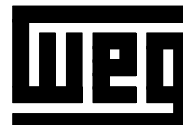


DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : _____

Product line : W22Xdb Flameproof - Standard Efficiency IE1 Multivoltage Product code : 13493498

Frame	: 90S/L	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	: 42.6 kg
Degree of protection	: IP56	Moment of inertia (J)	: 0.0066 kgm ²
Design	: N		

Output	1.5 kW (2 HP)	1.5 kW (2 HP)	1.5 kW (2 HP)
Poles	4	4	4
Frequency	50 Hz	50 Hz	50 Hz
Rated voltage	220/380 V	230/400 V	240/415 V
Rated current	6.36/3.68 A	6.47/3.72 A	6.55/3.79 A
L. R. Amperes	38.1/22.1 A	40.1/23.1 A	41.3/23.9 A
LRC (p.u.)	6.0	6.2	6.3
No load current	3.97/2.30 A	4.87/2.80 A	5.53/3.20 A
Rated speed	1448 rpm	1454 rpm	1457 rpm
Slip	3.47 %	3.07 %	2.87 %
Rated torque	1.01 kgfm	1.00 kgfm	1.00 kgfm
Locked rotor torque	190 %	210 %	220 %
Breakdown torque	250 %	290 %	310 %
Service factor	1.00	1.00	1.00
Noise level ²	49.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Locked rotor time	8 s (hot) 14 s (cold)	8 s (hot) 14 s (cold)	8 s (hot) 14 s (cold)
Efficiency (%)	50%	74.5	72.5
	75%	77.5	77.5
	100%	77.5	77.5
Power factor	Start	0.83	0.83
	50%	0.57	0.46
	75%	0.71	0.60
	100%	0.80	0.71

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type	6205-ZZ	6204-ZZ	Maximum traction : 68 kgf
Lubrication interval	-	-	Maximum compression : 110 kgf
Lubricant amount	-	-	
Lubricant type	MOBIL POLYREX EM		
			FOR APPROVAL () Approved () Approved with comments () Not approved

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		062591/2021-A	
Checked by	AUTOMATICO		Page	Revision
Date	07/03/2021		3/2	0