

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Standard Alumínio Multimontagem Multitensão (Centro 6100)		Product code : 14983881			
Frame : 132S	Insulation class : F	Duty cycle : S1	Ambient temperature : -20 °C to +45 °C		
Altitude : 1000 m.a.s.l	Degree of protection : IP55	Design : N	Cooling method : IC411 - TEFC		
			Mounting : B3T		
			Direct of rotation ¹ : Both		
			Starting method : Direct On Line		
			Approx. weight ³ : 41.7 kg		
			Moment of inertia (J) : 0.0159 kgm ²		
Output	6.3 kW	6.3 kW	5.5 kW		
Poles	2	2	2		
Frequency	60 Hz	60 Hz	60 Hz		
Rated voltage	440 V	460 V	460 V		
Rated current	10.7 A	10.4 A	9.38 A		
L. R. Amperes	69.6 A	67.6 A	67.5 A		
LRC (p.u.)	6.5 x Code G	6.5 x Code G	7.2 x Code J		
No load current	4.19 A	4.80 A	4.80 A		
Rated speed	3495 rpm	3505 rpm	3520 rpm		
Slip	2.92 %	2.64 %	2.22 %		
Rated torque	17.2 Nm	17.2 Nm	14.9 Nm		
Locked rotor torque	180 %	200 %	230 %		
Breakdown torque	250 %	270 %	310 %		
Service factor	1.00	1.00	1.15		
Temperature rise ⁴	100 K	100 K	100 K		
Noise level ²	72.0 dB(A)	72.0 dB(A)	72.0 dB(A)		
Locked rotor time	11 s (hot)	11 s (hot)	11 s (hot)		
	20 s (cold)	20 s (cold)	20 s (cold)		
Efficiency (%)	50%	81.5	80.7		
	75%	84.5	83.5		
	100%	84.7	84.6		
Power factor	Start	0.46	0.46		
	50%	0.79	0.70		
	75%	0.86	0.82		
	100%	0.89	0.87		
	Drive end	Non drive end	Foundation loads		
Bearing type	6308-ZZ	6207-ZZ	Maximum traction : 764 N		
Lubrication interval	-	-	Maximum compression : 1173 N		
Lubricant amount	-	-			
Lubricant type	MOBIL POLYREX EM				
This revision replaces and cancels the previous one, which must be eliminated.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.		
(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.					
Rev.	Summary of changes		Performed	Checked	Date
Performed by			182637/2020-T		
Checked by					
Date					