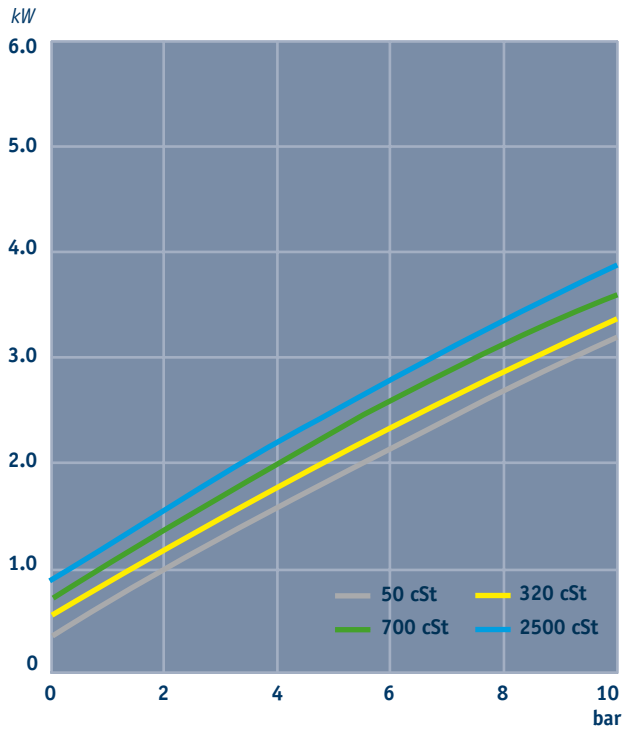
**Flow**  
OHP 190 at 950 rpm



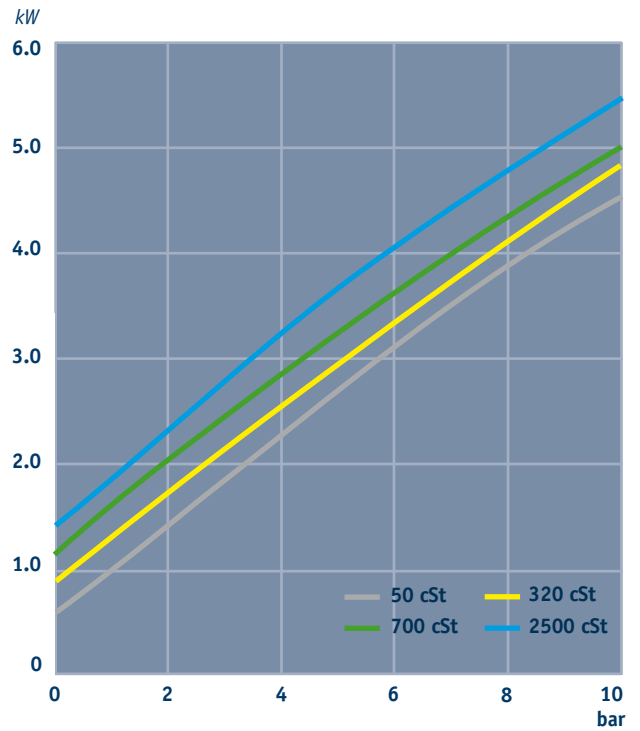
**Flow**  
OHP 190 at 1450 rpm

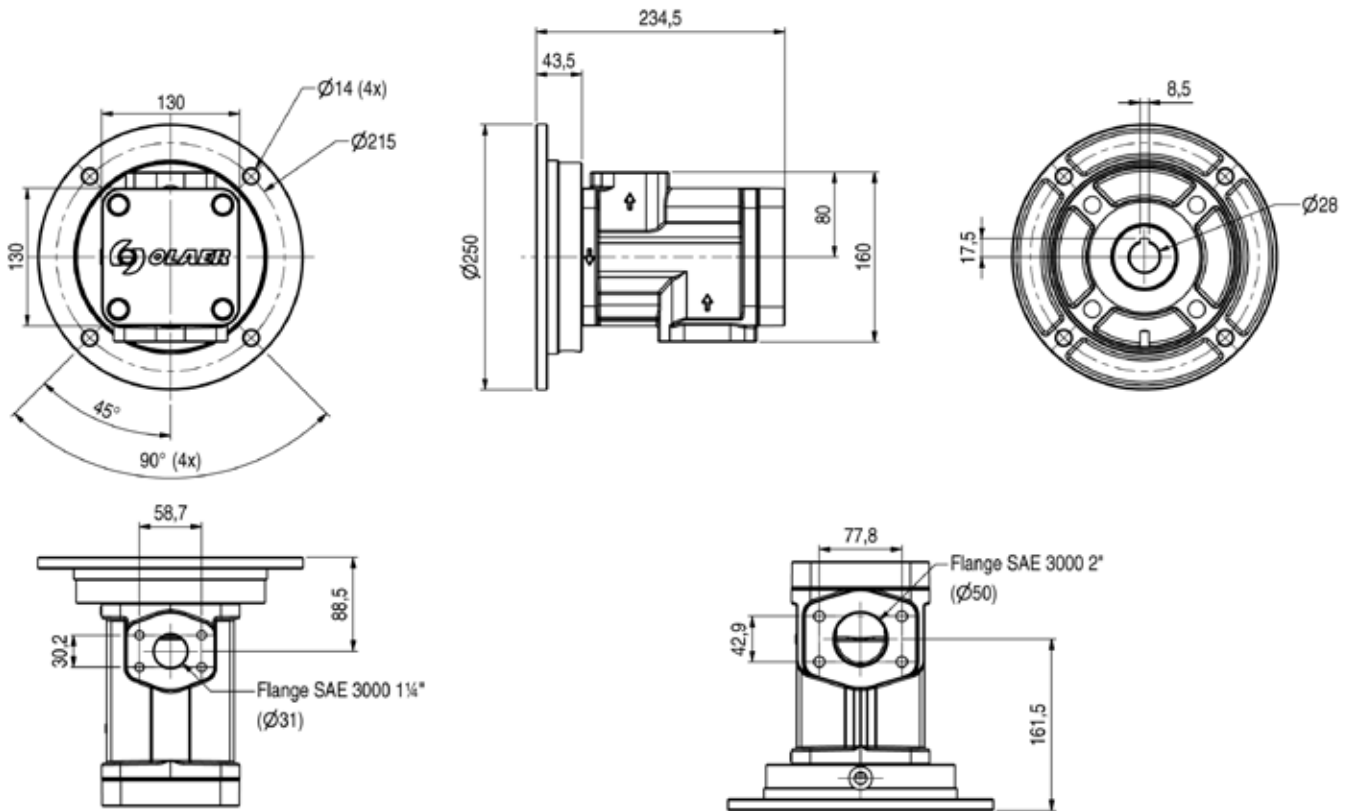


**Power**  
OHP 190 at 950 rpm



**Power**  
OHP 190 at 1450 rpm





## Key for OHP screw pumps

### EXAMPLE:

**OHP - 150 - RF2**

1 2 3

#### 1. TYPE

OHP = Screw type of low pressure pump

#### 2. SIZE

Oil flow with a 4 pole motor at 1500 rpm

100 = 100 l/min

150 = 150 l/min

190 = 190 l/min

#### 3. BYPASS VALVE

0 = without bypass

RF1 = 5 bar

RF2 = 10 bar

RF3 = 15 bar

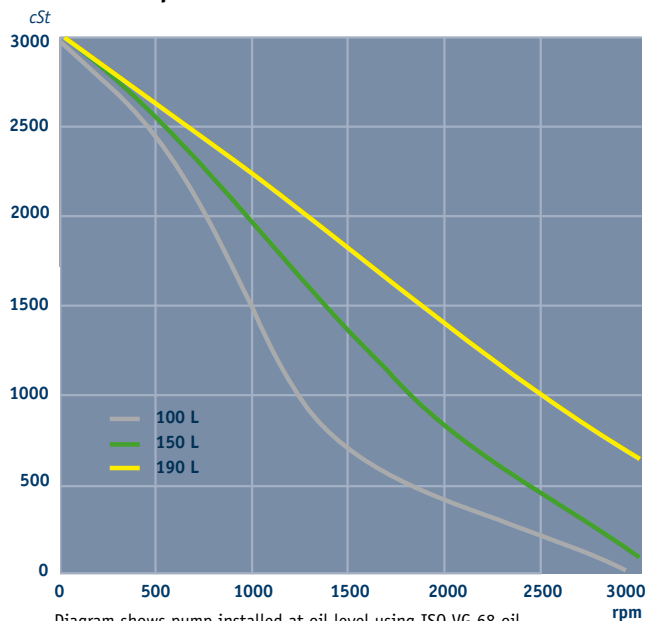
FKM sealing as standard in the pump

Electrical motor size 100/112 or 132 with B3/B5 flange, 3 - 7.5 kW, can be connected to the pump. Other motors are available on request.

The pump is as standard black anodic oxidation treated.

*The Professional Choice*

### OHP Pumps - Cavitation limits



#### Compatible with:

Mineral oils: HLP/HLVP

Environmentally acceptable hydraulic fluids: HETG/HEPG/HEE

Oil/water emulsion - oil minimum 5%: HFA

Water/oil emulsion ≥ 40%: HFB

Water glycol: HFC (water max. 35 - 55%)

Phosphate ester: HFDR

High viscosity lube oil

Synthetic fluids such as MIL-H, SKYDROL, on request.



- in Fluid Energy Management

# Global perspective

*and local entrepreneurial flair*



Olaer is a global player specialising in innovative, efficient system solutions for temperature optimisation and energy storage. Olaer develops, manufactures and markets products and systems for a number of different sectors, e.g. the aircraft, engineering, steel and mining industries, as well as for sectors such as oil and gas, contracting and transport, farming and forestry, renewable energy, etc.

All over the world, our products operate in the most diverse environments and applications. One constantly

repeated demand in the market is for optimal energy storage and temperature optimisation. We work at a local level with a whole world as our workplace – local entrepreneurial flair and a global perspective go hand in hand.

Our local presence, long experience and a wealth of knowledge combine with our cutting-edge expertise to give you the best possible conditions for making a professional choice.