# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

	Emolor	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	Mounti Rotatio Starting Approx	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 : 147 kg : 0.1401 kgm²	
Output [HP]		7.5	7.5		7.5	7.5	
Poles		6	6		6	6	
Frequency [Hz]		60	50		50	50	
Rated voltage [V]		230/460 19.5/9.73	380 11.5		40041511.010.8		
Rated current [A]		136/68.1				71.3	
L. R. Amperes [A] LRC [A]		7.0x(Code J)	5.6x(Code 0		68.2 (Code H)	6.6x(Code H)	
No load current [A]		10.4/5.20	5.20		5.50	5.80	
Rated speed [RPN		1175	960		965	965	
Slip [%]		2.08	4.00		3.50	3.50	
Rated torque [kgfr	m]	4.63	5.67		5.64	5.64	
Locked rotor torqu		270	175		200	220	
Breakdown torque		320	229		260	280	
Service factor		1.15	1.00		1.00	1.00	
Temperature rise		80 K	80 K		80 K	80 K	
Locked rotor time		45s (cold) 25s (hot)	18s (cold) 10s		ld) 10s (hot)	18s (cold) 10s (hot)	
Noise level <sup>2</sup>		59.0 dB(A)	57.0 dB(A)		0 dB(A)	57.0 dB(A)	
	25%	87.5	90.1		89.8	89.8	
Efficiency (%)	50%	88.5	89.5		89.5	89.5	
	75%	90.2	89.5		90.2	90.2	
	100%	91.0	88.5		89.5	89.5	
	25%	0.34	0.40		0.37	0.34	
Power Factor	50%	0.58	0.65		0.62	0.59	
	75%	0.71	0.77		0.74	0.72	
	100%	0.78	0.82		0.81	0.79	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6309 C3 620 : Oil Seal Lip : 20000 h 200	09 C3 Max. tra o Seal Max. co 000 h 9 g	Foundation loadsMax. traction: 175 kgfMax. compression: 322 kgf			
Notes	/ 21.5A SF 1. <sup>-</sup>	15 SEA 24 7A					
USABLE @208V This revision repl must be eliminate	ed.	icel the previous one, wh	power s			sts with sinusoidal stipulated in NEMA	
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with to weight subjec ocess.	icel the previous one, wh	power s MG-1.			stipulated in NEMA	
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. notor from the 1m and with to weight subjec ocess.	icel the previous one, wh shaft end. olerance of +3dB(A). t to changes after	power s MG-1.	supply, subject to	the tolerances	stipulated in NEMA	
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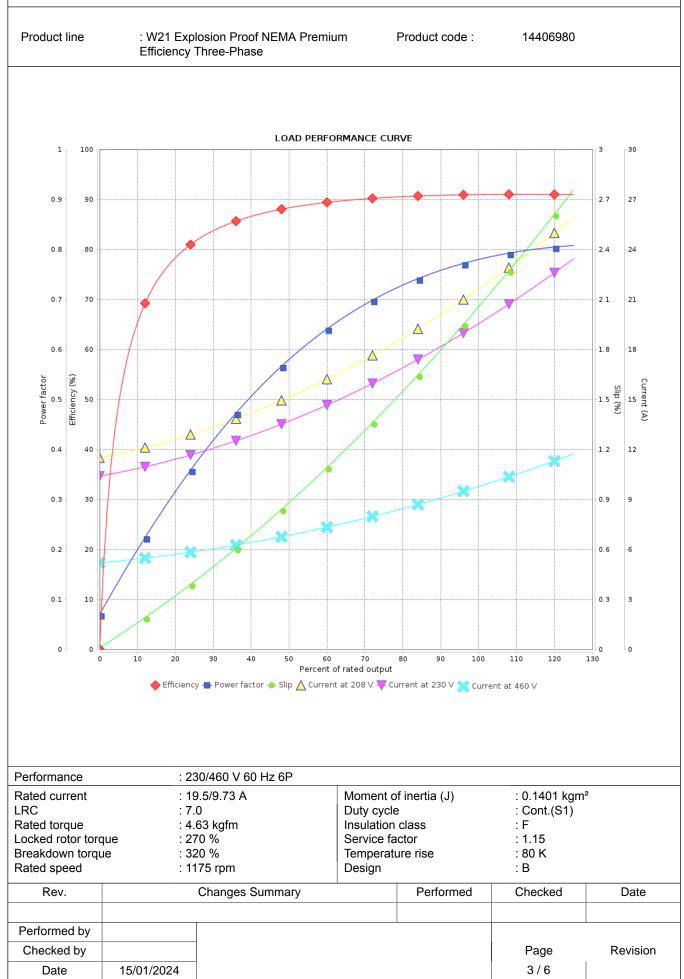
ID	Application	oplication Type Quan			g Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C	
Rev.	Change	es Summary	Performed	Checked	Date	
rformed by necked by				Page	Revision	
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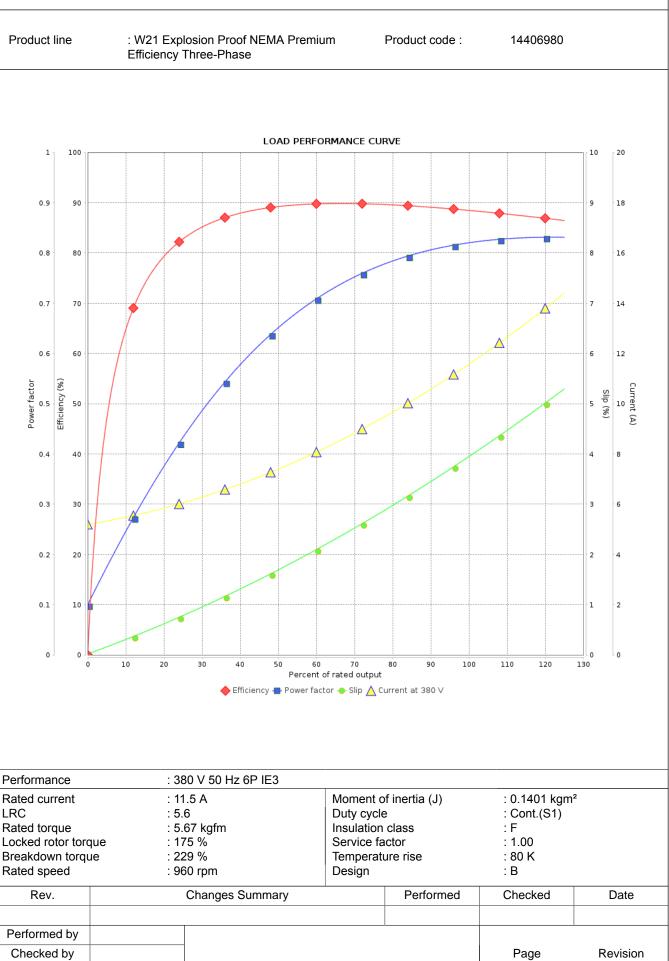
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Date

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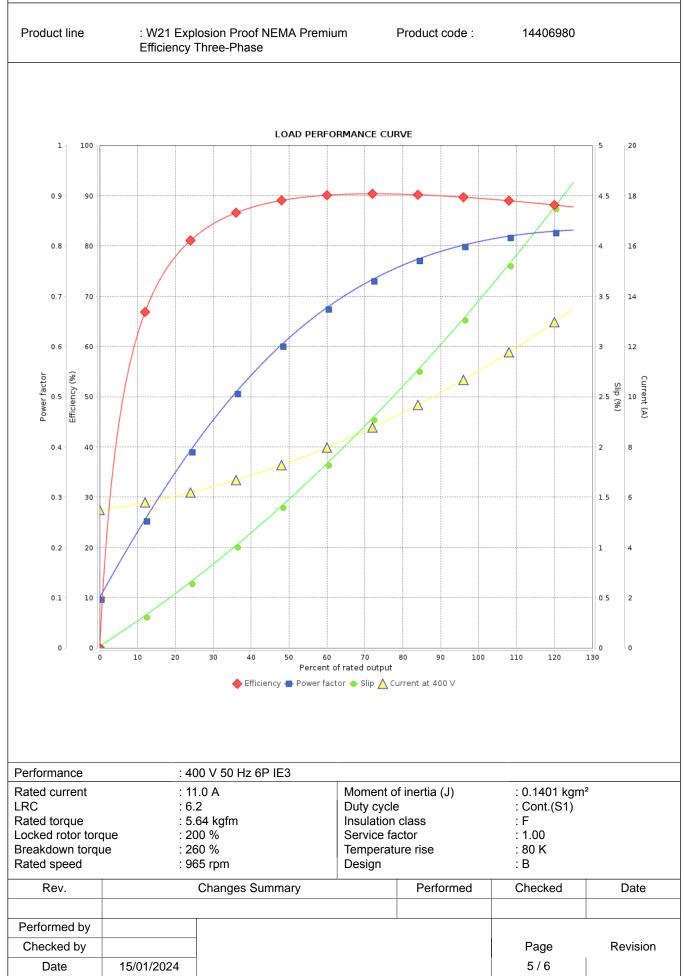
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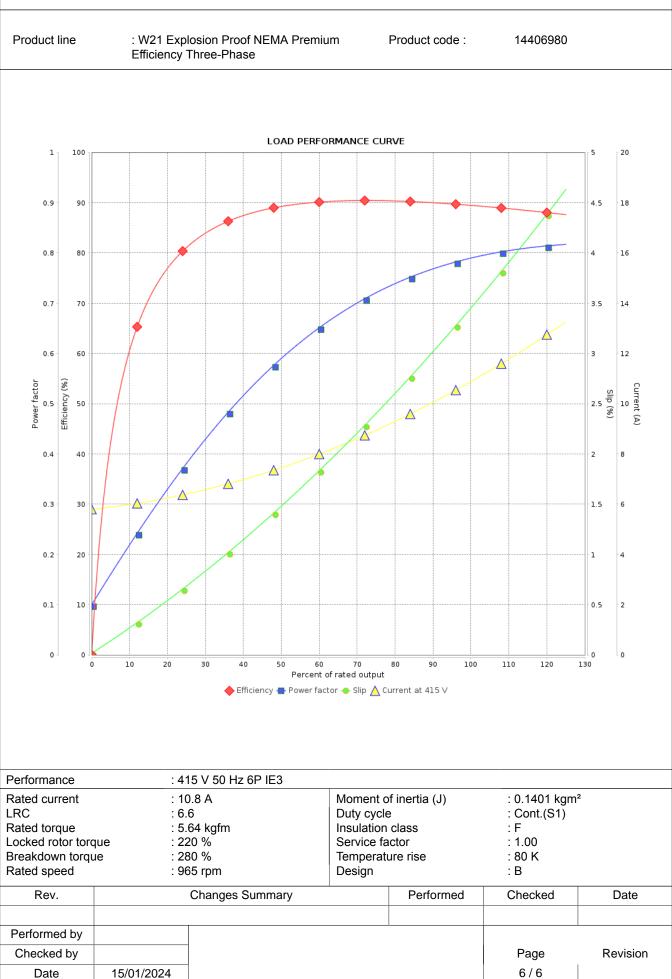
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