

ELRO Peristaltic Pumps Type IP 800

Recommended motor size and torque

	0-2 bar	>2-4 bar	>4-6 bar	>6-8 bar	>8-10 bar	>10-12 bar	13 bar
10 RPM	4,0 kW 650 Nm	4,0 kW 980 Nm	5,5 kW 1310 Nm	7,5 kW 1620 Nm	11,0 kW 2080 Nm	11,0 kW 2410 Nm	11,0 kW 2630 Nm
20 RPM	4,0 kW 590 Nm	5,5 kW 950 Nm	7,5 kW 1290 Nm	7,5 kW 1610 Nm	11,0 kW 2040 Nm	11,0 kW 2380 Nm	11,0 kW 2650 Nm
30 RPM	4,0 kW 580 Nm	5,5 kW 950 Nm	7,5 kW 1270 Nm	7,5 kW 1620 Nm	11,0 kW 2020 Nm	11,0 kW 2300 Nm	11,0 kW 2550 Nm
40 RPM	4,0 kW 600 Nm	5,5 kW 930 Nm	7,5 kW 1240 Nm	7,5 kW 1580 Nm	11,0 kW 1970 Nm	11,0 kW 2240 Nm	11,0 kW 2500 Nm
50 RPM	4,0 kW 580 Nm	5,5 kW 910 Nm	7,5 kW 1220 Nm	9,2 kW 1540 Nm	11,0 kW 1920 Nm	15,0 kW 2200 Nm	15,0 kW 2460 Nm
60 RPM	5,5 kW 600 Nm	7,5 kW 900 Nm	11,0 kW 1190 Nm	11,0 kW 1580 Nm	15,0 kW 1900 Nm	15,0 kW 2190 Nm	18,5 kW 2460 Nm
Continuous use 24 hr		Intermittent use Max 12 hr			Short time use Max 4 hr		

All data are based on pumping water at a temperature of 20° C.

Rotor diameter

Pressure	Diameter*
0 - 2 bar	722 mm
>2 - 4 bar	724 mm
>4 - 6 bar	725 mm
>6 - 8 bar	727 mm
>8 - 10 bar	728 mm
>10 - 13 bar	730 mm

* Also for full layer hoses

Hose materials available

Standard	Full layer
Butyl (IIR)	
EPDM (EPDM)	
Hypalon (CSM)	
Natural rubber: ▪ techn. ▪ food approved	Natural rubber
Nitrile (NBR)	Nitrile
Nitrile electr. conductive (NBR E)	

Hose dimension

$\varnothing_j = 70 \text{ mm}$	$\varnothing_a = 110 \text{ mm}$	length = 2100 mm
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Lubrication capacities

Pump speed	Öil capacity
0 - 30 RPM	35 Liter
30 - 45 RPM	30 Liter
30 - 60 RPM	25 Liter

Recommended lubricants

Silikonöl AK 350	Wacker Chemie, Burghausen
Glyzerin DAB 10 / 99,5%	Chemie Vertrieb Brenntag, Hannover