DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W21 Explosion Proo Premium Efficiency Tl			oduct code :	1440864	49		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 256TC : 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 : 164 kg : 0.0611 kgm²			
-			·	20		0	20		
Output [HP]		20		20 2	20		20		
		60		 50	5		50		
Frequency [Hz]		230/460		380	40		415		
Rated voltage [V] Rated current [A]		46.4/23.2		27.8	26		25.8		
L. R. Amperes [A]		288/144		136	14		157		
		6.2x(Code G)	4.9x(Code D)		5.5x(C		6.1x(Code G)		
LRC [A] No load current [A]		13.4/6.70	6.40		6.8		7.20		
Rated speed [RPM]		3530		2900	29		2920		
Slip [%]		1.94		3.33	3.0		2.67		
Rated torque [kgfm]		4.11		5.01	4.9		4.97		
Locked rotor torque [%]		200		140	16		180		
Breakdown torque [%]		250		190	21		229		
Service factor		1.15		1.00	1.0		1.00		
Temperature rise		80 K		80 K	80		80 K		
Locked rotor time		46s (cold) 26s (hot)	305 (0	old) 17s (hot			30s (cold) 17s (hot		
Voise level ²		75.0 dB(A)		0.0 dB(A)	70.0 c		70.0 dB(A)		
	25%								
Efficiency (%)	50%	90.2		90.2		.2	90.2		
	75%	91.0		91.0	91		91.0		
	100%	91.0		91.0	91		91.0		
	25%	01.0		00			01.0		
Power Factor	50%	0.79		0.83	0.8	31	0.79		
	75%	0.86		0.88	0.0		0.86		
	100%	0.89	1	0.90	0.9		0.89		
Bearing type Sealing		<u>Drive end</u> <u>Non dr</u> : 6309 C3 624 : Oil Seal Lip	Drive endNon drive end6309 C36209 C3						
Lubrication interval Lubricant amount Lubricant type			447 h 9 g EM						
Notes USABLE @208V	50.6A SF 1.	10 SFA 55.6A							
must be eliminate (1) Looking the m	d. otor from the m and with t veight subjec ocess.	olerance of +3dB(A).	hich				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			

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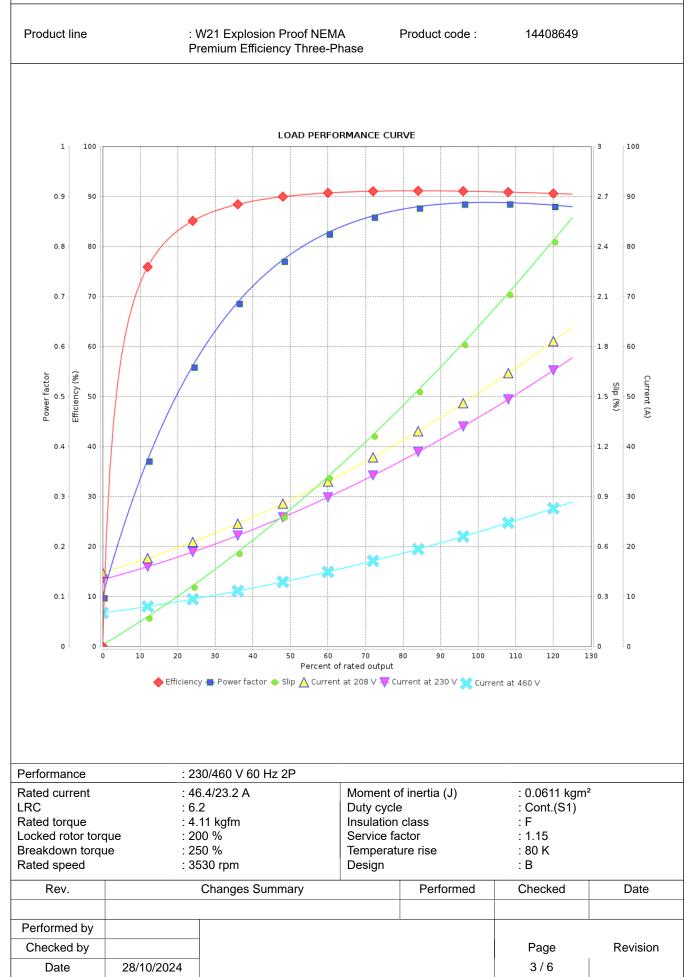
ID	Application	Туре	Quantity	Sensina	ng Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C	
Rev.	Chang	jes Summary	Performed	Checked	Date	
Performed by Checked by				Page	Revision	



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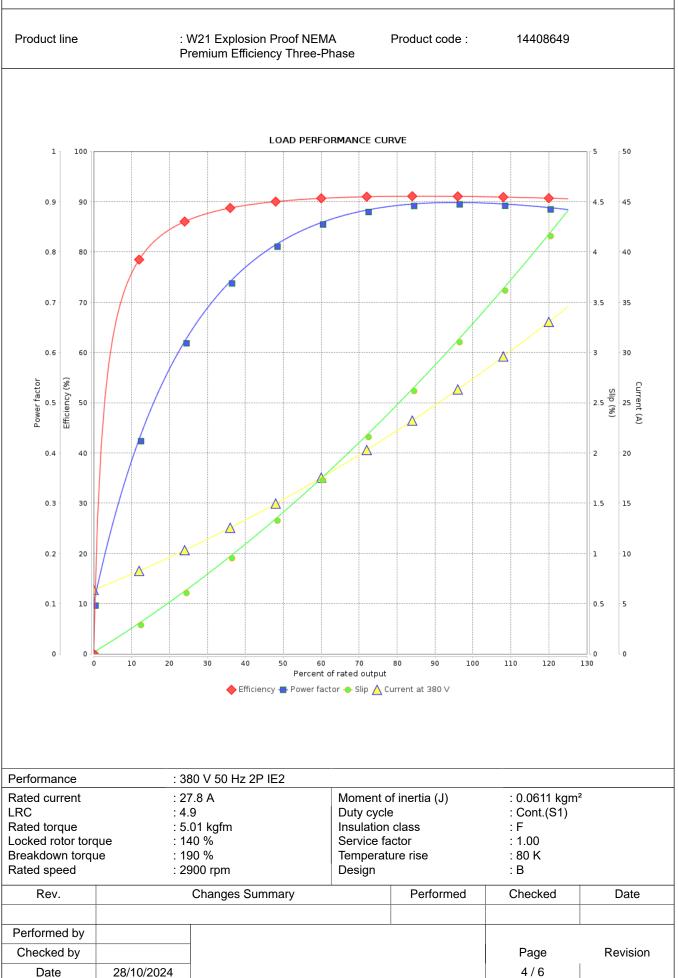
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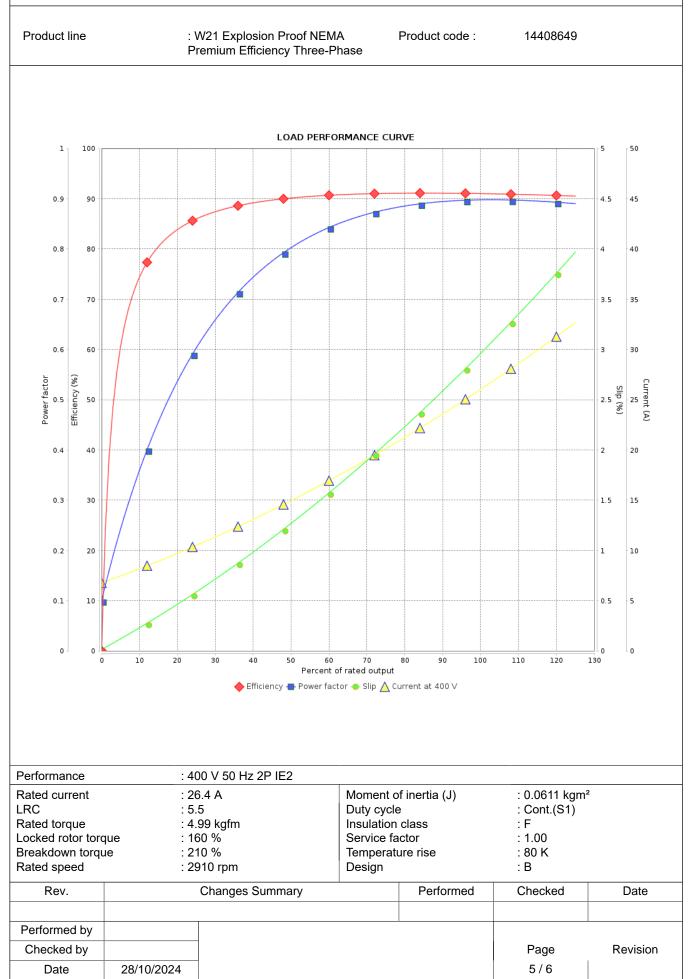


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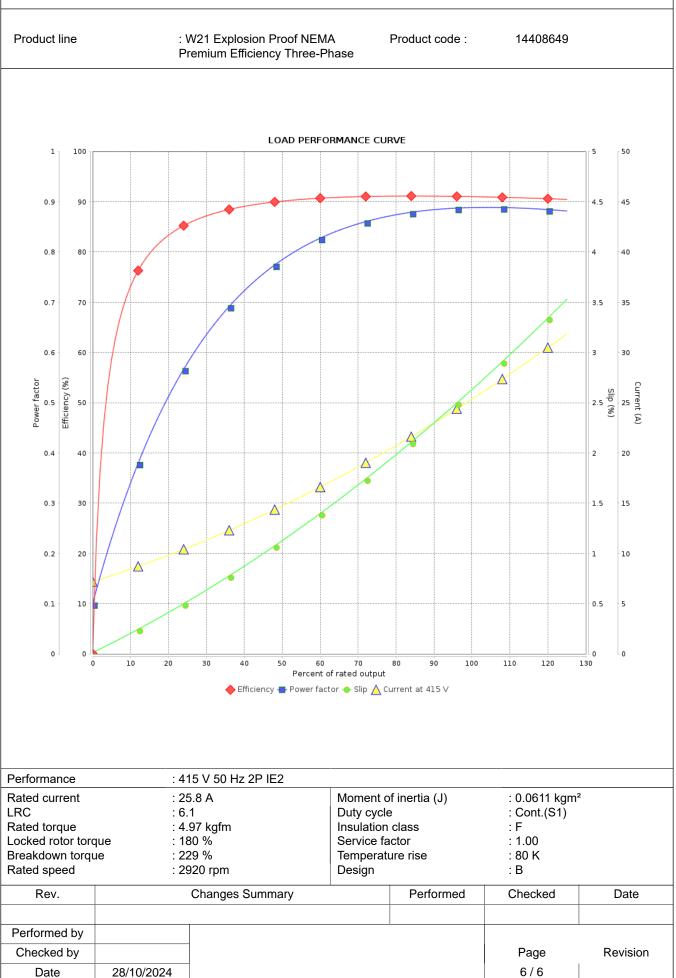
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