# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W21 Explosion Proo Premium Efficiency Tl			roduct code :	14338143	3
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 143/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.I. : IP55 : B		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 : 32.6 kg : 0.0023 kgm²	
Output [HP]		2	<u> </u>	2	2	)	2
Poles		2		2	2		2
Frequency [Hz]		60		50	5		50
Rated voltage [V]		230/460	380		40		415
Rated current [A]		5.38/2.69		3.25	3.0		3.05
L. R. Amperes [A]		49.5/24.7		22.8	23		24.4
_RC [A]		9.2x(Code L)	7 (	Dx(Code J)	7.5x(C		8.0x(Code K)
No load current [A	1	2.40/1.20	1.0	1.10	1.2		1.30
Rated speed [RPN		3495		2860	28		2890
Slip [%]	ניי נ	2.92		4.67	4.0		3.67
Rated torque [kgfn	nl	0.416		0.508	0.5		0.503
_ocked rotor torqu		370		270	31		340
Breakdown torque		420		290	33		360
Service factor		1.15		1.00	1.0		1.00
Temperature rise		80 K		80 K	80		80 K
_ocked rotor time		27s (cold) 15s (hot)	370 (1	cold) 21s (hc			7s (cold) 21s (hot
Voise level <sup>2</sup>		68.0 dB(A)		2.0 dB(A)	62.0 c		62.0 dB(A)
	25%	78.4	0	81.1	82		81.0
	50%	80.0		81.5	82		81.5
Efficiency (%)	75%	84.0		82.5	84		84.5
	100%	85.5		82.5	84		84.5
	25%	0.41		02.3	0.4		0.39
	50%	0.64		0.70	0.6		0.62
Power Factor	75%	0.76		0.81	0.0		0.75
	100%	0.82		0.85	0.0		0.81
Bearing type	100 /0	Drive end Non dr	r <u>ive end</u> 04 2RS	Foundatior	n loads		0.01
Sealing Lubrication interval Lubricant amount Lubricant type			o Seal - -	Max. tracti Max. comp		: 35 kgf : 68 kgf	
Notes USABLE @208V	5.95A SF 1.7	15 SFA 6.84A					
must be eliminate (1) Looking the m	ed. otor from the m and with to veight subjec ocess.	olerance of +3dB(A).	hich		average values ply, subject to th		with sinusoidal ipulated in NEMA
Rev.		Changes Summary	1		Performed	Checked	Date
Performed by							
Checked by						Page	Revision
Date	28/10/2024	1				1/6	1
Date	20/10/2024	*				1/0	

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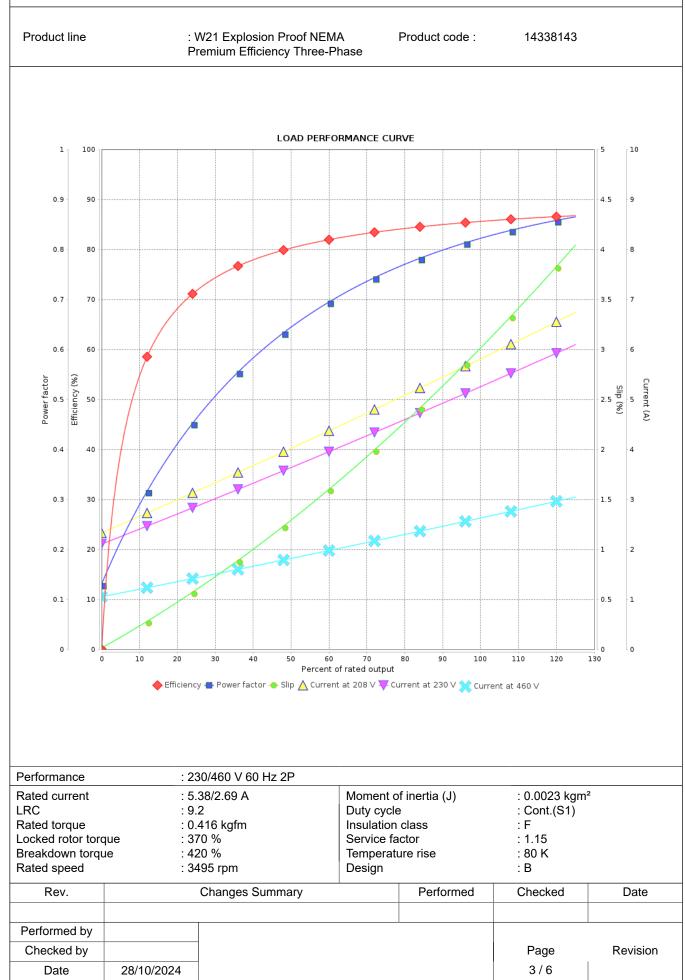
ID	Application	Туре	Quantity	Sensina	Temperature
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
Rev.	Chang	jes Summary	Performed	Checked	Date
Performed by Checked by				Page	Revision



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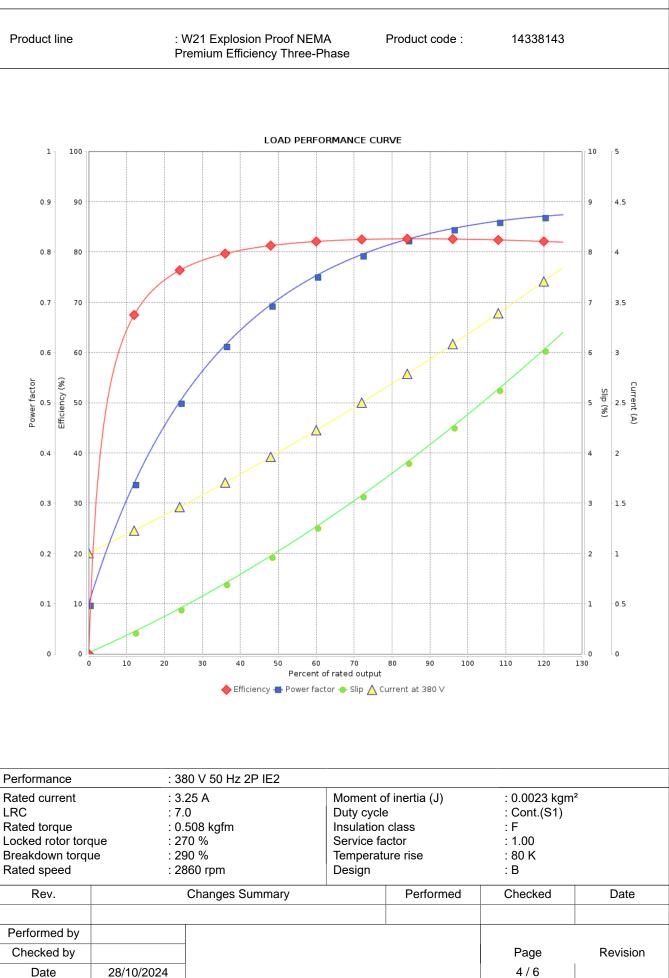
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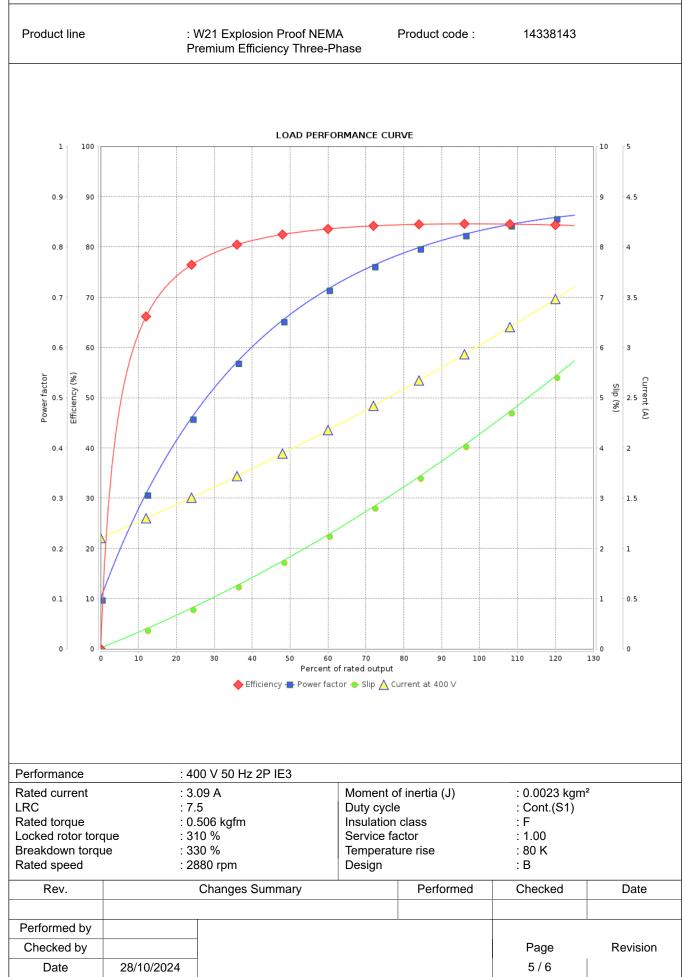


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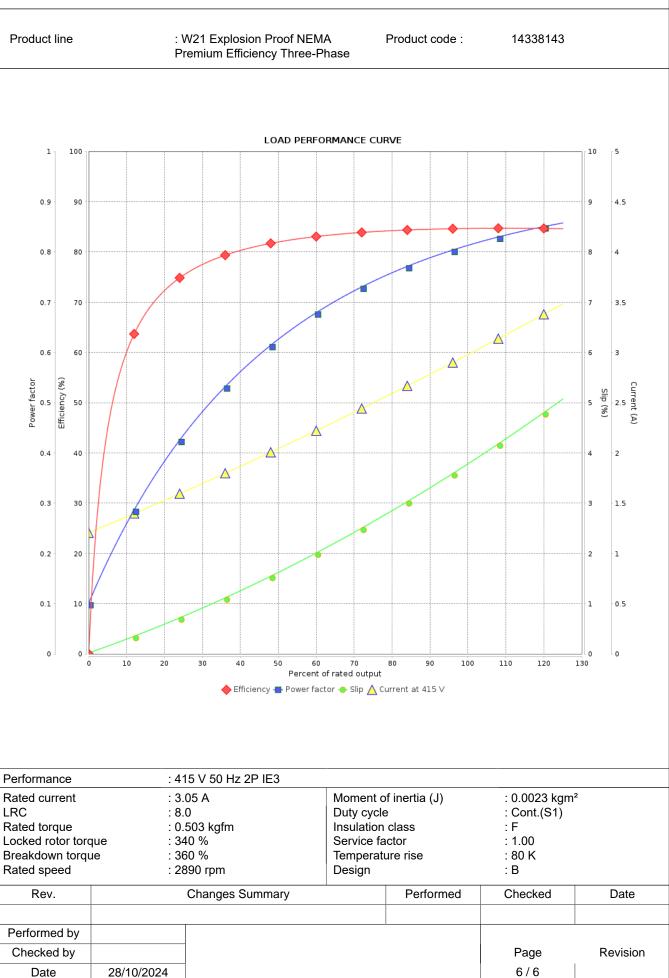
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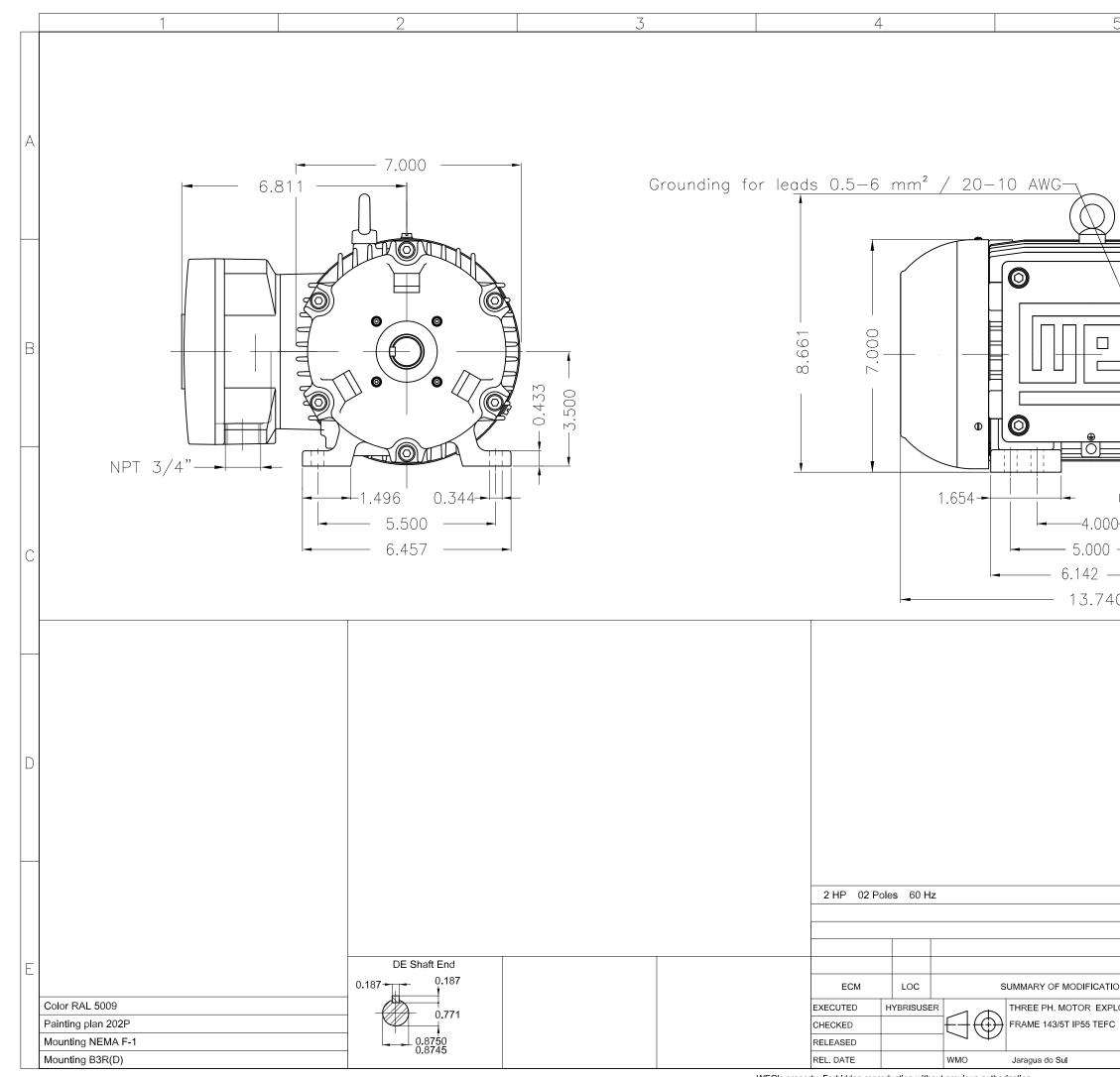
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