

80 Frame Servo Reducer for Mobile Robot

General Information

- All-in-one compact design
- High efficiency, low noise and high reliable gearbox
- Brake available
- Drive solution for mobile robot (AGV/Forklift)



Specification

Model	Voltage (V)	Rated Power (W)	No Load	Rated Torque (Nm)	Rated Load		Resistance(L-L) (Ω)
			Speed(rpm)		Speed(rpm)	Current(A)	
SE080AS100-PLF016	48	400	250	18.3	187.5	10	0.14
	Inductance(L-L) (mH)		Ke (Vrms/krpm)		Kt (Nm/A)		No. of Pole
	0.55		7.87		0.124		10

* 2500 lines Max.

Gearbox Specification							
Gear ratio	Continuous Torque (Nm)	Peak Torque (Nm)	Efficiency	Radial Load (Max.)	Axial Load (Max.)	Backlash (arcmin)	Operating Temperature
16 : 1	10.2	30.7	0.90	630	720	≤5	-10 ~ +40℃

Brake Specification				
Voltage (V)	Power (W)	Static Torque (Nm)	Resistance (Ω)	Release Voltage (V)
24	13.5	4.0 Min.	42.7	>1.2

Mechanical

