

STANDARD MOTOR DATA



No.	Definition	Data			
1	Product	Three phase induction motor			
2	Efficiency class	IE1			
3	Type / Frame	Y3 180L-4			
4	Rated output	22	kW		
5	Mounting	B3			
6	Service Factor	1.0			
7	Type of duty	S1			
8	Winding connection	Delta			
9	Rated voltage	400	Volts		
10	Rated frequency	50	Hz		
11	Poles	4			
12	Rated speed	1470	rpm		
13	Rated current	39.9	Amps		
14	Ist/In	7.5			
15	Starting current	299.1	Amps		
16	Full Load torque	142.9	N·m		
17	Tst/Tn	2.0			
18	Locked rotor torque	285.9	N·m		
19	Locked rotor time	10	s		
20	Tmax/Tn	2.3			
21	Maximum torque	328.7	N·m		
22	Moment of inertia of rotor	0.1580	kg·m ²		
	Load characteristics (IEC 60034-2-1)	Load %	Current A	Efficiency %	Power Factor
23		100	39.9	90.5	0.88
24		75	30.4	91	0.86
25		50	22.7	89.8	0.78
26	Insulation class / Temperature class	F/B			
27	Ambient Temperature	-15 ~ +45			°C
28	Altitude	1000	m		
29	Enclosure	IP55			
30	Cooling system	IC411			
31	Bearing DE/NDE	6311 C3 / 6311 C3			
32	Type of Grease	No. 3 Lithum grease			
33	Sound pressure level (Lp dB(A) 1m)	76	dB(A)		
34	Position of terminal box	Top			
35	Direction of rotation	Bi-directional			
36	Winding PTC	yes			
37	Bearings with regreasing nipple	yes			
38	Total weight of motor	179	kg		
39	Outline dimensions(LxWxH)	740x355x455			mm
40	Shaft end demensions (DxExF)	φ48x110x14			mm

Remarks:

MOTORELLI ELECTRIC MOTORS			SCALE		
			DATE		REVISION
Y3 180L-4 22 kW 4 P 400 V 50 Hz	DRAWN		DRAWING NO.		
	APP'D	Mark			
	CHECKED	MENG			