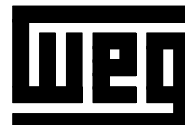


DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W22Xdb Flameproof - Standard Efficiency IE1 Multivoltage Product code : 13493940				
Frame : 90S/L Insulation class : F Duty cycle : S1 Ambient temperature : -20 °C to +40 °C Altitude : 1000 m.a.s.l Degree of protection : IP56 Design : N		Cooling method : TEFC-XP Mounting : B3T Direct of rotation ¹ : Both Starting method : Direct On Line Approx. weight ³ : 42.5 kg Moment of inertia (J) : 0.0026 kgm ²		
Output	2.2 kW (3 HP)	2.2 kW (3 HP)	2.2 kW (3 HP)	2.2 kW (3 HP)
Poles	2	2	2	2
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Rated voltage	220/380 V	230/400 V	240/415 V	240/415 V
Rated current	8.05/4.66 A	7.97/4.58 A	7.94/4.59 A	7.94/4.59 A
L. R. Amperes	49.9/28.9 A	53.4/30.7 A	57.1/33.0 A	57.1/33.0 A
LRC (p.u.)	6.2	6.7	7.2	7.2
No load current	3.28/1.90 A	3.83/2.20 A	4.50/2.60 A	4.50/2.60 A
Rated speed	2845 rpm	2870 rpm	2880 rpm	2880 rpm
Slip	5.17 %	4.33 %	4.00 %	4.00 %
Rated torque	0.753 kgfm	0.747 kgfm	0.744 kgfm	0.744 kgfm
Locked rotor torque	220 %	250 %	270 %	270 %
Breakdown torque	250 %	290 %	310 %	310 %
Service factor	1.00	1.00	1.00	1.00
Noise level ²	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Locked rotor time	7 s (hot) 13 s (cold)	7 s (hot) 13 s (cold)	7 s (hot) 13 s (cold)	7 s (hot) 13 s (cold)
Efficiency (%)	50%	81.0	81.0	80.5
	75%	81.5	81.5	81.3
	100%	81.5	81.5	81.3
Power factor	Start	0.76	0.76	0.76
	50%	0.70	0.63	0.57
	75%	0.82	0.77	0.72
	100%	0.88	0.85	0.82
Drive end Bearing type 6205-ZZ Lubrication interval - Lubricant amount - Lubricant type MOBIL POLYREX EM		Non drive end 6204-ZZ Foundation loads Maximum traction : 45 kgf Maximum compression : 87 kgf		
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
Performed by	t-aikah		064275/2021-A	
Checked by	AUTOMATICO		Page	Revision
Date	09/03/2021		3/2	0