

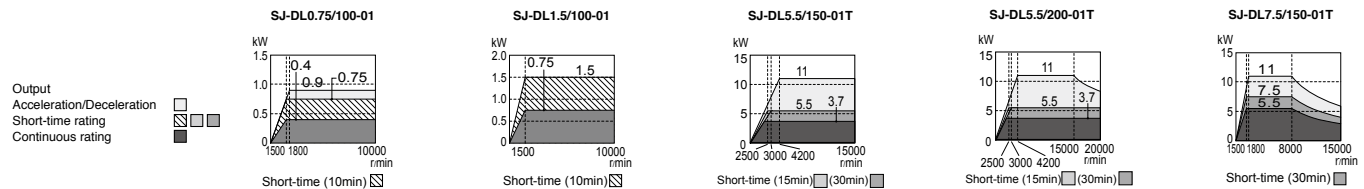
SJ-DL Series Spindle Motors

SJ-DL Spindle Motor 200V (Low-Inertia Specification)

Model Number	SJ-DL0.75/100-01	SJ-DL1.5/100-01	SJ-DL5.5/150-01T	SJ-DL5.5/200-01T	SJ-DL7.5/150-01T	
Stocked Item	-	-	-	-	-	
Compatible Drive Unit	1-Axis Type MDS-E-SP-	20	40	160	160	
	2-Axis Type MDS-E-SP2-	2	40	16080(L)	16080(L)	
	Multi Axis Integrated Type MDS-EM-SPV3-	-	-	16080	-	16080
	Regenerative Resistor Type MDS-EJ-SP-	-	-	-	-	-
Standard Output During Acceleration/Deceleration (kW)	0.9	1.5	11	11	11	
Actual Accel/Decel Output (kW) (*2)	1.08	1.8	13.2	13.2	13.2	
Base Rotation Speed (r/min)	1500	1500	2500	2500	1500	
Max. Rotation Speed in Constant Output Range (r/min)	10000	10000	15000	20000	80000	
Maximum Rotation Speed (r/min)	10000	10000	15000	20000	15000	
Continuous Rated Torque (N·m)	2.55	4.77	14.1	14.1	35.0	
Motor Inertia (kg·m ²)	0.0011	0.0019	0.0046	0.0046	0.016	
Degree of Protection (The Shaft-Through Portion is Excluded)	IP54	IP54	IP54	IP54	IP54	
External Dimensions (Flange Type) mm	130 SQ x 264	130 SQ x 317	174 SQ x 377	174 SQ x 377	204 SQ x 489	
Flange Fitting Diameter (mm)	ø110	ø110	ø150	ø150	ø180	
Shaft Diameter (mm)	ø22	ø22	ø28	ø28	ø32	
Weight (kg)	10	14	30	30	56	

Notes:

- Only the combination designated in this manual can be used for the motor and drive unit. Always use the designated combination.
- Actual acceleration/deceleration output is 1.2-fold of "Standard output during acceleration/deceleration" or "Short time rated output".



SJ-DL Spindle Motor 200V (Low-Inertia Specification)

Model Number	SJ-DL5.5/200-01T-S	
Stocked Item	-	
Compatible Drive Unit	1-Axis Type MDS-E-SP-	160
	2-Axis Type MDS-E-SP2-	16080(L)
	Multi Axis Integrated Type MDS-EM-SPV3-	-
	Regenerative Resistor Type MDS-EJ-SP-	-
Standard Output During Acceleration/Deceleration (kW)	11	
Actual Accel/Decel Output (kW) (*2)	13.2	
Base Rotation Speed (r/min)	2500	
Max. Rotation Speed in Constant Output Range (r/min)	20000	
Maximum Rotation Speed (r/min)	20000	
Continuous Rated Torque (N·m)	14.1	
Motor Inertia (kg·m ²)	0.0046	
Degree of Protection (The Shaft-Through Portion is Excluded)	IP54	
External Dimensions (Flange Type) mm	174 SQ x 377	
Flange Fitting Diameter (mm)	ø150	
Shaft Diameter (mm)	ø22	
Weight (kg)	28	

Notes:

- Only the combination designated in this manual can be used for the motor and drive unit. Always use the designated combination.
- Actual acceleration/deceleration output is 1.2-fold of "Standard output during acceleration/deceleration" or "Short time rated output".

