

# NEMA 17 BLDC

TelcoMotion's high precision, high efficiency, high speed & high torque NEMA & industrial brushless DC motors have optimal performance with low noise and long life. Our NEMA/industrial brushless DC motors have special Rotor Construction and are available with Integrated drivers and controllers. Options include gearbox, optical encoder, shielded cables and turnkey assemblies. NEMA/industry brushless with IE is available in size of 17 and 23. We also offer low noise, long lifetime, high efficiency and cost effective NEMA/Industry Brushless DC Drivers.



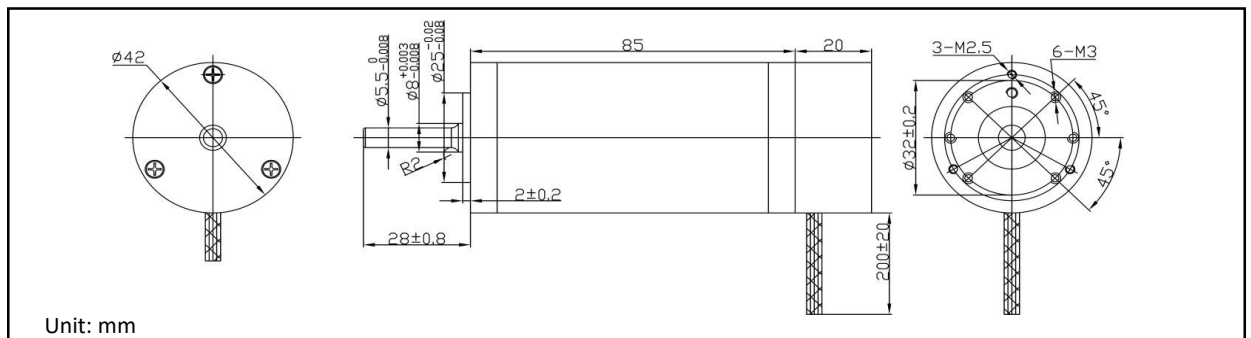
## Application:

- Electrical Vehicles, Scooters, Pumps, Office Appliances, Laboratory Equipment

## Specifications:

Part Number	Rated				Peak		Line to Line		Torque constant (mNm/A)	Back EMF (Vrms/Krpm)	Rotor Inertia (g.cm <sup>2</sup> )	Body length (mm)	Weight (Kg)
	Voltage	Speed	Torque	Power	Torque	Current	Resistance	Inductance					
	(VDC)	(RPM)	(mNm)	(W)	(mNm)	(A)	(ohms)	(mH)					
DN42040S24-026	24	4000	62.5	26	190	5.40	1.50	2.10	35.00	2.45	24	40.3	0.30
DN42060S24-052	24	4000	125	52.5	380	10.60	0.80	1.20	35.50	2.71	48	60.3	0.45
DN42080S24-077	24	4000	185	77.5	560	15.50	0.43	0.71	38.00	2.74	72	80.3	0.65
DN42100S24-105	24	4000	250	105	750	20.00	0.30	0.50	35.50	2.62	96	100.3	0.80
DN42030R24-008	24	4000	20	8.4	60	1.50	5.90	5.10	47.55	2.95	15.6	30.0	0.25
DN42060R24-030	24	4000	70	30	240	5.00	1.60	1.94	38.50	3.04	33	60.0	0.40
DN42085R24-062	24	4000	150	62	450	7.50	0.71	0.86	38.60	4.99	84	85.0	0.70
DN42093R24-076	24	6300	115	76	500	10.00	0.33	0.36	28.74	2.27	94	93.0	0.80
DN42040S24-022	24	3000	70	22	300	6.20	2.60	1.83	54.00	4.06	48	40.3	0.26
DN42060S24-050	24	3000	160	50	650	11.80	1.10	0.96	54.00	3.44	101	60.3	0.46
DN42080S24-081	24	3000	260	81	1100	16.80	0.70	0.58	54.00	3.51	154	80.3	0.65
DN42100S24-113	24	3000	360	113	1440	25.60	0.48	0.44	54.00	4.2	207	100.3	0.85
DN42077S24-26-1	24	4000	62.5	26	-	-	1.50	2.10	34.00	2.45	24	77.0	-
DN42097S24-52-1	24	4000	125	52	-	-	0.80	1.20	35.50	2.71	48	97.0	-
DN42137S24-78-1	24	4000	185	78	-	-	0.43	0.71	38.00	2.74	72	137.0	-
DN42157S24-104-1	24	4000	250	104	-	-	0.30	0.50	37.60	2.62	96	157.0	-

## Mechanical Drawing:



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