

ELRO Peristaltic Pumps Type IP 400

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
20 RPM	1,5 kW 195 Nm	1,5 kW 360 Nm	2,2 kW 440 Nm	3,0 kW 535 Nm	3,0 kW 610 Nm	3,0 kW 700 Nm	4,0 kW 810 Nm
30 RPM	1,5 kW 190 Nm	1,5 kW 350 Nm	2,2 kW 430 Nm	3,0 kW 530 Nm	3,0 kW 600 Nm	3,0 kW 690 Nm	4,0 kW 790 Nm
40 RPM	1,5 kW 180 Nm	1,5 kW 340 Nm	2,2 kW 420 Nm	3,0 kW 500 Nm	3,0 kW 600 Nm	3,0 kW 690 Nm	4,0 kW 785 Nm
50 RPM	1,5 kW 170 Nm	2,2 kW 330 Nm	3,0 kW 410 Nm	3,0 kW 500 Nm	4,0 kW 600 Nm	4,0 kW 680 Nm	5,5 kW 770 Nm
60 RPM	1,5 kW 170 Nm	3,0 kW 320 Nm	3,0 kW 410 Nm	4,0 kW 500 Nm	4,0 kW 580 Nm	5,5 kW 670 Nm	5,5 kW 770 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	338 mm
>2 - 4 bar	339 mm
>4 - 6 bar	340 mm
>6 - 8 bar	341 mm
>8 - 10 bar	342 mm
>10 - 13 bar	343 mm

* Also for full layer hoses

Hose materials available

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

Hose dimension

$\varnothing_i = 50 \text{ mm}$	$\varnothing_a = 82 \text{ mm}$	Länge = 1050 mm
---------------------------------	---------------------------------	-----------------

Lubrication capacities

Pump speed	Öil capacity
0 - 30 RPM	7,5 Liter
30 - 45 RPM	7,0 Liter
45 - 60 RPM	6,0 Liter

Recommended lubricants

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

CRANE®