# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W21 Explosion Proo Premium Efficiency Tl			duct code :	14407	580	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: F M : Cont.(S1) R : -20°C to +40°C Si : 1000 m.a.s.l. Aj		Mounting :   Rotation <sup>1</sup> :   Starting method :   Approx. weight <sup>3</sup> :		: F-1 : Both : Direc : 314 I	IC411 - TEFC F-1 Both (CW and CCW) Direct On Line 314 kg 0.3861 kgm <sup>2</sup>	
Output [HP]		50		40	4	0	40	
Poles		4			4		4	
Frequency [Hz]			60 50		5	I	50	
Rated voltage [V]			230/460 38		40			
Rated current [A]		121/60.7			58		58.7	
. R. Amperes [A]					415 4		470	
LRC [A]		7.3x(Code H)		Code H)	7.6x(C		8.0x(Co	
No load current [A]		50.0/25.0		24.0		26.0		)
Rated speed [RPM]		1775		475		1480		0
Slip [%]			1.39 1		1.3		1.33	
Rated torque [kgfr		20.4	19.7		19		19.6	
_ocked rotor torqu			260 24		26		280	
Breakdown torque	[%]	280		260	29		310	
Service factor		1.15		1.00	1.(		1.00 80 k	
Temperature rise		80 K		30 K		80 K		
_ocked rotor time			s (cold) 16s (hot) 21s (cold) 12				21s (cold) 1	
Noise level <sup>2</sup>	050/	71.0 dB(A)	69.0	) dB(A)	69.0 c	3B(A)	69.0 dE	3(A)
	25%	02.0		0 20		0	00	4
Efficiency (%)	50% 75%	93.6		93.0	93		92.4	
3 ( )		94.5		93.6	93		93.6	
	100% 25%	94.5	Ę	93.6	93	0.	93.6	2
Power Factor	25% 50%	0.65		) 65	0.6	20	0.5	7
	50% 75%	0.65 0.76		).65 ).76	0.6		0.57	
	100%	0.76		).76 ).81	0.73 0.79		0.69	
Bearing type Sealing	I	<u>Drive end</u> <u>Non dr</u> : 6312 C3 62	r <u>ive end</u> F 12 C3 M	Foundation I Max. traction Max. compre	oads	: 607 k : 924 k	gf	<u>,</u>
Lubrication interval Lubricant amount Lubricant type		: <b>21</b> g 1	20000 h 20000 h					
Notes USABLE @208V	134A SF 1.0	00 SFA 134A						
must be eliminate (1) Looking the m (2) Measured at 1	ed. otor from the m and with t veight subjec ocess.	ncel the previous one, wh e shaft end. olerance of +3dB(A). et to changes after	p		verage values y, subject to th			
Rev.		Changes Summary	Changes Summary		Performed	Performed Checke		Date
Performed by								
Checked by						Page	Re	vision
Date	28/10/202	4				1/6		
			<u> </u>					

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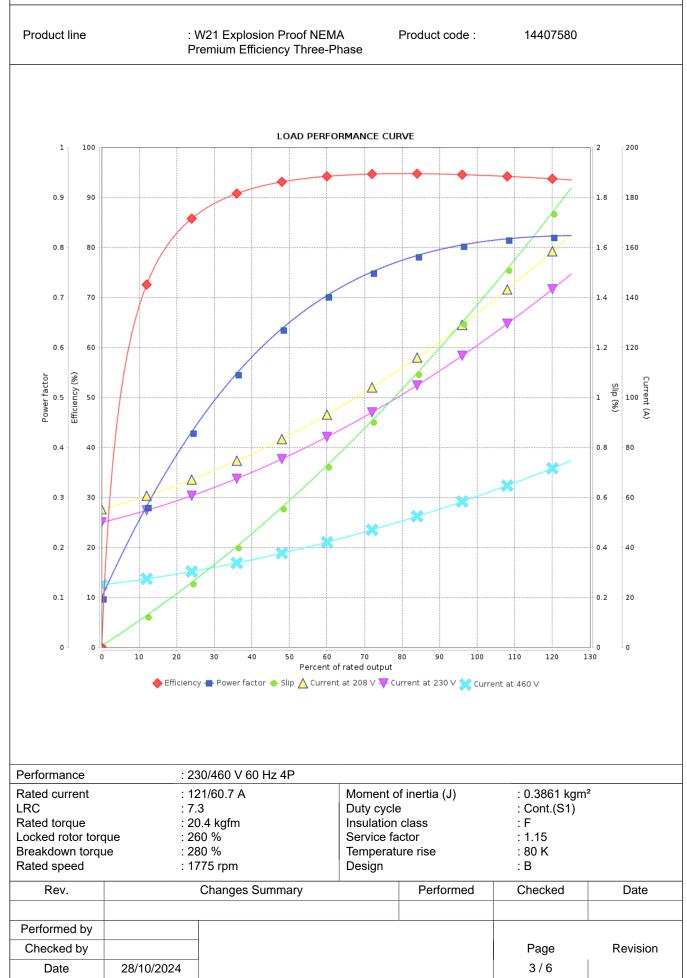
ID	Application	Туре	Quantity	Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
Rev.	Chang	jes Summary	Performed	Checked	Date
Performed by Checked by				Page	Revision



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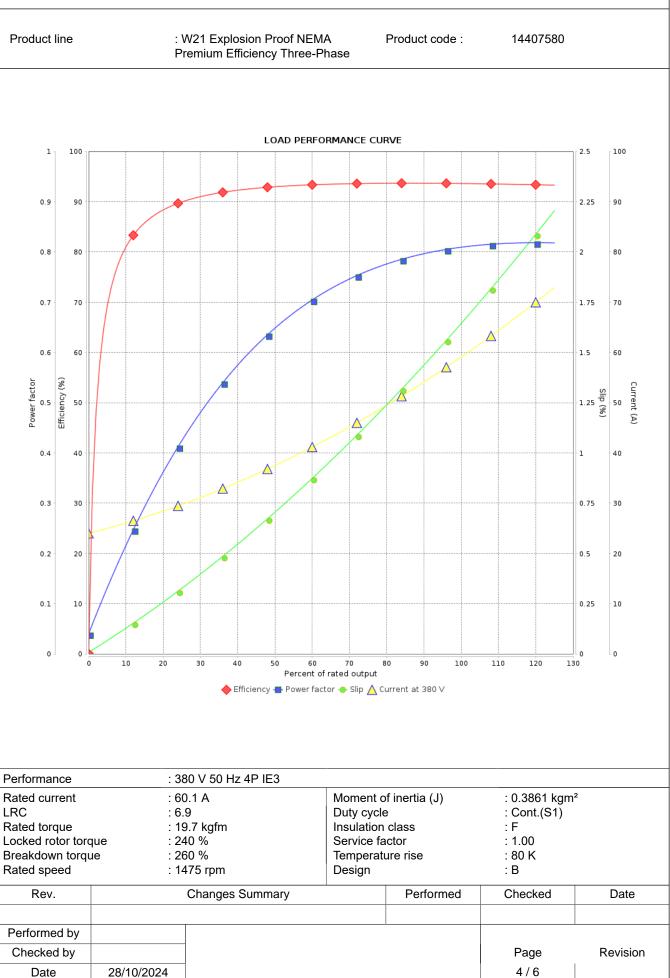
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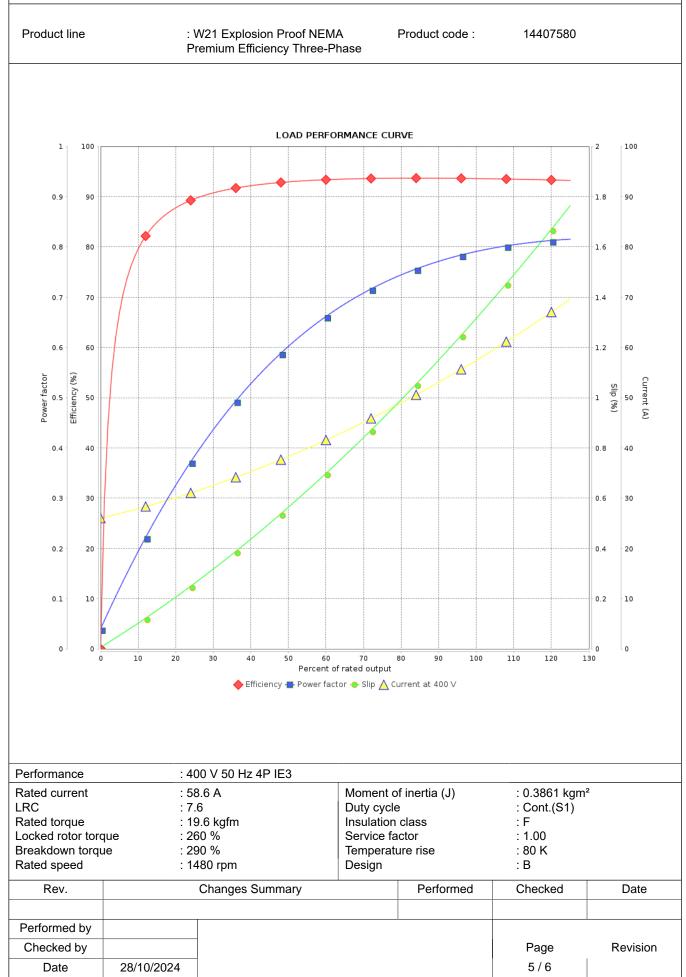
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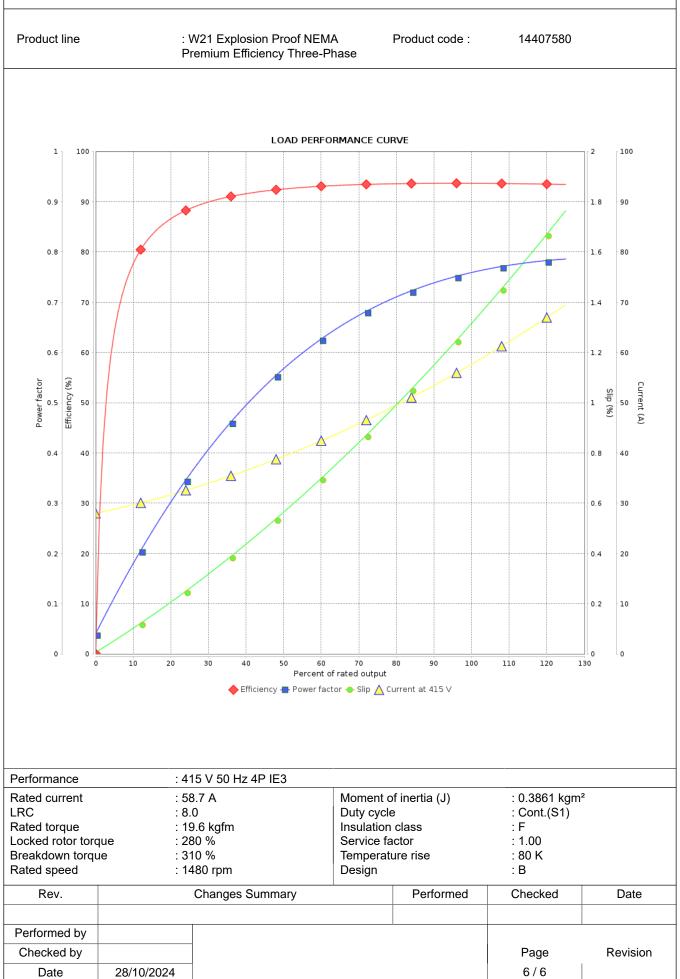
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