# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

		: W21 Explosion Proo Premium Efficiency Tl		Product code :	144068	86	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 256T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B	FMountingCont.(S1)Rotation1-20°C to +40°CStarting meth1000 m.a.s.l.Approx. weigIP55Moment of in		: F-1 : Both (CW and CCW) hod : Direct On Line ght <sup>3</sup> : 163 kg		
-		20	20			20	
Output [HP]		20	20		2	20	
Poles		60	50		0	50	
Frequency [Hz]		230/460	380		00	415	
Rated voltage [V] Rated current [A]		46.4/23.2	27.8		50 5.4	25.8	
L. R. Amperes [A]		288/144	136		45	157	
L. R. Amperes [A] LRC [A]		6.2x(Code G)	4.9x(Code D		ode F)	6.1x(Code G)	
No load current [A]		13.4/6.70	4.9x(Code D 6.40		80	7.20	
No load current [A] Rated speed [RPM]		3530	2900		10	2920	
		1.94	3.33		00	2.67	
Slip [%] Rated torque [kafm]		4.11	5.01		99	4.97	
Rated torque [kgfm]		200	140		99 60	180	
Locked rotor torque [%]		250	140		10	229	
Breakdown torque [%] Service factor		1.15	1.00		00	1.00	
		80 K	80 K			80 K	
Temperature rise Locked rotor time		46s (cold) 26s (hot)	30s (cold) 17s (				
locked rotor time		75.0 dB(A)	70.0 dB(A)		dB(A)	30s (cold) 17s (hot 70.0 dB(A)	
Efficiency (%)	25%	13.0 UD(A)	70.0 UD(A)	70.0		10.0 UD(A)	
	25% 50%	90.2	90.2		).2	90.2	
	75%	90.2	90.2		1.0	90.2	
	100%	91.0	91.0		1.0	91.0	
	25%	31.0	31.0	9		31.0	
Power Factor	50%	0.79	0.83	^	81	0.79	
	75%	0.79	0.88	-	87	0.79	
	100%	0.89	0.88		90	0.89	
	10070				30	0.03	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6309 C3 620 : Oil Seal Lip	09 C3 Max. tra o Seal Max. coi 447 h	Foundation loads Max. traction : 98 kgf Max. compression : 261 kgf			
Lubrication interv			9 g EM				
Lubrication interv Lubricant amour	nt	: 13 g : Mobil Polyrex E					
Lubrication inter Lubricant amoun Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	t 50.6A SF 1. 50.6A SF 1. aces and car ed. notor from the 1m and with t weight subject ocess.	: 13 g : Mobil Polyrex E 10 SFA 55.6A ncel the previous one, wi	EM hich These a	re average values upply, subject to th		ts with sinusoidal stipulated in NEMA	
Lubrication inter Lubricant amoun Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	t 50.6A SF 1. 50.6A SF 1. aces and car ed. notor from the 1m and with t weight subject ocess.	: 13 g : Mobil Polyrex E 10 SFA 55.6A ncel the previous one, while shaft end. colerance of +3dB(A).	EM hich These a power su MG-1.			stipulated in NEMA	
Lubrication inter Lubricant amoun Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pri (4) At 100% of ful	t 50.6A SF 1. 50.6A SF 1. aces and car ed. notor from the 1m and with t weight subject ocess.	13 g     Mobil Polyrex E     Mobil Polyrex E     10 SFA 55.6A     ncel the previous one, wl e shaft end.     colerance of +3dB(A).     ct to changes after	EM hich These a power su MG-1.	upply, subject to th	e tolerances :	stipulated in NEMA	
Lubrication inter- Lubricant amour Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	t 50.6A SF 1. 50.6A SF 1. aces and car ed. notor from the 1m and with t weight subject ocess.	13 g     Mobil Polyrex E     Mobil Polyrex E     10 SFA 55.6A     ncel the previous one, wl e shaft end.     colerance of +3dB(A).     ct to changes after	EM hich These a power su MG-1.	upply, subject to th	e tolerances :	stipulated in NEMA	

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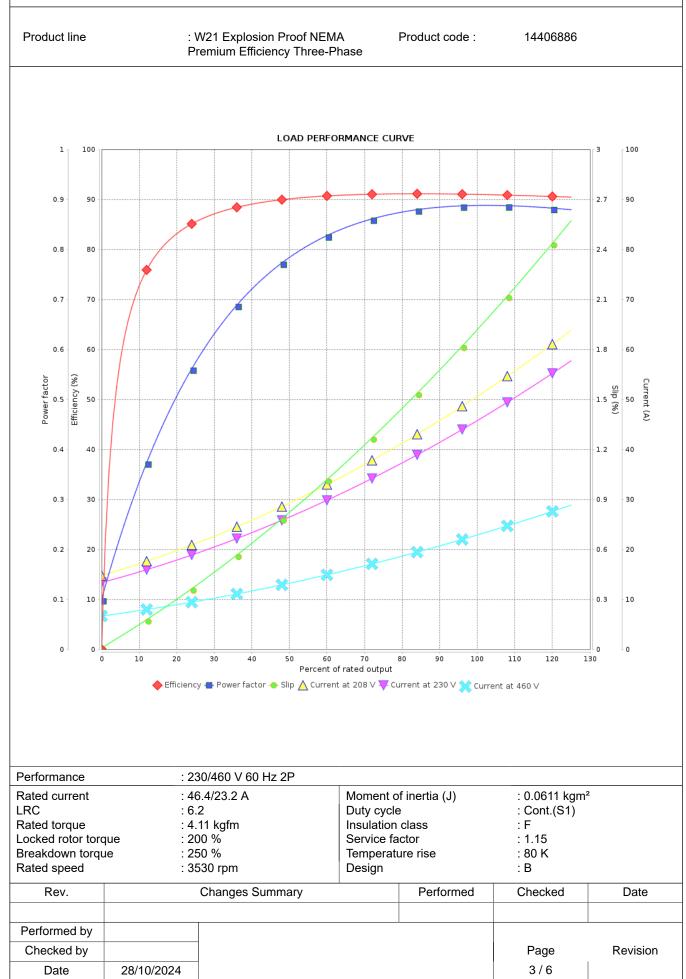
ID	Application	Application Type Quantity			
1	Winding	Thermostat - 2 wires	1 x Phase		<b>Temperature</b> 55 °C
Rev.	Chang	jes Summary	Performed	Checked	Date
Performed by Checked by				Page	Revision



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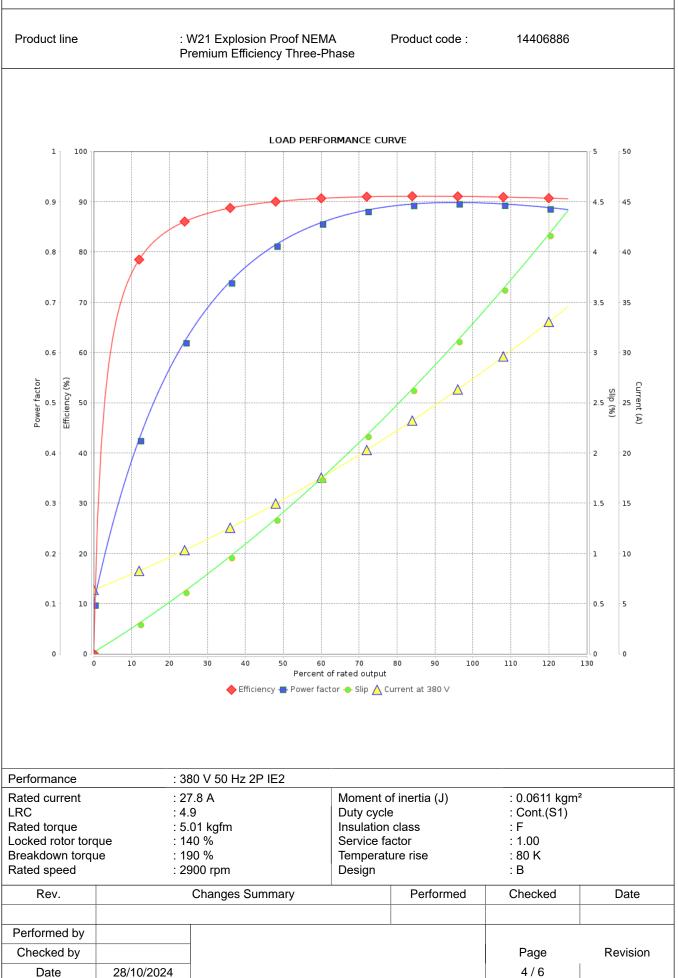
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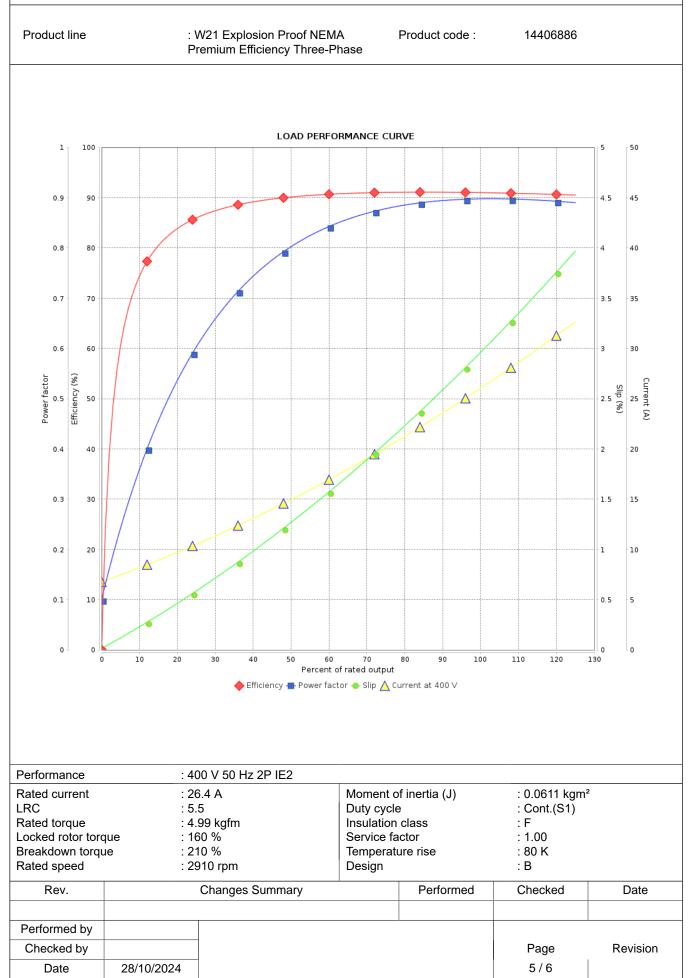


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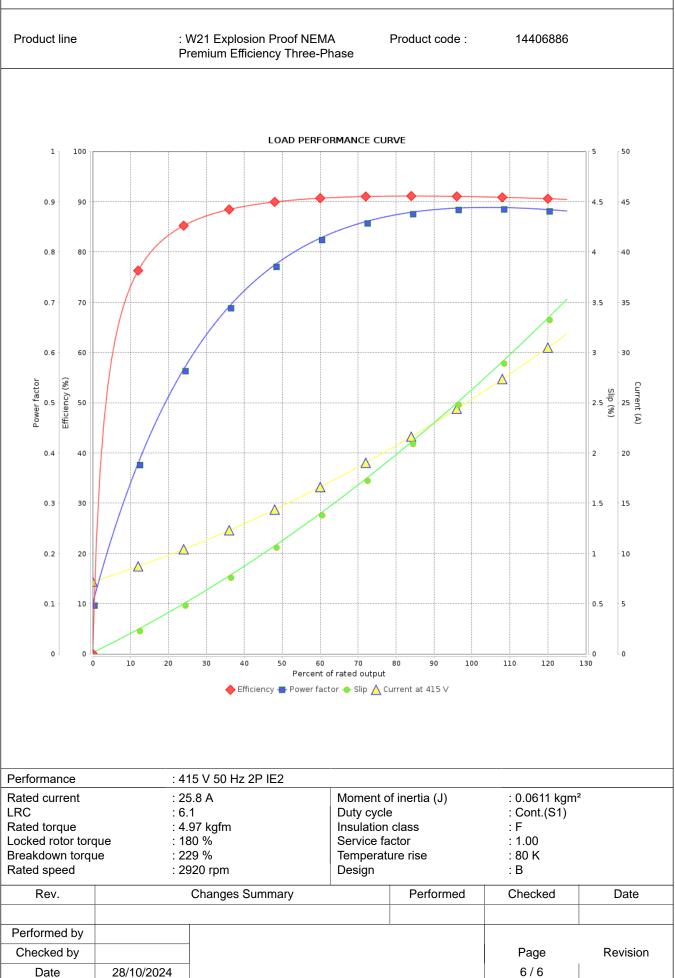
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