

DATA SHEET

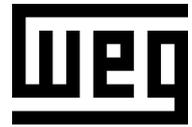


Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W21 Explosion Proof Standard Three-Phase		Product code : 10084674		
Frame	: 132S	Locked rotor time	: 39s (cold) 22s (hot)			
Output	: 3 kW (4 HP-cv)	Temperature rise	: 80 K			
Poles	: 6	Duty cycle	: S1			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 220/380 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 13.0/7.53 A	Protection degree	: IP55			
L. R. Amperes	: 80.6/46.7 A	Cooling method	: IC411 - TFVE			
LRC	: 6.2	Mounting	: B3D			
No load current	: 8.00/4.63 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1160 rpm	Noise level ²	: 55.0 dB(A)			
Slip	: 3.33 %	Starting method	: Direct On Line			
Rated torque	: 2.52 kgfm	Approx. weight ³	: 69.4 kg			
Locked rotor torque	: 210 %					
Breakdown torque	: 240 %					
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia (J)	: 0.0310 kgm ²					
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	79.0	82.0	83.0	Max. traction : 77 kgf		
Power Factor	0.53	0.64	0.73	Max. compression : 146 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6308 ZZ		6207 ZZ		
Sealing	:	Lip Seal		Lip Seal		
Lubrication interval	:	-		-		
Lubricant amount	:	-		-		
Lubricant type	:	Mobil Polyrex EM				
Notes						
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in ABNT NBR 17094.			
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	07/10/2024				1 / 2	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	07/10/2024		2 / 2	