

Motor series		Medium Inertia flange size 110mm					
Model		SMH110D-0125 -30A□K-4LKC	SMH110D-0126 -30A□K-4HKC	SMH110D-0105 -20A□K-4LKC	SMH110D-0157 -30A□K-4HKC	SMH110D-0126 -20A□K-4LKC	SMH110D-0188 -30A□K-4HKC
Driver matching		JD430-AA-000 FD4325-CA-000 FD4325-AA-000 FD4325-LA-000 CD4325-AA-000	JD620-AA-000 FD6225-CA-000 FD6225-AA-000 FD6225-LA-000 CD6225-AA-000	JD430-AA-000 FD4325-CA-000 FD4325-AA-000 FD4325-LA-000 CD4325-AA-000	JD620-AA-000 FD6225-CA-000 FD6225-AA-000 FD6225-LA-000 CD6225-AA-000	JD430-AA-000 FD4325-CA-000 FD4325-AA-000 FD4325-LA-000 CD4325-AA-000	JD620-AA-000 FD6225-CA-000 FD6225-AA-000 FD6225-LA-000 CD6225-AA-000
DC link voltage UDC		300	560	300	560	300	560
Continuous performance	Rated power P _n (W)	1250	1260	1050	1570	1260	1880
	Rated torque T _n (Nm)	4.0	4.0	5.0	5.0	6.0	6.0
	Rated speed n _n (rpm)	3000	3000	2000	3000	2000	3000
	Rated current I _N (A)	6.5	4.3	5.9	5.9	6.2	6.2
Maximum torque T _m (Nm)	12	12	15.0	15.0	18.0	18.0	
Maximum current I _m (A)	19.5	12.9	17.7	17.7	18.6	18.6	
Standstill torque T _s (Nm)	4.4	4.4	5.5	5.5	6.6	6.6	
Standstill current I _S (A)	6.82	4.73	6.49	6.49	6.765	6.765	
Resistance line-line R _L (Ω)	0.8	1.83	1.03	1.03	1.258	1.258	
Inductance line-line L _L (mH)	6.4	13.5	7.8	7.8	9.62	9.62	
Electrical time constant τ _e (ms)	7.9	7.37	7.57	7.57	7.64	7.64	
Mechanical time constant τ _m (ms)	1.4	1.63	1.55	1.55	1.65	1.65	
Reverse voltage constant Ke(V/krpm)	45	64	55	55	64	64	
Torque constant Kt (Nm/A)	0.744	1.058	0.910	0.910	1.058	1.058	
Rotor moment of inertia J _r (Kg·cm ²)	5.8	5.8	7.2	7.2	8.5	8.5	
	5.85 (with brake)	5.85 (with brake)	7.25 (with brake)	7.25 (with brake)	8.55 (with brake)	8.55 (with brake)	
Pole pair number	4	4	4	4	4	4	
Maximum voltage rising du/dt (KV/μs)	8	8	8	8	8	8	
Insulation class	F	F	F	F	F	F	
Maximum radial force F _r (N)	630	630	630	630	630	630	
Maximum axial force F _a (N)	315	315	315	315	315	315	
Weight G(Kg)	6.2	6.2	7.2	7.2	8.2	8.2	
	8.2 (with brake)	8.2 (with brake)	9.2 (with brake)	9.2 (with brake)	10.2 (with brake)	10.2 (with brake)	
Length of motor L(mm)	168	168	185	185	202	202	
	228±1 (with brake)	228±1 (with brake)	245±1 (with brake)	245±1 (with brake)	262±1 (with brake)	262±1 (with brake)	
Position feedback device	Incremental encoder 2500ppr						
Cooling method	Totally enclosed, non-ventilated						
Protection level	IP65 for body, shaft sealing IP54						
Environmental conditions for operation	Temperature	-20°C ~ 40°C (Non-freezing)					
	Humidity	Below 90% RH (Non-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					