

AQUA ENERGY DL HIGH PRESSURE

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INDUSTRIAL PLUNGER PUMP



PUMP SPECIFICATIONS

Rated Horsepower -----180
Number of cylinders -----3
Plunger Stroke -----mm90

Oil Capacity -----lt 14
Plunger Load ----- 3,045Kg
Pump Weight -----Kg 380

FLUID END

FLUID HEAD - Special high resistance stainless steel.

VALVES & SEATS – Valves made in stainless steel and bronze seats.

PLUNGERS - Solid ceramic plungers.

PACKING – Pressure Packing internal cooling system.
Double pressure packings

LUBRICATION - Plungers and Packing lubricated by water supply with water spill venting.

POWER END

POWER FRAME - High strength cast iron.

CRANKSHAFT - Hardened and tempered alloy steel.

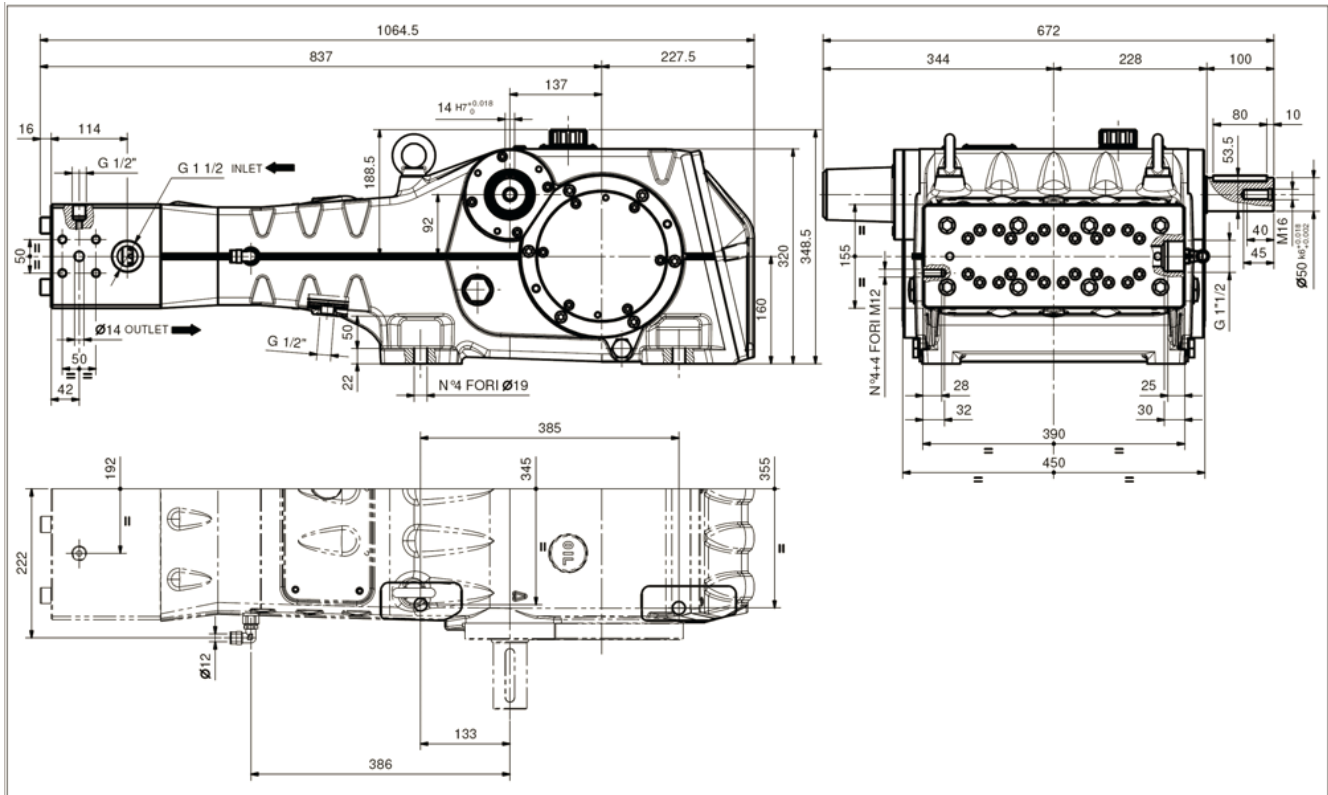
CRANKSHAFT BEARINGS - Double roller rim.

CONNECTING RODS - Surface treated spheroidal cast Iron.

REDUCTION GEAR - Internal 3.389:1 or 2.95: 1 reduction ratio gear from either side of pump.

LUBRICATION – Power end parts and gearbox are splash lubricated by oil in crankshaft reservoir.

DL-180 SERIES



DL-180 PUMP:

Maximum design pressure: **1,500 bar** (21,750 psi)
 Maximum inlet pressure: **7 bar** (101.50 psi)
 Minimum inlet pressure: **5 bar** (72.50 psi)

Standard connections: Inlet ----- G 1-1/2"
 Discharge ----- G 3/4"

Table of pump versions:

Model	A. 1800 RPM (ratio 1:3.389)						B. 1500 RPM (ratio 1:2.95)					
	Volume		Pressure		Power		Volume		Pressure		Power	
	l/min	Gpm	Bar	Psi	Kw	Hp	l/min	Gpm	Bar	Psi	Kw	Hp
DL 13	24.00	06.31	2758	40,000	130	174	24.00	06.31	2758	40,000	130	174
DL 20	44.00	11.60	1500	21750	130	175	43.00	11.30	1500	20300	123	160
DL 22	53.00	14.00	1300	18850	135	181	52.00	13.70	1300	18850	129	176
DL 24	63.00	16.60	1110	15950	135	182	62.00	16.30	1100	15950	132	180
DL 26	74.00	19.60	900	13050	127	170	73.00	19.60	900	11600	127	173
DL 28	86.00	22.70	800	11600	132	179	84.00	22.30	800	11600	128	175
DL 30	100.00	26.31	700	10150	136	183	96.00	25.60	700	8700	128	175

A. Rated crankshaft speed 516 rpm

B. Rated crankshaft speed 508 rpm

Performance refers to theoretical delivery with 100% volumetric efficiency.

Under normal operating conditions, pump volumetric efficiency is over 95%.

Please contact our technical staff in case continuous and heavy-duty, or special applications.

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