DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

		: W21 Explosion Proo Premium Efficiency TI			uct code :	12387996	3
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 586/7TS : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 1889 kg : 5.17 kgm²	
Output [HP]		300		250	25		250
Poles		2		2	2		2
Frequency [Hz]		60		50	50		50
Rated voltage [V]		230/460 655/328		380 335	40		415 305
Rated current [A] L. R. Amperes [A]		4323/2162		2077	222		2318
		6.6x(Code G)		(Code F)	7.0x(Co		7.6x(Code H)
LRC [A] No load current [A]		100/50.0		50.0	53		7.0x(Code H) 56.0
		3580		2980	298		2983
Rated speed [RPM]		0.56		0.67	0.6		0.57
Slip [%] Rated torque [kɑfm]		60.8		60.9	60		60.8
Rated torque [kgfm] Locked rotor torque [%]		130		110	12		130
Breakdown torque [%]		220		210	22		250
Service factor		1.15		1.00	1.0		1.00
Service factor Temperature rise		80 K		80 K		K	80 K
Locked rotor time		61s (cold) 34s (hot)		72s (cold) 40s (hot)			2s (cold) 40s (hot
Noise level ²		85.0 dB(A)		0 dB(A)	81.0 c		81.0 dB(A)
	25%		01.			<u> </u>	
	50%	94.5		94.5	94	.5	94.5
Efficiency (%)	75%	95.4		95.4	95		95.4
	100%	95.8		95.4	95		95.8
	25%						
Power Factor	50%	0.86		0.86	0.8	35	0.84
	75%	0.87		0.87	0.8		0.86
	100%	0.88	1	0.88	0.8	8	0.88
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6314 C3 63 : Oil Seal Lip : 3604 h 36	14 C3 5 Seal 504 h 27 g	Foundation loads Max. traction : 96 kgf Max. compression : 1985 kgf			
Notes USABLE @208V This revision repl must be eliminate	aces and can	0 SFA 724A cel the previous one, wl					with sinusoidal pulated in NEMA
(1) Looking the m	notor from the 1m and with to	olerance of +3dB(A).		MG-1.			
(2) Measured at (3) Approximate v manufacturing pro (4) At 100% of ful	ocess.		,		Performed	Checkod	Data
(2) Measured at 1 (3) Approximate v manufacturing pro	ocess.	Changes Summary	,	P	Performed	Checked	Date
(2) Measured at 7 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ocess.		,	P	Performed	Checked	Date
(2) Measured at 7 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	ocess.		,	P	Performed		
(2) Measured at 7 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ocess.	Changes Summary	,	P	Performed	Checked Page 1 / 6	Revision

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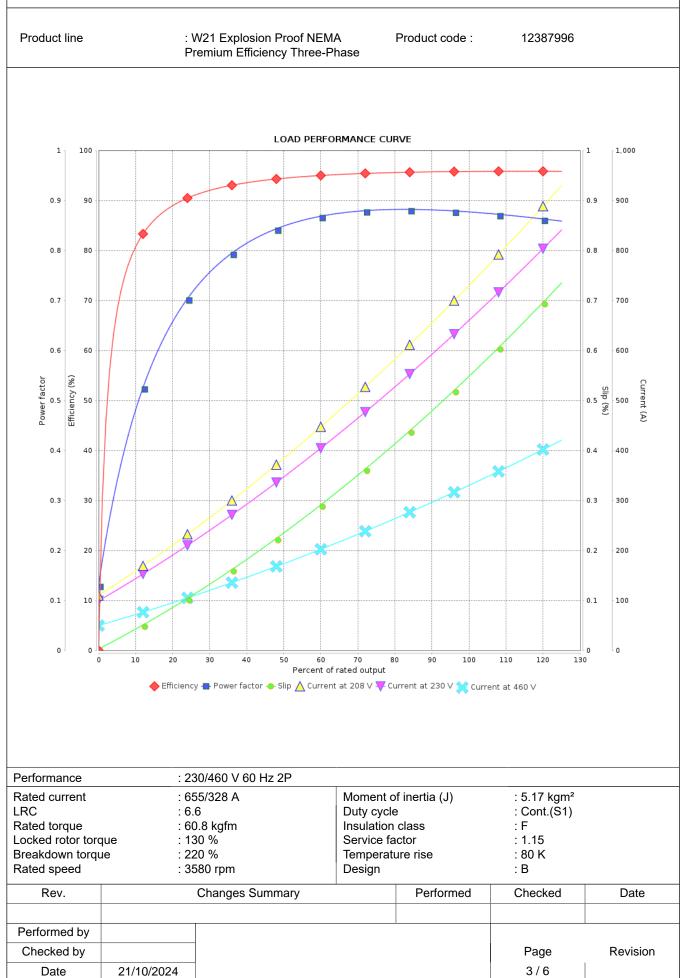
	A 11	Thermal protection			
ID	Application	Туре	Quantity		Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
Rev.	Changes	s Summary	Performed	Checked	Date
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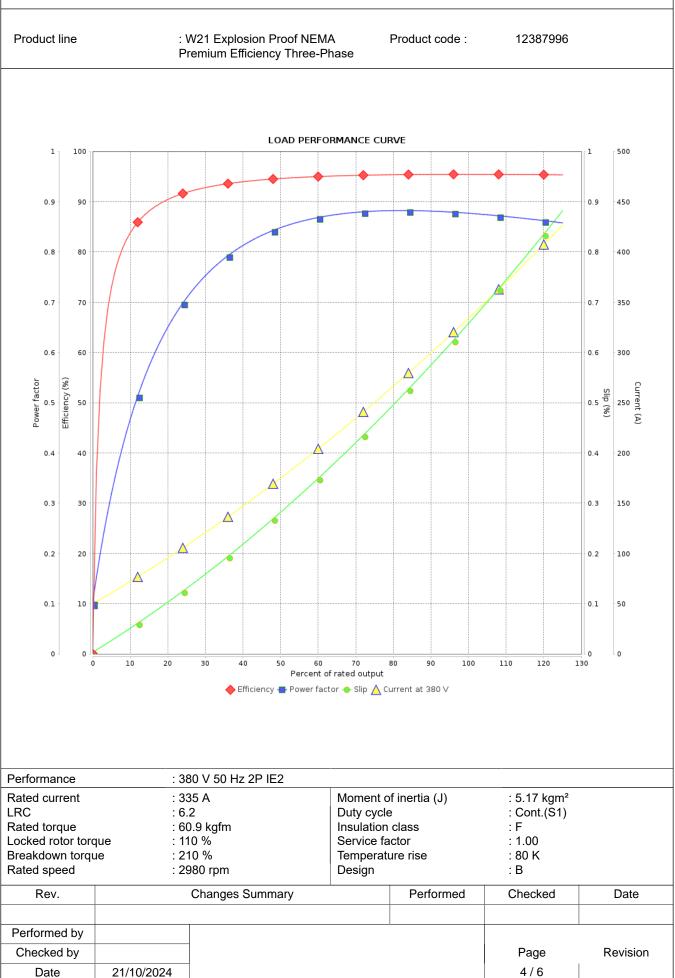
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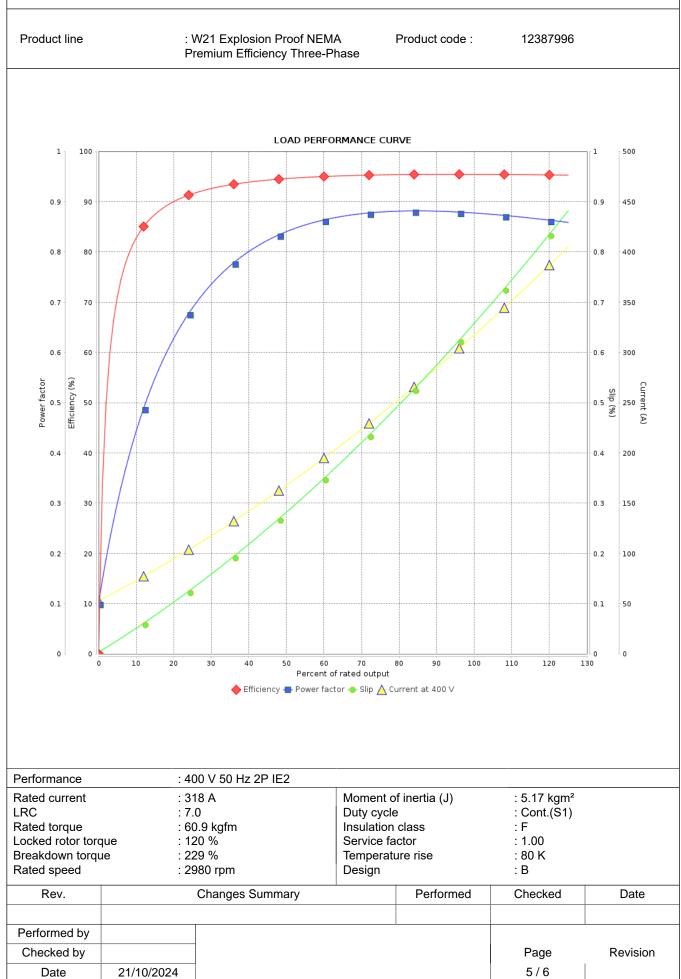
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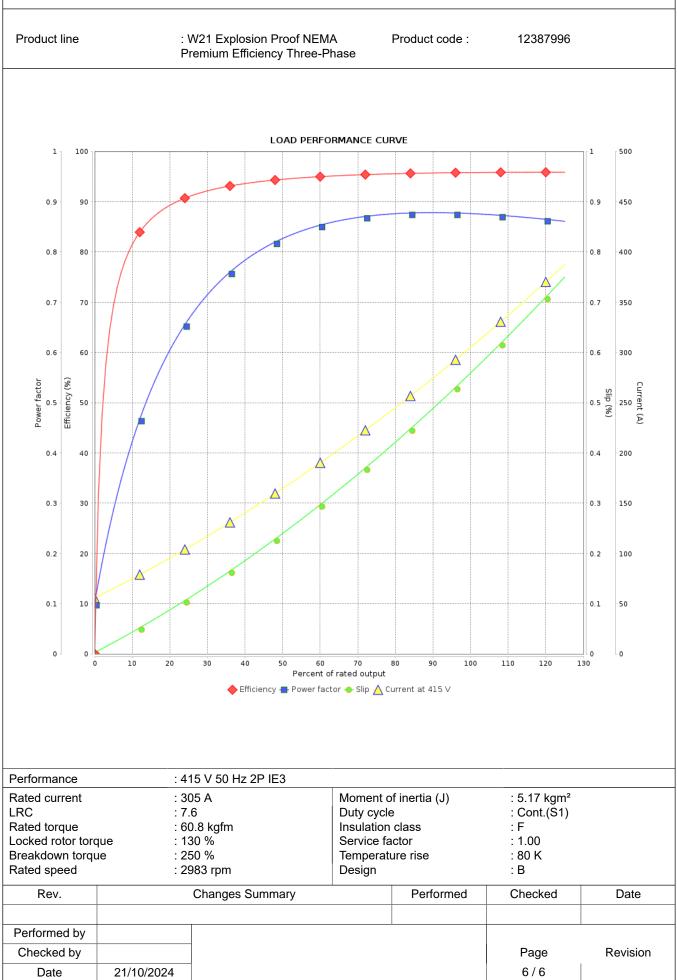
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