

## SMH80S-0075-30AA



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 415,00 €

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Manufacturer [ELCON | Systems & Components](#)

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

Maximum Torque Tm (Nm)	7.17	9.48
Maximum Current Im (A)	11.7	18.9
Standstill Torque TS (Nm)	2.63	3.3
Standstill Current IS (A)	4.4	6.93
Resistance Line-Line RL (?)	1.4	0.86
Inductance Line-Line LL (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 Ke (V/krpm)	40	34
Torque Constant Kt (Nm/A)	0.662	0.562
Rotor Moment of Inertia Jm(Kg·cm <sup>2</sup> )	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 (N)	335	335
Maximum Axial Force F (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	
Envir onme ature ntal Cond	-20??40?	

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](#)