



DC MOTOR

75 watt

Graphite Brushes

escap 35NT2R82

TRIDENT ENGINEERING LIMITED
Trident House, King Street Lane,
Winnersh, Wokingham,
Berkshire, RG41 5AS

Telephone: 0118 978 6444

Fax: 0118 977 6345

Email: sales@tridenteng.co.uk

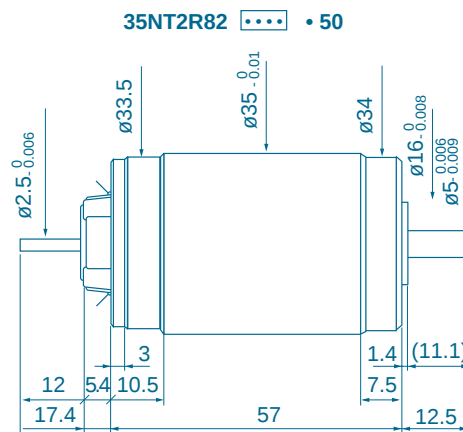
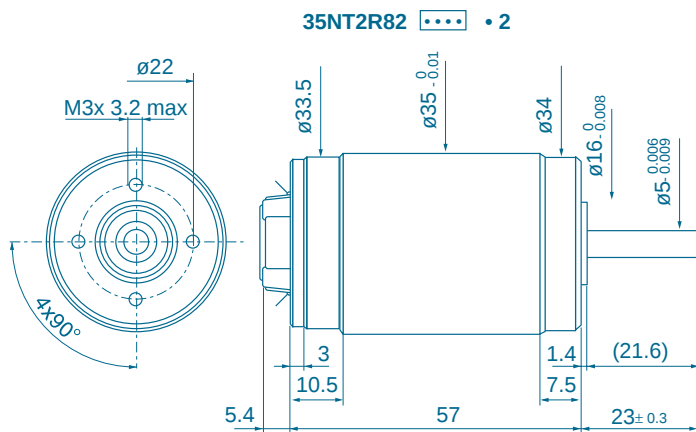
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Winding types		-426P	@12V	-426SP	@24V
Measured values					
1. Measuring voltage	Volt	18	12	32	24
2. No-load speed	rpm	6700	4466	5900	4425
3. stall torque	mNm (oz-in)	538(76)	358(50)	756 (107)	567(80.25)
4. Average no-load current	mA	141	141	80	80
5. Typical starting voltage	V	-	-	-	-
Max. recommended values					
6. Max. continuous current	A	3.7	3.7	2.3	2.3
7. Max. continuous torque	mNm (oz-in)	90 (12.7)	60 (8.5)	115 (16.3)	86 (12.2)
8. Max. angular acceleration	10^3 rad/s^2	51	51	64	64
Intrinsic parameters					
9. Back-EMP constant	V/1000 rpm	2.65	2.65	5.40	5.40
10. Torque constant	mNm/A (oz-in/A)	25.4 (3.6)	25.4 (3.6)	52 (7.3)	52 (7.3)
11. Terminal resistance	ohm	0.85	0.85	2.20	2.20
12. Motor regulation R/k^2	$10^3 / \text{Nms}$	1.3	1.3	0.83	0.83
13. Rotor inductance	mH	0.1	0.1	0.40	0.40
14. Rotor inertia	$\text{kgm}^2 \cdot 10^{-7}$	71.4	71.4	71.4	71.4
15. Mechanical time constant	ms	9	9	6	6

Product combinations

Gearheads GP32, GPP32, GP42 (this catalogue)
R32, R40 (API Motion catalogue)

Encoders E9, HEDS, HEDL



Available with $\varnothing 3\text{mm}$ front shaft

Notes

