

RMD-X8 PRO	
Specification	Value
Reducer Ratio	0.375694444
Input Voltage	24-48 V
No-load Speed	160 @48V rpm
Nominal Speed	122 rpm
Nominal Current	5 A
Nominal Power	166 W
Nominal Torque	13 N.M
Motor Efficiency	0.77
Resistance	0.54 $\Omega$
Wire Connect	Y
Phase to Phase Inductance	0.28 mH
Speed Constant	30 rpm/v
Torque Constant	2.6 N.M/A
Axial Direction Payload	985 N.M
Radial Direction Payload	1250 N.M
Rotor Inertia	3400 gcm <sup>2</sup>
Number of Pole Pairs	20
Motor Weight	710 g
Environment Temperature	-20 ~ 55 °C

# RMD-X10-S2 1:35

Specification	Value
Input Voltage	48 V
No-load Output Speed	55 rpm
Nominal Output Speed	50 rpm
Nominal Current	6.7 A
Output Nominal Power	265 W
Nominal Torque	50 N.M
Motor Efficiency	0.82
Overload Coefficient	2
Wire Resistance	0.3 $\Omega$
Wire Inductance	0.13 mH
Motor Speed Constant	30 rpm/v
Motor Torque Constant	0.32 N.M/A
Axial Direction Payload	1625 N
Radial Direction Payload	2250 N
Rotor Inertia	5675 gcm <sup>2</sup>
Motor Weight	1700 g
Reducer Ratio	1.459027778
Backlash	15 Arc min

# RMD-X10 1:7

Specification	Value
Input Voltage	48 V
No-load Output Speed	190 rpm
Nominal Output Speed	170 rpm
Nominal Current	5.3 A
Output Nominal Power	215 W
Nominal Torque	12 N.M
Motor Efficiency	0.825
Overload Coefficient	3
Wire Resistance	0.3 $\Omega$
Wire Inductance	0.13 mH
Motor Speed Constant	30 rpm/v
Motor Torque Constant	0.32 N.M/A
Axial Direction Payload	1625 N
Radial Direction Payload	2250 N
Rotor Inertia	5675 gcm <sup>2</sup>
Motor Weight	1150 g
Reducer Ratio	0.292361111
Backlash	8 Arc min