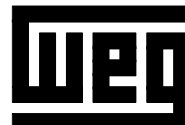


DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22Xdb Flameproof - Standard Efficiency IE1 Multivoltage Product code : 14947496

Frame : 180M/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 : 242 kg
Degree of protection : IP56	Moment of inertia (J) : 0.1398 kgm ²
Design : N	

Output	18.5 kW (25 HP)	18.5 kW (25 HP)	18.5 kW (25 HP)
Poles	4	4	4
Frequency	50 Hz	50 Hz	50 Hz
Rated voltage	380/660 V	400/690 V	415 V
Rated current	37.2/21.4 A	36.1/20.9 A	36.6 A
L. R. Amperes	260/150 A	271/157 A	285 A
LRC (p.u.)	7.0	7.5	7.8
No load current	14.7/8.46 A	17.0/9.86 A	19.5 A
Rated speed	1465 rpm	1470 rpm	1470 rpm
Slip	2.33 %	2.00 %	2.00 %
Rated torque	121 Nm	120 Nm	120 Nm
Locked rotor torque	240 %	270 %	290 %
Breakdown torque	280 %	310 %	330 %
Service factor	1.00	1.00	1.00
Noise level ²	61.0 dB(A)	61.0 dB(A)	61.0 dB(A)
Locked rotor time	12 s (hot) 22 s (cold)	12 s (hot) 22 s (cold)	12 s (hot) 22 s (cold)
Efficiency (%)	50%	88.0	87.0
	75%	89.5	89.0
	100%	90.0	90.2
Power factor	Start	0.48	0.48
	50%	0.70	0.59
	75%	0.80	0.71
	100%	0.84	0.78

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type	6311-C3	6309-C3	Maximum traction : 4505 N
Lubrication interval	20000 h	20000 h	Maximum compression : 6874 N
Lubricant amount	18 g	13 g	
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		064190/2021-A	
Checked by	AUTOMATICO		Page	Revision
Date	09/03/2021		3/2	0

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