DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W21 Explosion Proo Premium Efficiency Tl			Product code :	1421758	88	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 213/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 91.1 kg : 0.0198 kgm²		
Output [HP]		7.5		7.5	7.	5	7.5	
Poles		2	2		2		2	
Frequency [Hz]		60		50	5		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		17.3/8.67		10.4	10	0.0	9.61	
L. R. Amperes [A]		125/62.4		64.5	68	0.0	71.1	
LRC [A]		7.2x(Code H)	6.2	2x(Code G)	6.8x(C	ode G)	7.4x(Code H)	
No load current [A]		5.50/2.75		2.65	2.8	85	2.95	
Rated speed [RPN	Л]	3535		2910	29		2925	
Slip [%]		1.81		3.00	2.0		2.50	
Rated torque [kgfn		1.54		1.87	1.8		1.86	
Locked rotor torque [%]		229		180	20		210	
Breakdown torque [%]		300		229	26	60	290	
Service factor		1.15		1.00	1.0		1.00	
Temperature rise		80 K		80 K	80		80 K	
Locked rotor time			41s (cold) 23s (hot) 46s (· · ·	46s (cold) 26s (hot	
Noise level ²		72.0 dB(A)	6	7.0 dB(A)	67.0 0	dB(A)	67.0 dB(A)	
	25%	-						
Efficiency (%)	50%	85.5		86.5	86		86.5	
Enciency (70)	75%	88.5		87.5	88		88.5	
	100%	89.5		89.0	89	.2	89.5	
	25%							
Power Factor	50%	0.78		0.83	0.8		0.79	
	75%	0.86		0.88	0.8		0.86	
	100%	0.89		0.90	0.0	89	0.89	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6308 2RS 620	6308 2RS 6207 2RS Oil Seal Lip Seal		Foundation loadsMax. traction: 52 kgfMax. compression: 147 kgf			
Notes USABLE @208V	19.8A SF 1.			<u> </u>				
must be eliminate (1) Looking the m	ed. lotor from the Im and with to veight subjec ocess.	olerance of +3dB(A). t to changes after			pply, subject to th	e tolerances s	s with sinusoidal stipulated in NEMA	
Rev.	Changes Summary				Performed	Checked	Date	
Performed by								
Checked by						Page	Revision	
Date	28/10/2024	1				1/6		
Date	20/10/2024	*				1/0		

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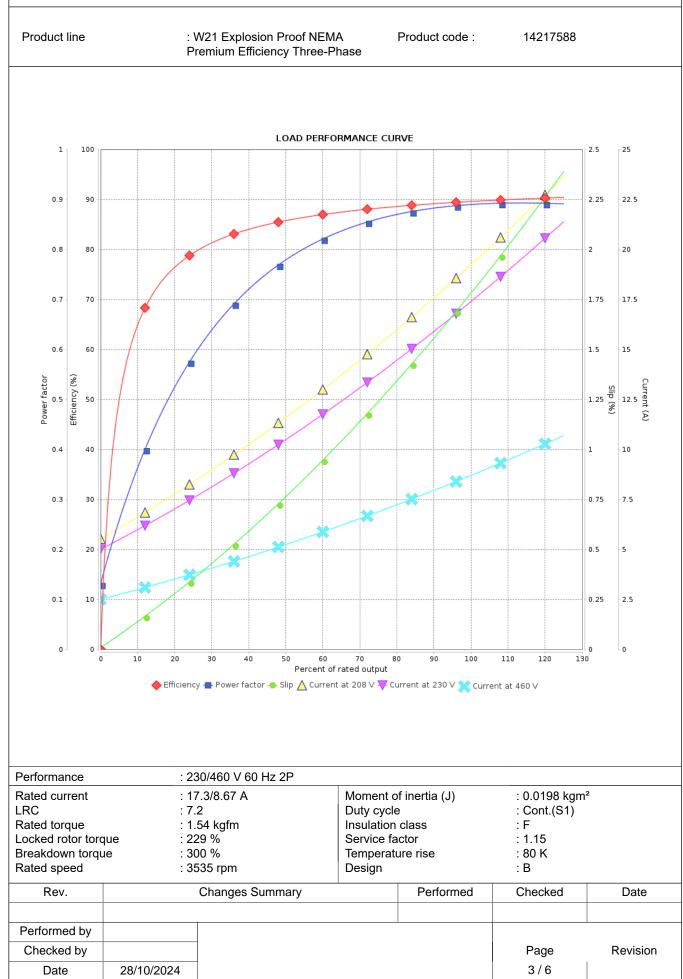
ID	Application	Quantity	Sensing Temperature		
1	Winding	Type Thermostat - 2 wires	1 x Phase		55 °C
Rev.	Chang	jes Summary	Performed	Checked	Date
Performed by Checked by				Page	Revision



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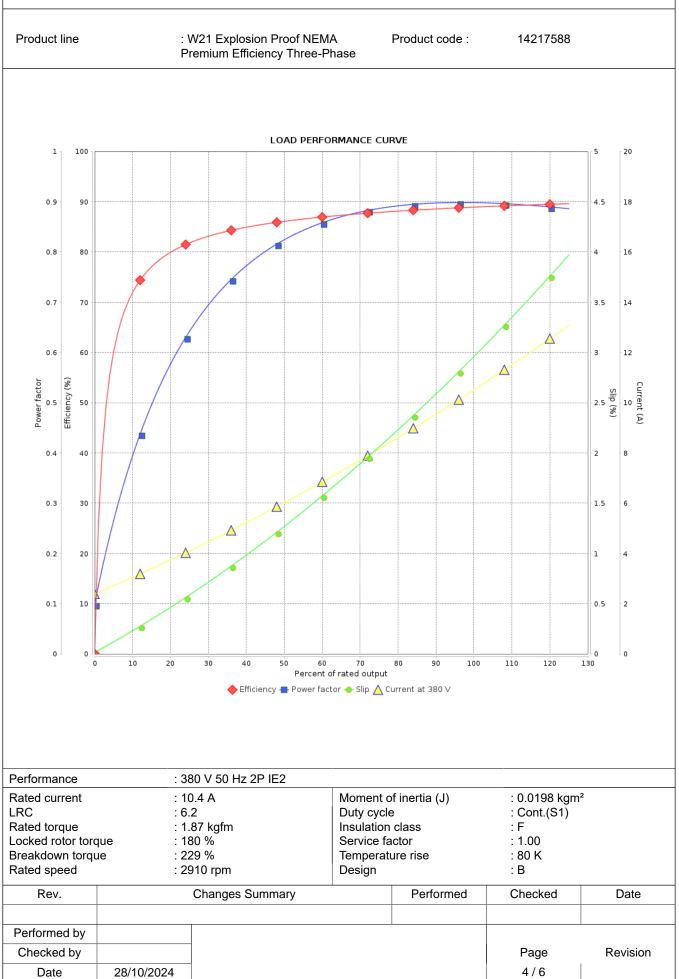
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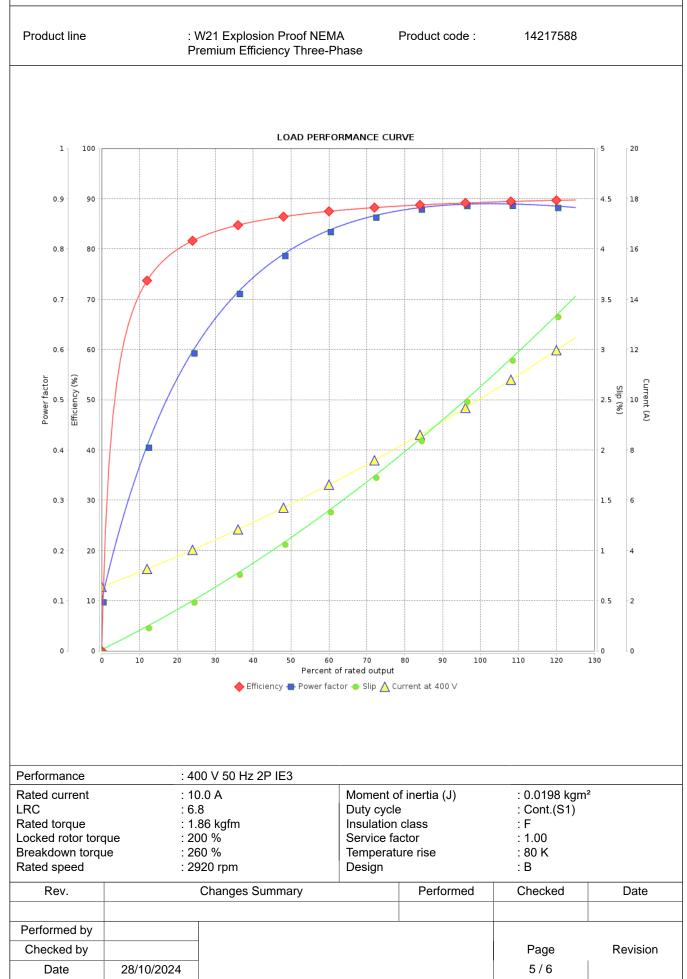


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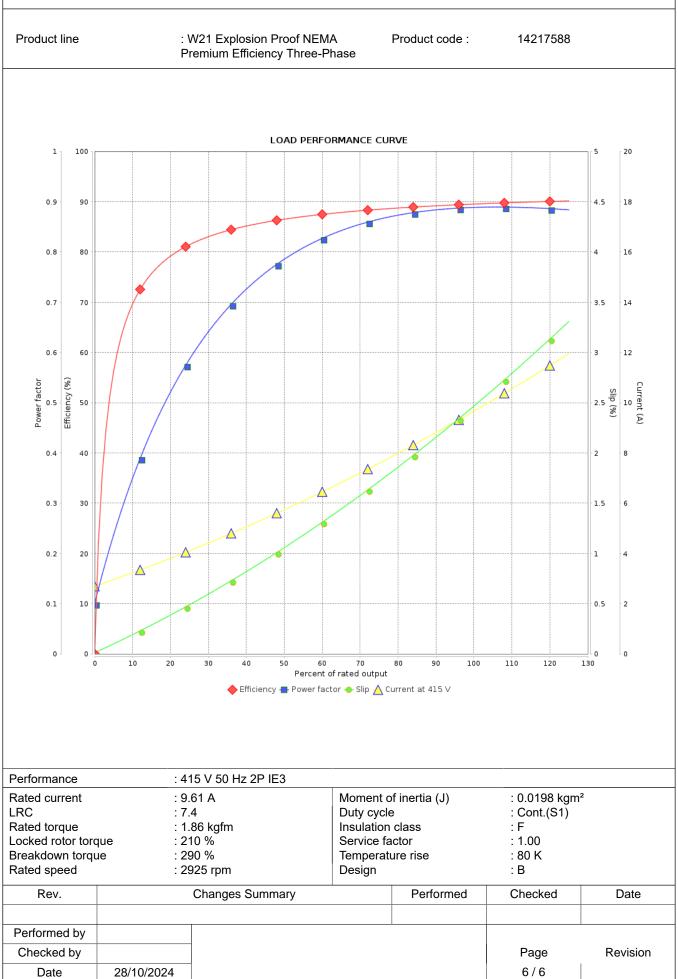
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