DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: W21 Explosion Proof NEMA Premium Efficiency Three-Pha					14541662	
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		: 143/5TC : 2 HP (1.5 kW) : 2 : 60 Hz : 575 V : 2.15 A : 19.8 A : 9.2x(Code L) : 0.840 A : 3490 rpm : 3.06 % : 0.416 kgfm : 360 % : 400 % : F : 1.15 : 0.0023 kgm ² : B			Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³		: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 68.0 dB(A) : Direct On Line : 33.3 kg	
Output	50%	75%	100%)	Foundat	ion loads		
Efficiency (%) 80.0 Power Factor 0.64		84.085.50.760.82			Max. traction Max. compression		: 31 kgf : 64 kgf	
 ∟osses at norma	tive operating r	oints (spee	ed;torque).	in perce		ated output power		
P1 (0,9;1,0) 15.3	P2 (0,5;1,0) 10.8	P3 (0	,25;1,0) 0.1	P4 (0	,9;0,5) .0	P5 (0,5;0,5) 4.8	P6 (0,5;0,25) 3.4	P7 (0,25;0,25 2.0
Bearing type Sealing	: : :		6205 2R Oil Sea			6204 2RS Lip Seal	_	
Sealing Lubrication inter Lubricant amoun Lubricant type Notes Notes This revision rep nust be eliminat 1) Looking the r 2) Measured at 3) Approximate	nt : : laces and canc ed. notor from the s 1m and with tol weight subject	shaft end. erance of +	Oil Sea - - - - - ous one, w -3dB(A).	S I Mot		Lip Seal - -	based on tests w	
Sealing Lubrication inter Lubricant amoun Lubricant type Notes Notes This revision rep nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing pr	nt : Iaces and cance ed. notor from the so 1m and with tool weight subject rocess.	shaft end. erance of + to changes	Oil Sea - - - - - ous one, w -3dB(A).	S I Moł	These a power s	Lip Seal - x EM	based on tests w	
Sealing Lubrication inter Lubricant amoun Lubricant type Notes Notes This revision rep nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing pi 4) At 100% of fu	nt : Iaces and cance ed. notor from the so 1m and with tool weight subject rocess.	shaft end. erance of + to changes	Oil Sea - - - - ous one, w -3dB(A). after	S I Moł	These a power s	Lip Seal - x EM	based on tests w	ulated in NEMA

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	Application	Thermal protection	Oursette	0 arraine		
ID 1	Application	Type	Quantity		Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C	
Rev.	Changes	Summary	Performed	Checked	Date	
Performed by						
Checked by				Page	Revision	
Date	28/10/2024			2/3		

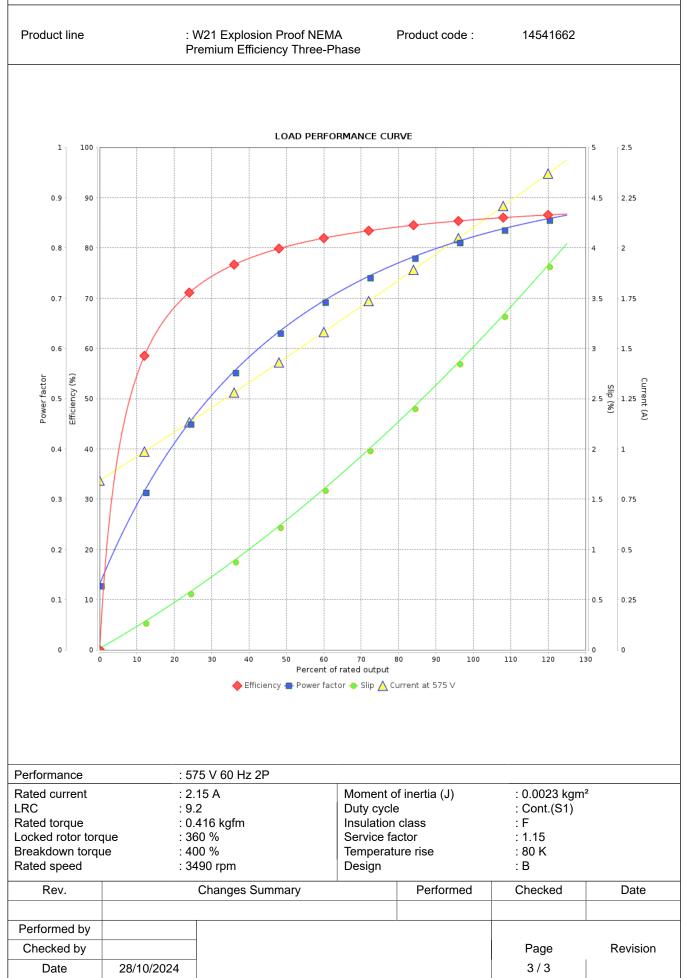


LOAD PERFORMANCE CURVE

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Customer



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