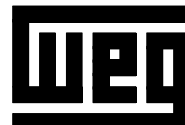


DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22Xdb Flameproof - Standard Efficiency IE1 Multivoltage Product code : 13514251

Frame : 132S/M	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 : 104 kg
Degree of protection : IP56	Moment of inertia (J) : 0.0234 kgm ²
Design : N	

Output	7.5 kW (10 HP)	7.5 kW (10 HP)	7.5 kW (10 HP)
Poles	2	2	2
Frequency	50 Hz	50 Hz	50 Hz
Rated voltage	380/660 V	400/690 V	415 V
Rated current	14.8/8.52 A	14.4/8.35 A	14.4 A
L. R. Amperes	94.7/54.5 A	99.4/57.6 A	107 A
LRC (p.u.)	6.4	6.9	7.4
No load current	4.50/2.59 A	5.00/2.90 A	5.50 A
Rated speed	2910 rpm	2920 rpm	2930 rpm
Slip	3.00 %	2.67 %	2.33 %
Rated torque	2.51 kgfm	2.50 kgfm	2.49 kgfm
Locked rotor torque	210 %	230 %	250 %
Breakdown torque	230 %	260 %	280 %
Service factor	1.00	1.00	1.00
Noise level ²	68.0 dB(A)	68.0 dB(A)	68.0 dB(A)
Locked rotor time	11 s (hot) 20 s (cold)	11 s (hot) 20 s (cold)	11 s (hot) 20 s (cold)
Efficiency (%)	50%	86.3	85.5
	75%	86.5	86.5
	100%	86.5	86.5
Power factor	Start	0.49	0.49
	50%	0.78	0.72
	75%	0.86	0.82
	100%	0.89	0.87

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type	6308-ZZ	6207-ZZ	Maximum traction : 77 kgf
Lubrication interval	-	-	Maximum compression : 181 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			064626/2021-A	
Checked by	AUTOMATICO			Page	Revision
Date	09/03/2021			3/2	0

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization.