

SE080AS

Brushless Servo Motor

General information

- 8 poles with three phases
- 18 slots distribution winding, skew stator design for low cogging
- Insulation class F
- Higher resolution encoder available
- Higher voltage available
- IP65 class available

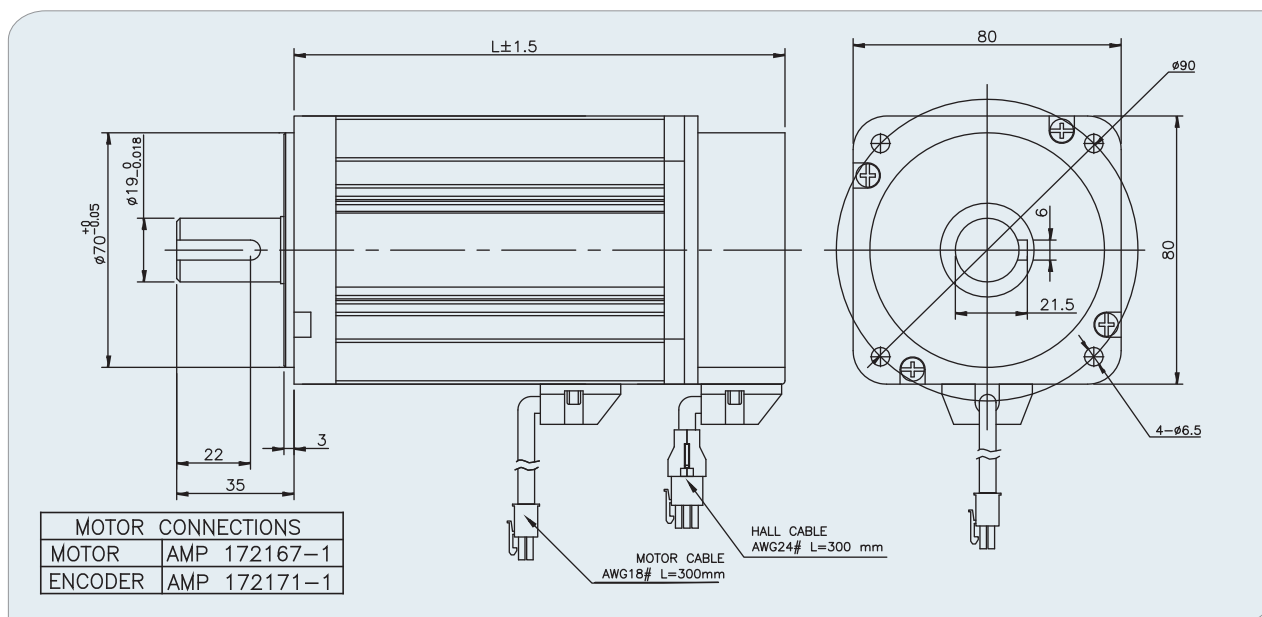


Specifications

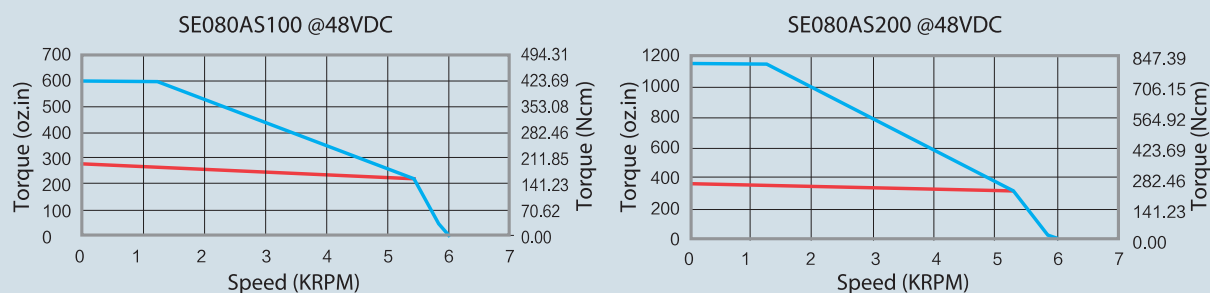
SPECIFICATION		Unit	SE080AS100	SE080AS200
Supply Voltage (reference)	(Vs)	Vdc	48	48
Rated Continuous Torque	(Tcr)	Nm	1.31	2.44
Rated Speed at Cont. Torque	(Scr)	rpm	3000	3000
Rated Continuous Stall Current	(Ics)	A	16.93	31.52
Rated Continuous Output Power	(Po,c)	W	411	765
Motor Constant	(Km)	Nm/√W	0.2030	0.2449
Torque Constant	(KT)	Nm/A	0.0812	0.0812
Voltage Constant	(KE)	Vrms/krpm	8.0	8.0
Terminal Resistance	(Rmt)	Ω	0.25	0.11
Inductance	(L)	mH	0.45	0.25
Rated Peak Current	(Ipr)	A	57.88	104.21
Rated Peak Torque	(Tpr)	Nm	4.50	8.10
Coulomb Friction Torque	(Tf)	Nm	0.0470	0.061
Insulation Class			F	F
Rotor Inertia	(Jr)	kg.m ²	1.2E-04	1.65E-04
Motor Weight	(Wm)	Kg	2.10	2.72
Feedback Device	2500p/rev incremental encoder			
Motor Length	(Lm)	mm	132	153

SE080AS

Mechanical



Characteristic diagram



*TEST WITH TECHNOSOFT iPOS8020BX CONTROLLER