DATA SHEET



Customer	:								
Product line	: W22 NEMA Premium Efficiency Product code : 1192 Three-Phase								
Frame		· 324/	6TSC		Locked	rotor time	· 36s (cold)	20s (hot)	
					Locked rotor time : 36s (cold) 20s (hot) Temperature rise : 80 K		203 (1101)		
Output : 50 HP (37 kW)				Duty cycle : Cont.(S1)					
Poles : 2				Ambient temperature			: -20°C to +40°C		
Frequency : 60 Hz					temperature				
Rated voltage : 575 V		Altitu			: 1000 m.a.	S.I.			
Rated current : 44.9 A				on degree	: IP55				
L. R. Amperes : 283 A			Cooling method Mounting			: IC411 - TEFC			
LRC : 6.3x(Code						: F-1 : Both (CW and CCW)			
			11.2 A		Rotation ¹ Noise level ²				
Rated speed			: 3560 rpm				: 76.0 dB(A)		
Slip			: 1.11 %			method	: Direct On Line		
Rated torque		: 10.2 kgfm			Approx.	weight ³	: 253 kg		
Locked rotor tord	que	: 240	%						
Breakdown torqu		: 240	%						
Insulation class		: F							
Service factor		: 1.25							
Moment of inertia	a (.l)		22 kgm²						
Design	u (0)	: B							
Output	25%	50%	75%	100%	Foundati	on loads			
Efficiency (%)	0.000	93.0	93.0	93.0	Max. trac	tion	: 181 kgf		
Power Factor 0.00				0.89		npression	: 434 kgf		
	0.00		0.07		IVIGA. OOII	приссения	. 10 1 kgi		
_osses at normat	tive operati	ing points	(speed;tord	que), in perce	entage of ra	ated output power			
P1 (0,9;1,0)	P2 (0,5	:1.0)	P3 (0,25;1,	0) P4 (0),9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,2	
6.8	4.4		3.5		1.1	2.0	1.5	0.7	
l		<u>l</u>	Drive	e end		Non drive end	d		
Bearing type		:	63	12 C3	6212 C3				
Sealing :		:	V'Ring		V'Ring				
Lubrication interval		:	: 12000 h 1						
Lubricant amount		:	: 21 g			13 g			
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 NEMA MG-1.				
Rev.		Ch	anges Sum	nmary		Performed	Checked	Date	
-			J = 2 =	,			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	
		I							
Performed by							1		

Checked by			Page	Revision					
Date	19/10/2024		1/2						
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.									
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.									

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Revision

Page

2/2

Customer :

Checked by

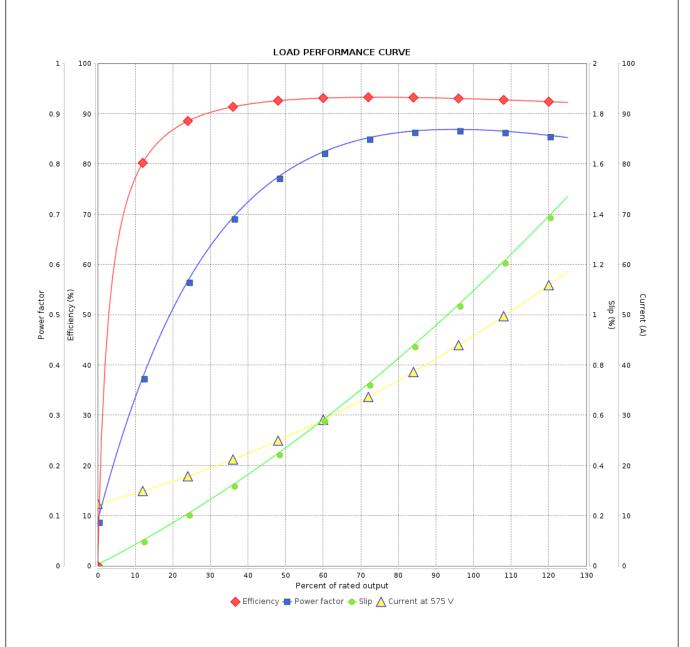
Date

19/10/2024

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11924002



Performance : 575 V 60 Hz 2P : 0.2422 kgm² Rated current : 44.9 A Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 6.3 Insulation class Rated torque : 10.2 kgfm : F Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 3560 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

