External gear oil pump 70 l/min

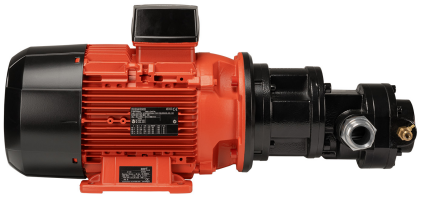
DRST-400 V-3~AC-50 Hz-4 kW



Item number:	23 340 892
EAN:	4048358706133
Discount group:	D

Technical data

Connection suction side:	G 1 1/4" female
Connection discharge side:	G 1 1/4" female



Hydraulic data

Pump design:	external gear pump, self-priming
Input pressure (mbar):	500
Permitted pump input pressure (bar):	-0,5 ... 0,5
Nominal operating point (bar):	10
Max. suction height (m):	5
Direction of rotation:	right
Pumping media:	oils, up to SAE 140
Delivery rate under free discharge (l/min):	70
Operating temperature area (°C):	+10 / +40



Motor data

Voltage (V):	400
Frequency (Hz):	50
Power consumption (A):	7,9
Power (kW):	4
Nominal speed (rpm):	1460
Maximum operating point (bar):	20
Torque (Nm):	26
Safety class:	IP55
Type of construction:	IMB 3

Materials of parts in contact with liquid

Pump housing:	GG25 - 06025
Gearwheel:	34CrAlNi7 – 1.8550
Shaft:	40CrMnMoS8-6 - 1.2312
Slide bearing:	CuSn8 - 2.1030
Seal:	PDFE





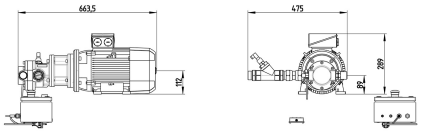
Pressure switch control

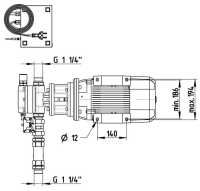
OLED display:	128 x 64 White
Housing material:	aluminium
Dimensions (mm):	95 x 83,5 x 23,5
Operating pressure (bar):	0 ... 40
Connector:	CEE connector / phase inverter
Connecting cable (mm²):	5 x 1,5
Length of connecting cable (m):	2

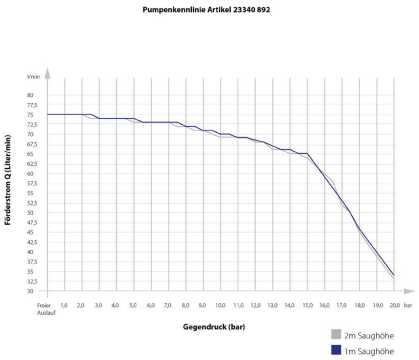
Dimensions LxWxH (mm):	664 x 234 x 289
Weight (kg):	57,5

Specification

- Pressure switch 400 V, 40 bar, 4 kW (23 368)







- Adjustable pressure relief valve
- Integrated venting valve
- Connection between pump shaft and motor shaft by means of flexible claw coupling

Special notes

- Pressure switch control equipped with pump indicator lamp and emergency stop switch
- Manual switch on and switch off are possible on the display and display box
- Automatic switch-on and switch-off adjustable by discharge pressure
- Switch-on and switch-off pressure configurable in steps of 0,1 bar
- Adjustable starting time ensures run-dry protection of the pump
- Pressure reading selectable in bar or psi
- Integrated, adjustable pressure relief valve (bypass valve) for pipe protection
- The rugged pump design with only two housing parts allows simple, quick and efficient maintenance and servicing
- The gearwheels pressed on the shaft are axially and radially supported in the housing and in the cover
- The torque is transmitted by the driving shaft with the driving gearwheel on the driven shaft with the driven gearwheel
- The pumping effect of this gear pump is achieved by means of the opposite rotation of the two gear wheels
- Very compact design
- Exceptional high suction performance
- Pump is suitable for tank and wall mounting
- Pump is designed for use in conjunction with pipe lines up to 70 meters, depending on cross section of pipe line

Packaging

Packing unit: 1,0