



DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:	
Product line	:	IP55 High Efficiency IE2 (Centro 6100)
Frame	:	180L
Output	:	15 kW
Poles	:	6
Frequency	:	50 Hz
Rated voltage	:	380 V
Rated current	:	29.2 A
L. R. Amperes	:	233 A
LRC (p.u.)	:	8.0
No load current	:	11.1 A
Rated speed	:	970 rpm
Slip	:	3.00 %
Rated torque	:	148 Nm
Locked rotor torque	:	270 %
Pull up torque	:	230 %
Breakdown torque	:	300 %
Insulation class	:	F
Service factor	:	1.00
Moment of inertia (J)	:	0.3381 kgm ²
Output	Start	50% 75% 100%
Efficiency (%)	-	89.5 90.0 90.0
Power factor	0.59	0.72 0.81 0.87
Bearing type	Drive end	Non drive end
Lubrication interval	6311-C3	6211-Z-C3
Lubricant amount	20000 h	20000 h
Lubricant type	18 g	11 g
	MOBIL POLYREX EM	
Locked rotor time	:	5 s (hot) 9 s (cold)
Temperature rise ⁴	:	80 K
Duty cycle	:	S1
Ambient temperature	:	-20 °C to +40 °C
Altitude	:	1000 m.a.s.l
Degree of protection	:	IP55
Cooling method	:	IC411 - TEFC
Mounting	:	B3T
Direct of rotation ¹	:	Both
Noise level ²	:	56.0 dB(A)
Starting method	:	Direct On Line
Approx. weight ³	:	167 kg
Design	:	N
Load type	:	Parabolic torque
Load torque	:	148 Nm
Load inertia (J=GD ² /4)	:	0.3381 kgm ²
Foundation loads		
Maximum traction	:	5536 N
Maximum compression	:	7174 N

Notes:

EU REGULATION 640/2009: USE WITH VARIABLE SPEED DRIVE ONLY! VALID FOR EUROPEAN UNION ONLY

Standards	Specification	:	IEC 60034-1	Vibration	:	IEC 60034-14
	Tests	:	IEC 60034-2	Tolerance	:	IEC 60034-1
	Noise	:	IEC 60034-9			
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.						
Rev.	Summary of changes			Performed	Checked	Date
Performed by	songliang					
Checked by	AUTOMATICO					263364/2018
Date	25/01/2018			Page	Revision	
<p>Unauthorized when printed or downloaded. Verify that this is the correct version before use.</p> <p>Reproduction of part of the contents of the document is prohibited without written permission from PT. Bhumi Jeparo Service 0</p>						

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization.