DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

		ncy Three-Phase		Product code :			
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 256T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B	Mount Rotatio Startin 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 : 163 kg : 0.0611 kgm²	
Output [HP]		20	20		20	20	
Poles		2	2		2	2	
Frequency [Hz]		60	50		50	50	
Rated voltage [V]		230/460	380		100	415	
Rated current [A]		46.4/23.2	27.8		.4	25.8	
L. R. Amperes [A]		288/144	136		145	157	
LRC [A]		6.2x(Code G)	4.9x(Code	, ,	Code F)	6.1x(Code G)	
No load current [A]		13.4/6.70	6.40		6.80	7.20	
Rated speed [RPM]		3530	2900		910	2920	
Slip [%]			1.94 3.33		3.00	2.67	
Rated torque [kgfr			4.11 5.01		.99	4.97	
_ocked rotor torqu		200	140		160	180	
Breakdown torque	e [%]	250	190		210	229	
Service factor		1.15	1.00		.00	1.00	
Temperature rise		80 K	80 K		0 K	80 K	
Locked rotor time		46s (cold) 26s (hot)	30s (cold) 17s		d) 17s (hot)	30s (cold) 17s (hot)	
Noise level ²		75.0 dB(A)	70.0 dB(A		dB(A)	70.0 dB(A)	
	25%	90.0	89.9		9.9	89.9	
Efficiency (%)	50%	90.2	90.2		0.2	90.2	
	75%	91.0	91.0		01.0	91.0	
	100%	91.0	91.0		01.0	91.0	
	25%	0.55	0.61		0.58	0.55	
Power Factor	50%	0.79	0.83		0.81	0.79	
	75%	0.86	0.88		0.87	0.86	
	100%	0.89	0.90		0.90	0.89	
Bearing type Sealing Lubrication interval Lubricant amount		: 6309 C3 620	09 C3 Max. tra	Foundation loads Max. traction : 98 kgf Max. compression : 261 kgf			
Sealing Lubrication interv		: 15797 h 18	447 h 9 g EM				
Sealing Lubrication interv Lubricant amour	nt	: 15797 h 18 : 13 g : Mobil Polyrex E	9 g				
Sealing Lubrication inten Lubricant amoun Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	t 50.6A SF 1. 50.6A SF 1. aces and can ed. notor from the 1m and with t weight subjectocess.	: 15797 h 18 : 13 g : Mobil Polyrex E 10 SFA 55.6A	9 g EM	are average value supply, subject to t		ts with sinusoidal stipulated in NEMA	
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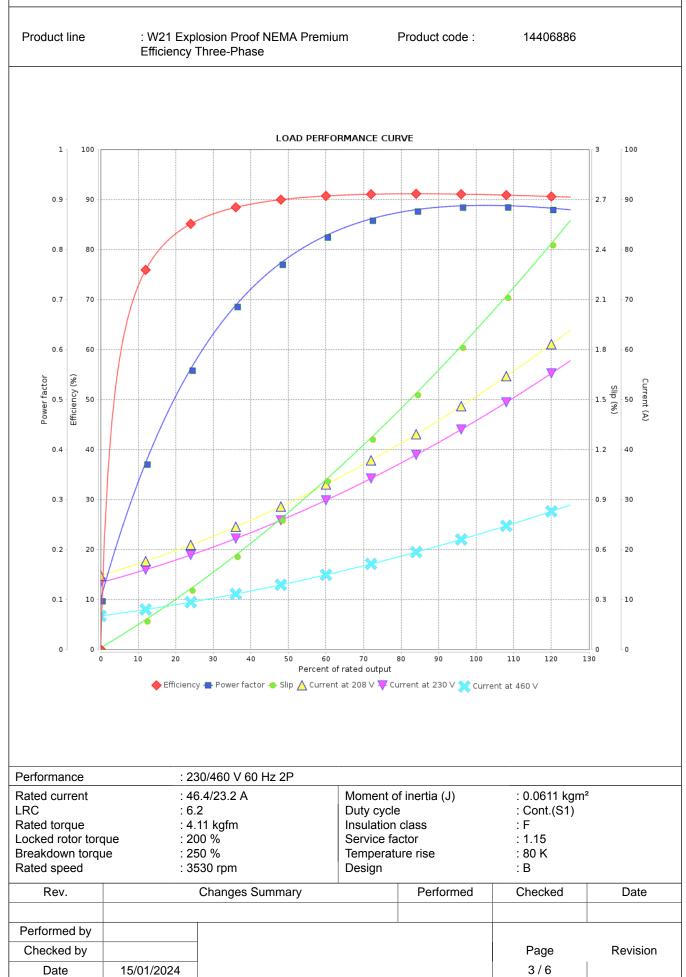
ID	Application	pplication Type C		Sensing ⁻	Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C	
Rev.	Change	es Summary	Performed	Checked	Date	
rformed by necked by				Page	Revision	
	15/01/2024			2/6		



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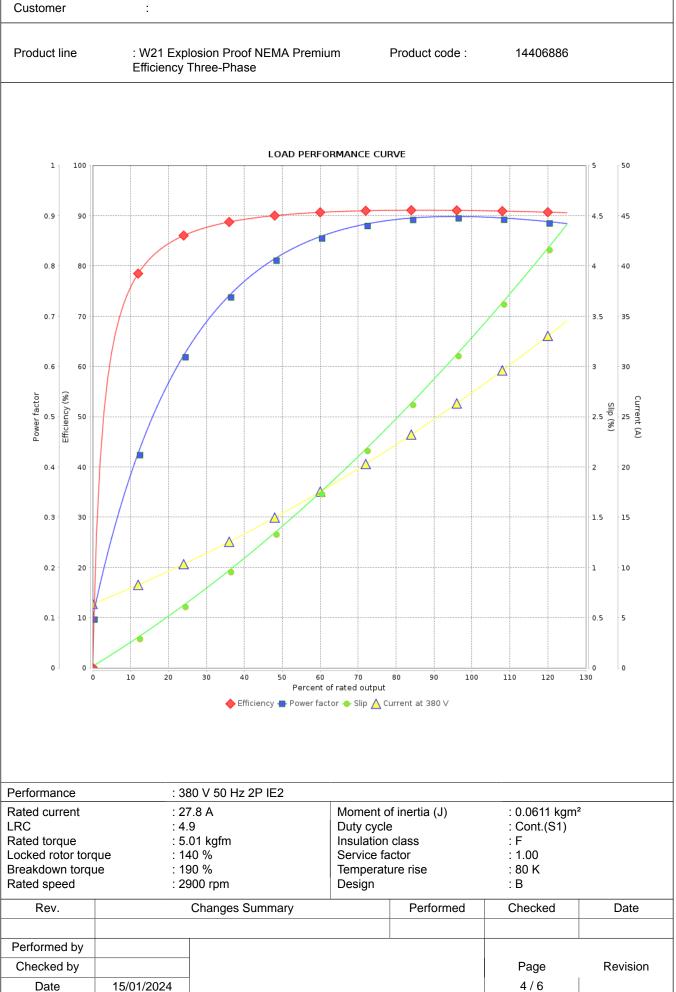
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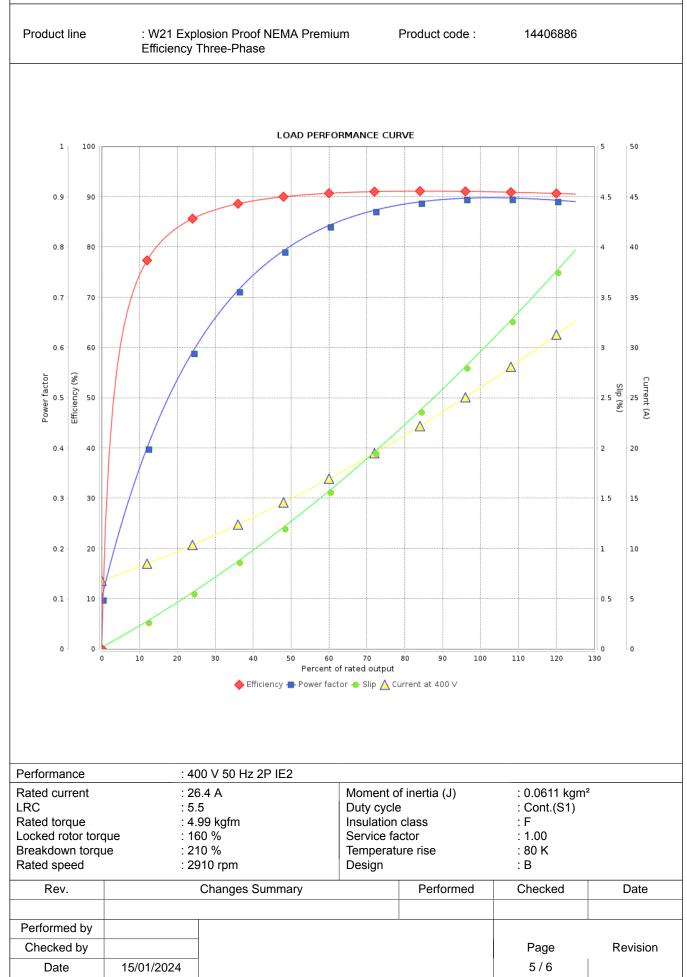
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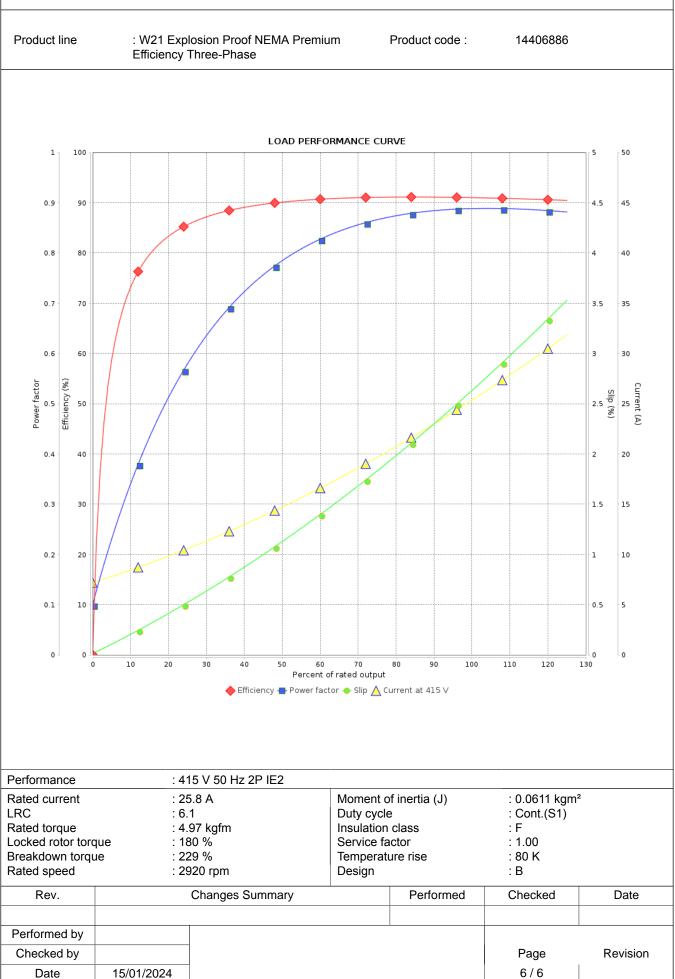
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