# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

		: W21 Explosion Proo Premium Efficiency T			ict code :	120298	348	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 447T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 1208 kg : 5.63 kgm²		
-		450		105	40	-	405	
Output [HP]		150	125		12	<b>D</b>	125	
Poles		6	6		6		6	
Frequency [Hz]		60	50		50		50	
Rated voltage [V]		460 174	380		400		415 164	
Rated current [A]		1305	173 1228		166		1394	
L. R. Amperes [A]					1311 7.9x(Code J)		8.5x(Code K)	
LRC [A]		7.5x(Code H) 66.0	7.1x(Code H) 66.0		7.9x(CC 70.		73.0	
No load current [A] Rated speed [RPM]		1190	<u> </u>		70.		990	
	vi]	0.83		1.00	1.0		1.00	
Slip [%] Bated torque [kafm]		91.5		91.6	91.		91.6	
Rated torque [kgfm] Locked rotor torque [%]		260		240	270		290	
Breakdown torque [%]		260		260	270		310	
Service factor		1.15		1.00	1.0		1.00	
Service factor Temperature rise		80 K		80 K		K I	80 K	
Locked rotor time		75s (cold) 42s (hot)		36s (cold) 20s (hot)		20s (hot)	36s (cold) 20s (hot)	
Voise level <sup>2</sup>		73.0 dB(A)		) dB(A)	73.0 d		73.0 dB(A)	
	25%	10.0 00(1)	10.0		10.0 0	B() ()	70.0 dB(71)	
	50%	95.0	ç	94.5	94.	5	94.5	
Efficiency (%)	75%	95.8		95.0	95.4		95.4	
	100%	95.8		95.0	95.		95.4	
	25%			-				
Power Factor	50%	0.68	(	0.68	0.6	5	0.62	
	75%	0.78		0.78	0.7		0.74	
	100%	0.83		0.83	0.8		0.80	
Bearing type	1		10.00	oundation loa	ads	. 4004	<b>f</b>	
Sealing			Viton Viton Seal Max.		Max. traction: 1881 kgfMax. compression: 3089 kgf			
Lubrication inter	/al		823 h					
Lubrication interval Lubricant amount								
Lubricant type		Mobil Polyrex EM						
Notes								
	aces and car	ncel the previous one, w		ower supply,			sts with sinusoidal stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. tolerance of +3dB(A). ct to changes after	-	/IG-1.				
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with t weight subjec ocess.	tolerance of +3dB(A).	N		erformed	Checked	d Date	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	ed. lotor from the Im and with t weight subjec ocess.	tolerance of +3dB(A). It to changes after	N		erformed			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	tolerance of +3dB(A). It to changes after	N		erformed	Checked	d Date Revision	

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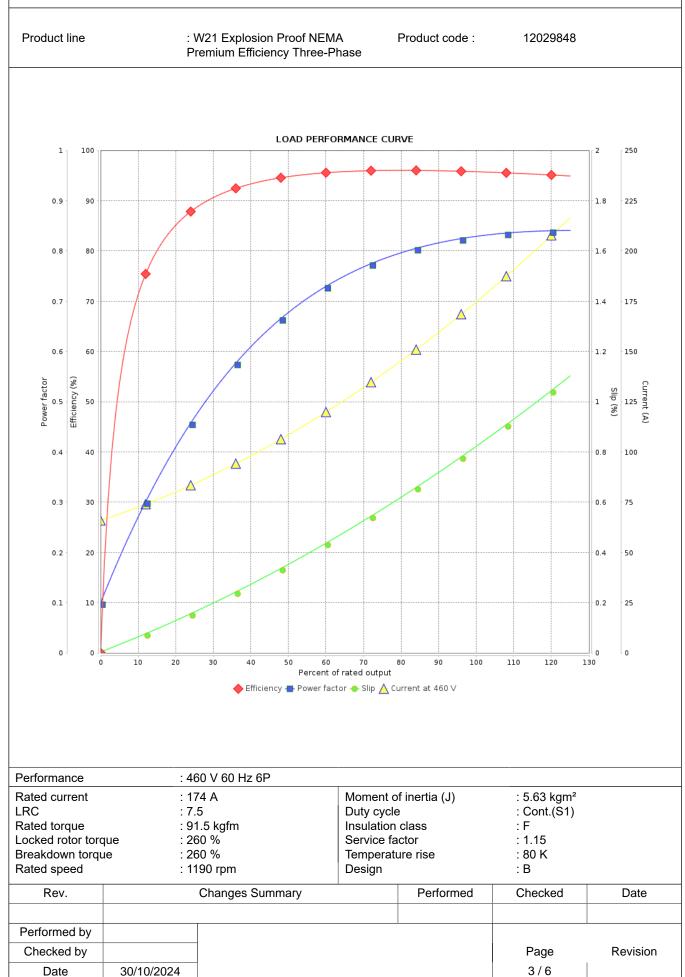
ID	Application	Quantity	Sensina	Temperature	
1	Winding	Type Thermostat - 2 wires	1 x Phase		55 °C
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Rev.	Chang	es Summary	Performed	Checked	Date
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Checked by				Page	Revision
Date	30/10/2024			2/6	



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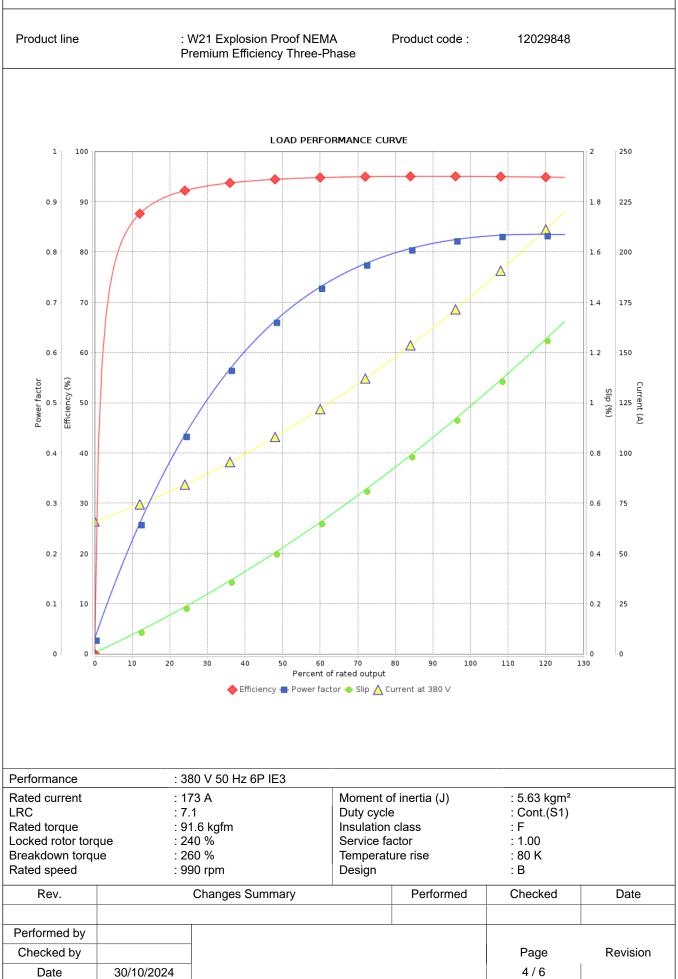
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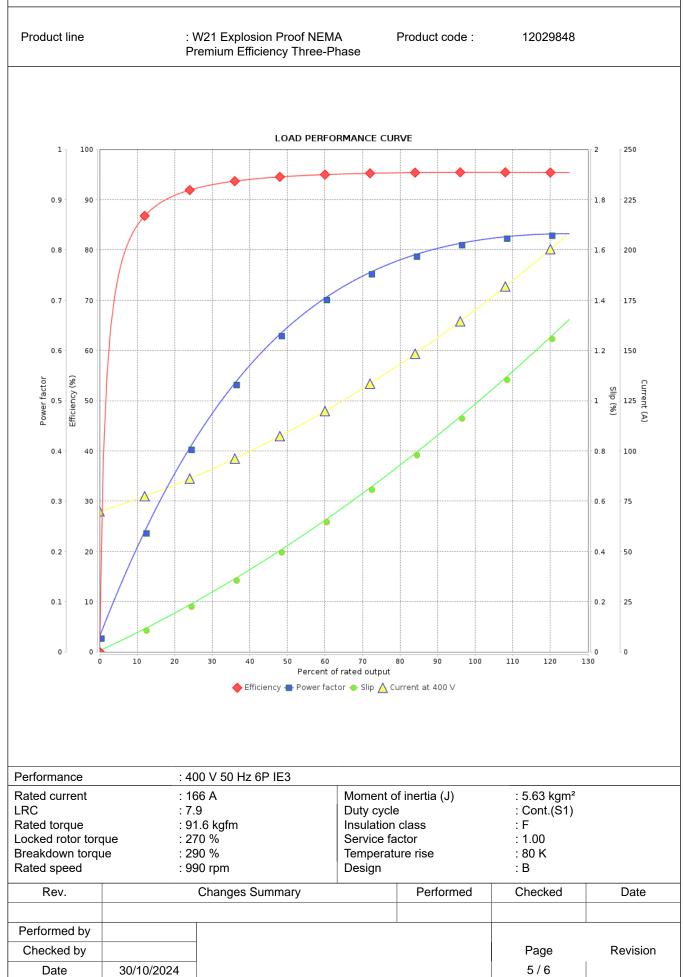
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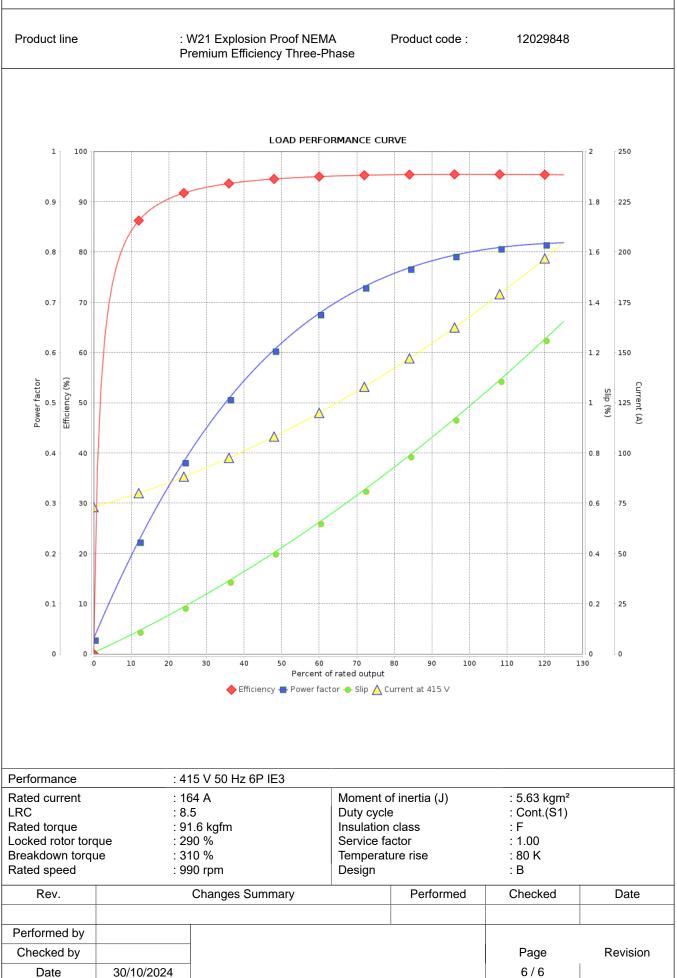
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