

SMH80S-0100-30AA



Small inertia servo motors of 750W and 1000W rated power, 3000rpm speed, 80mm flange, 6 poles, 2500ppr incremental encoder

Rating: Not Rated Yet

Price

Sales price without tax 484,00 €

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Manufacturer[ELCON | Systems & Components](#)

Description	Motor Series	Small Inertia, Flange Size 80mm	
	Model	SMH80S-0075-30AAK-3LKX	SMH80S-0100-30AAK-3LKX
	Compatible Driver	CD420-0075-0039-AA-000	CD430-0100-0063-AA-000
	DC Link Voltage UDC	300	300
	Continuous Power PN (W)	750	1000
	Performance Torque TN (Nm)	2.39	3.18
	Rated Speed nN(rpm)	3000	3000
	Rated Current IN (A)	3.9	6.3

Maximum Torque T _m (Nm)	7.17	9.48
Maximum Current I _m (A)	11.7	18.9
Standstill Torque T _S (Nm)	2.63	3.3
Standstill Current I _S (A)	4.4	6.93
Resistance Line-Line R _L (?)	1.4	0.86
Inductance Line-Line L _L (mH)	7.5	4.5
Electrical Time Constant ? _e (ms)	5.35	5.23
Mechanical Time Constant ? _m (ms)	0.75	0.89
Reverse Voltage Constant K _e (V/krpm)	40	34
Torque Constant K _t (Nm/A)	0.662	0.562
Rotor Moment of Inertia J _m (Kg·cm ²)	1.36	1.9
Pole Pair Number	3	3
Maximum Voltage Rising du/dt (KV/?s)	8	8
Insulation Class	F	F
Maximum Radial Force F _r (N)	335	335
Maximum Axial Force F _a (N)	167.5	167.5
Weight G(Kg)	3.3	3.9
Length of Motor L(mm)	147	167
Position Feedback Device	Incremental Encoder 2500ppr	
Cooling Method	Totally Enclosed, Non-Ventilated	
Protection Level	IP65 for Body, Shaft Sealing IP54	
Environmental Temperature	-20??40?	
Cond		

Conditions for Operation	Humidity	Below 90% RH (No condensing)
	Ambient Environment	Away from Active Gas, Combustible Gas, Oil Drops and Dust
	Altitude	Maximum Altitude 4000m, Rated Power at 1000m or Below, Above 1000m: Decreasing 1.5% Per 100m Rise

[Servo System](#)