DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

		ncy Three-Phase					
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 254TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B	Mounti Rotatio 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 : 151 kg : 0.0974 kgm ²	
Output [HP]		15	15	1	5	15	
Poles		4	4		4	4	
Frequency [Hz]		60	50		+ 50	50	
Rated voltage [V]		230/460	380		00	415	
Rated current [A]		36.8/18.4	22.1		1.3	20.8	
L. R. Amperes [A]		269/134	128		36	141	
L. R. Amperes [A] LRC [A]		7.3x(Code J)	5.8x(Code 0		ode G)	6.8x(Code H)	
No load current [A]		17.2/8.60	8.40		20	9.60	
Rated speed [RPM]		1770	1455		60	1465	
Slip [%]		1.67	3.00		67	2.33	
Rated torque [kgfm]		6.15	7.48		46	7.43	
Locked rotor torqu		300	220		50	270	
Breakdown torque [%]		300	229		50	270	
Service factor	. [, .]	1.15	1.00		00	1.00	
Temperature rise		80 K	80 K		00) K	80 K	
Locked rotor time		46s (cold) 26s (hot)	45s (cold) 25s) 25s (hot)	45s (cold) 25s (hot	
Noise level ²		69.0 dB(A)	67.0 dB(A)		dB(A)	67.0 dB(A)	
	25%	89.4	92.1		1.4	90.8	
	50%	90.2	91.0		1.0	91.0	
Efficiency (%)	75%	91.7	91.7		1.7	91.0	
	100%	92.4	90.2		1.0	91.0	
	25%	0.39	0.45		42	0.39	
Power Factor	50%	0.65	0.71		68	0.64	
	75%	0.75	0.79		77	0.75	
	100%	0.81	0.84		82	0.81	
Bearing type Sealing Lubrication interval Lubricant amount		: 6309 C3 620 : Oil Seal Lip	09 C3 Max. tra				
Lubrication inter- Lubricant amour		: 13 g	9 g EM				
Lubrication interv	nt	: 13 g : Mobil Polyrex E					
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.	: 13 g : Mobil Polyrex E 15 SFA 46.8A ncel the previous one, wi	ΞΜ hich These a	are average values upply, subject to th		sts with sinusoidal stipulated in NEMA	
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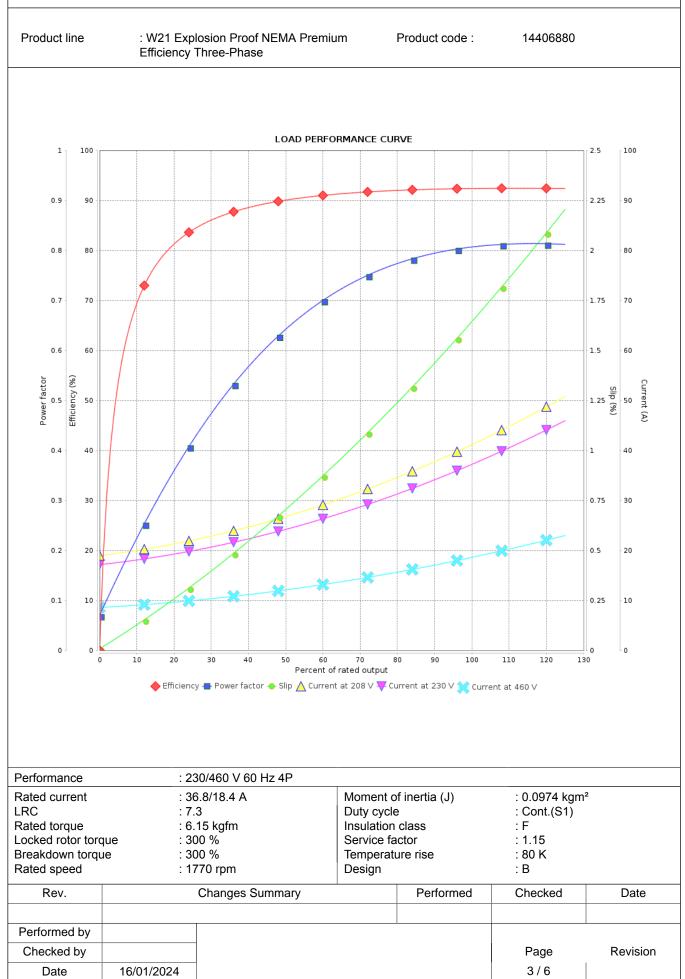
ID	Application	cation Type Quantity			Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
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Rev.	Changes	Summary	Performed	Checked	Date
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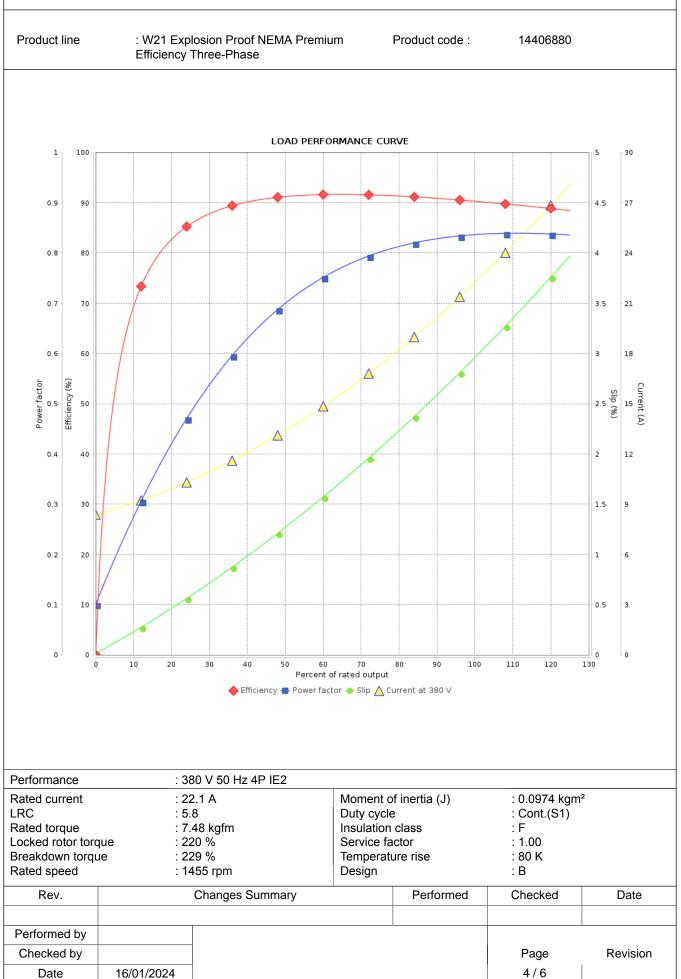
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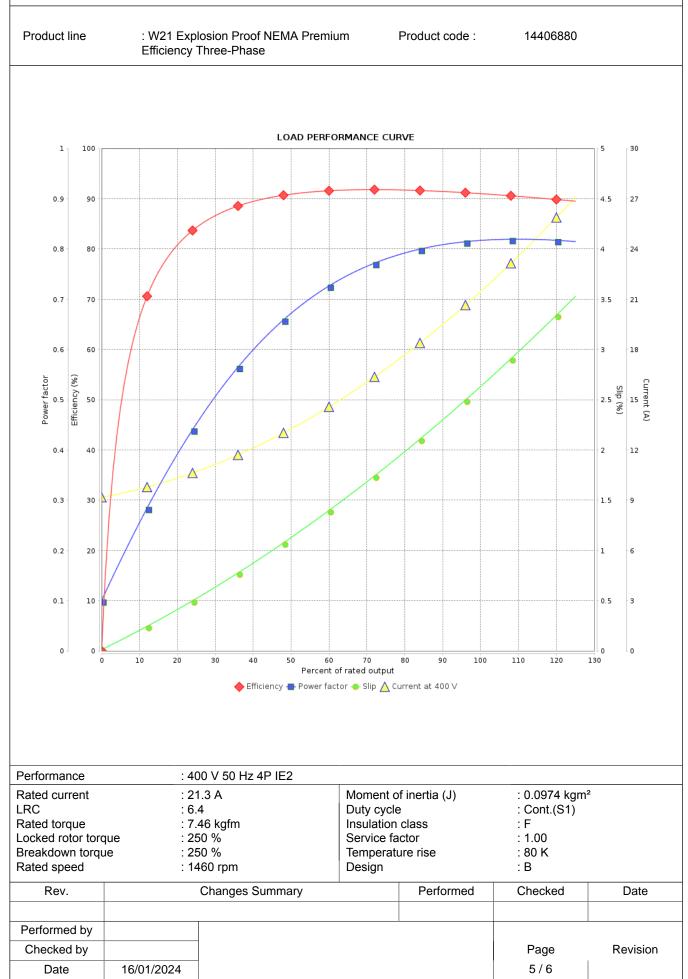
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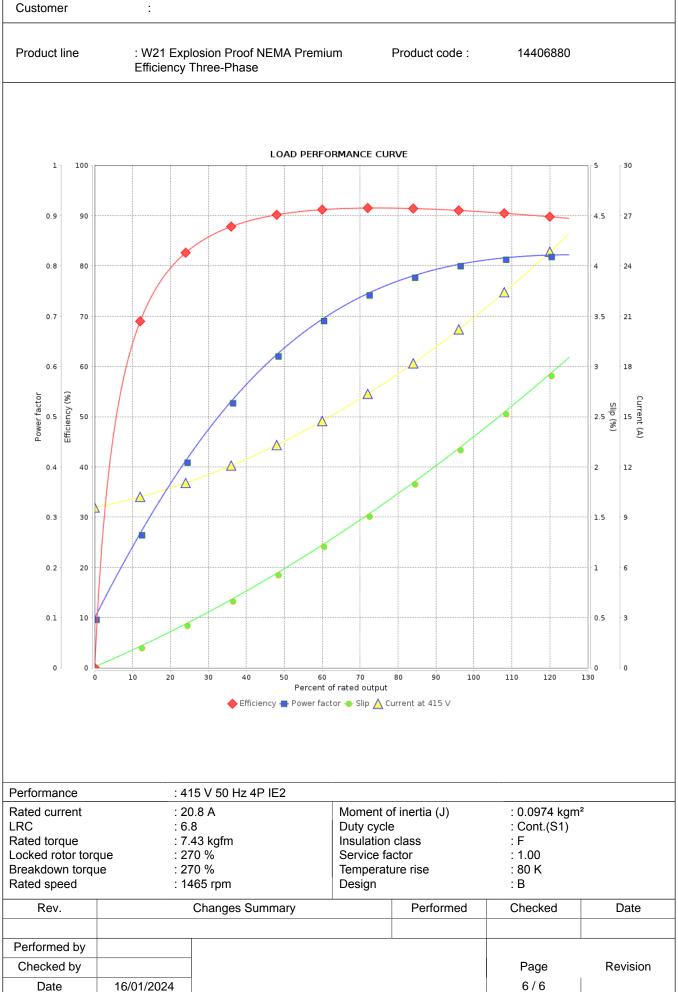
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