DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		Explosion Proof NEMA I ncy Three-Phase	Premium	Pr	oduct code :	1148309	98		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 364/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : A		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 : 479 kg : 0.9798 kgm²			
Output [HP]		75	<u> </u>	60	6	0	60		
Poles		4	4		4		4		
Frequency [Hz]		60		50	5		50		
Rated voltage [V]		230/460		380	40		415		
Rated current [A]		166/83.2		83.2	79		78.5		
L. R. Amperes [A]		1281/641		599	62		667		
LRC [A]		7.7x(Code H)	7.2x(Code H)		7.8x(C		8.5x(Code J)		
No load current [A]		56.0/28.0	30.0		30		32.0		
Rated speed [RPM]		1782		1480		80	1483		
Slip [%]		1.00		1.33		33	1.13		
Rated torque [kgfr	nl	30.5		29.4		.4	29.4		
Locked rotor torque [%]		240		29.4		50	270		
Breakdown torque		290	280		31		340		
Service factor		1.15		1.00		00	1.00		
Temperature rise		80 K		80 K		K	80 K		
Locked rotor time		28s (cold) 16s (hot)	275 (0	27s (cold) 15s (hot)			27s (cold) 15s (hot)		
Noise level ²		75.0 dB(A)).0 dB(A)	70.0 0		70.0 dB(A)		
	25%								
	50%	94.5		94.1	94	.1	93.6		
Efficiency (%)	75%	95.0		94.5	94		94.5		
	100%	95.4		94.5	94		95.0		
	25%								
Power Factor	50%	0.74		0.74	0.7	70	0.67		
	75%	0.83		0.83	0.8		0.79		
	100%	0.87		0.87	0.8		0.84		
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6314 C3 63 : Oil Seal Lip : 9789 h 97	Drive end Non drive end 6314 C3 6314 C3 Oil Seal Lip Seal 9789 h 9789 h 27 g 27 g						
Notes USABLE @208V									
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. otor from the m and with t veight subjec ocess.	tolerance of +3dB(A). It to changes after			bly, subject to th	e tolerances s	ts with sinusoidal stipulated in NEMA		
Rev.		Changes Summary	,		Performed	Checked	Date		
Performed by									
Checked by						Page	Revision		
Date	16/01/202	1				1/6			
			<u> </u>						

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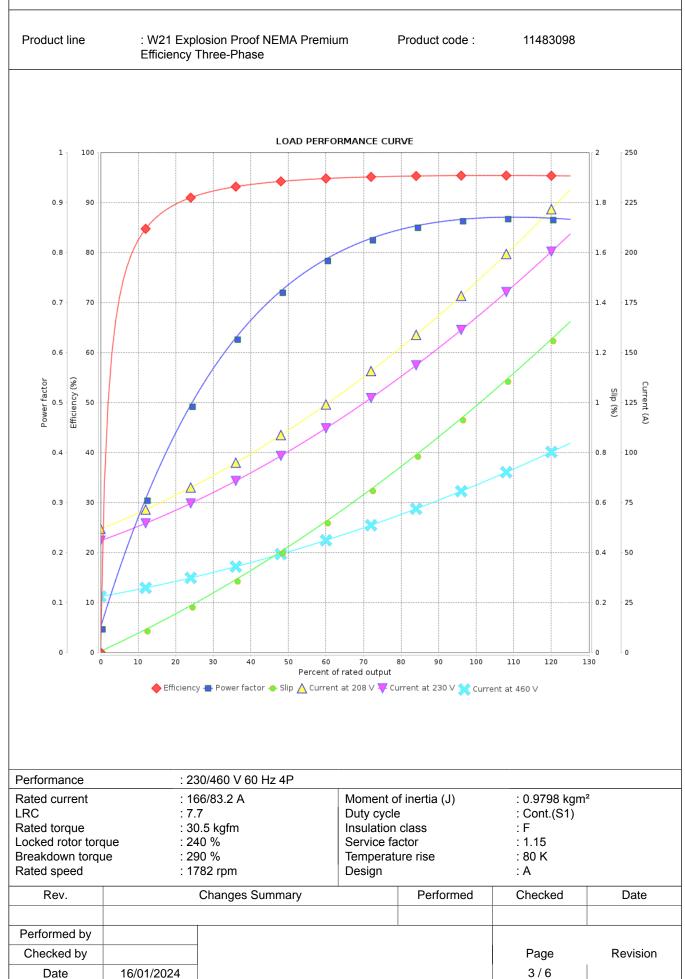
ID	Application	Туре	Quantity	Sensing Tempera	
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
	.				
Rev.	Changes	Summary	Performed	Checked	Date
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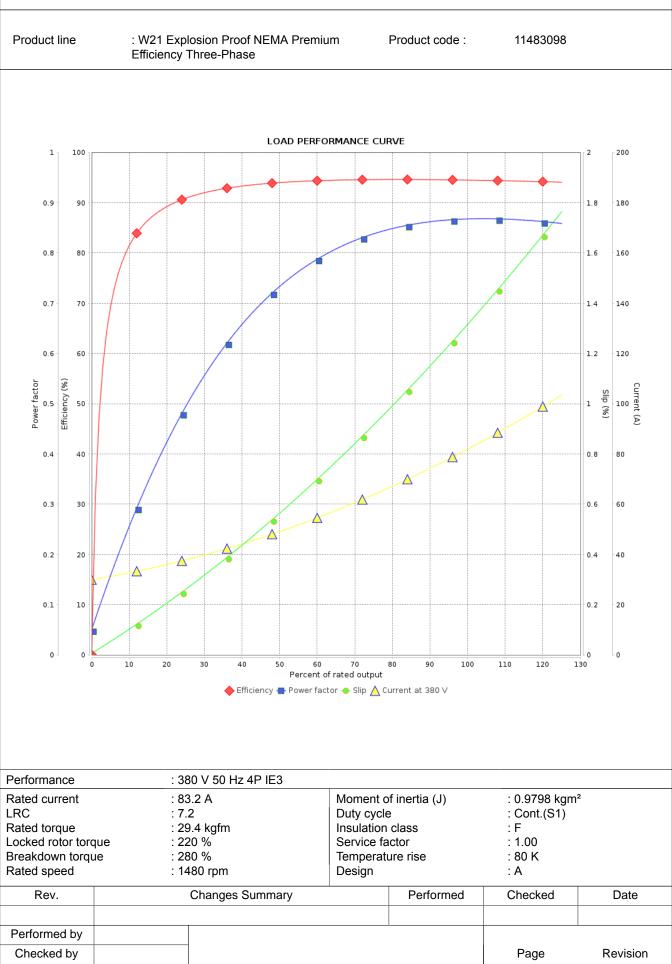
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Customer

Date

16/01/2024



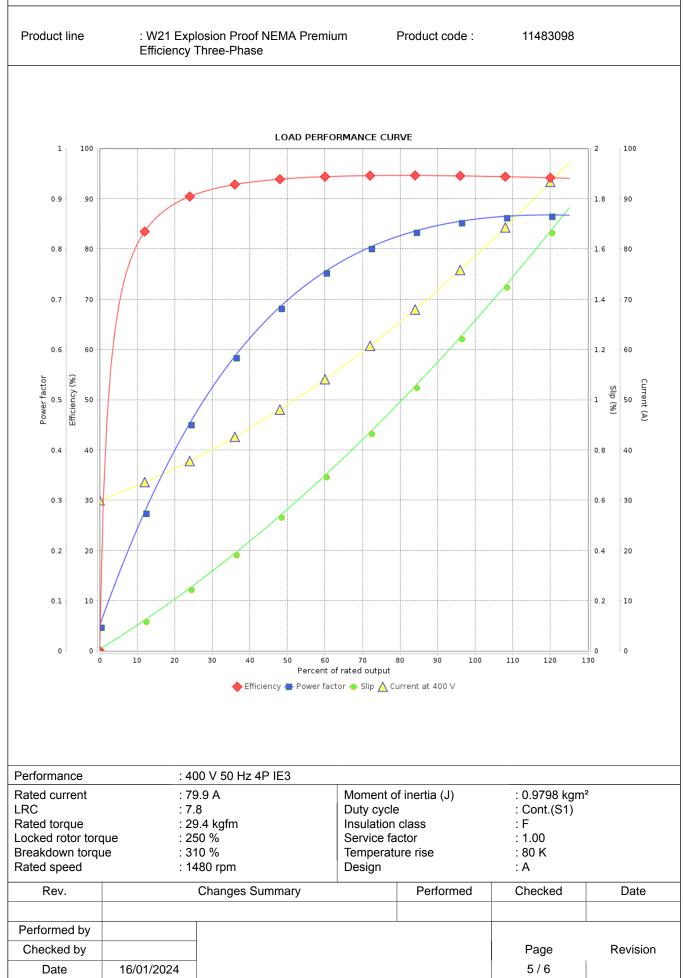
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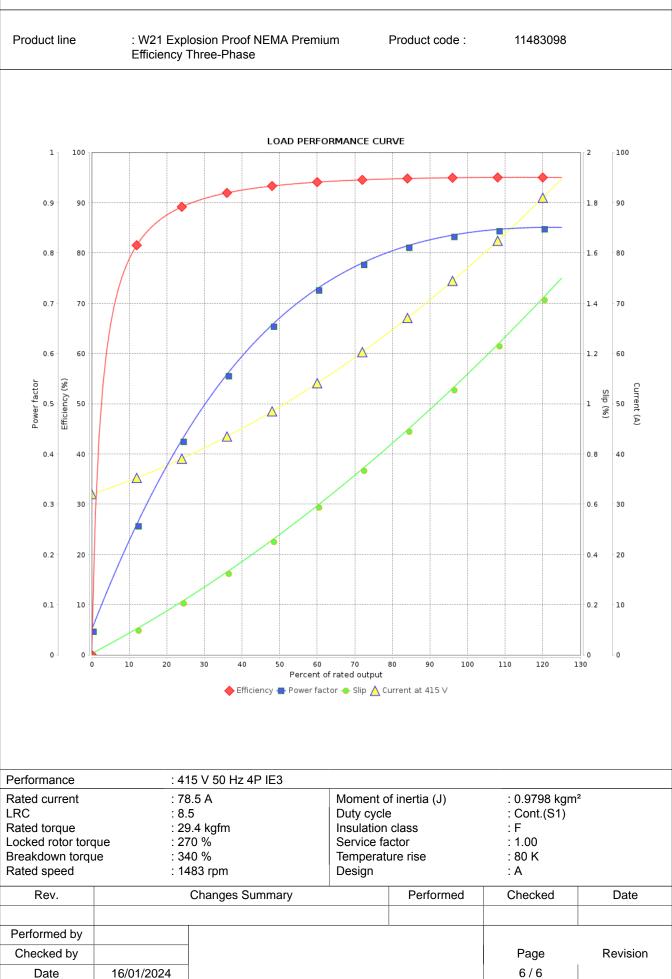
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