



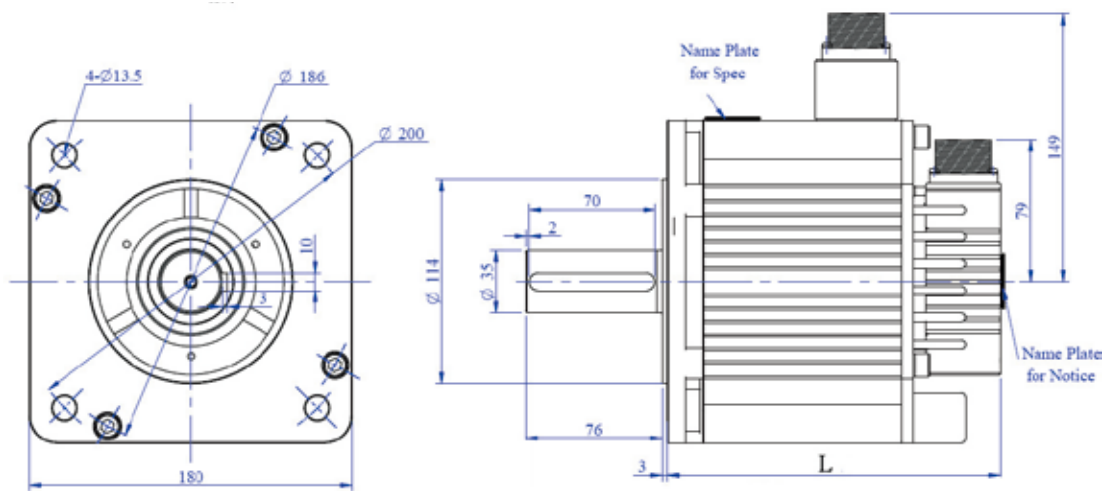
## TSC 18 SERIES

### SPECIFICATION

1 (kgf · cm) = 0.0980665 (N · m)    1 (gf · cm · s<sup>2</sup>) = 0.980665 (kg · cm<sup>2</sup>)

Item / Motor Type		Unit	TSC18452H	TSC18562H
Rated Output	P <sub>R</sub>	W	4.5	5.6
Driver Set			TSTA100D	TSTA150D
Rated Terminal Voltage	V <sub>T</sub>	V	218.4	204.11
Rated Torque	T <sub>R</sub>	N · m	28.6	34.7
Rated Current	I <sub>R</sub>	A	25.2	33.2
Rated Speed	N <sub>R</sub>	rpm	1500	1500
Peak Torque	T <sub>P</sub> (N)	N · m	62.9	86.4
Peak Current	I <sub>P</sub>	A	56.5	84.5
Torque Constant	K <sub>T</sub>	N · m/A	1.20	1.15
Voltage Constant	K <sub>E</sub>	V/k rpm	126	118
Inertia	J <sub>M</sub>	kg · cm <sup>2</sup>	31.6	41.5
Resistance	R <sub>a</sub>	Ω	0.27	0.18
Inductance	L <sub>a</sub>	mH	3.75	2.37
Mechanical Time Constant	T <sub>m</sub>	ms	0.526	0.442
Electrical Time Constant	T <sub>e</sub>	ms	15.6	17.2
Weight		kgw	15.7	18.3
Insulation Class			F class ( 155°C )	

## DIMENSION



MODEL	L (mm)
TSC18452H	185.4
TSC18562H	201.4

## PERFORMANCE CURVE

