# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

Frame			T					
Frame		: 404/5T		Cooling meth	od	: IC411 - TEFC		
Insulation class		: F	: F Moun			: F-1		
Duty cycle				Rotation <sup>1</sup> : Both (CW and CCW)				
Ambient temperature					Starting method : Direct On Line			
Altitude		: 1000 m.a.s.l.			. weight <sup>3</sup> : 553 kg			
Protection degree		: IP55			of inertia (J) : 1.11 kgm <sup>2</sup>			
Design		: B						
Output [HP]		100		75 4	75		75	
Poles		4			4		4	
Frequency [Hz]			60 50		50		50	
Rated voltage [V]		230/460			400		415	
Rated current [A]			226/113 103 627/814 773		100		98.7	
L. R. Amperes [A]					840		898	
RC [A]	_		7.2x(Code H) 7.5x(C				9.1x(Code K)	
No load current [A			78.0/39.0 39.0		42.0		45.0	
Rated speed [RPN	/I]	1780		1480	148		1485	
Slip [%]			1.11 1.33		1.00		1.00	
Rated torque [kgfr			40.8 36.8		36.7		36.7	
ocked rotor torqu			270 270		300		320	
Breakdown torque [%]		280			360		370	
Service factor		1.15			1.00		1.00	
Temperature rise		80 K			80 k	(	80 K	
Locked rotor time		23s (cold) 13s (hot)		old) 12s (hot)	21s (cold) 1		21s (cold) 12s (hot)	
Noise level <sup>2</sup>		75.0 dB(A)		0.0 dB(A)	70.0 dE	B(A)	70.0 dB(A)	
	25%							
Efficiency (%) Power Factor	50%	94.5		94.0	93.6	3	93.6	
	75%	95.0		94.5	94.5	5	94.5	
	100%	95.4	1	94.5	94.5	5	94.5	
	25%							
	50%	0.72		0.69	0.65	5	0.62	
	75%	0.82	1	0.80	0.77	7	0.75	
	100%	0.87		0.86	0.84	<b>i</b>	0.82	
	1		rive end	Foundation loa	ads	11		
Bearing type Sealing Lubrication interval		: NU-217 C3 63	NU-217 C3 6314 C3		Max. traction : 1058 kgf			
		: Oil Seal Lip	Seal	Max. compres				
			789 h					
Lubricant amount			27 g					
		: Mobil Polyrex E						
Lubricant type								
Lubricant type Notes USABLE @208V	250A SF 1.0	00 SFA 250A						
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. notor from the 1m and with t weight subject ocess.	ncel the previous one, w	hich				ts with sinusoidal stipulated in NEMA	
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and car ed. notor from the 1m and with t weight subject ocess.	ncel the previous one, wi e shaft end. colerance of +3dB(A).		power supply, MG-1.			stipulated in NEMA	
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	aces and car ed. notor from the 1m and with t weight subject ocess.	ncel the previous one, where the previous one, where the previous one, where the shaft end. The shaft end. The shaft end of +3dB(A). The shaft end of the shaft		power supply, MG-1.	subject to the	tolerances	stipulated in NEMA	
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	aces and car ed. notor from the 1m and with t weight subject ocess.	ncel the previous one, where the previous one, where the previous one, where the shaft end. The shaft end. The shaft end of +3dB(A). The shaft end of the shaft		power supply, MG-1.	subject to the	tolerances s	stipulated in NEMA	
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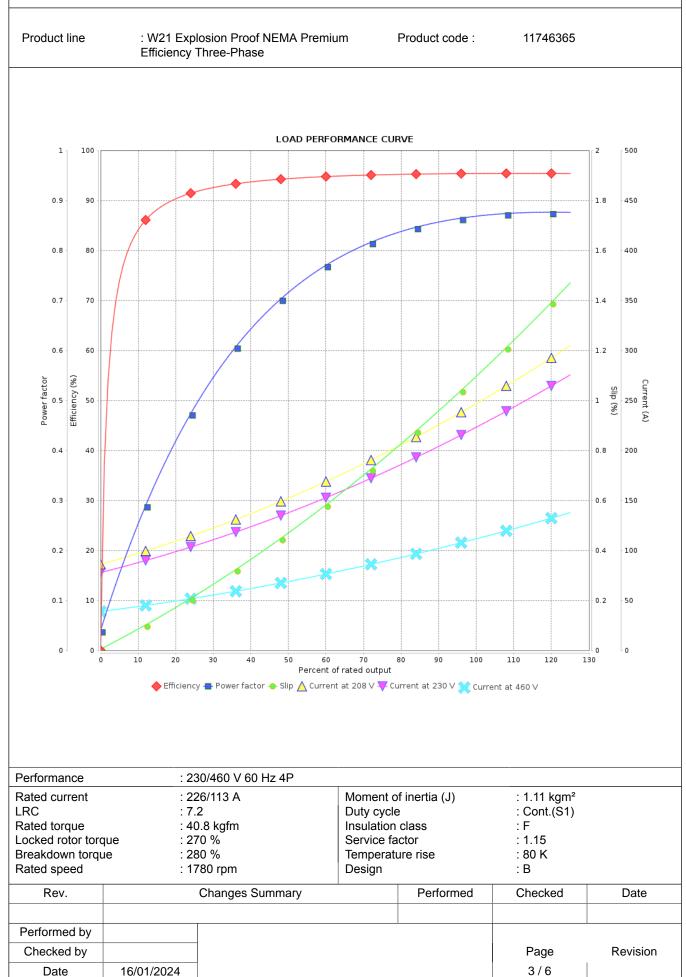
ID	Application	Туре	Quantity	Sensing Temperatu	
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
	<b>.</b>				
Rev.	Changes	Summary	Performed	Checked	Date
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hecked by Date	16/01/2024			2/6	Revision



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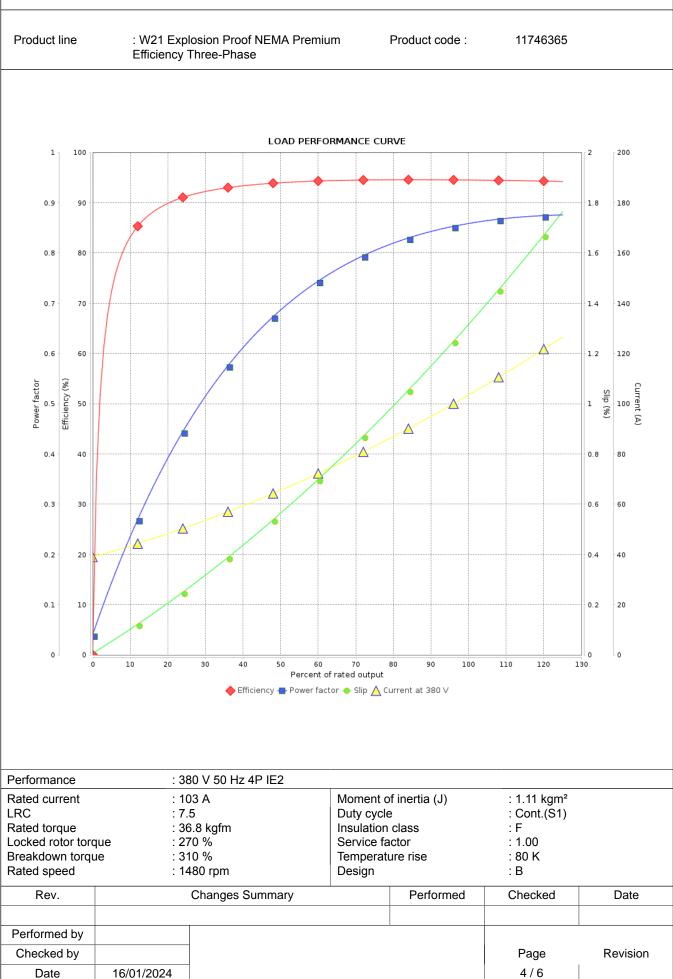
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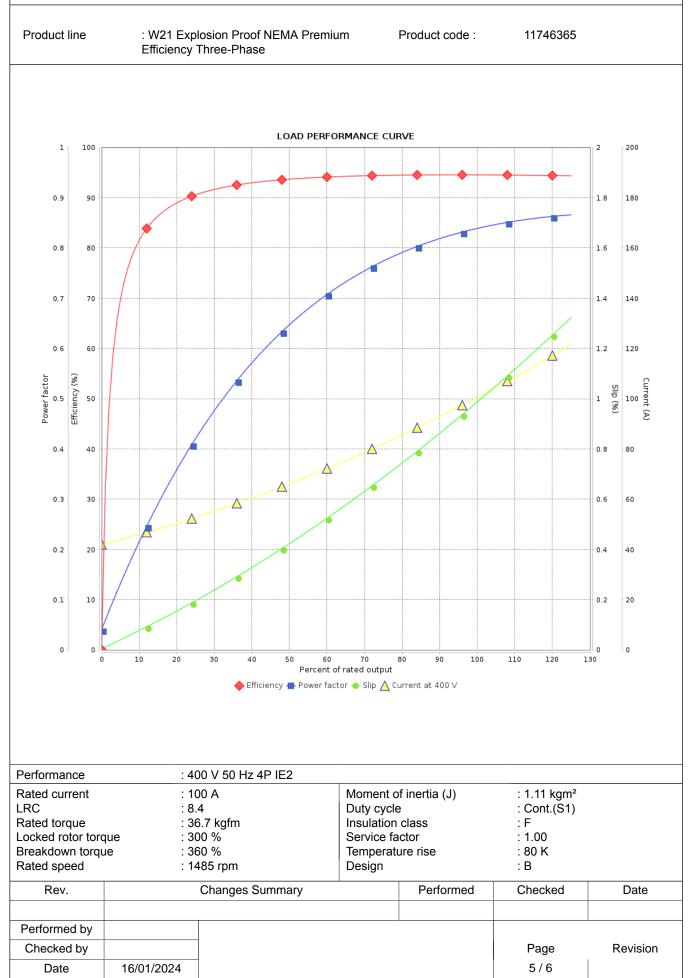


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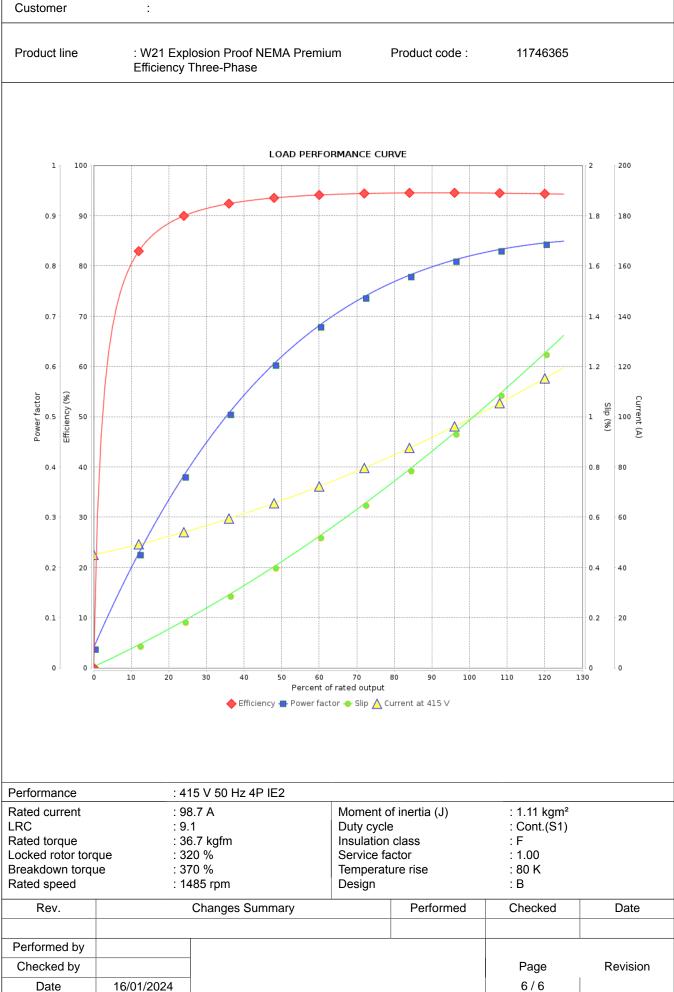


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