# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

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Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: FMounti: Cont.(S1)Rotation: -20°C to +40°CStarting: 1000 m.a.s.l.Approx		Cooling meth Mounting Rotation <sup>1</sup> Starting meth Approx. weig Moment of in	ng : F-1 n <sup>1</sup> : Both (CW and CCW) g method : Direct On Line				
Output [HP]		50		40	40	)	40		
Poles		2			2		2		
Frequency [Hz]		60			50		50		
Rated voltage [V]		230/460			40				
Rated current [A]		111/55.5			52.		51.0		
L. R. Amperes [A]			799/400 30		38		403		
LRC [A]		. ,			Code G) 7.4x(C 14.5 15		7.9x(Code J)		
No load current [A]					15.7 2965		16.6 2965		
Rated speed [RPM]		1.11			1.1				
Slip [%] Rated torque [kgfm]		10.2	9.81		9.7		9.79		
Locked rotor torqu		260			27		280		
Breakdown torque		260			28		300		
Service factor		1.15			1.0		1.00		
Temperature rise		80 K		1.00 80 K	80	80 K			
ocked rotor time		59s (cold) 33s (hot)		old) 20s (hot)	36s (cold)		36s (cold) 20s		
Noise level <sup>2</sup>		81.0 dB(A)	74	.0 dB(A)	74.0 d	. ,	74.0 dB(A	)	
Efficiency (%)	25%	91.8		92.2	92.		91.8		
	50%	92.4		92.4	92.		92.4		
j (/*)	75%	93.6		93.0	93.		93.6		
	100%	94.1		93.0	93.		94.1		
	25% 50%	0.58		0.58 0.82	0.5		0.52		
Power Factor	50% 75%	0.82		0.82	0.7		0.77		
	100%	0.89		0.89	0.8		0.85		
Bearing type Sealing Lubrication interval		Drive end Non dr   : 6312 C3 62 <sup>-1</sup>	Drive end 6312 C3Non drive end 6212 C3Oil Seal 9829 hLip Seal 12143 h						
Sealing Lubrication interv Lubricant amoun		: 9829 h 12 : 21 g 1	143 h 13 g			: 521 K	gf		
Sealing Lubrication interv	ıt	: 9829 h 12 : 21 g 1 : Mobil Polyrex E	143 h 13 g			: 521 K	gf		
Sealing Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1	aces and car aces and car ed. lotor from the Im and with t weight subject occess.	: 9829 h 12 : 21 g 1 : Mobil Polyrex E 00 SFA 123A ncel the previous one, where the previous one, where the previous one, where the previous one is the previous o	143 h 13 g EM	These are ave power supply, MG-1.	erage values l subject to the	based on te e tolerances	sts with sinusoid		
Sealing Lubrication interv Lubricant amoun Lubricant type 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 aces and car ed. lotor from the Im and with t weight subject occess.	: 9829 h 12 : 21 g 1 : Mobil Polyrex E 00 SFA 123A ncel the previous one, where the previous one, where the previous one, where the previous one is the previous one of the previous one of the previous one is the previous one of the previous o	143 h 13 g EM	These are ave power supply, MG-1.	erage values l	based on te	sts with sinusoid	MA	
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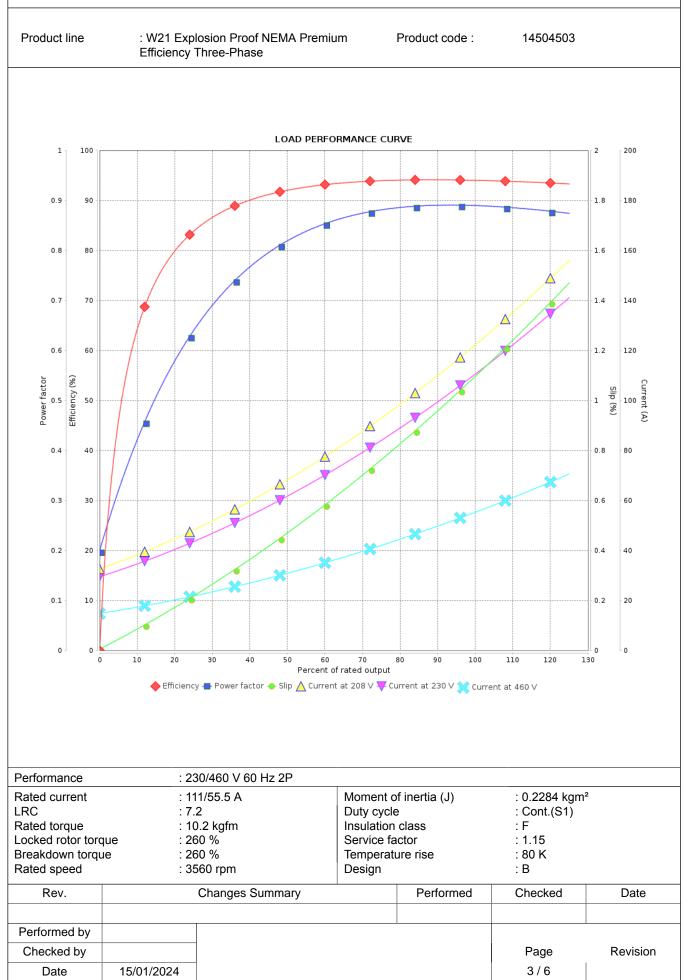
ID	Application	pplication Type Q			Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C	
Rev.	Change	es Summary	Performed	Checked	Date	
rformed by necked by				Page	Revision	
	15/01/2024			2/6		



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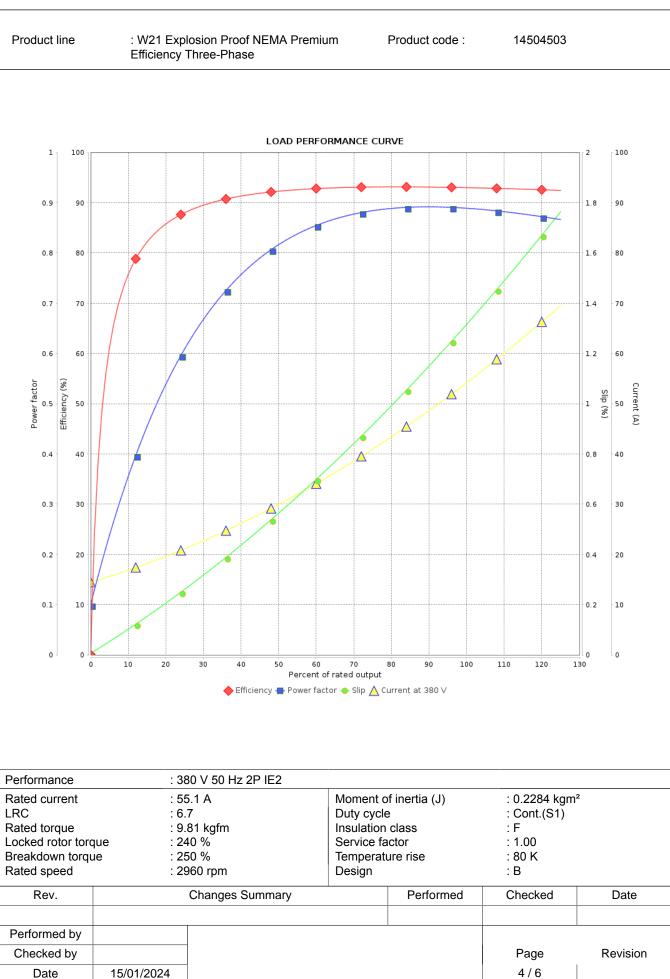
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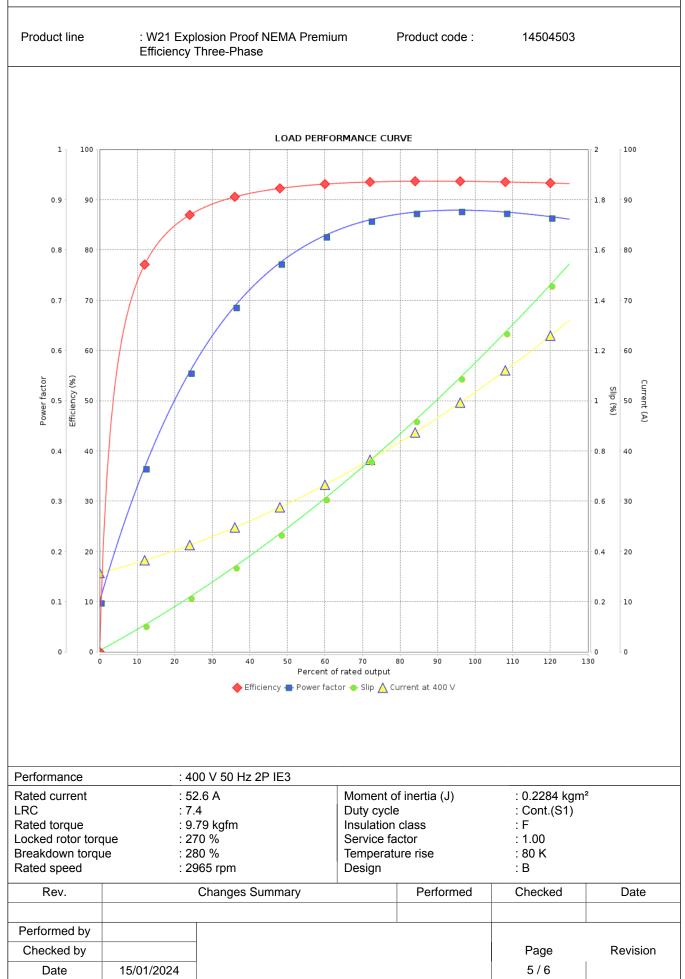


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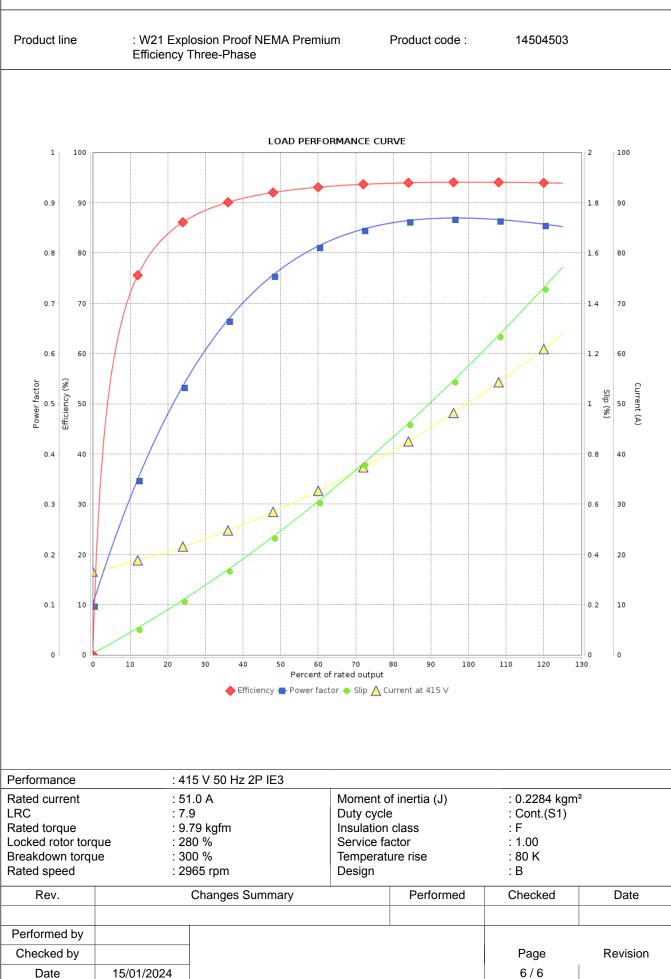
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