DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line				n Proof NEM ncy Three-P		15488075
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 449T : 150 HP (110 kW) : 4 : 60 Hz : 230/460 V : 335/168 A : 2144/1075 A : 6.4x(Code G) : 105/52.5 A : 1783 rpm : 0.94 % : 61.1 kgfm : 190 % : 220 % : F : 1.15 : 3.05 kgm² : B		W)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 61s (cold) 34s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 80.0 dB(A) : VFD : 1233 kg
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%) Power Factor	0.000 0.00	95.4 0.76	95.8 0.83	95.8 0.86	Max. traction Max. compression	: 558 kgf : 1791 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		Drive end		322 C3 Oil Seal 330 h 50 g	Non drive end 6319 C3 Viton Seal 8000 h 45 g obil 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 NEMA MG-1.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	30/10/2024			1/3	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



_	
Customer	
Custoffici	

Thermal protection

		•		
ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	30/10/2024			2/3	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

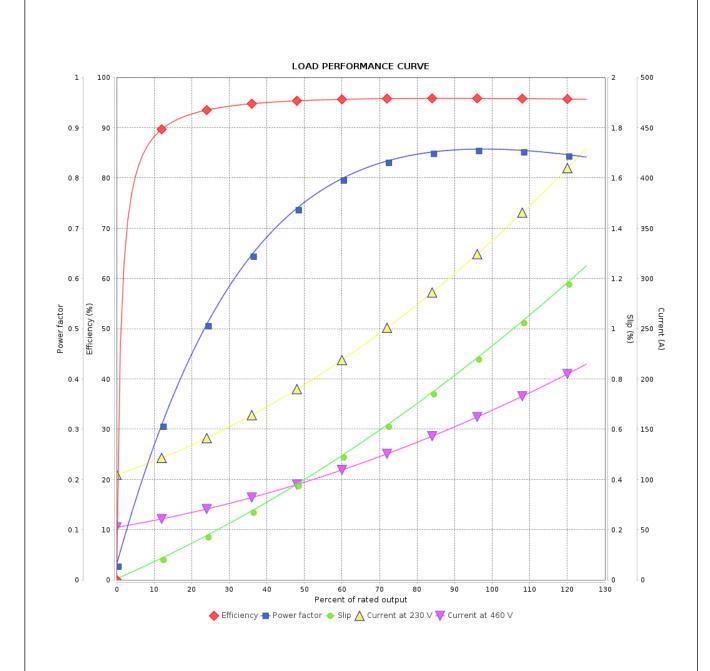


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 15488075



Performance : 230/460 V 60 Hz 4P : 335/168 A Rated current Moment of inertia (J) : 3.05 kgm² **LRC** : 6.4 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 61.1 kgfm Locked rotor torque : 190 % Service factor : 1.15 Breakdown torque : 220 % Temperature rise : 80 K Rated speed : 1783 rpm Design : B Date Rev. Performed Checked **Changes Summary** Performed by

Checked by			Page	Revision		
Date	30/10/2024		3/3			
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.						
Subject to change without notice						

