

ELRO Peristaltic Pumps Type IP 200

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 47 Nm	0,37 kW 59 Nm	0,37 kW 70 Nm	0,55 kW 82 Nm	0,75 kW 94 Nm	1,1 kW 110 Nm	1,1 kW 120 Nm
40 RPM	0,37 kW 45 Nm	0,37 kW 57 Nm	0,37 kW 68 Nm	0,55 kW 80 Nm	0,75 kW 93 Nm	1,1 kW 107 Nm	1,1 kW 118 Nm
60 RPM	0,37 kW 45 Nm	0,37 kW 55 Nm	0,55 kW 65 Nm	0,75 kW 76 Nm	1,1 kW 89 Nm	1,1 kW 102 Nm	1,1 kW 115 Nm
80 RPM	0,55 kW 40 Nm	0,55 kW 50 Nm	0,75 kW 62 Nm	1,1 kW 75 Nm	1,1 kW 85 Nm	1,1 kW 100 Nm	1,1 kW 113 Nm
100 RPM	0,55 kW 39 Nm	0,75 kW 47 Nm	0,75 kW 60 Nm	1,1 kW 72 Nm	1,1 kW 83 Nm	1,1 kW 96 Nm	1,5 kW 110 Nm
120 RPM	0,75 kW 36 Nm	0,75 kW 45 Nm	1,1 kW 56 Nm	1,1 kW 66 Nm	1,1 kW 80 Nm	1,1 kW 92 Nm	1,5 kW 102 Nm
140 RPM	0,75 kW 36 Nm	0,75 kW 43 Nm	1,1 kW 52 Nm	1,1 kW 63 Nm	1,5 kW 78 Nm	1,5 kW 90 Nm	1,5 kW 96 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	154 mm
>2 - 4 bar	154 mm
>4 - 6 bar	156 mm
>6 - 8 bar	158 mm
>8 - 10 bar	158 mm
>10 - 13 bar	160 mm

* Also for full layer hoses

Hose materials available

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

$\varnothing_i = 30 \text{ mm}$	$\varnothing_a = 54 \text{ mm}$	Länge = 550 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

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