



A LINE-UP OF BRUSHLESS ELECTRIC MOTORS AT DRIVE

Mass production of synchronous brushless electric motors with permanent magnets with capacity from 150 up to 750 W in a frame and frameless forms.

TECHNICAL CHARACTERISTICS:

	50*08	50*14	70*10	70*18	85*13	85*23	115*25	115*50
Capacity, W	150	230	300	300	410	410	540	550
Nominal voltage, V	48	48	48	48	48	48	48	48
Nominal torque, Nm	0,25	0,47	0,7	1,1	1,68	2,8	4,1	7,8
Peak torque, Nm	0,79	1,8	3,0	3,9	6,7	7,5	16,4	24
Rotation rate (at no load), rpm	5600	5150	4200	2650	2360	1410	1350	700
Nominal current, A	6	6	8	8	11	11	15	15
Constant torque, Nm/A	0,060	0,078	0,088	0,138	0,150	0,258	0,275	0,544
Winding resistance, phase-phase, mOhm	552	611	314	443	339	474	136	235
Winding inductance phase-phase, uH	390	423	415	586	535	945	412	802
Number of terminal pairs, pcs	10	10	10	10	10	10	15	15
Efficiency, %	85	87	87	87	88	88	89	90
Diameter of the stator (D), mm	50	50	68,5	68,5	85	85	115	115
Length of the stator (L+Hall sensor), mm	18(+4)	24(+4)	23,7(+4)	31(+4)	28(+4)	37(+4)	42(+4)	66,8(+4)
Inner diameter of the rotor (d), mm	30	30	42	42	52	52	73	73
Length of the rotor (l), mm	17	23	20,8	28,7	25	34,2	39,5	65
Weight, kg	0,102	0,145	0,229	0,332	0,433	0,663	1,23	2,2

CONTACTS:

📍 21, Murmanskij side str., Magnitogorsk

☎ +7 (351) 958-01-89

✉ info@npo-at.com

🌐 npo-at.com

📍 23, Grayvoronovskaya str., Moscow

☎ +7 (351) 958-01-89

✉ info@npo-at.com