

ELRO Peristaltic Pumps Type IP 500

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	1,5 kW 535 Nm	1,5 kW 740 Nm	2,2 kW 1080 Nm	2,2 kW 1100 Nm	3,0 kW 1470 Nm	3,0 kW 1480 Nm	4,0 kW 1980 Nm
20 RPM	1,1 kW 525 Nm	1,5 kW 715 Nm	2,2 kW 1050 Nm	2,2 kW 1050 Nm	3,0 kW 1430 Nm	3,0 kW 1430 Nm	4,0 kW 1910 Nm
30 RPM	1,1 kW 350 Nm	2,2 kW 700 Nm	2,2 kW 700 Nm	3,0 kW 955 Nm	4,0 kW 1270 Nm	4,0 kW 1270 Nm	4,0 kW 1270 Nm
40 RPM	1,5 kW 360 Nm	2,2 kW 525 Nm	3,0 kW 720 Nm	4,0 kW 955 Nm	5,5 kW 1190 Nm	5,5 kW 1190 Nm	5,5 kW 1190 Nm
50 RPM	2,2 kW 420 Nm	3,0 kW 570 Nm	3,0 kW 570 Nm	4,0 kW 765 Nm	5,5 kW 1050 Nm	7,5 kW 1430 Nm	7,5 kW 1430 Nm
60 RPM	2,2 kW 350 Nm	3,0 kW 470 Nm	4,0 kW 630 Nm	5,5 kW 870 Nm	7,5 kW 1190 Nm	7,5 kW 1190 Nm	9,2 kW 1460 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	29 mm
>2 - 4 bar	29 mm
>4 - 6 bar	28 mm
>6 - 8 bar	27 mm
>8 - 10 bar	26 mm
>10 - 13 bar	25 mm

* Also for full layer hoses

Hose materials available

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

Hose dimension

$\varnothing i = 52 \text{ mm}$	$\varnothing a = 84 \text{ mm}$	Länge = 1640 mm
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Lubricant capacities

Pump speed	Öil capacity
0 - 30 RPM	17 Liter
30 - 45 RPM	15 Liter
45 - 60 RPM	14 Liter

Recommended lubricants

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

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