DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

_		ncy Three-Phase	Premiun	n Prod	luct code :	14407	007		
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 : 172 kg : 0.1217 kgm²			
Output [HP]		20		20	2	-	20		
Poles		4		4	4		4		
Frequency [Hz]		60	50		5		50		
Rated voltage [V]		230/460	380		40		415		
Rated current [A]		50.0/25.0 375/188		29.8 173	29		28.4 199		
L. R. Amperes [A]		7.5x(Code J)	50	Bx(Code G)	6.4x(Ce		7.0x(Code J)		
LRC [A] No load current [A]		23.6/11.8	5.8	11.7	0.4x(C)		13.8		
		1770		1455	12		13.0		
Rated speed [RPM]		1.67		3.00	2.6		2.33		
Slip [%] Rated torque [kgfm]		8.20		9.98	9.9		9.91		
Rated torque [kgfm] Locked rotor torque [%]		300		210	24		260		
Breakdown torque [%]		300		220	24		260		
Service factor		1.15		1.00	1.0		1.00		
Temperature rise		80 K		80 K	80		80 K		
Locked rotor time		36s (cold) 20s (hot)	36s (c	cold) 20s (hot)	36s (cold)		36s (cold) 20s (hot		
loise level ²		69.0 dB(A)		7.0 dB(A)	67.0 0		67.0 dB(A)		
	25%			× /		× /			
	50%	91.7		92.4	91	.7	91.7		
Efficiency (%)	75%	92.4	1	91.7	91		91.7		
	100%	93.0		91.0	91	.0	91.7		
Power Factor	25%								
	50%	0.63		0.69	0.6		0.62		
	75%	0.75		0.79	0.7		0.74		
	100%	0.81		0.84	0.0	32	0.80		
Bearing type Sealing Lubrication interval Lubricant amount		: 6309 C3 62 : Oil Seal Li	6309 C3 6209 C3 Oil Seal Lip Seal 20000 h 20000 h 13 g 9 g		Foundation loads Max. traction : 319 kgf Max. compression : 491 kgf				
Lubrication interv			9 g						
Lubrication inter Lubricant amour Lubricant type Notes USABLE @208V	nt / 55.3A SF 1.	: 13 g : Mobil Polyrex 15 SFA 63.6A	9 g EM						
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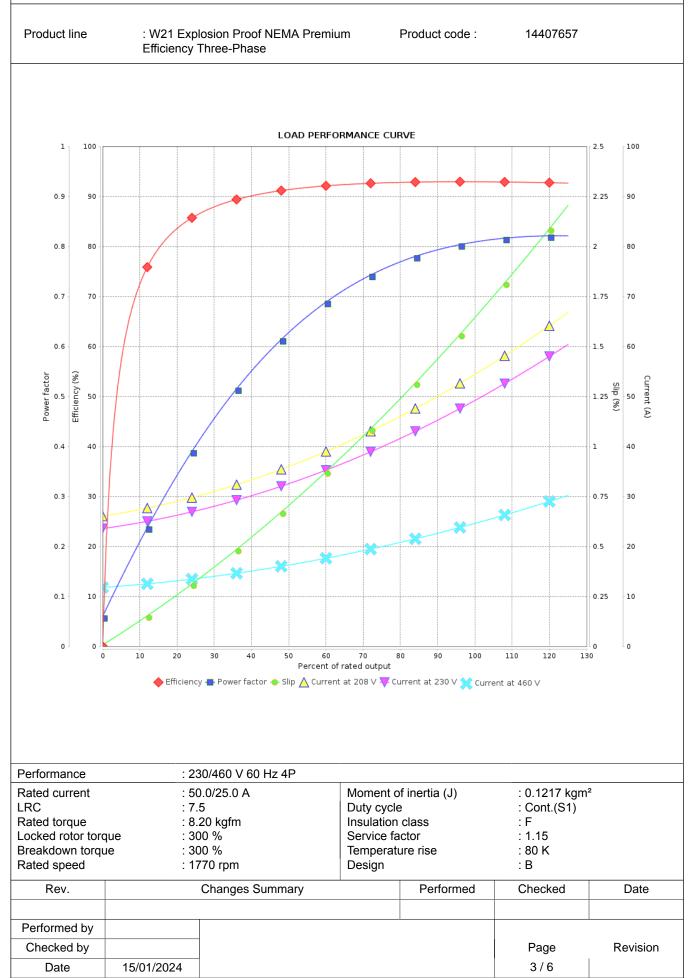
ID	Application	Application Type C			Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C	
Rev.	Change	es Summary	Performed	Checked	Date	
rformed by necked by				Page	Revision	
	15/01/2024			2/6		



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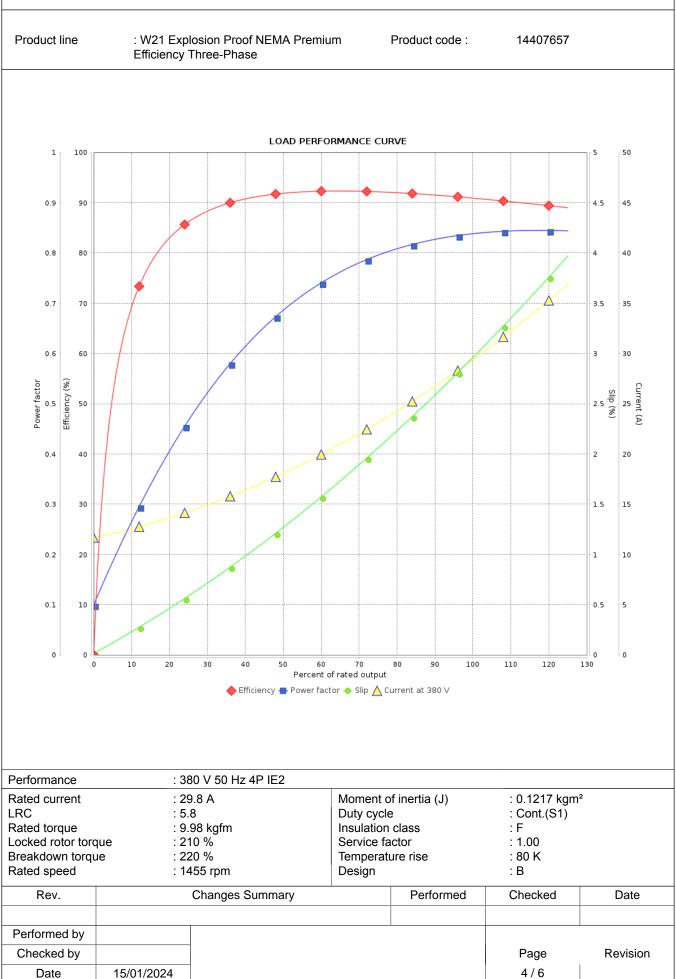
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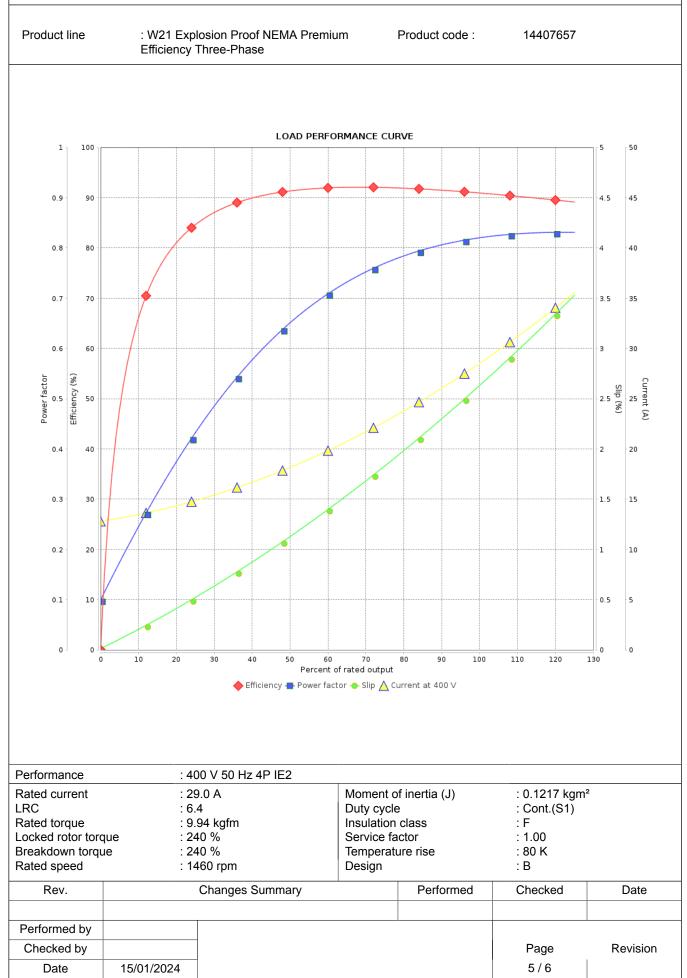


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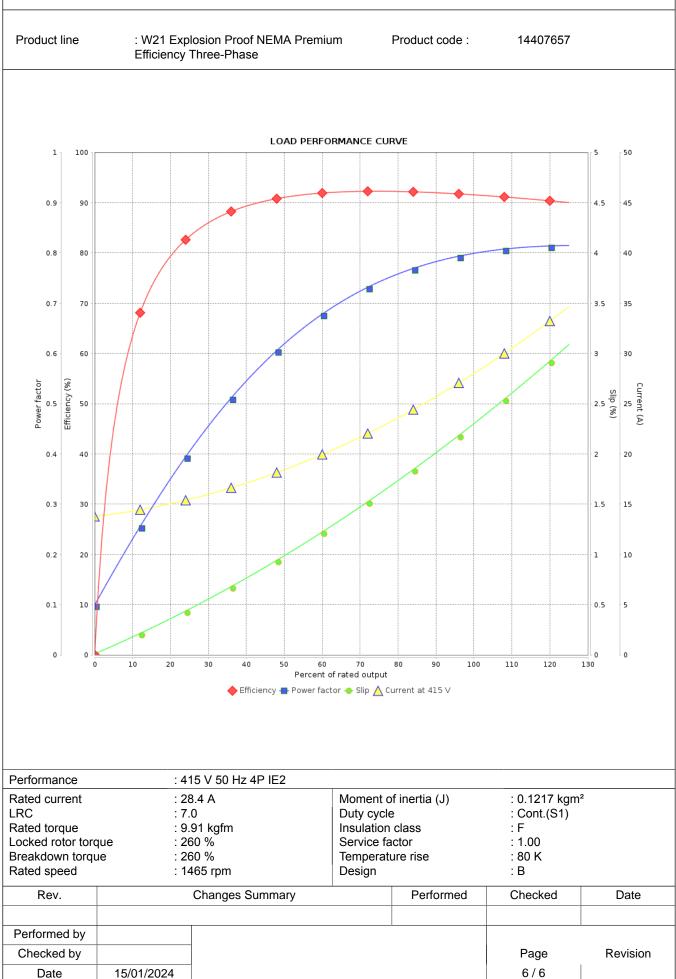
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