DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W21 Explosion Proof NEMA Product code : 14338143 Premium Efficiency Three-Phase						
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 143/5T (1 : F I : Cont.(S1) I : -20°C to +40°C (2 : 1000 m.a.s.l.		Cooling meth Mounting Rotation ¹ Starting meth Approx. weig Moment of ind	: F : E od : C ht³ : 3	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 32.6 kg : 0.0023 kgm²		
•			l	2				
Output [HP]		2 2		2 2	2		2	
Poles		60 50			50		50	
Frequency [Hz] Rated voltage [V]				380	400		415	
Rated current [A]		5.38/2.69			3.09		3.05	
. R. Amperes [A]		49.5/24.7			23.2		24.4	
LRC [A]				Dx(Code J)	7.5x(Code K)	8	B.0x(Code K)	
No load current [A]		2.40/1.20		1.10	1.20		1.30	
Rated speed [RPM]		3495			2880		2890	
Slip [%]		2.92	4.67		4.00		3.67	
Rated torque [kgfr	n]	0.416	0.508		0.506		0.503	
Locked rotor torqu		370	270		310		340	
Breakdown torque [%]		420		290	330		360	
Service factor		1.15	1.00		1.00		1.00	
Temperature rise				80 K	80 K		80 K	
Locked rotor time		27s (cold) 15s (hot)			37s (cold) 21s (ho	ot) 37s	(cold) 21s (hot	
Noise level ²		68.0 dB(A)		2.0 dB(A)	62.0 dB(A)		62.0 dB(A)	
	25%	78.4		81.1	82.1		81.0	
Efficiency (%)	50%	80.0		81.5	82.5		81.5	
	75%	84.0		82.5	84.5		84.5	
	100%	85.5		82.5	84.5		84.5	
Power Factor	25%	0.41		0.47	0.43		0.39	
	50%	0.64		0.70	0.66		0.62	
	75%	0.76		0.81	0.78		0.75	
	100%	0.82		0.85	0.83		0.81	
			rive end	Foundation loa	ads			
Bearing type		: 6205 2RS 620				: 35 kgf		
Sealing		: Oil Seal Lip	Seal	Max. compres	sion : 6	8 kgf		
Lubrication interv		: -	-					
Lubricant amoun	ıt	: -	-					
Lubricant type Notes		: Mobil Polyrex E	EM					
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and car ed. totor from the 1m and with t weight subject ocess.	15 SFA 6.84A ncel the previous one, wh			erage values based o subject to the tolera			
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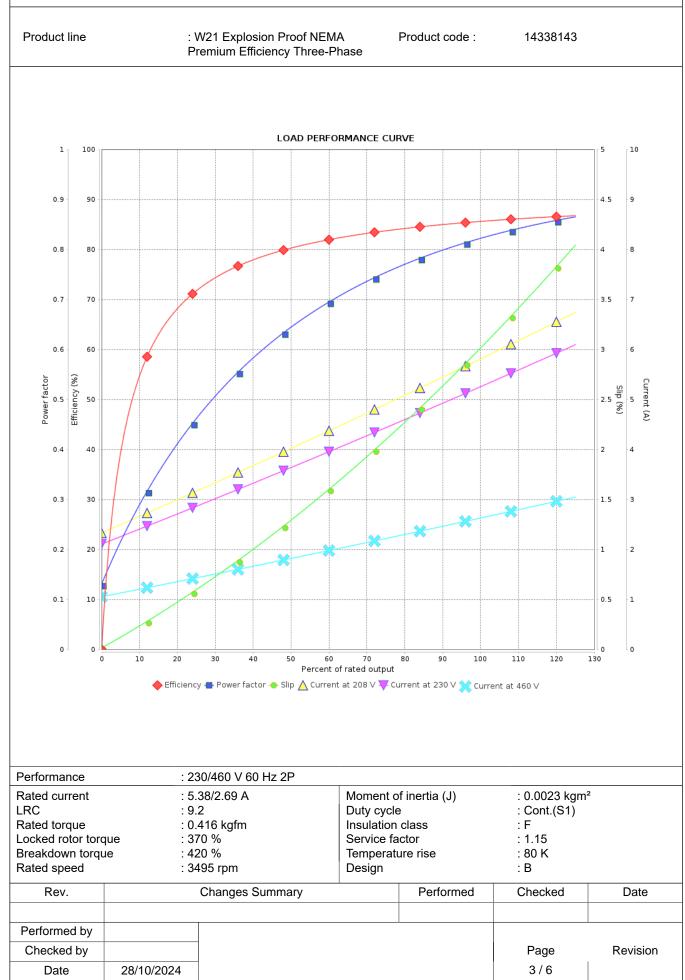
ID	Application	Туре	Quantity	Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
Rev.	Chang	jes Summary	Performed	Checked	Date
Performed by Checked by				Page	Revision



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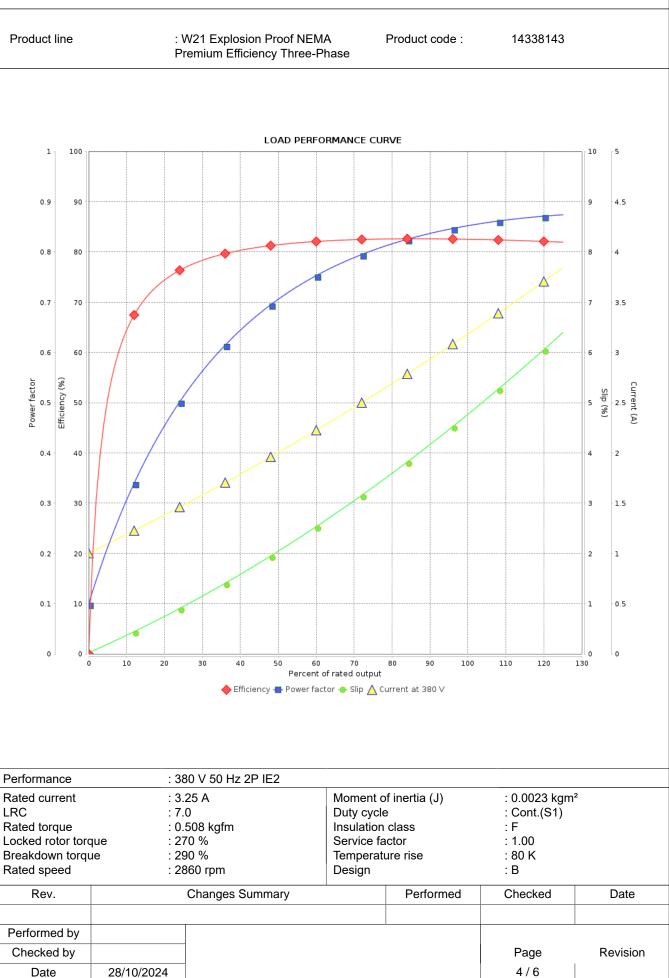
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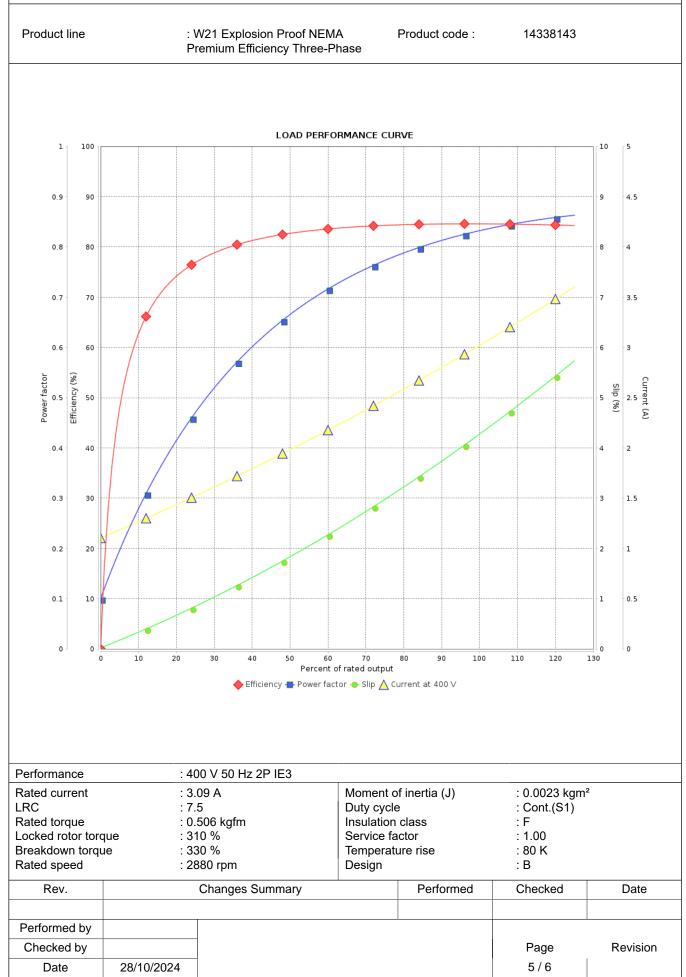


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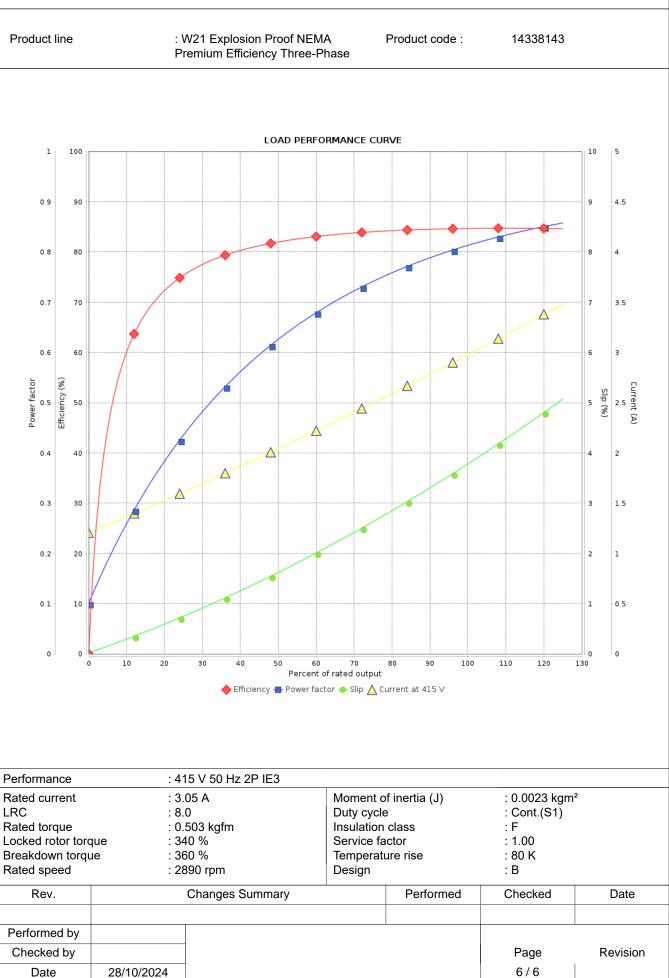
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