DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

		Premium Efficiency TI		duct code :	11439868		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 404/5T : 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 ir		: F-1 : Both (CW and CCW) od : Direct On Line ht ³ : 561 kg		
Output [HP]		100	75	75	75		
Poles		4	4	4	4		
Frequency [Hz]		60	50	50	50		
Rated voltage [V]		230/460	380	400	415		
Rated current [A]		226/113	103	100	98.7		
L. R. Amperes [A]		1627/814	773	840	898		
LRC [A]		7.2x(Code H)	7.5x(Code H)	8.4x(Code J)	,		
No load current [A]		78.0/39.0	39.0	42.0	45.0		
Rated speed [RPM]		1780	1480	1485	1485		
Slip [%]		1.11	1.33	1.00	1.00		
Rated torque [kgfm]		40.8	36.8	36.7	36.7		
Locked rotor torque [%]		270	270	300	320		
Breakdown torque [%]		280	310	360	370		
Service factor		1.15	1.00	1.00	1.00		
Temperature rise		80 K	80 K	80 K	80 K		
_ocked rotor time		23s (cold) 13s (hot)	21s (cold) 12s (hot)				
Noise level ²	050/	75.0 dB(A)	70.0 dB(A)	70.0 dB(A)	70.0 dB(A)		
	25%	94.0	93.9	93.4	93.4		
Efficiency (%)	50%	94.5	94.0	93.6	93.6		
	75%	95.0	94.5	94.5	94.5		
	100% 25%	95.4 0.47	94.5 0.44	94.5 0.41	94.5 0.38		
Power Factor	50%	0.47	0.44	0.41	0.38		
	75%	0.72	0.89	0.65	0.62		
	100%	0.82	0.80	0.84	0.82		
Bearing type Sealing Lubrication interval Lubricant amount		Drive end Non dr : 6217 C3 63 : Oil Seal Lip	ive end Foundation 14 C3 Max. traction	Foundation loads Max. traction : 1057 kgf Max. compression : 1611 kgf			
Lubrication interv Lubricant amour		: 21 g 2	27 g				
Lubrication interv	nt	: 21 g 2 : Mobil Polyrex E					
Lubrication intern Lubricant amoun Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate M manufacturing pro (4) At 100% of ful	250A SF 1.0 250A SF 1.0 aces and can ed. notor from the 1m and with t weight subject ocess.	21 g 2 Mobil Polyrex E 0 SFA 250A cel the previous one, wl shaft end. blerance of +3dB(A). t to changes after	nich These are a power suppl MG-1.	y, subject to the toler	l on tests with sinusoidal ances stipulated in NEMA		
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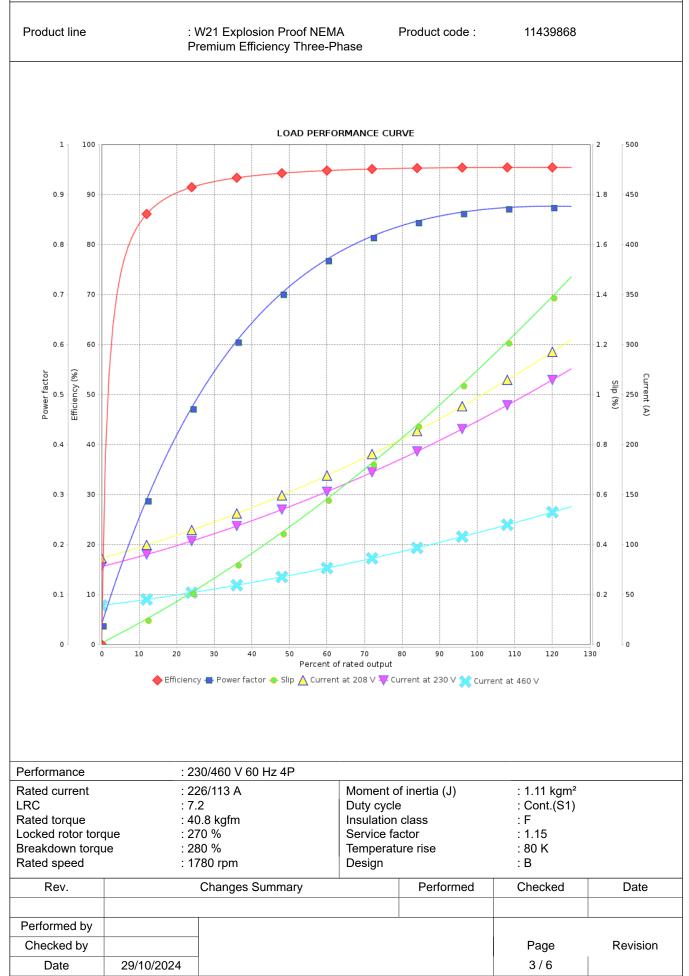
_	A	Thermal protection		. .	-
D	Application	Туре	Quantity		Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
Devi	01	- Summon /	Douto marca a	Cheeler-	Data
Rev.	Change	s Summary	Performed	Checked	Date
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necked by				Page	Revision
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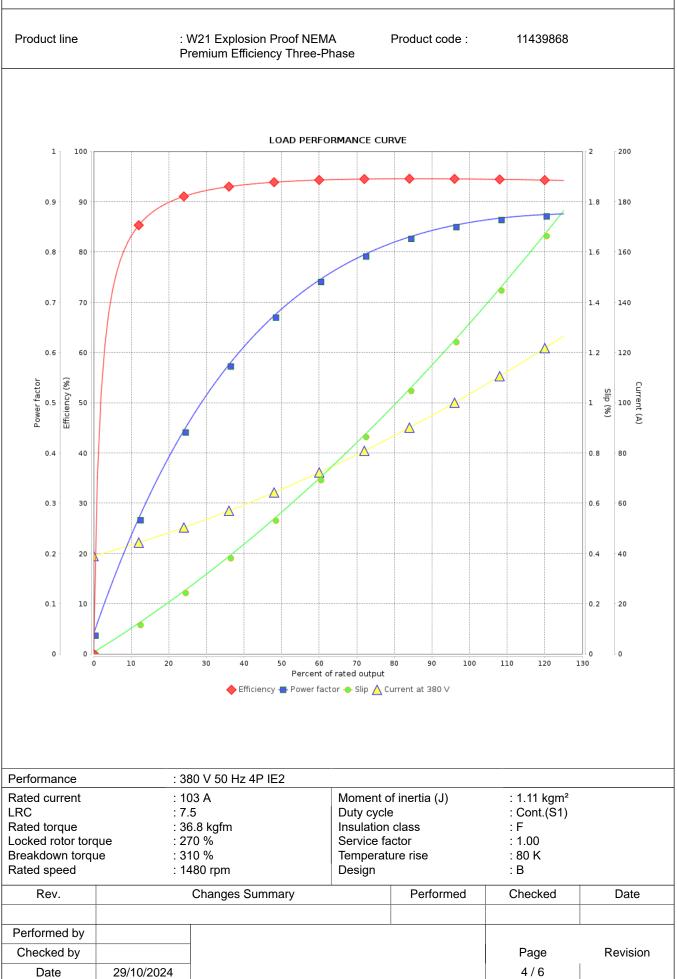
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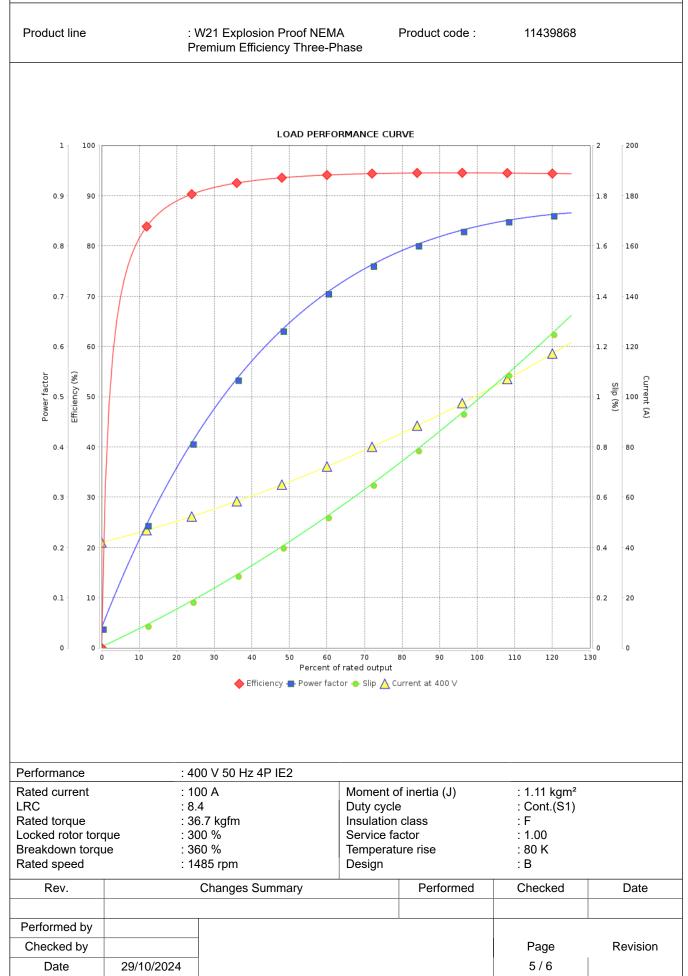


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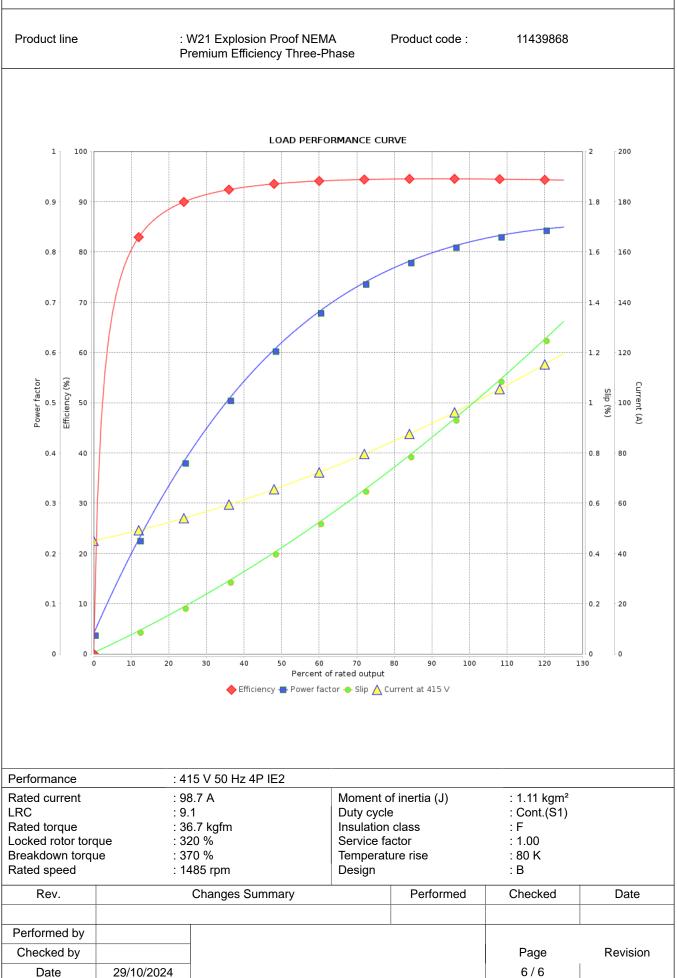
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