

AQUA ENERGY DL HIGH PRESSURE

AQUA ENERGY INTERNATIONAL LTD

28 St James Business Centre, Linwood Road

Paisley PA3 3AT

Scotland, UK

Tel: (+44) (0) 141 849 6888

Fax: (+44) (0) 141 848 5777

E-mail: sales@aquaenergy.com

www.aquaenergy.com

INDUSTRIAL PLUNGER PUMP



PUMP SPECIFICATIONS

Rated Horsepower -----106
Number of cylinders -----3
Plunger Stroke -----mm70

Oil Capacity ----- lt 9
Inlet Pressure ----- 3bar
Pump Weight ----- Kg 260

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-100 SERIES

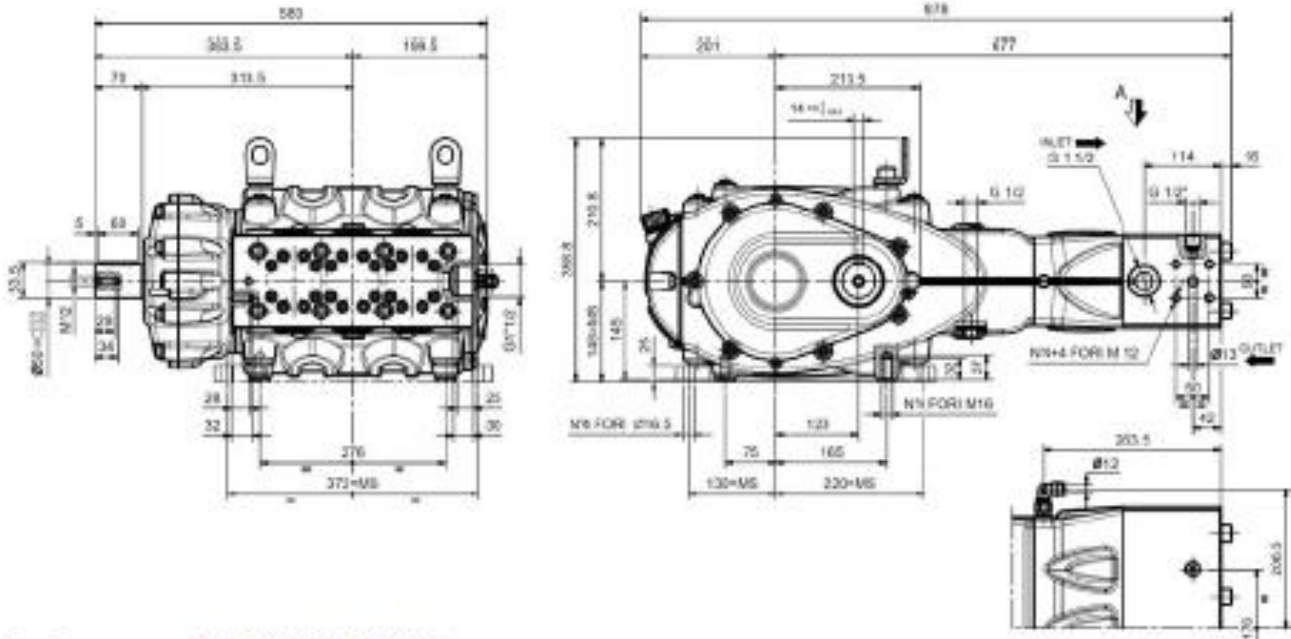


fig. 2 Dry weight - 260 Kg

DL-100 PUMP:

Maximum design pressure: **1,500 bar** (21,750 psi)

Maximum inlet pressure: **3 bar** (43.50 psi)

Minimum inlet pressure: **2 bar** (29.00 psi)

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

Table of pump versions:

Model	A. 1500 RPM (ratio 1:1,875 rpm)		B. 1800 RPM (ratio 1:2,238)				C. 2200 rpm (ratio 1:2,722)					
	Volume		Pressure		Power		Volume		Pressure		Power	
	l/min	Gpm	Bar	Psi	Kw	Hp	l/min	Gpm	Bar	Psi	Kw	Hp
DL 14	26.00	06.80	1500	21,750	74.5	101						
DL 16	34.00	09.00	1200	17,400	77.9	106						
DL 18	43.00	11.40	900	13,000	74.5	101						
DL 20	53.00	13.90	750	10,900	75.9	103						
DL 22	64.00	16.90	600	8,700	75.0	100						
DL 24	76.00	20.00	500	7,250	72.6	99						

A. Rated crankshaft speed 800 rpm

B. Rated crankshaft speed 804 rpm

C. Rated crankshaft speed 808 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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