

STANDARD MOTOR DATA



No.	Definition	Data			
1	Product	Three phase induction motor			
2	Efficiency class	IE1			
3	Type / Frame	Y3 225S/M2-4			
4	Rated output	45	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	1475	rpm		
13	Rated current	79.9	Amps		
14	Ist/In	7.2			
15	Starting current	576	Amps		
16	Full Load torque	291.4	N·m		
17	Tst/Tn	2.2			
18	Locked rotor torque	641.0	N·m		
19	Locked rotor time	12	s		
20	Tmax/Tn	2.3			
21	Maximum torque	670.1	N·m		
22	Moment of inertia of rotor	0.4690	kg·m ²		
	Load characteristics (IEC 60034-2-1)	Load %	Current A	Efficiency %	Power Factor
23		100	79.9	93.4	0.87
24		75	61.4	93.3	0.85
25		50	44.4	92.5	0.79
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	6313 C3 / 6313 C3			
32	Type of Grease	No. 3 Lithum grease			
33	Sound pressure level (Lp dB(A) 1m)	81	dB(A)		
34	Position of terminal box	Top / L / H			
35	Direction of rotation	Bi-directional			
36	Winding PTC	yes			
37	Bearings with regreasing nipple	yes			
38	Total weight of motor	313	kg		
39	Outline dimensions(LxWxH)	845x435x560			mm
40	Shaft end demensions (DxExF)	φ60x140x18			mm

Remarks:

MOTORELLI ELECTRIC MOTORS			SCALE		
			DATE		REVISION
Y3 225S/M2-4 45 kW 4 P			DRAWN		DRAWING NO.
			APP'D	Mark	
400 V 50 Hz DATA			CHECKED	MENG	