# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W21 Explosion Proof NEMA Product code : 14480985 Premium Efficiency Three-Phase						
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 182/4TC Coo : F Mou : Cont.(S1) Rot : -20°C to +40°C Sta : 1000 m.a.s.l. App		Mounting Rotation <sup>1</sup> Starting meth Approx. weig	ounting: Fotation1: Btarting method: Dpprox. weight3: 5		C411 - TEFC F-1 Both (CW and CCW) Direct On Line 57.3 kg 0.0062 kgm²	
Design								
Output [HP]		3		3	3		3	
Poles		2 60		2 50	2 50		2 50	
Frequency [Hz]				380	400		415	
Rated voltage [V]				4.44	400		415	
Rated current [A]				29.7	31.6		33.3	
L. R. Amperes [A]				/x(Code H)	7.4x(Code J)	<u> </u>	8.0x(Code J)	
LRC [A]		2.80/1.40		1.30	1.40	/	1.48	
No load current [A] Rated speed [RPM]		3510		2880	2890		2900	
		2.50		4.00	3.67		3.33	
Slip [%] Rated torque [kgfm]		0.620			0.753		0.751	
_ocked rotor torqu				0.756 210	240		260	
Breakdown torque		400			340		370	
Service factor		1.15			1.00		1.00	
Temperature rise		80 K		80 K	80 K		80 K	
Locked rotor time				cold) 43s (hot)	77s (cold) 43s (l	hot) 7	7s (cold) 43s (hot	
Noise level <sup>2</sup>		69.0 dB(A)		4.0 dB(A)	64.0 dB(A)		64.0 dB(A)	
	25%		J					
Efficiency (%)	50%	82.5		82.5	82.5		82.5	
	75%	85.5		85.5	85.5		85.5	
	100%	86.5		85.5	86.5		86.5	
	25%						-	
Power Factor	50%	0.73		0.78	0.75		0.72	
	75%	0.81		0.85	0.83		0.81	
	100%	0.85		0.88	0.86		0.85	
Bearing type		Drive end Non drive end Foundation loads 6307 2RS 6206 2RS Max. traction				29 kgf		
Sealing		: Oil Seal Lip	Seal	Max. compres		86 kgf		
Lubrication interv	val	: - '	-			Ũ		
Lubricant amount								
Lubricant amoun	It	: -	-					
Lubricant type	11	: - : Mobil Polyrex E	- EM					
Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	2 8.32A SF 1. aces and car ed. notor from the Im and with t weight subject ocess.	15 SFA 9.56A ncel the previous one, wh			erage values based subject to the toler			
Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	2 8.32A SF 1. aces and car ed. notor from the Im and with t weight subject ocess.	15 SFA 9.56A ncel the previous one, wh e shaft end. tolerance of +3dB(A).	hich	power supply, MG-1.	subject to the toler			
Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	2 8.32A SF 1. aces and car ed. notor from the Im and with t weight subject ocess.	15 SFA 9.56A ncel the previous one, wh e shaft end. tolerance of +3dB(A). ct to changes after	hich	power supply, MG-1.	subject to the toler	rances sti	pulated in NEMA	
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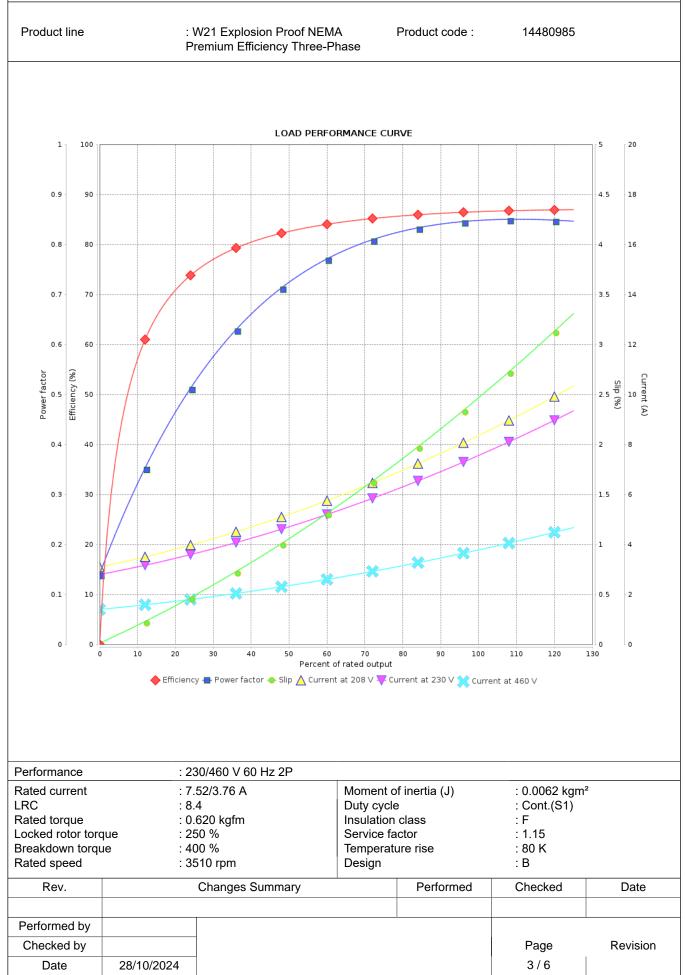
ID	Application	Туре	Quantity	Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
Rev.	Chang	jes Summary	Performed	Checked	Date
Performed by Checked by				Page	Revision



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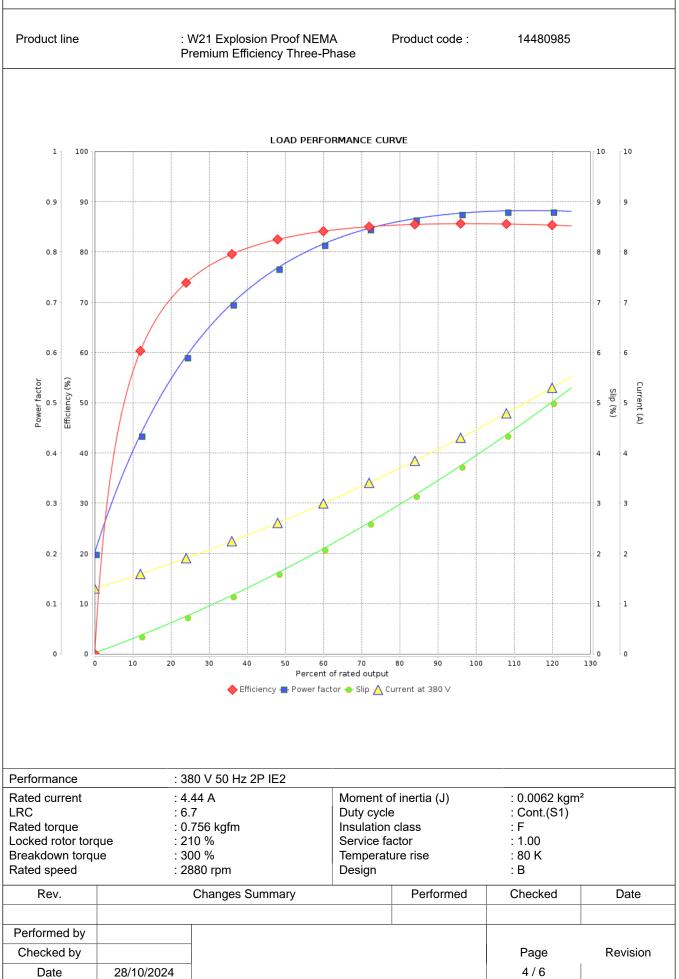
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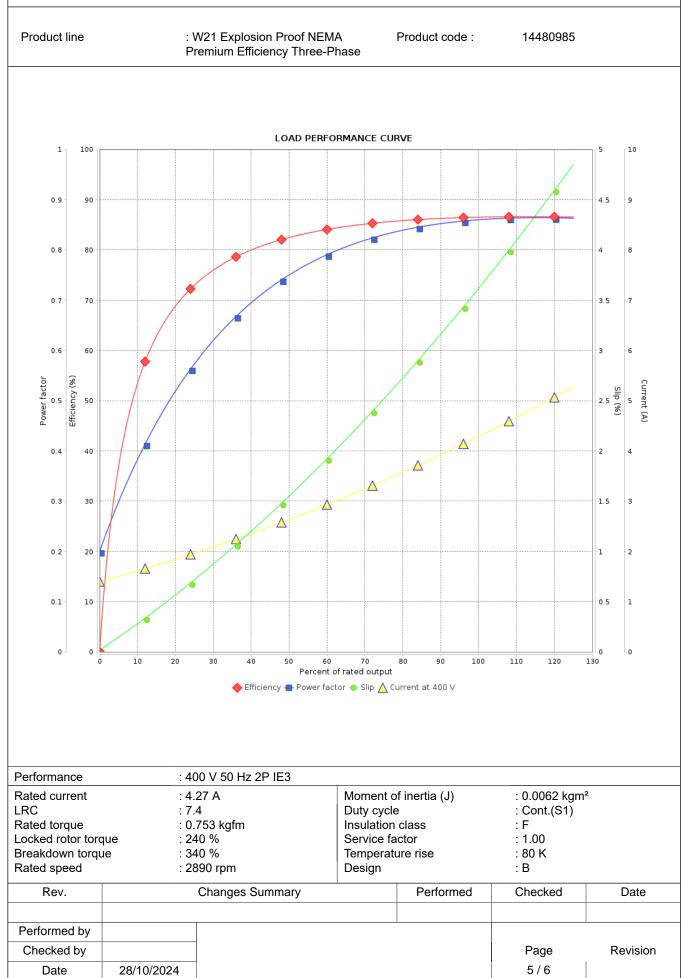
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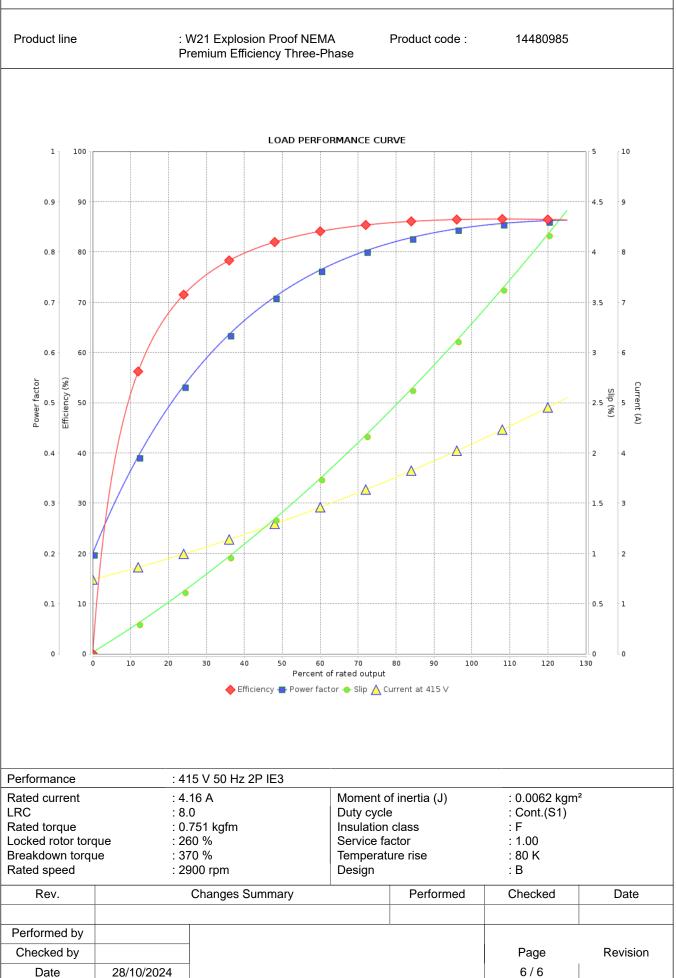
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