DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line		: W40 NEMA Premium Efficiency Product code : 14427833 Three-Phase						
Frame		: 444/5TC		Cooling me	ethod	: IC01 -	: IC01 - ODP	
Insulation class		: F		Mounting		: F-1	001	
Duty cycle		: Cont.(S1)		Rotation ¹ : Both (CW and CCW)				
Ambient temperature		: -20°C to +40°C		Starting method : Direct On Line				
Altitude		: 1000 m.a.s.l.		Approx. weight ³ : 688 kg				
Protection degree		: IP23		Moment of inertia (J) : 2.14 kgm ²				
Design	•	: B					9	
Output [HP]		250			20		200	
		4	4			-	4	
Frequency [Hz]			60 <u>50</u>		5		50	
Rated voltage [V]		460			40		415	
Rated current [A]		289	283		27		269	
L. R. Amperes [A]			1850 195		19		1991	
LRC [A]		6.4x(Code G)			7.3x(C	,	7.4x(Code J)	
No load current [A]		106			11		125	
Rated speed [RPM]		1780	1480		14		1485	
Slip [%]		1.11	1.33		1.3		1.00	
Rated torque [kgfm]		102	98.1		98	5.1	97.7	
Locked rotor torque [%]		210	200		22	29	250	
Breakdown torque [%]		240	220		24		270	
Service factor		1.15			1.0		1.00	
Temperature rise			80 K 80 K		80		80 K	
Locked rotor time		16s (cold) 9s (hot)					14s (cold) 8s (hot	
loise level ²		78.0 dB(A)	ידס (ו					
	25%							
Efficiency (%)	50%	95.4		95.5	95	3	94.9	
	50% 75%	95.4			95			
			95.6				95.4	
	100%	95.8		95.8	95	0.ð	95.8	
Power Factor	25%	. = .		0.70				
	50%	0.72		0.72	0.0		0.64	
	75%	0.80		0.81	0.		0.75	
	100%	0.84	<u> </u>	0.84	0.8	83	0.81	
		Drive end Non dr	ive end	Foundation	loads			
Bearing type		: 6319 C3 621				: 1964 kg	af	
Sealing		: Without Wi	thout	Max. compression : 2652 kgf				
		Bearing Seal Beari	ng Seal				5.	
Lubrication interval			000 h					
Lubricant amount			3 g					
Lubricant type		: Mobil Polyrex E						
Notes								
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA				
(2) Measured at 1	Im and with to weight subjec ocess.	shaft end. blerance of +3dB(A). t to changes after		MG-1.				
Rev.	Changes Summa		I		Performed	Checked	Date	
Performed by								
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Checked by						Page	Revision	
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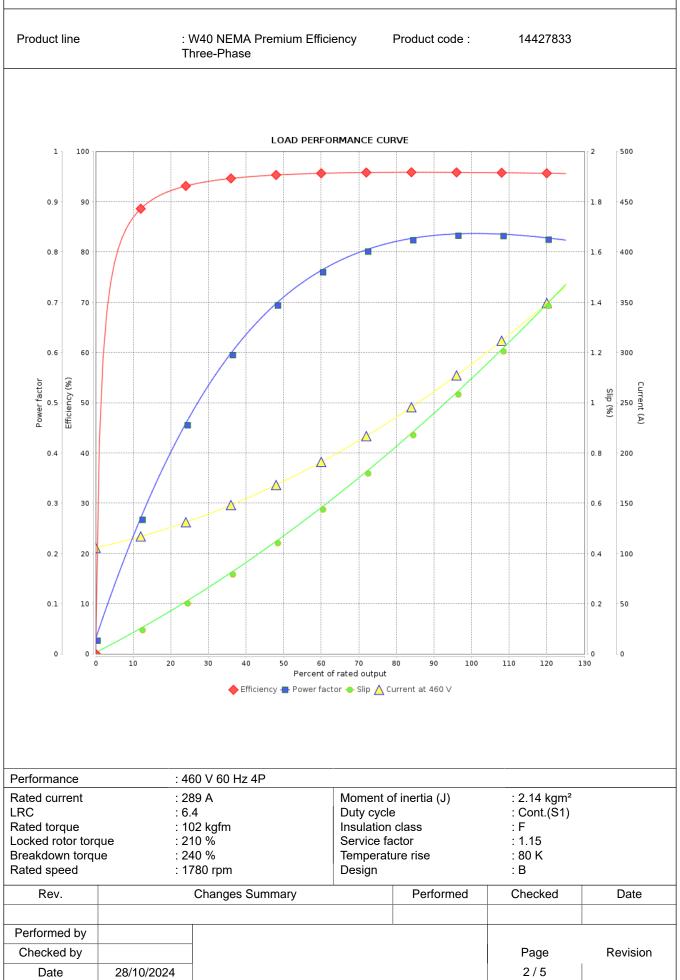
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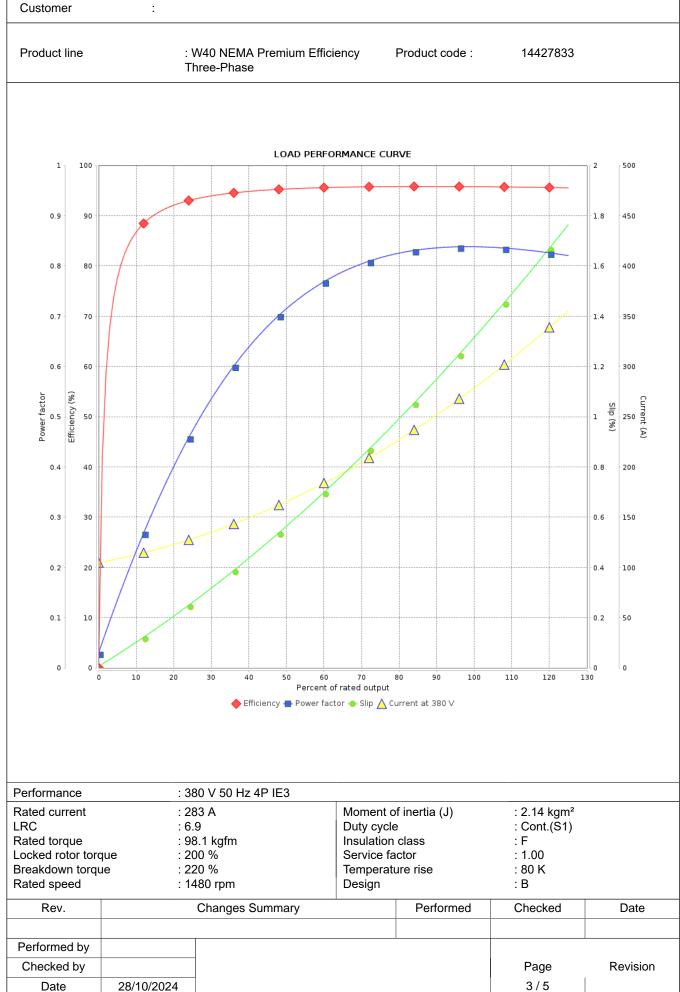
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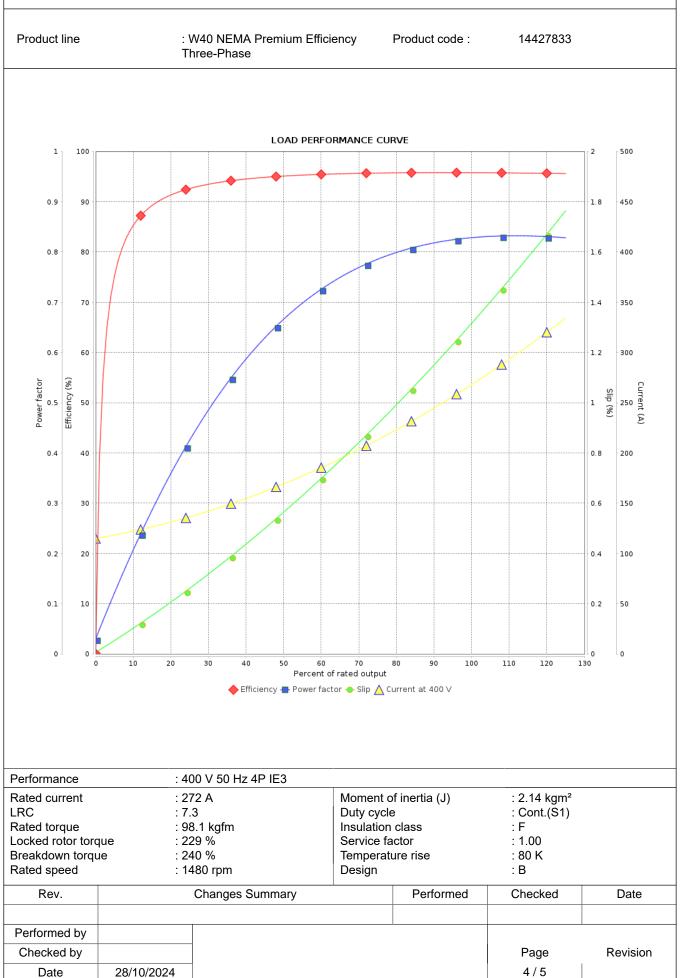
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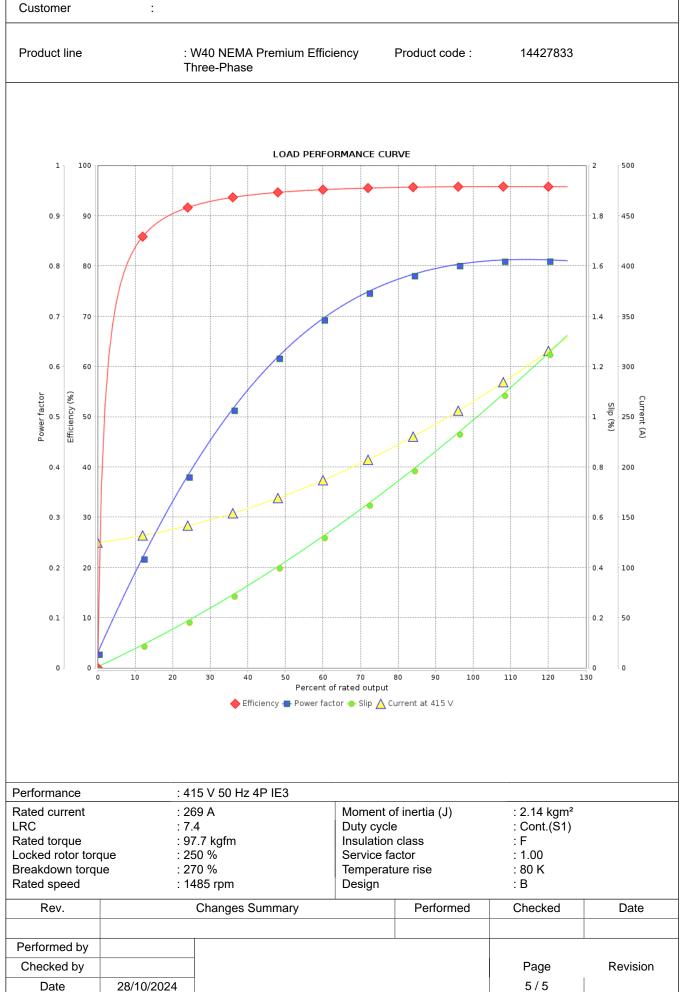
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