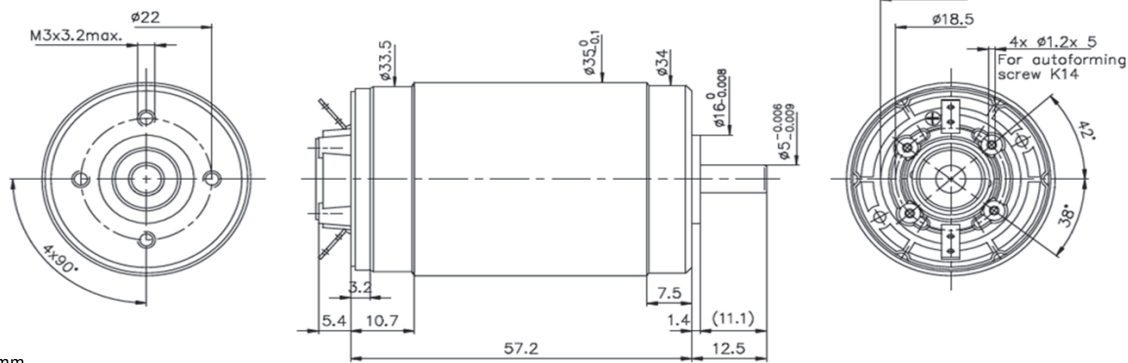


35NT2R32

Graphite-Copper commutation

Ø35mm

56 mNm



Dimensions in mm

35NT2R32 **** .1

Electrical Data		****	228P	228E	416SP	
1	Nominal Voltage	V	9	15	24	Volt
2	No-Load Speed	n ₀	5,020	4,315	4,365	rpm
3	No-Load Current	I ₀	180.0	90.0	50.0	mA
4	Terminal Resistance	R	1.0	3.6	8.3	Ω
5	Output Power	P _{2max.}	33.0	33.0	35.0	W
6	Stall Torque	mNm	151 (21.39)	137 (19.41)	150 (21.25)	mNm (oz-in)
7	Efficiency	h _{max.}	74	73	75	%
8	Max Continuous Speed	n _{e max.}	9,000	9,000	9,000	rpm
9	Max Continuous Torque	M _{e max.}	52 (7.65)	54 (7.65)	56 (7.94)	mNm (oz-in)
10	Max Continuous Current	I _{e max.}	3.30	1.75	1.18	A
11	Back-EMF Constant	k _E	1.76	3.40	5.40	mV/rpm
12	Torque Constant	k _M	16.80	32.50	51.60	mNm/A
13	Motor Regulation	R/k ²	3.5	3.4	3.1	10 ³ /Nms
14	Friction Torque	T _F	3 (0.43)	2.93 (0.42)	2.6 (0.37)	mNm (oz-in)
15	Rotor Inductance	L	0.13	0.52	1.30	mH
16	Mechanical Time Constant	t _m	16.8	16.3	16.2	ms
17	Rotor Inertia	J	48.00	48.00	52.00	g.cm ²
General Data						
18	Thermal Resistance (rotor/body)	R _{th1} / R _{th2}		4/8		°C/W
19	Thermal Time Constant (rotor/stator)	t _{w1} /t _{w2}		40/920		S
20	Operating Temperature Range:	motor		-30 °C to 85 °C (-22 °F to 185 °F)		°C (°F)
		rotor		100 °C (212 °F)		°C (°F)
21	Shaft Load Max.:			With ball bearings		
	(5mm from bearing)	-radial		35.0 (125.9)		N (oz)
		-axial		100 (359.6)		N (oz)
22	Shaft Play:	-radial		negligible		mm (inch)
		-axial		negligible		mm (inch)
23	Weight	g		310 (10.94)		g (oz)

Execution Table

Gearbox	Single Shaft	E9	HEDS
R32	54	66	Upon Request
R40	1	96	Upon Request

