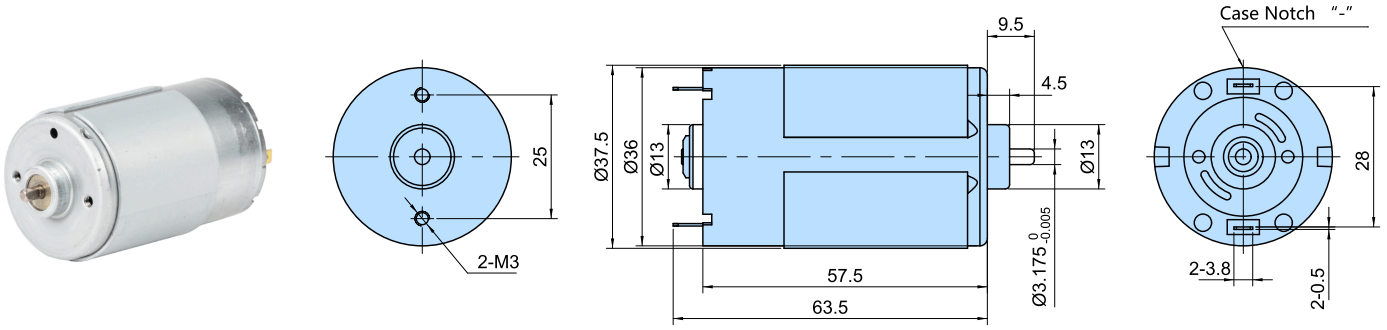
DC555

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	DC555-124500	DC555-126000	DC555-244500	DC555-246000
Rated voltage	V	12	12	24	24
No-load speed	rpm	4500	6000	4500	6000
Rated speed	rpm	3929	5244	3980	5300
No-load current	mA	280	420	140	250
Rated current	mA	840	1340	440	730
Stall current	mA	5920	9310	3340	5450
Rated torque	gf.cm	183	215	190	244
Stall torque	gf.cm	1507	1722	1713	2065
Rated output power	W	7.42	11.6	7.55	12.9
Maximum efficiency	%	72	72	72	72

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

MECHANICAL, MATERIALS & OPERATION

Motor diameter	36 mm	Operating temperature	-30 ~ 65 °C
Motor body length	57 mm	Housing material	Zinc-plated steel
Motor weight	230 g	Winding material	Enameled copper wire
Shaft diameter	3.17 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	600 hours		

CONFIGURATION | COMPATIBLE GEARBOX

Gearbox type	Series	Combination	+ L (mm)
Planetary gearbox	PG36	PG36 + DC555	29.9 - 56.1
Spur gearbox - round	SG37B	SG37B + DC555	23.5 - 30
Spur gearbox - round	SR37	SR37 + DC555	30.5 - 38
Spur gearbox - flat	TT / GF / TA	with DC-555	On request
Worm gearbox	WGM4058	WGM4058 + DC555	On request

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