

TE Series - High Precision Planetary Reducer



Performance Data

TE series offer additional installation flexibility in addition to TB series but with zero compromise in performance. It is with high precision and robust design.

TE050		One Stage										Two Stage										
Speed Ratio	i	-	4	5	6	7	8	9	10	-	20	25	30	35	40	50	60	70	80	100		
Nominal Output Torque	T_1	Nm	-	19	20	19	19	17	-	14	-	19	20	19	19	17	20	19	19	17	14	
Emergency Stop Torque	T_2	Nm	$T_1 \times 3$										$T_1 \times 3$									
Nominal Input Speed	S_1	rpm	5000										5000									
Maximum Input Speed	S_2	rpm	10000										10000									
Maximum Output Torque	T_a	Nm	$T_1 \times 3 \times 60\%$										$T_1 \times 3 \times 60\%$									
Maximum Radial Force	F_r	N	702										702									
Maximum Axial Force	F_b	N	390										390									
Torsional Rigidity	-	Nm/arcmin	3										3									
Efficiency	η	%	≥ 97										≥ 94									
Service Life	-	h	20000										20000									
Noise	-	dB	≤ 56										≤ 56									
Weight	-	Kg	0.6										0.9									
Backlash	P0	arcmin	-										-									
	P1	arcmin	≤ 3										≤ 5									
	P2	arcmin	≤ 5										≤ 7									
Operating Temperature	-	$^{\circ}\text{C}$	-20-90										-20-90									
Lubrication	-		Synthetic Grease										Synthetic Grease									
Protection Class	-		IP65										IP65									
Mounting Position	-		Any Direction										Any Direction									
Moment of Inertia	J	$\text{kg}\cdot\text{cm}^2$	0.03										0.13									

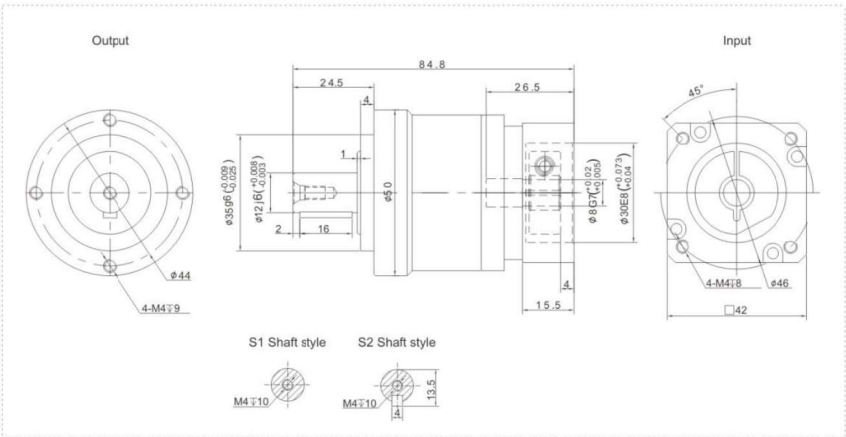
Notes:

- Speed ratio ($i = S_1/S_{out}$)
- When the output speed is 100 rpm, it acts on the center of the output shaft.
- For continuous operation, the service life is no less than 10,000 hours.
- The noise value was measured based on the input rotational speed of 3000 rpm, $i=10$.

Any product models and parameters in this sample are subject to change without prior notice. Please confirm with the company before ordering.

TE050 Series

TE050 One Stage



TE050 Two Stage

