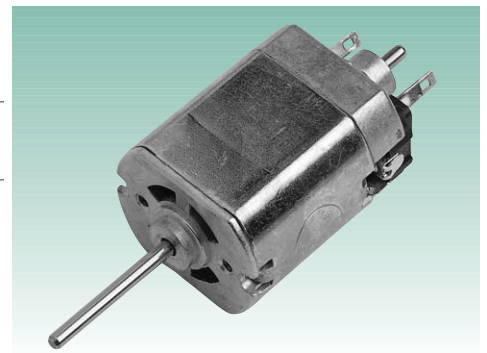
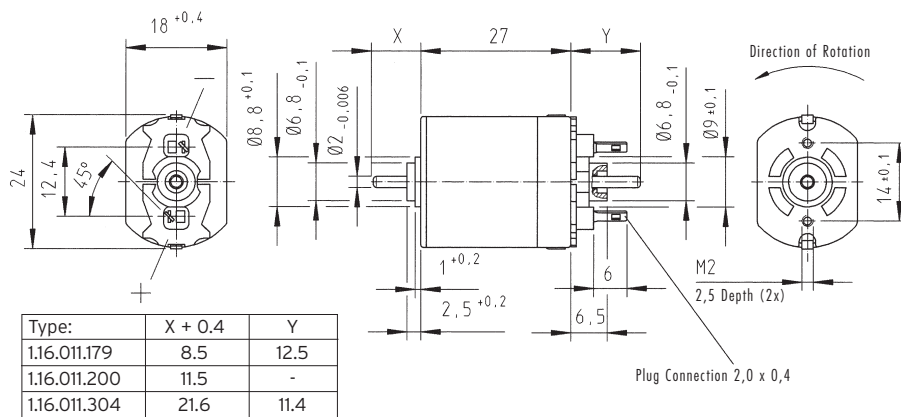


DC PM Motor Standard 1.16.011.



The illustrated motor is representative for the standard series.

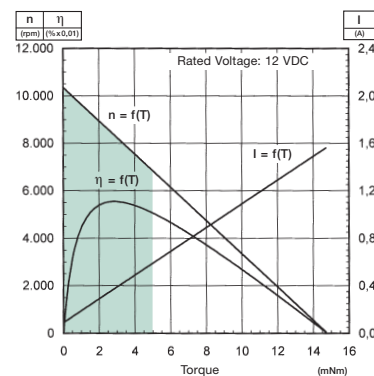
Technical Data *)

Type		179	304	200
Rated Voltage	V	12	12	24
Rated Torque	mNm	5	4.5	5
Rated Speed	r.p.m.	6850	8000	7050
Rated Output Power	W	3.6	3.8	3.7
Rated Current	A	0.59	0.65	0.29
Max. Allow. Const. Current**)	A	0.65	0.65	0.32
No Load Speed	r.p.m.	10350	12000	10150
No Load Current	A	0.09	0.12	0.08
Stall Current	A	1.6	1.75	0.81
Stall Torque	mNm	14.5	14	16
Rotor Inertia	gcm ²	3.2	3.2	3.2
Speed Regulation Constant	r.p.m./mNm	700	858	620
Torque Constant	mNm/A	10.2	8.75	21.9
Mech. Time Constant	ms	-	-	-
Electr. Time Constant	ms	-	-	-
Terminal Resistance	Ohm	7.7	6.9	31.5
Thermal Resistance	R _{th1} K/W	23	23	23
	R _{th2} K/W	21	21	21
Weight	g	40	40	40

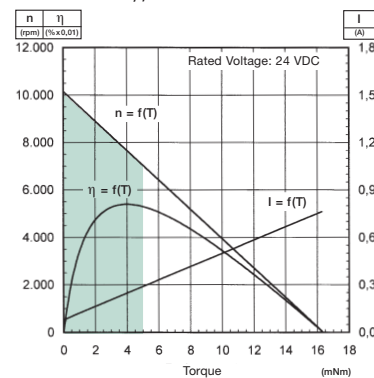
*) all data are respected to an ambient temperature of 25 °C
 **) at rated voltage

DESIGN:

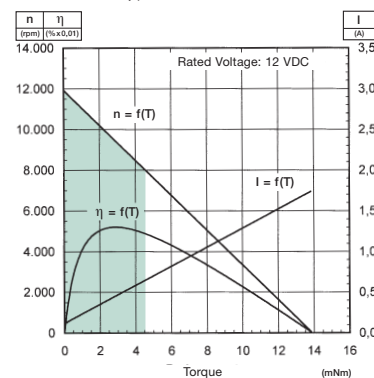
- DC PM Motor
- Brush type commutation
- 3 segment commutator 1.16.011.179/200
- 5 segment commutator 1.16.011.304
- Sintered bronze bearing oil impregnated
- Direction of rotation depending on applied polarity
- Corrosion protected housing
- A- and B-endshield: zinc die-cast



Type: 1.16.011.179



Type: 1.16.011.200



Type: 1.16.011.304 (5-Slot)

■ recommended operating range

- Max. allowable radial load _____ 5 N
(5 mm from mounting surface)
- Max. allowable axial load _____ 2 N
- Axial play _____ 0.05 - 0.6 mm
- Allowable temperature range _____ 0 °C/+70 °C