

1.4 Technical data

Core types have a gray background. 100 K values are specified in the table.

Technical data 1FT6, rated speed 1500 RPM

n_N [rpm]	M_0 [Nm]	M_N [Nm]	$M_N^{1)}$ [Nm]	Motor type 1FT6-	I_0 [A]	I_N [A]	Connector size 2)	Cross- section 3) [mm ²]	Cable type 4) 5) 6FX□□02- 6)	Terminal box 2)
Natural cooling										
1500	27.0	24.5	22.05	102-8AB7 □	8.7	8.4	1.5	4 x 1.5	5□S21-1 □□0	gk130
1500	50.0	41.0	36.9	105-8AB7 □	16.0	14.5	1.5	4 x 2.5	5□S31-1 □□0	gk130
1500	70.0	61.0	54.9	108-8AB7 □	22.3	20.5	1.5	4 x 4	5□S41-1 □□0	gk130
1500	75.0	62.0	55.8	132-6AB7 □	21.6	19	1.5	4 x 4	5□S41-1 □□0	gk230
1500	95.0	75.0	67.5	134-6AB7 □	27.0	24	1.5	4 x 4	5□S41-1 □□0	gk230
1500	115.0	88.0	79.2	136-6AB7 □	34.0	27	1.5	4 x 10	5□S61-1 □□0	gk230
Forced ventilation										
1500	65.0	59.0	53.1	105-8SB7 □	21.9	21.7	1.5	4 x 4	5□S41-1 □□0	gk130
1500	90.0	83.0	74.7	108-8SB7 □	30.0	31	1.5	4 x 6	5□S51-1 □□0	gk130
1500	110.0	102.0	91.8	132-6SB7 □	36.0	36	3	4 x 10	5□S13-1 □□0	gk230
1500	140.0	130.0	117.0	134-6SB7 □	44.0	45	3	4 x 10	5□S13-1 □□0	gk230
1500	175.0	160.0	144.0	136-6SB7 □	55.0	55	3	4 x 16	5□S23-1 □□0	gk420
1500	425	385	347	163-8SB7 □ ⁸⁾	151	136	—	—	—	gk630 ¹¹⁾
1500	600	540	486	168-8SB7 □ ⁸⁾	194	174	—	—	—	gk630 ¹¹⁾
Water cooling										
1500	119.0	116.0	116.0	108-8WB7 □	43.0	43	3	4 x 10	5□S13-1 □□0	gk230
1500	155	150	150	132-6WB7 □ ⁸⁾	58	58	—	—	—	gk630 ⁹⁾
1500	200	185	185	134-6WB7 □ ⁸⁾	73	67	—	—	—	gk630 ¹⁰⁾
1500	240	230	230	136-6WB7 □ ⁸⁾	92	90	—	—	—	gk630 ¹¹⁾
1500	300	290	290	138-6WB7 □ ⁸⁾	112	112	—	—	—	gk630 ¹¹⁾
1500	450	450	450	163-8WB7 □ ⁸⁾	160	160	—	—	—	gk630 ¹¹⁾
1500	700	690	690	168-8WB7 □ ⁸⁾	225	221	—	—	—	gk630 ¹¹⁾

Number of poles

without brake cable: with overall shield
with brake cable: with overall shield

C
D

Cables are not included with the motors - they must be separately ordered.

Lengths⁷⁾ (examples)

5 m AF
10 m BA
15 m BF
18 m BJ
25 m CF