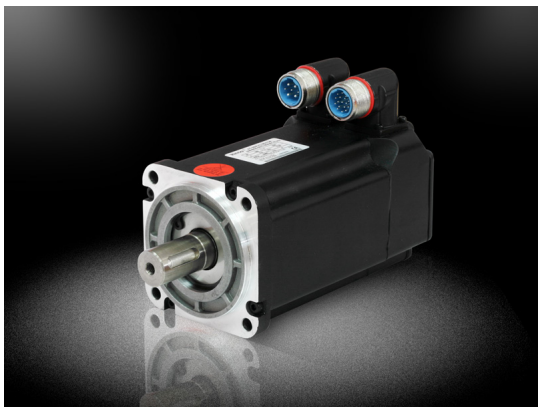
SMH80S-0075-30AA





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 €

Ask a question about this product

ManufacturerELCON | 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 Performance	Rated Power PN (W)	750	1000
	Rated Torque TN (Nm)	2.39	3.18
	Rated Speed nN(rpm)	3000	3000
	Rated Current IN (A)	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·cm²)		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	
Environmental Cond	**Temperature**	-20??40?	

itions 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