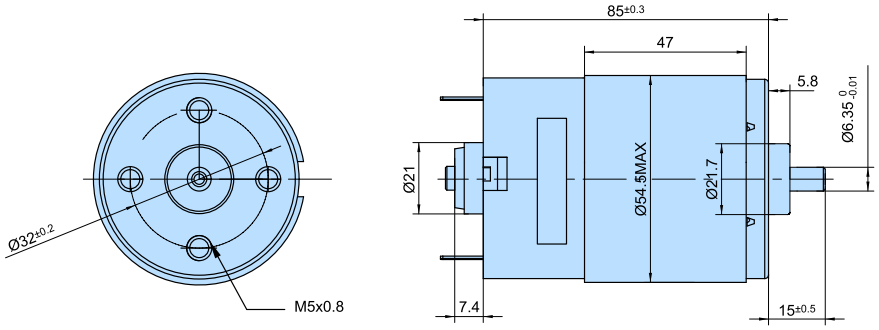
DC997

12 / 24 V · 4500 - 6000 rpm · 4 windings





Dimensions in mm. Standard drawing shown; confirm custom shaft variants separately.

ELECTRICAL PERFORMANCE | STANDARD WINDINGS

Parameter	Unit	DC997-124500	DC997-126000	DC997-244500	DC997-246000
Rated voltage	V	12	12	24	24
No-load speed	rpm	4500	6000	4500	6000
Rated speed	rpm	4180	5400	4200	5165
No-load current	mA	1350	1850	850	1250
Rated current	mA	5400	7500	2800	4960
Stall current	mA	48100	67500	25900	34000
Rated torque	gf.cm	1168	1200	1197	1699
Stall torque	gf.cm	11500	12000	12350	13100
Rated output power	W	48.8	64.8	50.2	86
Maximum efficiency	%	72	72	72	72

Standard specifications at 20 °C ambient. For customized performance, contact technical support.

MECHANICAL, MATERIALS & OPERATION

Motor diameter	54.5 mm	Operating temperature	-30 ~ 65 °C
Motor body length	85 mm	Housing material	Zinc-plated steel
Motor weight	675 g	Winding material	Enameled copper wire
Shaft diameter	6.35 mm	Magnet material	Ferrite
Shaft configuration	Single/Dual	Brush material	Metal graphite brush
Direction of rotation	CW/CCW	Insulation class	UEW
Connector	2	Pole pairs	2
Working lifespan	1000 hours		

CONFIGURATION | COMPATIBLE GEARBOX

Gearbox type	Series	Combination	+ L (mm)
Planetary gearbox	PG52	PG52 + DC997	38.2 - 100.7
Planetary gearbox	PG56	PG56 + DC997	37.5 - 100.9

+ L: added axial length including the mounting plate, excluding the output shaft.