DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		Explosion Proof NE ncy Three-Phase	MA Premiun	n Pro	oduct code :	1668180	03		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 326T : 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 : 293 kg : 0.5255 kgm²			
Output [HP]		30		30	3	-	30		
Poles		6		6 50		3	6		
Frequency [Hz] Rated voltage [V]		60 230/460		380	5		50 415		
Rated current [A]		73.4/36.7		43.7	40		415		
L. R. Amperes [A]		521/261		249	26		274		
LRC [A]		7.1x(Code H)	57	7x(Code F)	6.3x(C		6.7x(Code H)		
No load current [A]		34.0/17.0	5.7	17.3	18		19.7		
Rated speed [RPM]		1180		975	97		980		
Slip [%]		1.67		2.50	2.		2.00		
Rated torque [kgfr	nl	18.5		22.3	22		22.2		
ocked rotor torqu		240		180	20		229		
Breakdown torque		270		210		29	250		
Service factor		1.15		1.00	1.0		1.00		
Temperature rise		80 K		80 K	80		80 K		
ocked rotor time		45s (cold) 25s (ho	ot) 45s (c	cold) 25s (hot			45s (cold) 25s (hot		
loise level ²		62.0 dB(A)		8.0 dB(A)	58.0 (58.0 dB(A)		
	25%			<u>\</u>					
	50%	92.4		92.4	92		91.7		
Efficiency (%)	75%	93.0		92.4	92		92.4		
	100%	93.0		91.0	91		92.4		
Power Factor	25%								
	50%	0.63		0.70	0.0	67	0.63		
	75%	0.75		0.80	0.1	77	0.75		
	100%	0.81		0.84	0.8	82	0.81		
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6312 C3 : Oil Seal : 20000 h : 21 g	6312 C3 6212 C3 Oil Seal Lip Seal 20000 h 20000 h		Foundation loads Max. traction : 553 kgf Max. compression : 846 kgf				
must be eliminate	aces and car	ncel the previous one	e, which	power suppl			s with sinusoidal		
	Im and with t weight subjec ocess.	e shaft end. tolerance of +3dB(A) ct to changes after Changes Sumn		MG-1.	Performed	Checked	Date		
Performed by				I			1		
Checked by						Page	Revision		
	00/40/000	2				-			
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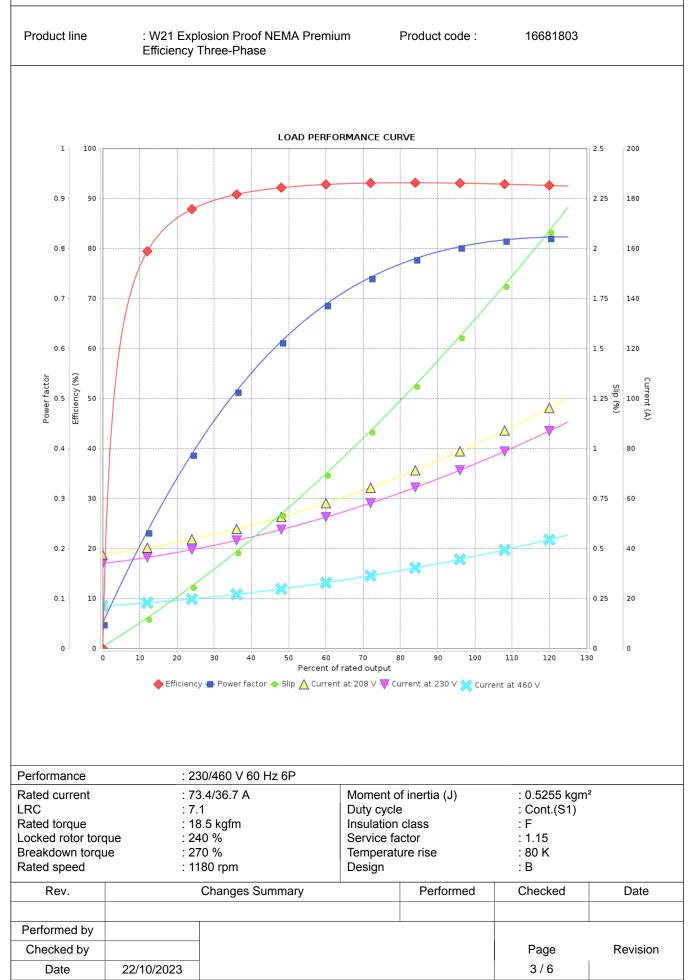
ID	Application	Туре	Quantity	Sensing Temperatu	
1	Winding	Thermostat - 2 wires	1 x Phase	1:	55 °C
Rev.	Change	s Summary	Performed	Checked	Date
rformed by necked by				Page	Revision
Date	22/10/2023			2/6	1001001



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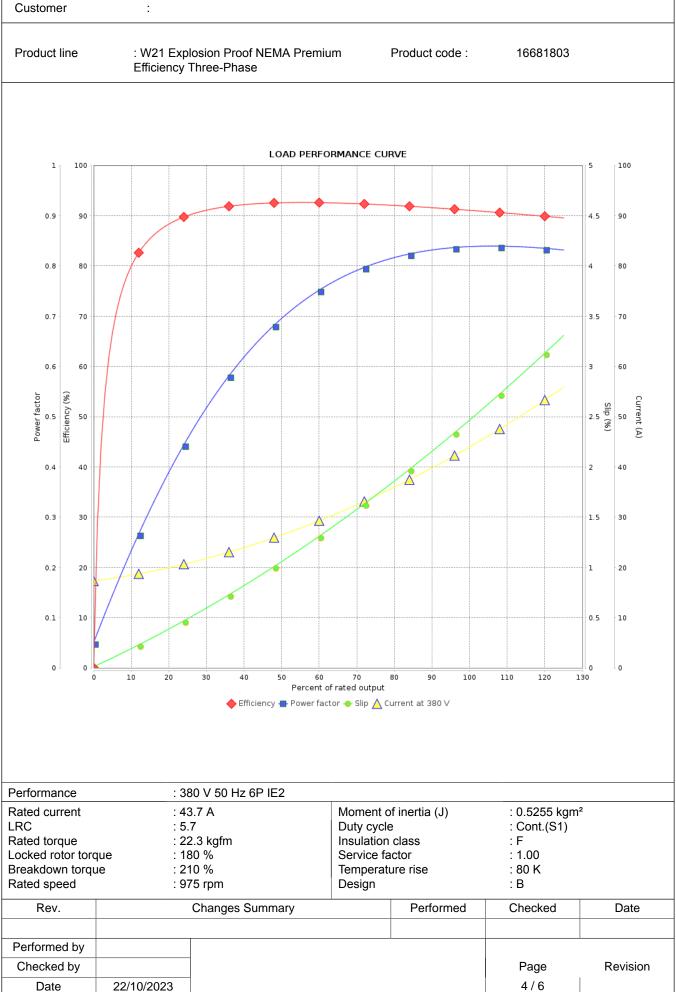
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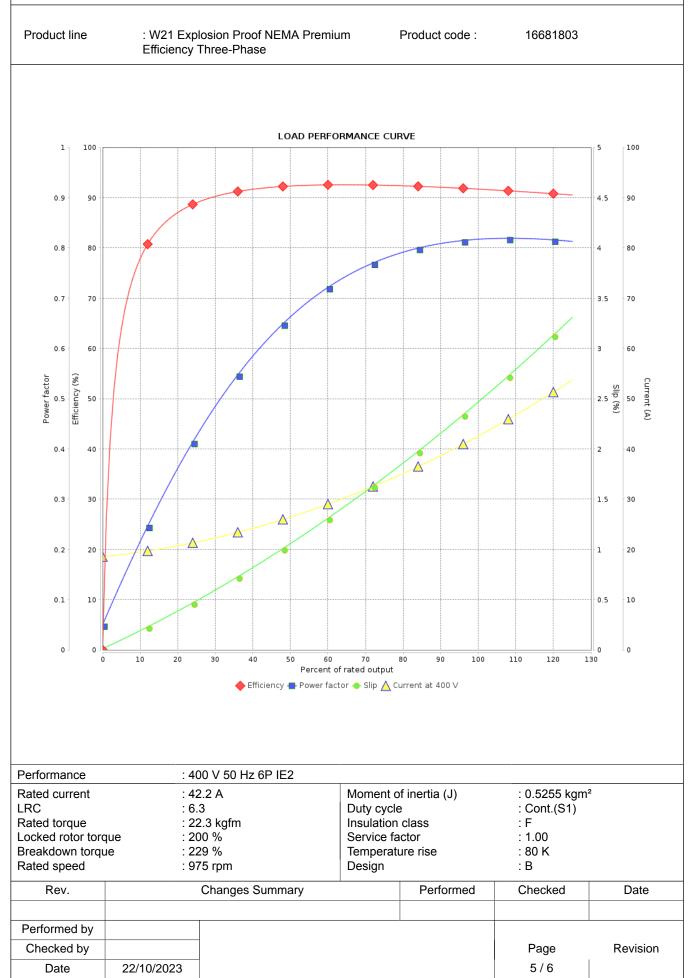


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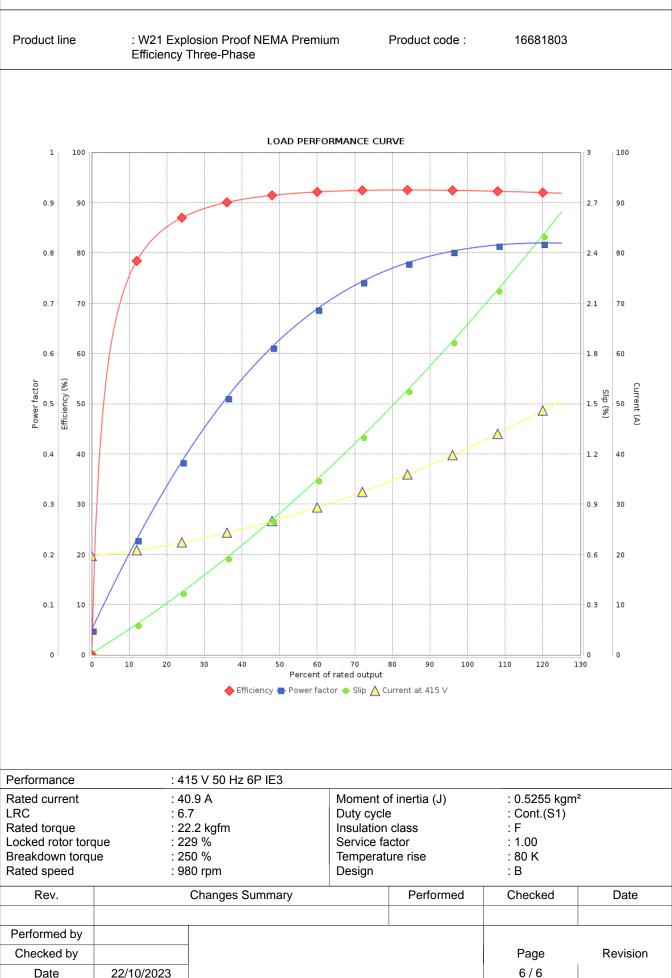
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22/10/2023



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