DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: W22 IEEE 841 NEMA Premi Efficiency Three-Phase			um Product code :				12376409			
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 213/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP56 : 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 : 76.8 kg : 0.0504 kgm ²			
Output [HP]			3		3			3			3
Poles		6		6			6			6	
Frequency [Hz]		60		50			50			50	
Rated voltage [V]		460		380			400			415	
Rated current [A]		4.41		5.09			4.92			4.87	
L. R. Amperes [A]		30.9		29.5			31.5			33.1	
LRC [A]		7.0x(Code K)		5.8x(Code H))	6.4x(Code J)		J)	6.8x(Code J)	
No load current [A]		2.75		2.72			2.91			3.05	
Rated speed [RPM]		1175		965			970			970	
Slip [%]		2.08		3.50			3.00			3.00	
Rated torque [kgfm]		1.85		2.26			2.24			2.24	
ocked rotor torqu		200		170			200			220	
Breakdown torque [%]		280		210			240			270	
Service factor		1.25		1.00			1.00			1.00	
Temperature rise		80 K		70 /	80 K		80 K		(h = 1)	80 K	
Locked rotor time		104s (cold) 58s (hot) 55.0 dB(A)			72s (cold) 40s (hot)		72s (cold) 40s (hot)			72s (cold) 40s (hot)	
Noise level ²	050/	55.0	ив(А)	5	3.0 dB(A)		53	8.0 dB(A)	5	3.0 dB(A)
	25% 50%	6	86.5		07 E		00.5			06 F	
Efficiency (%)	50% 75%	86.5 88.5		87.5 88.5			86.5 88.5			86.5 88.5	
	100%	88.5 89.5			88.5		88.5			88.5 88.5	
Power Factor	25%	09.0			01.5		00.0				00.0
	50%	0.50		0.57			0.53			0.50	
	75%	0.63		0.70			0.55				0.50
	100%	0.00		0.75			0.73			0.04	
									I		
Losses at normat	· •			1 percer			iput pov		0		14.0
		9;1,0)	11.0 8.5		11.0 8.5		<u> </u>			11.0	
	P2 (0, P3 (0,2	5;1,0)	8.5		7.7		7.7			8.5 7.7	
Losses (%)		25;1,0) 9;0,5)	6.7		6.7						
203363 (70)		9,0,5) 5;0,5)	4.4		4.4		6.7			6.7	
		5;0,25) 5;0,25)	3.4		3.4		3.4			3.4	
	P7 (0,2				2.5			2.5		2.5	
	17(0,2			ivo ord	∠ Foundati			2.5			2.0
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		Drive end Non drive 6308 C3 6207 C Inpro/Seal Inpro/Seal 20000 h 20000 11 g 7 g Mobil Polyrex EM			7 C3 Max. traction /Seal Max. compression 00 h g				: 73 kgf : 150 kgf		
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro	d. otor from the m and with to veight subjec	shaft end. olerance o	f +3dB(A).	hich							sinusoidal ted in NEMA
Rev.	Changes Summary			Pe		erformed		Checked		Date	
Performed by											
Checked by									Page		Revision
2										1	
Date	22/10/2024	4						1	1/6		

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Notes

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	22/10/2024	-		2/6	

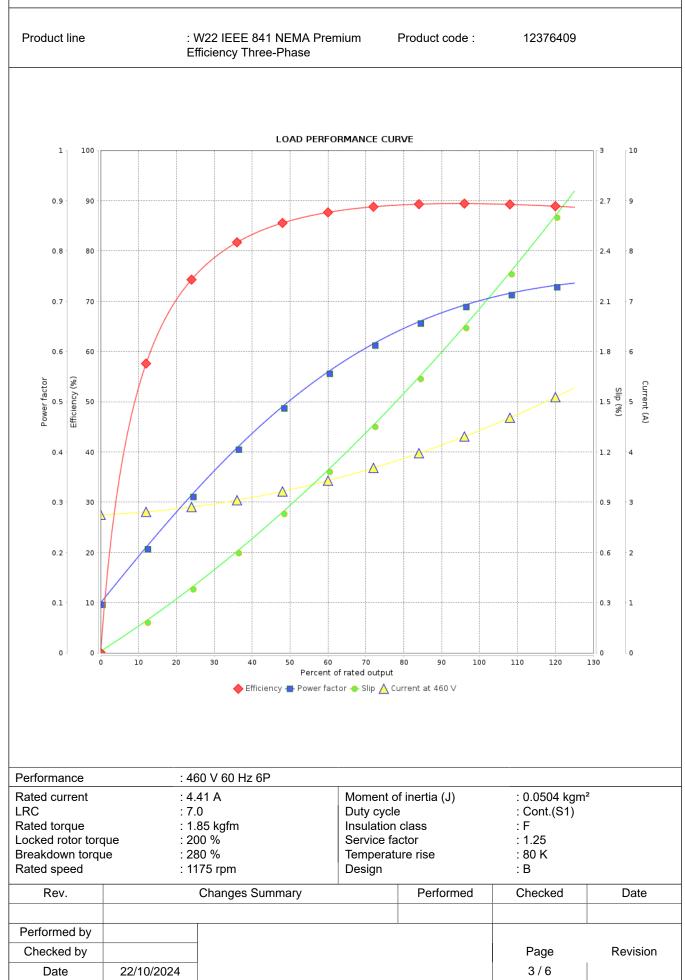
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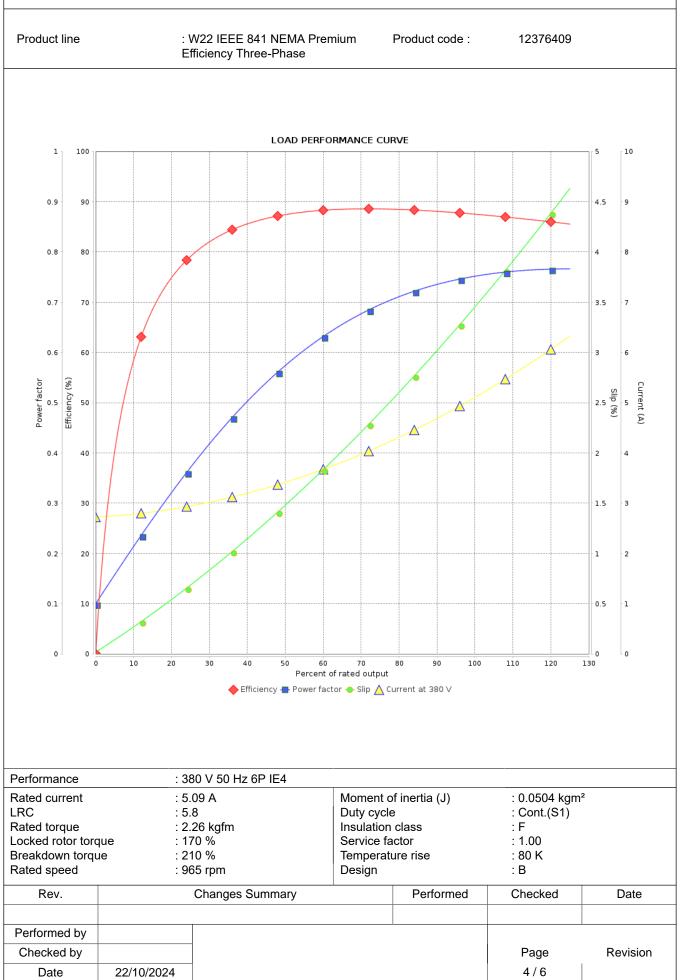
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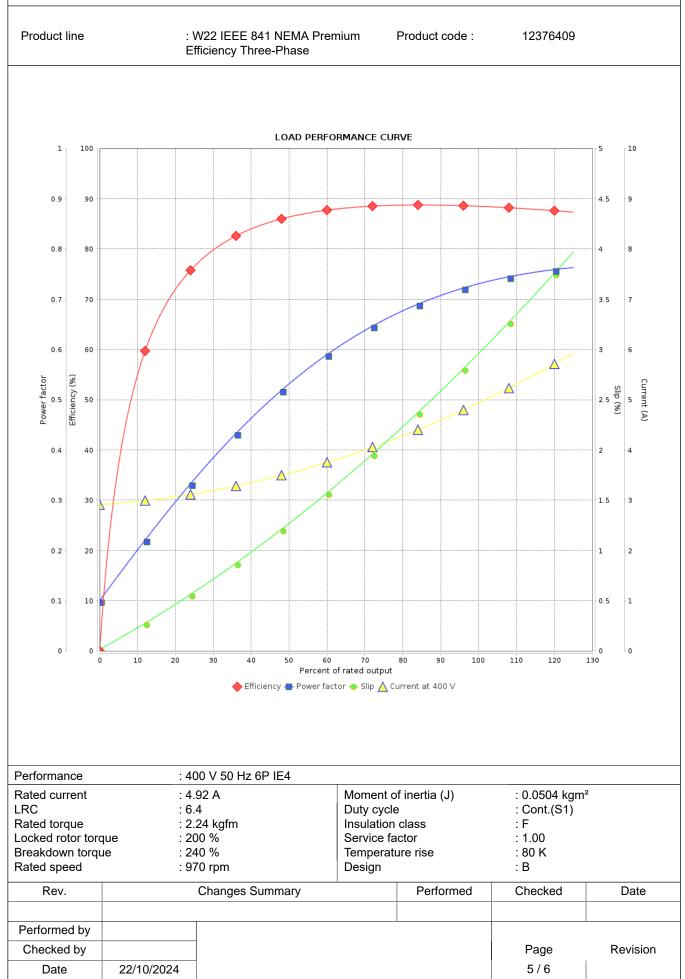


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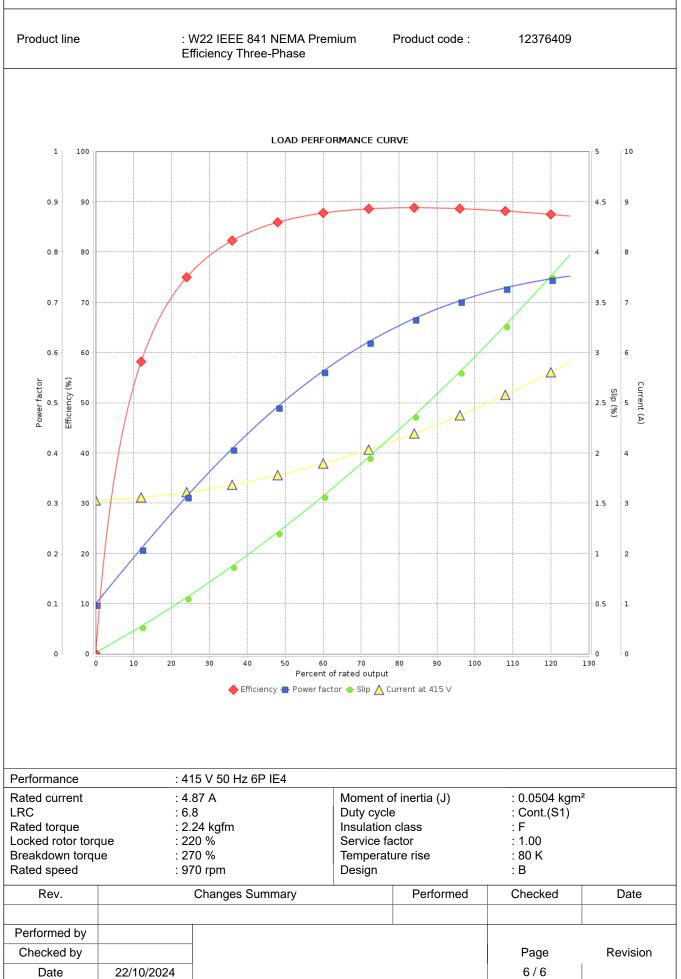
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