

ELRO Peristaltic Pumps Type IP 100

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
30 RPM	0,37 kW 48 Nm	0,37 kW 52 Nm	0,37 kW 61 Nm	0,37 kW 65 Nm	0,55 kW 72 Nm	-	-
40 RPM	0,37 kW 45 Nm	0,37 kW 50 Nm	0,37 kW 58 Nm	0,55 kW 64 Nm	0,75 kW 70 Nm	-	-
60 RPM	0,37 kW 42 Nm	0,37 kW 48 Nm	0,55 kW 55 Nm	0,75 kW 61 Nm	0,75 kW 65 Nm	-	-
80 RPM	0,55 kW 40 Nm	0,55 kW 46 Nm	0,75 kW 53 Nm	0,75 kW 58 Nm	0,75 kW 63 Nm	-	-
100 RPM	0,55 kW 36 Nm	0,75 kW 43 Nm	0,75 kW 50 Nm	0,75 kW 56 Nm	1,1 kW 61 Nm	-	-
120 RPM	0,75 kW 33 Nm	0,75 kW 40 Nm	0,75 kW 48 Nm	1,1 kW 53 Nm	1,1 kW 58 Nm	-	-
140 RPM	0,75 kW 32 Nm	0,75 kW 38 Nm	0,75 kW 47 Nm	1,1 kW 50 Nm	1,1 kW 55 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	153 mm
>2 - 4 bar	153 mm
>4 - 6 bar	156 mm
>6 - 8 bar	156 mm
>8 - 10 bar	160 mm

* Also for full layer hoses

Hose Material Options

Standard	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

$\varnothing_i = 15 \text{ mm}$	$\varnothing_a = 41 \text{ mm}$	Länge = 570 mm
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Lubrication capacities

Pump speed	Oil capacity
0 - 30 RPM	1,00 Liter
30 - 100 RPM	0,75 Liter
100 - 140 RPM	0,50 Liter

Recommended lubricants

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