DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		Explosion Proof NEMA I ncy Three-Phase	Premium	ı Pro	oduct code :	118081	167		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 504/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : A		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 : 1082 kg : 3.21 kgm ²			
•			· · · · · ·		· · · · -				
Output [HP]		200		150	15			150	
Poles		4	4			4 50		4	
Frequency [Hz]			60						
Rated voltage [V]			230/460		40		415		
Rated current [A]		460/230		208	20		197		
R. Amperes [A]		3128/1564		1518	15			1576	
LRC [A]		6.8x(Code G)	7.3	Bx(Code H)		7.6x(Code H)		8.0x(Code J)	
No load current [A]		148/74.0		73.0 1485	77		81.0		
Rated speed [RPN	/]		1782		1487		1488		
Slip [%]		1.00				0.87		0.80	
Rated torque [kgfn		81.5	73.3		73	.2		73.2	
Locked rotor torque [%]		210				250		280	
Breakdown torque [%]		229			28	0		310	
Service factor		1.15		250 1.00	1.0		1.00		
Temperature rise		80 K		80 K	80		80 K		
Locked rotor time		52s (cold) 29s (hot)	70s (c	cold) 39s (hot			63s (c	old) 35s (hot)	
Noise level ²		82.0 dB(A)		2.0 dB(A)	82.0 c			2.0 dB(A)	
	25%					. /			
	50%	95.8		95.4	95.4		95.4		
Efficiency (%)	75%	96.2		95.4		95.8		95.8	
	100%	96.2		95.8		95.8		95.8	
	25%	00.2		00.0	30			55.5	
	50%	0.72		0.70	0.4	5 0.61		0.61	
Power Factor	75%	0.72		0.70		0.65 0.75 0.82		0.73	
Bearing type	100%		<u>ive end</u> 16 C3	0.84 Foundation	loads		kaf	0.81	
Sealing		: Viton Vito Oil Seal	Viton Viton Seal Oil Seal		Max. traction: 1244 kgfMax. compression: 2326 kgf				
Lubrication interval Lubricant amount Lubricant type			569 h 34 g =M						
Notes USABLE @208V	509A SF 1.0								
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec ocess.	ncel the previous one, when shaft end. olerance of +3dB(A). ot to changes after	hich		average values bly, subject to th				
Rev.		Changes Summary			Performed	Checke	d	Date	
Performed by									
Checked by						Page		Revision	
Date	13/01/202	4				1/6	1		
Dale	13/01/202					1/0			

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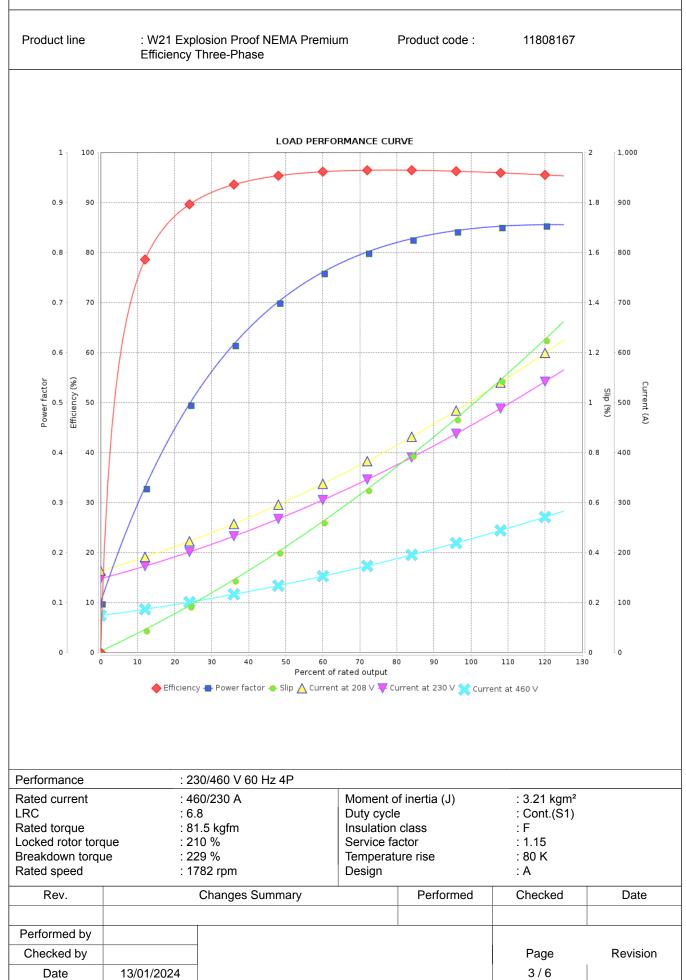
ID	Application	Туре	Quantity	Sensing Temperate	
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
-					
Deri	0	Cummoni	Deut	Oha sha t	Det
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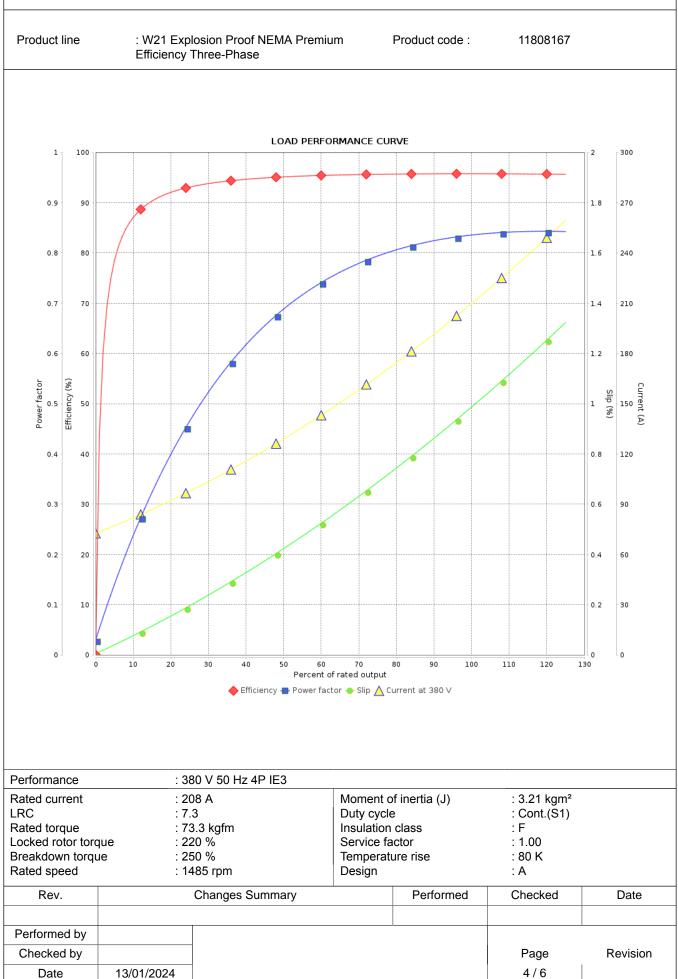
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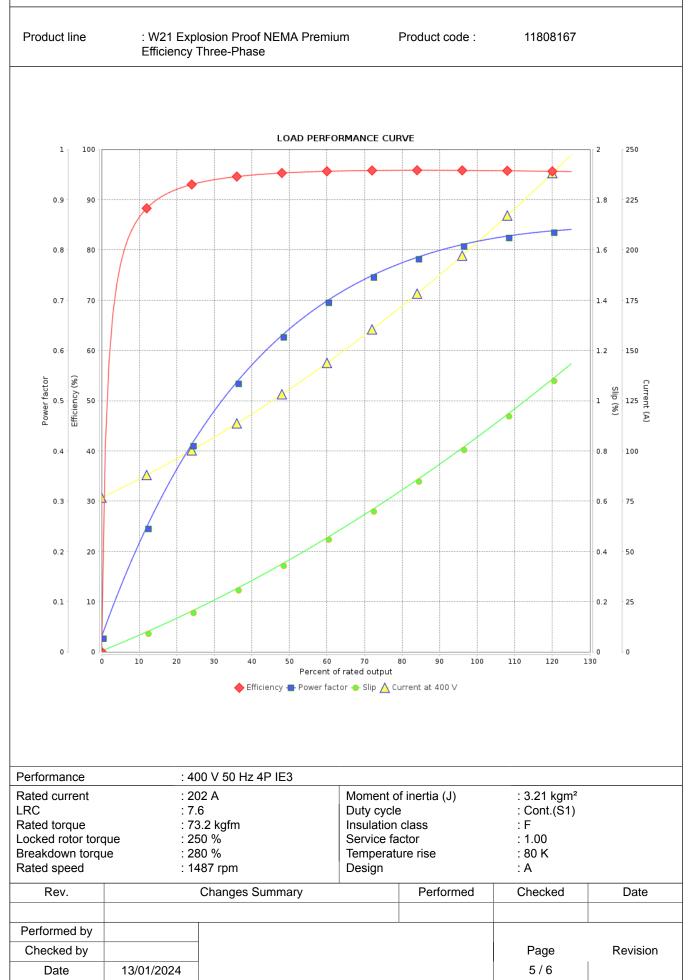


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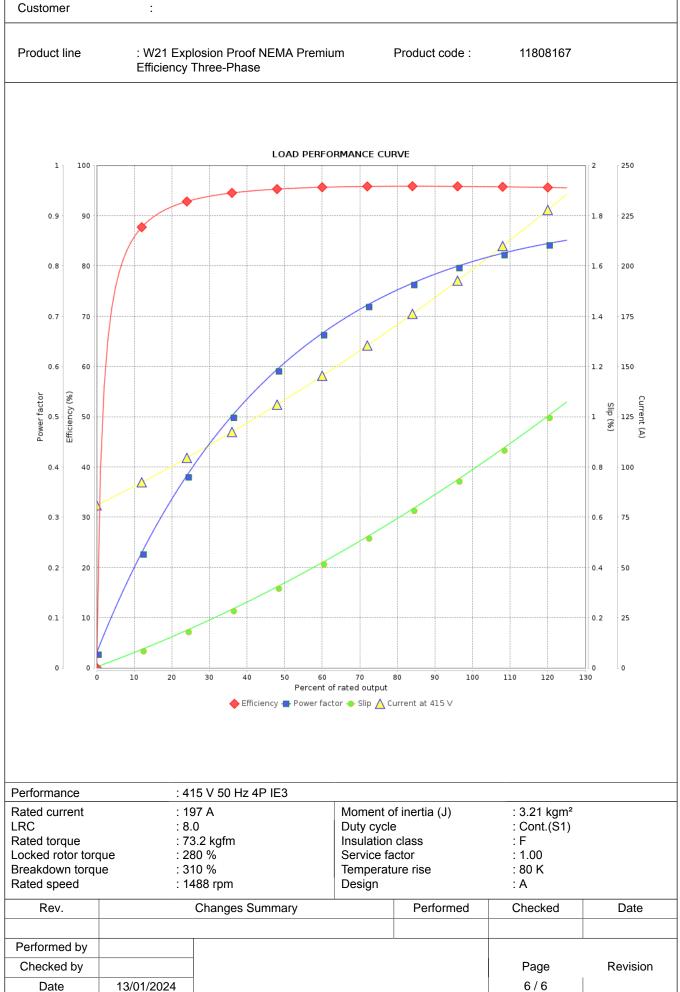


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