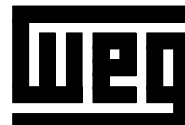


DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22Xdb Flameproof - Standard Efficiency IE1 Multivoltage Product code : 13493944

Frame	: 112M	Cooling method	: TEFC-XP
Insulation class	: F	Mounting	: B3T
Duty cycle	: S1	Direct of rotation ¹	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l	Approx. weight ³	: 70.2 kg
Degree of protection	: IP56	Moment of inertia (J)	: 0.0081 kgm ²
Design	: N		

Output	4 kW (5.5 HP)	4 kW (5.5 HP)	4 kW (5.5 HP)
Poles	2	2	2
Frequency	50 Hz	50 Hz	50 Hz
Rated voltage	380/660 V	400/690 V	415 V
Rated current	8.08/4.65 A	7.81/4.53 A	7.72 A
L. R. Amperes	54.9/31.6 A	53.1/30.8 A	52.5 A
LRC (p.u.)	6.8	6.8	6.8
No load current	2.60/1.50 A	2.80/1.62 A	3.10 A
Rated speed	2885 rpm	2900 rpm	2910 rpm
Slip	3.83 %	3.33 %	3.00 %
Rated torque	1.35 kgfm	1.34 kgfm	1.34 kgfm
Locked rotor torque	210 %	240 %	260 %
Breakdown torque	260 %	300 %	320 %
Service factor	1.00	1.00	1.00
Noise level ²	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Locked rotor time	9 s (hot) 16 s (cold)	9 s (hot) 16 s (cold)	9 s (hot) 16 s (cold)
Efficiency (%)	50%	83.0	82.0
	75%	84.2	84.0
	100%	84.5	85.0
Power factor	Start	0.58	0.58
	50%	0.77	0.71
	75%	0.86	0.82
	100%	0.89	0.87

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type	6207-ZZ	6206-ZZ	Maximum traction : 55 kgf
Lubrication interval	-	-	Maximum compression : 125 kgf
Lubricant amount	-	-	
Lubricant type	MOBIL POLYREX EM		

This revision replaces and cancels the previous one, which must be eliminated.

(1) When viewed from the drive end.

(2) Measured at 1m and with tolerance of +3dB(A).

(3) Approximate weight subject to changes after manufacturing process.

(4) At the rated point.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

Rev.	Summary of changes		Performed	Checked	Date
Performed by	t-aikah		064294/2021-A Page Revision 3/2 0		
Checked by	AUTOMATICO				
Date	09/03/2021				

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