

SS 15x, 25x, 40x, 70x NEMA 42 Performance Data

Model	Min. Torque	Load Inertia*	Line Current	Weight	Shaft Loading		Wiring Diag.	Phase Shifting Components				
	oz-in (Nm)	oz-in-s ² (kg-cm ²)	A (RMS/Ø)		lb (kg)	Radial Force		Axial Force	Resistor			Capacitor (330 Vac)
				lb (N)		lb (N)		Resistor part no.	Ohms	Watts	Capacitor part no.	µF
60 Hz, 120 Vac, 1Ø, 72 RPM												
SS150B	150 (1.06)	0.062 (4.4)	0.45	8.0 (3.6)	25 (111)	50 (222)	C	201052-007	250	25	201053-005	3.75
SS250B	250 (1.77)	0.12 (8.8)	0.6	8.0 (3.6)	25 (111)	50 (222)	C	201052-013	150	50	201053-010	6.5
SS400B	400 (2.82)	0.18 (13.2)	0.6	12.3 (5.6)	25 (111)	50 (222)	C	201052-013	150	50	201053-010	6.5
SS700	700 (4.94)	0.42 (30)	1.1	15.5 (7.0)	25 (111)	50 (222)	C	201052-027	150	100	201053-032	12.5
60 Hz, 240 Vac, 1Ø, 72 RPM												
SS152B	150 (1.06)	0.062 (4.4)	0.2	8.0 (3.6)	25 (111)	50 (222)	C	201052-030	1000	25	201053-023	1
SS252B	250 (1.77)	0.12 (8.8)	0.4	8.0 (3.6)	25 (111)	50 (222)	C	201052-015	500	50	201053-036	2
SS402B	400 (2.82)	0.18 (13.2)	0.4	12.3 (5.6)	25 (111)	50 (222)	C	201052-015	500	50	201053-012	1.75
SS702	700 (4.94)	0.42 (30)	0.55	15.5 (7.0)	25 (111)	50 (222)	C	201052-028	500	100	201053-030	3
50 Hz, 240 Vac, 1Ø, 60 RPM												
SS152B	150 (1.06)	0.074 (5.2)	0.2	8.0 (3.6)	25 (111)	50 (222)	C	201052-030	1000	25	201053-034	1.5
SS252B	250 (1.77)	0.15 (10.5)	0.40	8.0 (3.6)	25 (111)	50 (222)	C	201052-015	500	50	201053-030	3
SS402B	400 (2.82)	0.21 (14.6)	0.40	12.3 (5.6)	25 (111)	50 (222)	C	201052-015	500	50	201053-035	2.5
SS702	700 (4.94)	0.51 (36)	0.55	15.5 (7.0)	25 (111)	50 (222)	C	201052-028	500	100	201053-028	4

* This is the maximum rigidly attached load inertia the motor will reliably start. If the load is attached to the motor with a 5° flex coupling, the motor will start loads up to seven times listed.