# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

		ncy Three-Phase					
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 method1000 m.a.s.l.Approx. weight3IP55Moment of inertia		: F-1 : Both (CW and CCW) d : Direct On Line t <sup>3</sup> : 554 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	400 415		
Rated current [A]		226/113	103	100			
L. R. Amperes [A]		1627/814	773	840		898	
LRC [A]		7.2x(Code H)	7.5x(Code H)	8.4x(Code	e J) 9	0.1x(Code K)	
No load current [A]		78.0/39.0	39.0	42.0		45.0	
Rated speed [RPN	И]	1780	1480	1485		1485	
Slip [%]		1.11	1.33	1.00		1.00	
Rated torque [kgfr		40.8	36.8	36.7		36.7	
ocked rotor torqu		270	270	300		320	
Breakdown torque	e [ <mark>%]</mark>	280	310	360		370	
Service factor		1.15	1.00	1.00		1.00	
Temperature rise		80 K	80 K	80 K		80 K	
Locked rotor time		23s (cold) 13s (hot)	21s (cold) 12s (hot)			(cold) 12s (hot)	
Noise level <sup>2</sup>		75.0 dB(A)	70.0 dB(A)	70.0 dB(	4)	70.0 dB(A)	
	25%	94.0	93.9	93.4		93.4	
Efficiency (%)	50%	94.5	94.0	93.6		93.6	
Enciency (70)	75%	95.0	94.5	94.5		94.5	
	100%	95.4	94.5	94.5		94.5	
Power Factor	25%	0.47	0.44	0.41		0.38	
	50%	0.72	0.69	0.65		0.62	
	75%	0.82	0.80	0.77		0.75	
	100%	0.87	0.86	0.84		0.82	
Bearing type Sealing Lubrication interval Lubricant amount		: 6217 C3 63	14 C3 Max. tractior	Foundation loadsMax. traction: 1057 kgfMax. compression: 1611 kgf			
Sealing Lubrication interv		: 9149 h 97	789 h 27 g				
Sealing Lubrication interv Lubricant amoun	ıt	: 9149 h 97 : 21 g 2 : Mobil Polyrex E	789 h 27 g				
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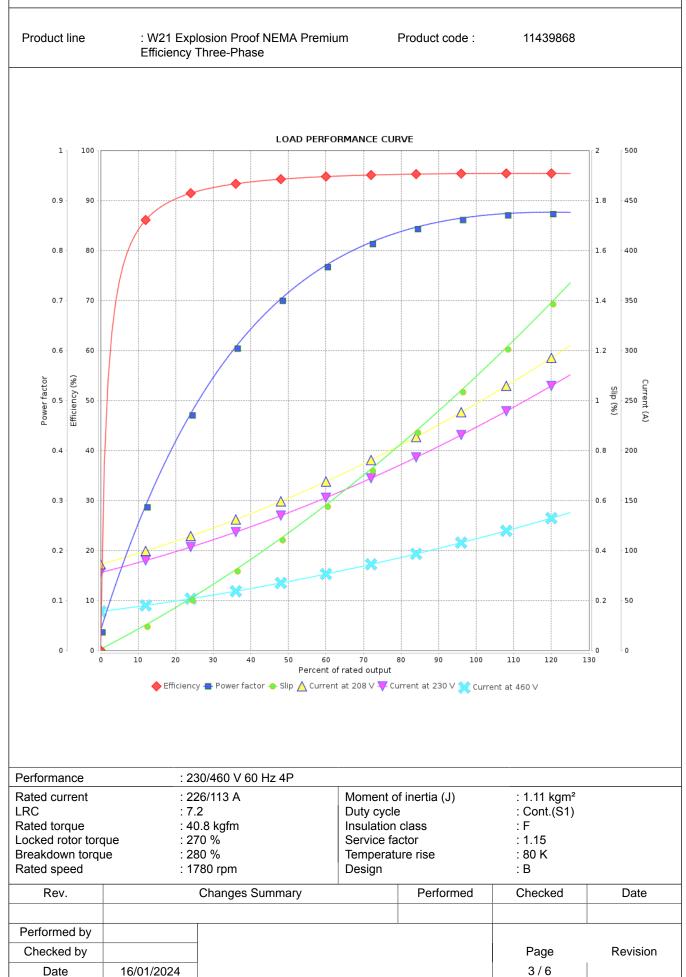
ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
	<b>.</b>				
Rev.	Changes	Summary	Performed	Checked	Date
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hecked by Date	16/01/2024			2/6	Revision



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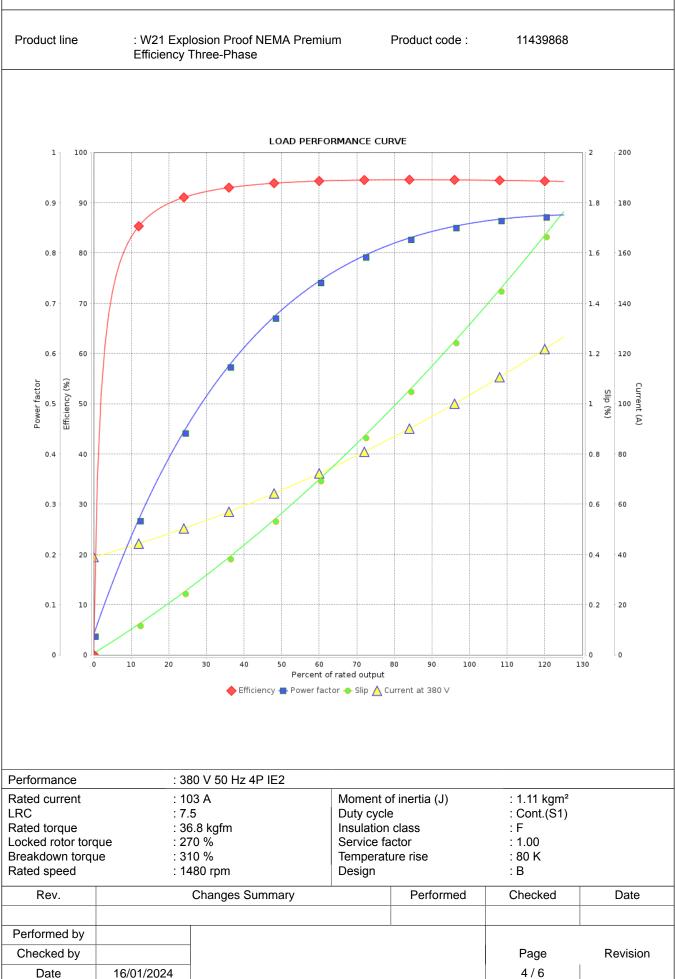
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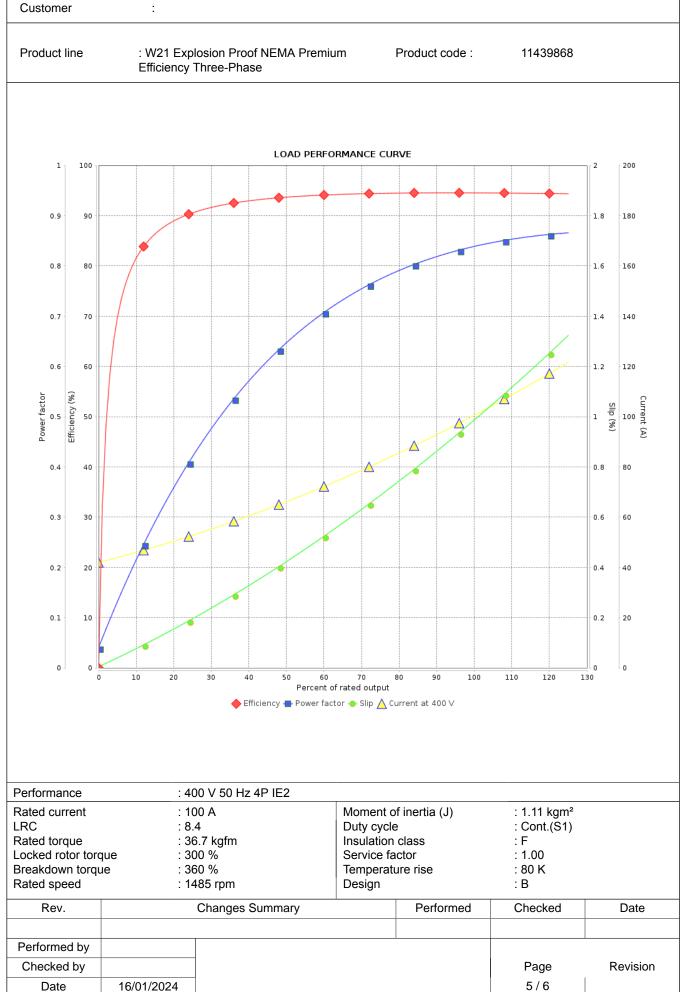
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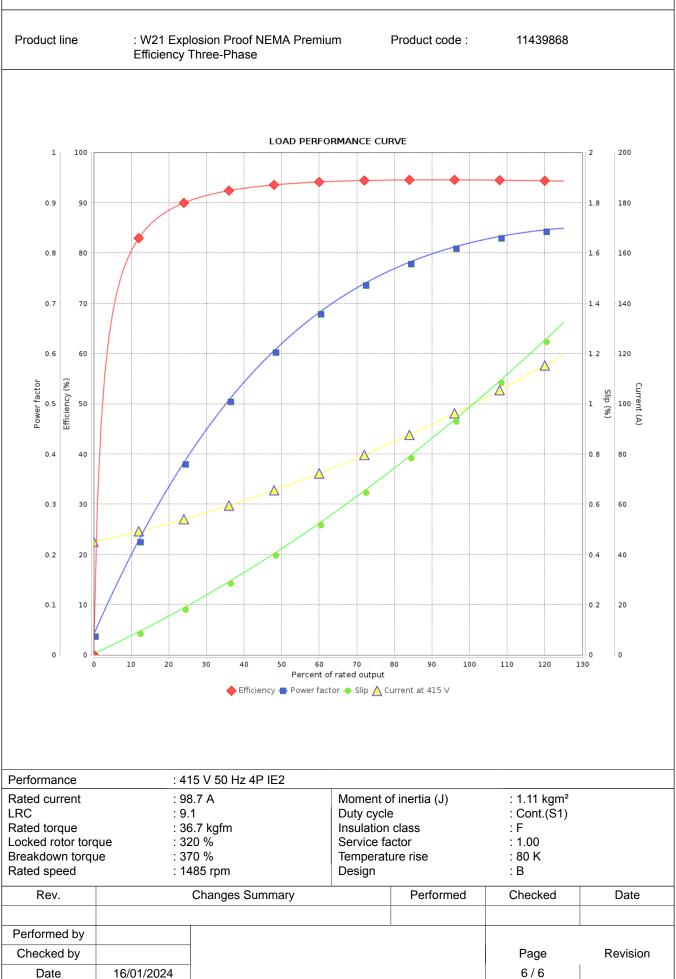
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