

About PMDC Brushed Motor

The brushed DC motor generates torque directly from DC power supplied to the motor by using internal commutation, stationary permanent magnets, and rotating electrical magnets. Our PMDC Motor using a tubular steel housing, which has a better sealability of magnetism, and it causes a higher efficiency. Furthermore, we can provide a solution of renewable brushes, to ach.

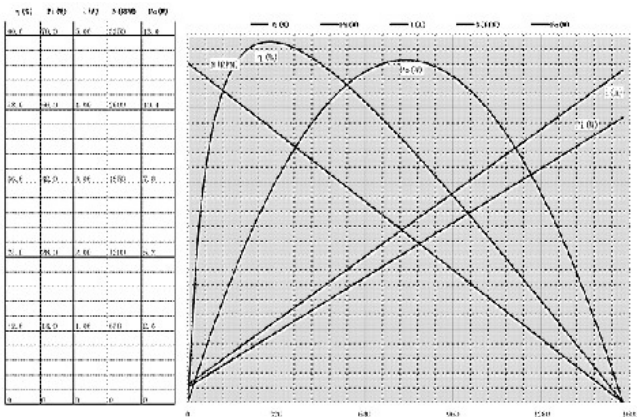


ZYTD45S-R Series Brushed dc motor

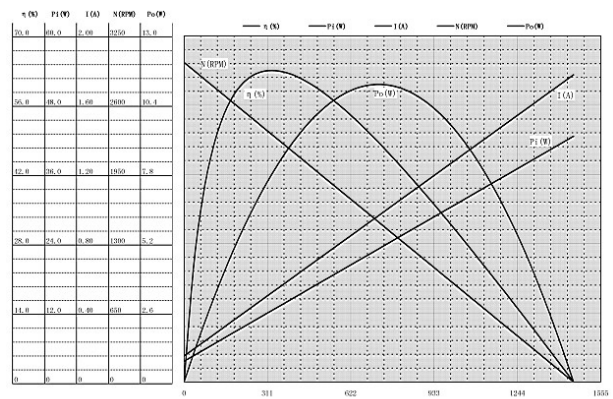
Part no	Rated voltage	No load speed	No load current	Rated speed	Rated torque	Rated current	Rated Output	Max Output	Stall torque	Stall current
ZYTD45S-R-120	12VDC	2000RPM	0.142A	1570RPM	180g.cm	0.442A	3.0W	3.8W	803g.cm	1.417A
ZYTD45S-R-130	12VDC	3000RPM	0.283A	2650RPM	180g.cm	0.742A	4.8W	7.8W	1089g.cm	2.917A
ZYTD45S-R-145	12VDC	4500RPM	0.533A	3740RPM	180g.cm	1.183A	7.0W	10.0W	1027g.cm	4.167A
ZYTD45S-R-148	12VDC	4800RPM	0.542A	4000RPM	285g.cm	1.583A	11.7W	16.5W	1650g.cm	6.834A
ZYTD45S-R-220	24VDC	2000RPM	0.075A	1510RPM	285g.cm	0.308A	4.4W	4.9W	1129g.cm	0.917A
ZYTD45S-R-230	24VDC	3000RPM	0.142A	2490RPM	285g.cm	0.475A	7.3W	8.8W	1551g.cm	1.833A
ZYTD45S-R-240	24VDC	4000RPM	0.183A	3450RPM	285g.cm	0.625A	10.0W	13.2W	1769g.cm	2.750A
ZYTD45S-R-250	24VDC	5000RPM	0.283A	4500RPM	285g.cm	0.867A	13.2W	21.6W	2185g.cm	4.500A

Remark: the explanation of part no, for example, 130C, 1 means the nominal voltage is 12VDC, while 2 means the nominal voltage is 24VDC, 30 means the no load speed is 3000RPM, while 40 means the no load speed is 4000RPM, C means the brushes of motor is renewable.

Performance Curves

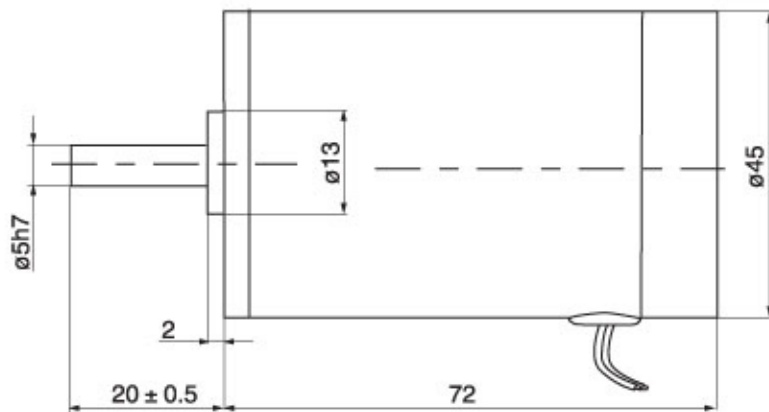


ZYTD45S-130



ZYTD45S-230

External Dimension:



DIRECTION OF ROTATION

