DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

		ncy Three-Phase					
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 254T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B	Mounting Rotation Starting Approx.	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 : 150 kg : 0.0974 kgm²	
Output [HP]		15	15	1	5	15	
Poles		4	4	4		4	
Frequency [Hz]		60	50	5	0	50	
Rated voltage [V]		230/460	380	40		415	
Rated current [A]		36.8/18.4	22.1	21		20.8	
L. R. Amperes [A]		269/134	128	13		141	
LRC [A]		7.3x(Code J)	5.8x(Code G)			6.8x(Code H)	
No load current [A]		17.2/8.60	8.40	9.2		9.60	
Rated speed [RPM]		1770	1455	14		1465	
Slip [%]		1.67	3.00	2.6		2.33	
Rated torque [kgfr		6.15	7.48	7.4		7.43	
_ocked rotor torqu		300	220	25		270	
Breakdown torque	e [%]	300	229	25		270	
Service factor		1.15	1.00	1.(1.00	
Temperature rise		80 K	80 K	80		80 K	
Locked rotor time		46s (cold) 26s (hot)	45s (cold) 25s (h			5s (cold) 25s (hot)	
Noise level ²		69.0 dB(A)	67.0 dB(A)	67.0 c		67.0 dB(A)	
	25%	89.4	92.1	91		90.8	
Efficiency (%)	50%	90.2	91.0	91		91.0	
	75%	91.7	91.7	91		91.0	
	100%	92.4	90.2	91		91.0	
Power Factor	25%	0.39	0.45	0.4		0.39	
	50%	0.65	0.71	0.6		0.64	
	75%	0.75	0.79	0.7		0.75	
	100%	0.81	0.84	0.8	32	0.81	
Bearing type Sealing Lubrication interval Lubricant amount		: 6309 C3 62	09 C3 Max. trac	Foundation loadsMax. traction: 241 kgfMax. compression: 390 kgf			
Lubrication interv		: 20000 h 20	000 h 9 g EM				
Lubrication inter-	nt	: 20000 h 20 : 13 g : Mobil Polyrex E	9 g				
Lubrication inter- Lubricant amoun Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	40.7A SF 1. 40.7A SF 1. aces and car ed. notor from the 1m and with t weight subject ocess.	: 20000 h 20 : 13 g : Mobil Polyrex E 15 SFA 46.8A recel the previous one, wi	9 g EM hich These are	e average values pply, subject to th		with sinusoidal pulated in NEMA	
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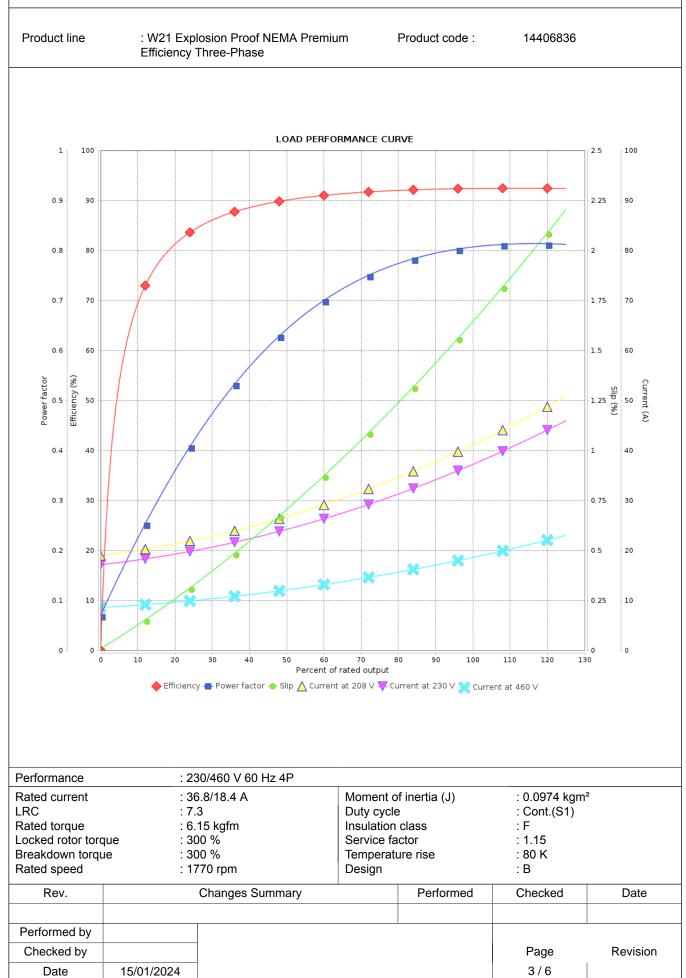
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1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C	
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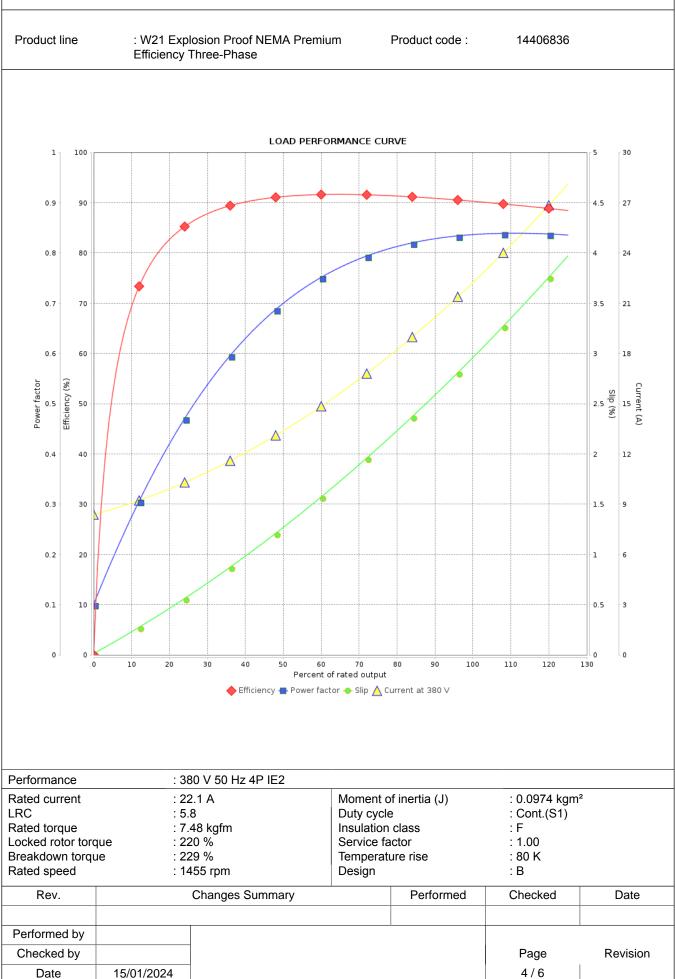
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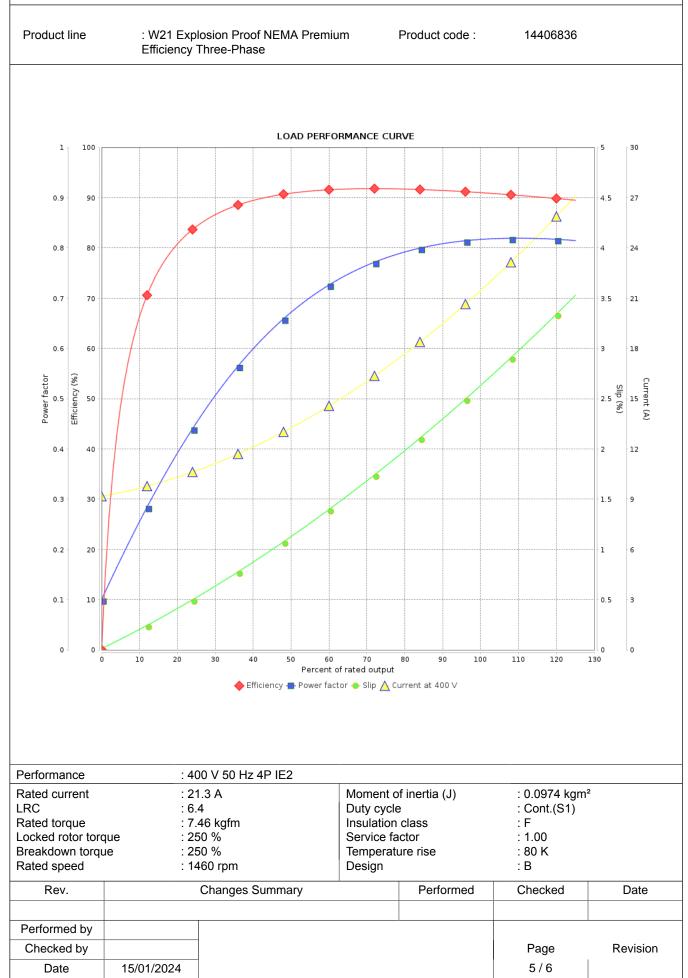
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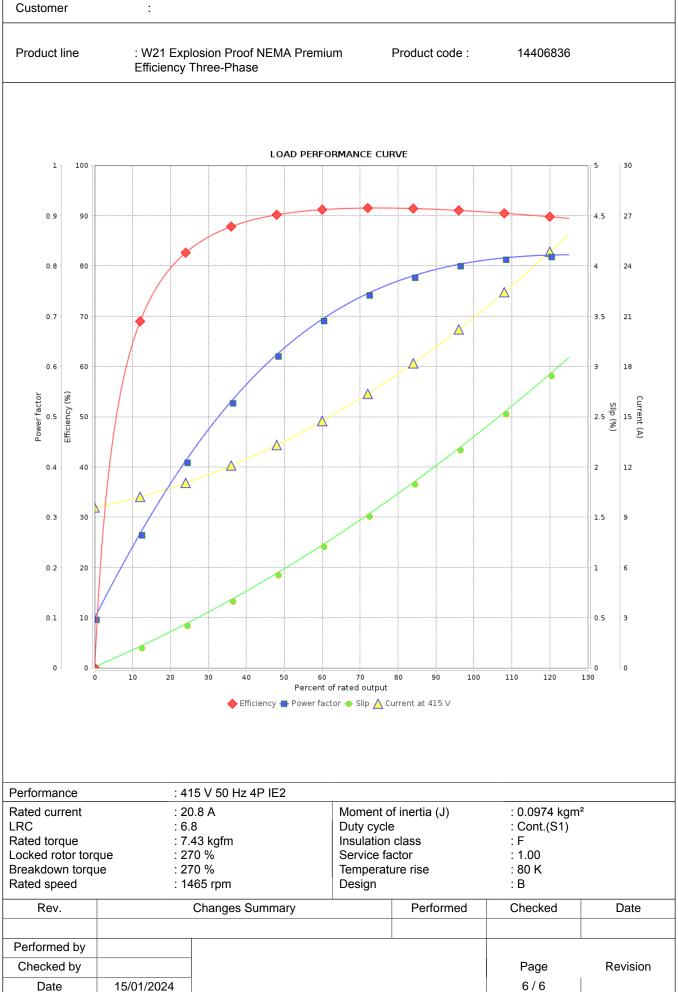
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