DATA SHEET

Checked by

Date

22/10/2024



Customer	:						
Product line		: W22 IEEE 841 NEMA Premium Product code : Efficiency Three-Phase					
		<u> </u>		l a alca d		. 27- (14)	45- (h-+)
Frame		: 284/6TS		Locked rotor time		: 27s (cold) 15s (hot)	
Output		: 30 HP (22 kW)		Temperature rise		: 80 K	
Poles		: 2		Duty cyc		: Cont.(S1)	40%
Frequency		: 60 Hz : 575 V		Ambieni	temperature	: -20°C to + : 1000 m.a.s	
Rated voltage				Protection degree		: IP56	
Rated current		: 27.7 A		Cooling method		: IC411 - TEFC	
L. R. Amperes		: 174 A				: F-1	
LRC		: 6.3x(Code G)		Mounting Rotation¹			
No load current		: 7.92 A		Noise level ²		: Both (CW and CCW) : 72.0 dB(A)	
Rated speed		: 3549 rpm		Starting method		: Direct On Line	
Slip		: 1.42 %		Approx. weight ³		: 181 kg	
Rated torque		6.13 kgfm 240 %		Approx.	weight	. To Fkg	
Locked rotor tord	•						
Breakdown torque Insulation class	ie :	250 %					
Service factor							
		1.25					
Moment of inertial Design	a (J) :	0.1419 kgm²					
Design							
Output	50%	75% 100	%	Foundati	on loads		
Efficiency (%)	91.7	91.7 91.7	7	Max. trac	tion	: 128 kgf	
Power Factor	0.77	0.85 0.87	7	Max. con	npression	: 310 kgf	
Lacas at narmat	ive energting no	into (ana aditaraya	\ in norse	ntogo of re	atad autnut navvan		
		ints (speed;torque					D7 (0.05:0.05)
P1 (0,9;1,0) 8.5	P2 (0,5;1,0) 6.7	P3 (0,25;1,0) 6.4		,9;0,5) I.2	P5 (0,5;0,5) 2.5	P6 (0,5;0,25) 1.6	P7 (0,25;0,25)
0.5	0.7			+.Z		_	1.0
Boaring type		<u>Drive ei</u> 6311 (Non drive end 6211 C3	<u>1</u>	
Bearing type Sealing		Inpro/Seal			Inpro/Seal		
Lubrication interv		14000			17000 h		
Lubricant amoun		: 18 g		11 g			
Lubricant type		10 8		bil Polyrex			
Notes	·						
must be eliminate	ed.	the previous one,	which	power si		s based on tests w ne tolerances stipu	
(3) Approximate v manufacturing pro (4) At 100% of ful	Im and with tole weight subject to ocess.	rance of +3dB(A). changes after		MG-1.			
Rev.		Changes Summa	ary		Performed	Checked	Date
l l							

Page

1/2

Revision

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

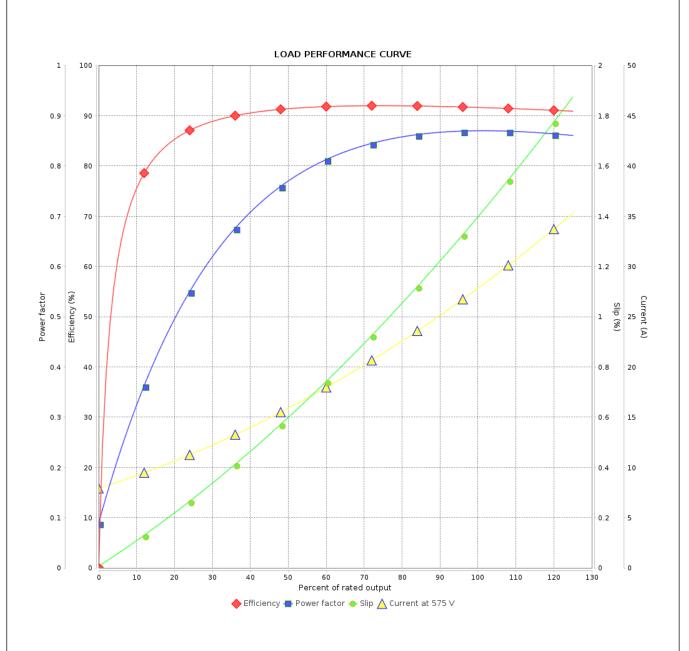


Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 13906220



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 27.7 A : 6.3 : 6.13 kgfm : 240 % : 250 % : 3549 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1419 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

2/2

22/10/2024

Date