DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		Explosion Proof NEMA	Premiun	n P	roduct code :	14480985	i	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 182/4TC : 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 : 57.1 kg : 0.0062 kgm ²		
Output [HP]		3		3	3		3	
Poles		2			2		2	
Frequency [Hz]			60 50		5		50	
Rated voltage [V]		230/460			40		415	
Rated current [A]		7.52/3.76			4.2		4.16	
L. R. Amperes [A]			63.2/31.6 29.7		31		33.3	
LRC [A]		8.4x(Code K)			7.4x(C		8.0x(Code J)	
No load current [A]			2.80/1.40 1.		1.4		1.48	
Rated speed [RPM]			3510 2880		28		2900	
Slip [%]			2.50 4.00		3.0		3.33	
Rated torque [kgfm]			0.620 0.756		0.7		0.751	
Locked rotor torque [%]		250			24		260	
Breakdown torque [%]		400	300		34		370	
Service factor					1.0		1.00	
Temperature rise			80 K		80		80 K	
Locked rotor time		54s (cold) 30s (hot)					7s (cold) 43s (hot)	
Noise level ²	25%	69.0 dB(A)	6	4.0 dB(A)	64.0 0		64.0 dB(A)	
	25% 50%	82.5		82.5	82	5	82.5	
Efficiency (%)	50% 75%	85.5	82.5		85		85.5	
	100%	86.5		85.5	86		86.5	
	25%	00.0		00.0	00		00.0	
	25% 50%	0.73		0.78	0.7	75	0.72	
Power Factor	75%	0.81		0.78	0.8		0.72	
	100%	0.85		0.85	0.0		0.85	
Drive endNon cBearing type: 6307 2RS62			r <u>ive end</u> 06 2RS 0 Seal - - EM					
must be eliminate (1) Looking the m	aces and can ed. notor from the	cel the previous one, wi shaft end.	hich		average values ply, subject to th		with sinusoidal pulated in NEMA	
(2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of ful Rev.	weight subject ocess.	blerance of +3dB(A). t to changes after Changes Summary	,		Performed	Checked	Date	
Performed by								
Checked by						Page	Revision	
	15/01/000					-		
Date	15/01/2024	H				1/6		

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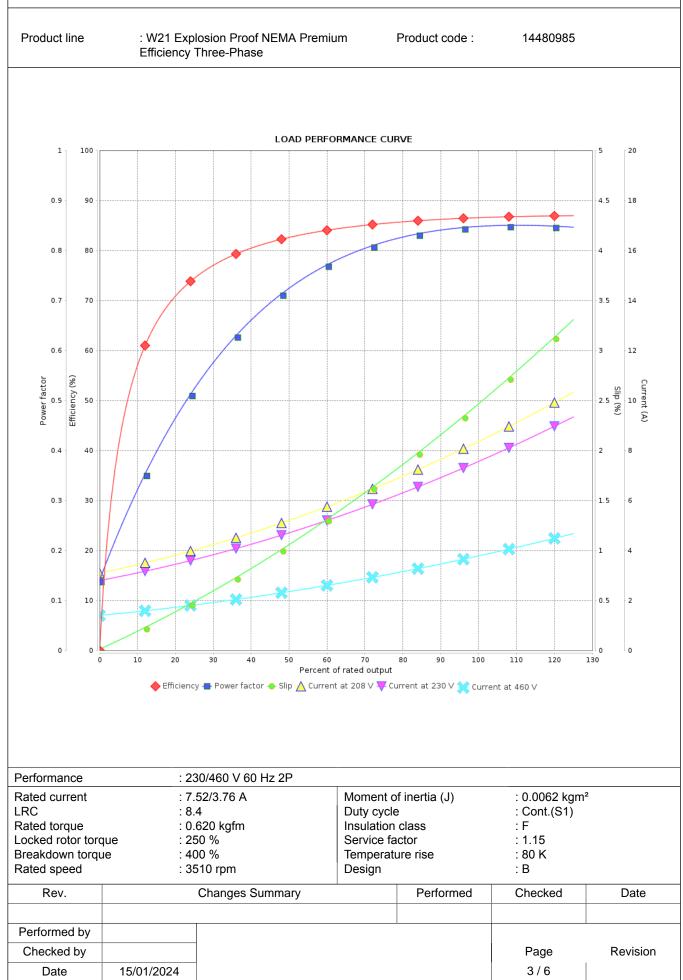
ID	Application	Туре	Quantity	Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C
Rev.	Change	es Summary	Performed	Checked	Date
rformed by necked by				Page	Revision
	15/01/2024			2/6	



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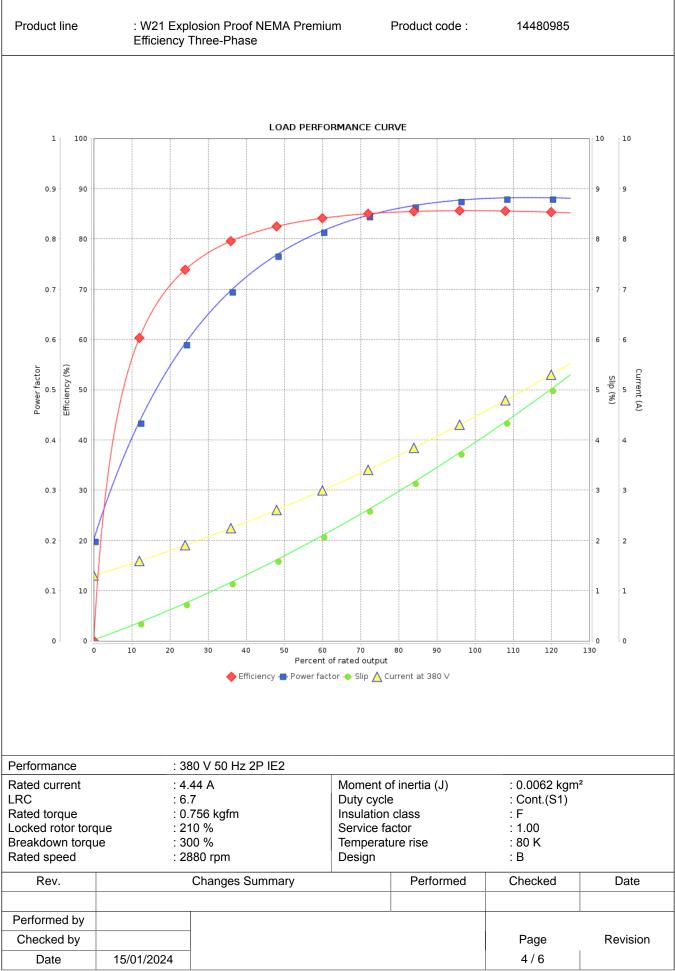
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Customer



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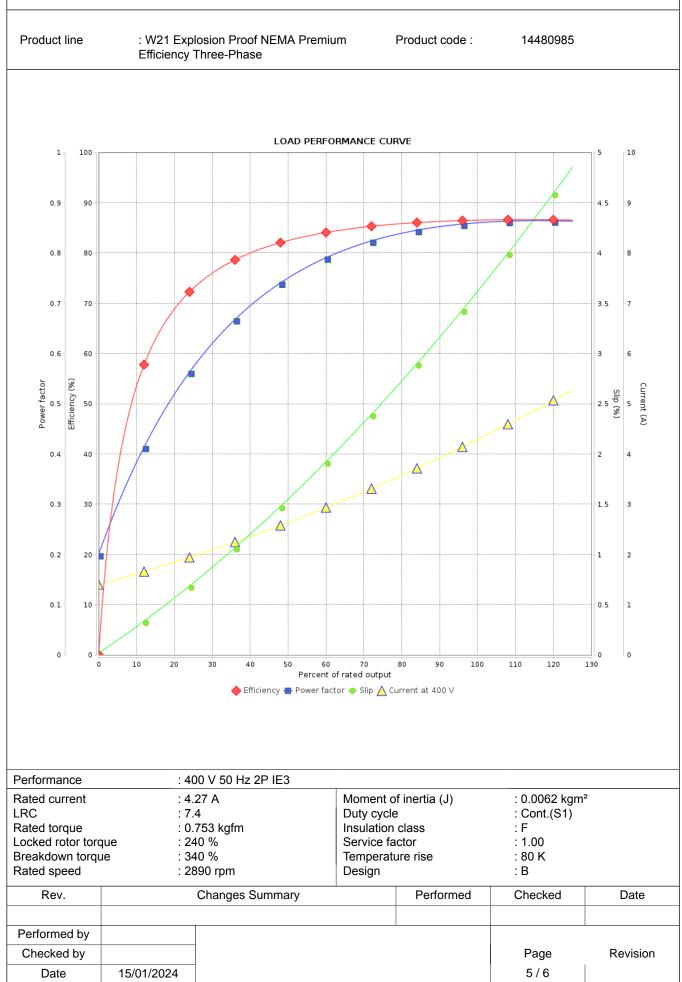


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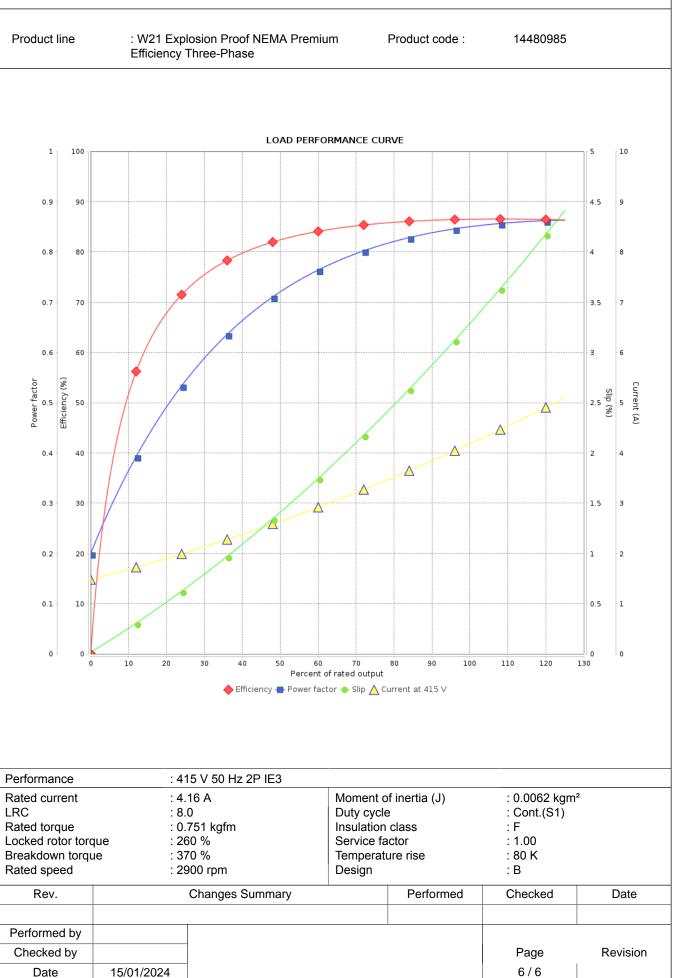


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