DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W21 Explosion Proo Premium Efficiency Th			duct code :	123101	134	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 364/5TS : 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 : 480 kg : 0.4198 kgm²		
•		<u></u>				•		
Output [HP]		60 2	50 2		50		<u> </u>	
Poles		60	50		5		50	
Frequency [Hz] Rated voltage [V]		230/460		380	40		415	
Rated voltage [V] Rated current [A]		137/68.6		68.7	65		63.6	
L. R. Amperes [A]		878/439			43		458	
LRC [A]				419 Ix(Code F)	6.7x(Co		7.2x(Code H)	
No load current [A]		30.0/15.0	0.1	15.0	16		17.0	
Rated speed [RPM]		3550		2950	29		2960	
Slip [%]		1.39		1.67	1.3		1.33	
Rated torque [kgfm]		12.3			12.3 1		12.3	
Locked rotor torque [%]		200			21		229	
Breakdown torque [%]		250			26		290	
Service factor	[···]	1.15			1.0		1.00	
Temperature rise		80 K		1.00 80 K	80		80 K	
Locked rotor time		108s (cold) 60s (hot)	45s (c	cold) 25s (hot)			45s (cold) 25s (hot	
Noise level ²		85.0 dB(A)		2.0 dB(A)	82.0 c		82.0 dB(A)	
	25%			× /		. /	× /	
Γ fficiency (0/)	50%	92.4		92.0	92	.0	92.0	
Efficiency (%)	75%	93.0		92.8	92	.8	92.8	
	100%	93.6		93.0	93	.0	93.0	
	25%							
Power Factor	50%	0.79		0.79	0.7		0.76	
Power Factor	75%	0.86		0.86	3.0		0.85	
	100%	0.88		0.88	3.0	38	0.87	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6314 C3 63 : Oil Seal Lip : 3604 h 36 : 27 g 22	6314 C3 6314 C3 Oil Seal Lip Seal 3604 h 3604 h		Foundation loads Max. traction : 161 kgf Max. compression : 638 kgf			
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m	aces and car	ncel the previous one, wh	nich				sts with sinusoidal stipulated in NEMA	
(2) Measured at 1	m and with tweight subjectoress.	tolerance of +3dB(A). In to changes after Changes Summary			Performed	Checked	d Date	
Performed by								
Checked by						Page	Revision	
	30/10/202	1				1/6		
Date	30/10/202	4				0 / 1	1	

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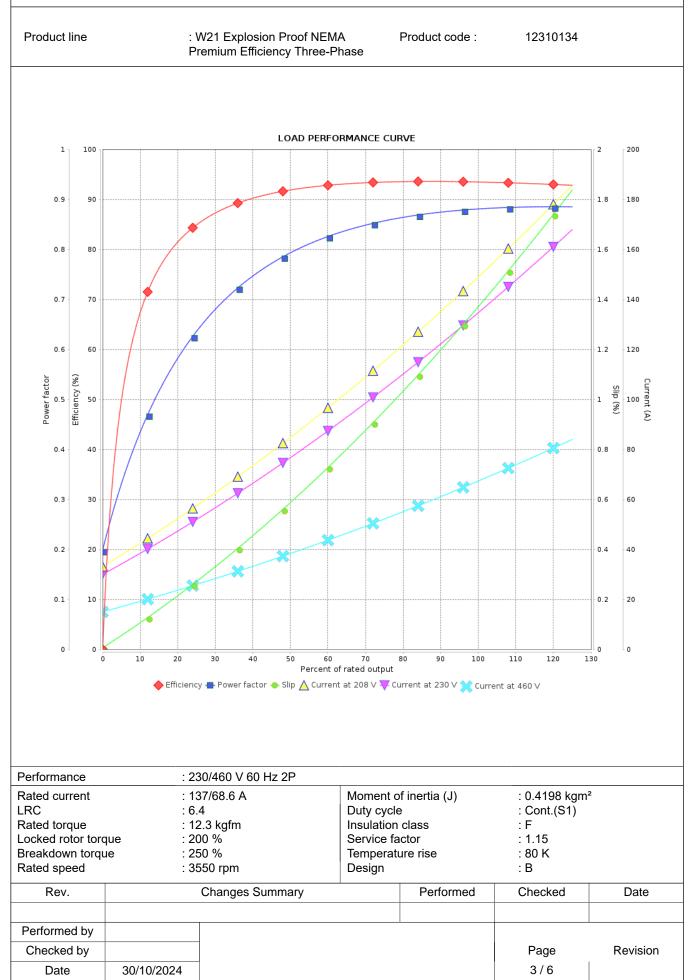
ID	Application	Thermal protection Application Type Quantity					
1	Winding	Thermostat - 2 wires	1 x Phase		Temperature 55 °C		
•	••••iuiig		1 1 1 1 1 1 1 2 2				
							
Rev.	Chang	es Summary	Performed	Checked	Date		
Performed by							
Checked by				Page	Revision		
Date	30/10/2024			2/6			



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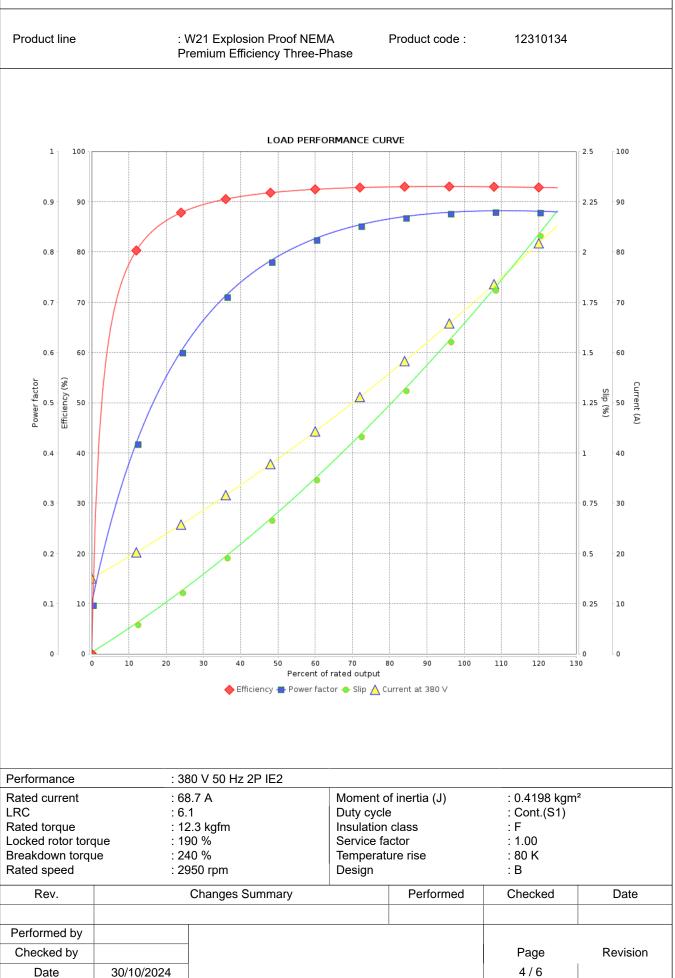
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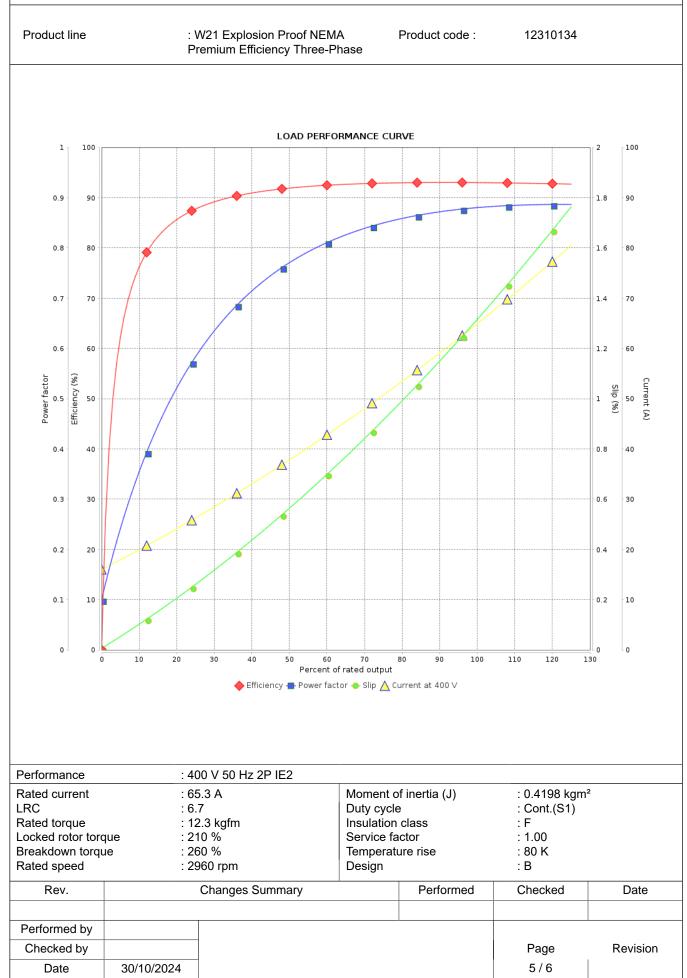


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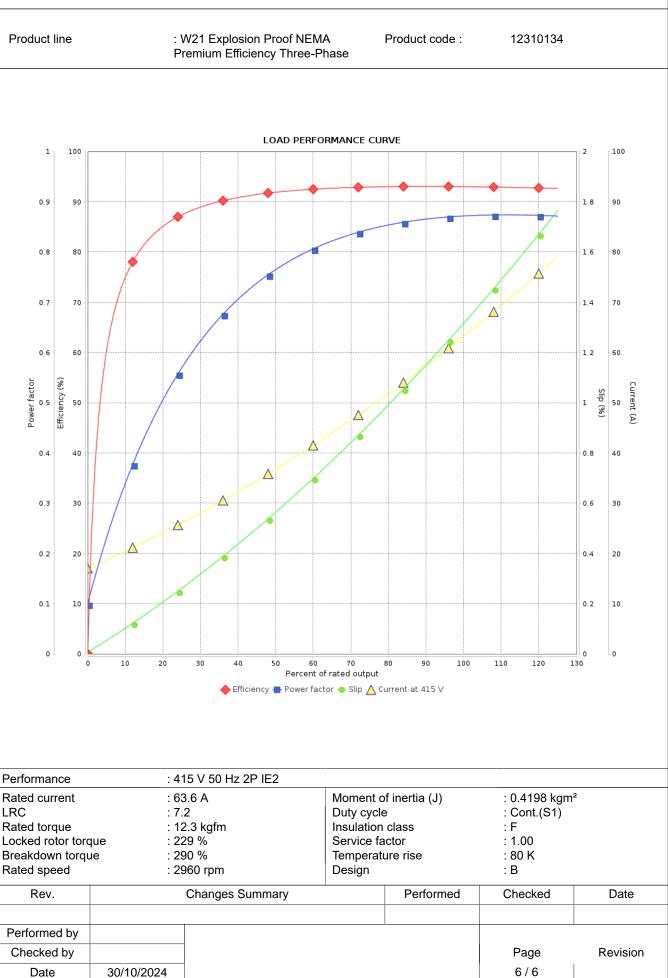
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