## DATA SHEET



Customer	:							
		W22 NEMA Premiu hree-Phase	2 NEMA Premium Efficiency Product code : e-Phase				11616140	
Frame	:4	104/5TS		Locked	rotor time	: 25s (cold)	14s (hot)	
Output	: '	: 100 HP (75 kW)		Temperature rise		: 80 K		
Poles		:2		Duty cycle		: Cont.(S1)		
Frequency		: 60 Hz		Ambient temperature		: -20°C to +40°C		
Rated voltage		: 575 V		Altitude .		: 1000 m.a.s.l.		
Rated current		: 89.6 A		Protection degree		: IP55		
L. R. Amperes		: 582 A		Cooling method		: IC411 - TEFC		
LRC		: 6.5x(Code G)		Mounting		: F-1		
No load current		: 20.8 A		Rotation <sup>1</sup>		: Both (CW and CCW)		
Rated speed	: 3	: 3545 rpm		Noise level <sup>2</sup>		: 79.0 dB(A)		
Slip	:	1.53 %		Starting method		: Direct On Line		
Rated torque	: 2	20.5 kgfm		Approx.	weight <sup>3</sup>	: 499 kg		
Locked rotor tord		240 %						
Breakdown torqu		260 %						
Insulation class	: 1							
Service factor		1.25						
Moment of inertia		).5561 kgm²						
Design	: 6	3						
Output	50%	75% 100%		Foundati	on loads			
Efficiency (%)		94.1 94.1		Max. traction		: 274 kgf		
Power Factor		0.88 0.89		Max. compression		: 773 kgf		
osses at normat	tive operating poi	nts (speed;torque),	in perce	ntage of r	ated output power			
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	-	,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25	
5.9	4.6	4.4		.8	1.6	0.9	0.5	
0.0	7.0	1					0.0	
Bearing type		<u>Drive end</u> 6314 C3	='		Non drive end 6314 C3	<u></u>		
Sealing		WSeal			WSeal			
Lubrication inter	val :	4000 h			4000 h			
Lubricant amoun		27 g			27 g			
Lubricant type	:	g	Mol	bil Polyrex				
Notes								
		the previous one, w	hich		re average values			
nust be eliminate					upply, subject to th	e tolerances stipu	ılated in NEM	
	notor from the sha			MG-1.				
		ance of +3dB(A).						
(3) Approximate \		changes after						
manufacturing pro								
4) At 100% of ful	ıı ıoad.							
		Changes Summary			Performed			

` `					
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	21/10/2024			1/2	

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

21/10/2024

Product line : W22 NEMA Premium Efficiency

Three-Phase

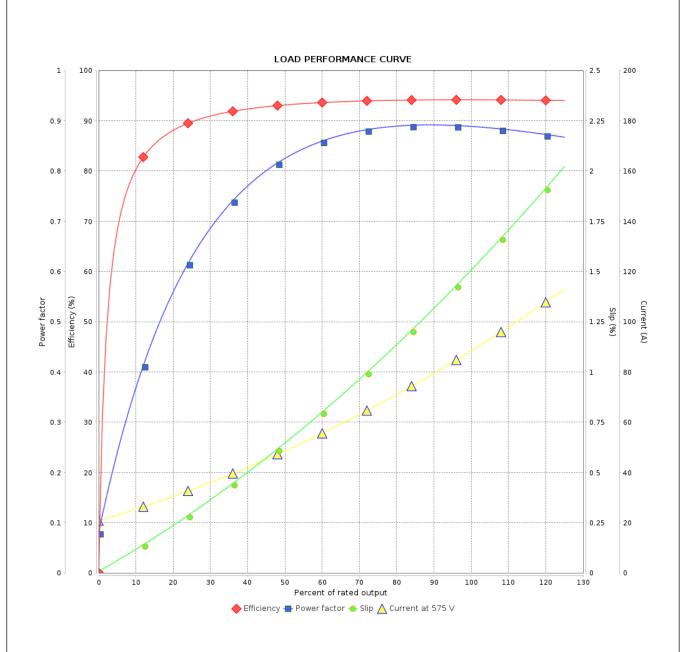
Product code :

11616140

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Revision



: 575 V 60 H	z 2P			
	Duty cycle Insulation Service fa	e class actor	: 0.5561 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
Changes	Changes Summary		Checked	Date
	: 89.6 A : 6.5 : 20.5 kgfm ue : 240 % e : 260 % : 3545 rpm	: 6.5 : 20.5 kgfm : 240 % : 260 % : 3545 rpm  Duty cycle Insulation Service fa Temperati	: 89.6 A  : 6.5  Duty cycle  : 20.5 kgfm  ue  : 240 %  e  : 260 %  : 3545 rpm  Moment of inertia (J)  Duty cycle  Insulation class  Service factor  Temperature rise  Design	: 89.6 A       Moment of inertia (J)       : 0.5561 kgm²         : 6.5       Duty cycle       : Cont.(S1)         : 20.5 kgfm       Insulation class       : F         ue       : 240 %       Service factor       : 1.25         e       : 260 %       Temperature rise       : 80 K         : 3545 rpm       Design       : B

