DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

	Three-I				· · · · · · · · · · · · · · · · · · ·					
Frame Insulation class		: 213/5TC : F		Cooling method Mounting			: IC411 - TEFC : F-1			
Duty cycle		: Cont.(S1)			Rotation ¹			: Both (CW and CCW)		
Ambient tempera	iture	: -20°C to +40°C			Starting method			: Direct On Line		
Altitude		: 1000 m.a.s.l.		Approx. weight ³			: 77.9 kg			
Protection degree		: IP56			Moment of inertia (J)			: 0.0504 kgm ²		
Design		: B								
Output [HP]		3		3			3		3	
Poles		60		50			50		50	
Frequency [Hz]		460		380			400		415	
Rated voltage [V]		460					400		4.87	
Rated current [A]				5.09 29.5			4.92			
L. R. Amperes [A]		30.9							33.1	
LRC [A]		7.0x(Code K)		5.8x(Code H))	6.4x(Code J)		6.8x(Code J)	
No load current [A]		2.75		2.72			2.91		3.05	
Rated speed [RPM	1J	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			80 K		80 K		80 K	
Locked rotor time		104s (cold) 58s (hot)			72s (cold) 40s (hot)		72s (cold) 40s (hot)			cold) 40s (hot)
Noise level ²) dB(A)	5	3.0 dB(A)		53.0 c		5	53.0 dB(A)
Efficiency (%)	25%	8	35.4		88.0		86.1			86.1
	50%	86.5		87.5			86.5			86.5
	75%	88.5		88.5			88.5			88.5
	100%	89.5			87.5		88.5			88.5
Power Factor	25%	0.28		0.33			0.30			0.28
	50%	0.50		0.57			0.53			0.50
	75%	0.63		0.70			0.66			0.64
100%		0.70			0.75		0.73		0.71	
Losses at normati				n percer			put power			
		P1 (0,9;1,0)		11.0		.0	11.0		11.0	
	P2 (0,	5;1,0)	8.5		8.5		8.5			8.5
	P3 (0,2		7.7 6.7		7.7		7.7		7.7	
Losses (%)		P4 (0,9;0,5)			6.7		6.7		6.7	
	P5 (0,		4.4		4.4		4.4		4.4	
	P6 (0,5		3.4		3.4		3.4		3.4	
	P7 (0,2	5;0,25)			2.5			2.5		2.5
	Drive end Non drive end			Foundation loads						
Bearing type Sealing		6308		07 C3	Seal Max. compression			: 73 kgf		
		: Inpro/		o/Seal				: 151 kgf		
Lubrication interval		: 20000 h 20000 h								
Lubricant amount		: 11 g 7 g								
Lubricant type		: M	obil Polyrex E	M						
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. plerance o	f +3dB(A).	nich						n sinusoidal ated in NEMA
Rev.				jes Summary		Performed		Checked		Date
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Date	22/10/2023						1	1/6		

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Notes

Rev.		Changes Summary	Performed	Checked	Date
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Performed by					
Checked by				Page	Revision
Date	22/10/2023			2/6	

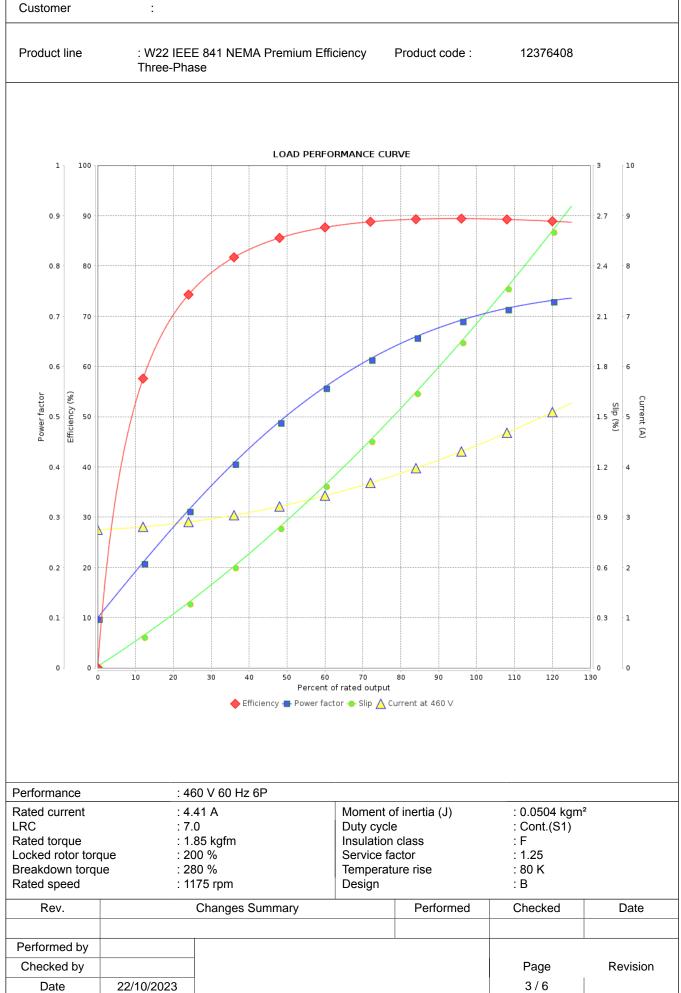
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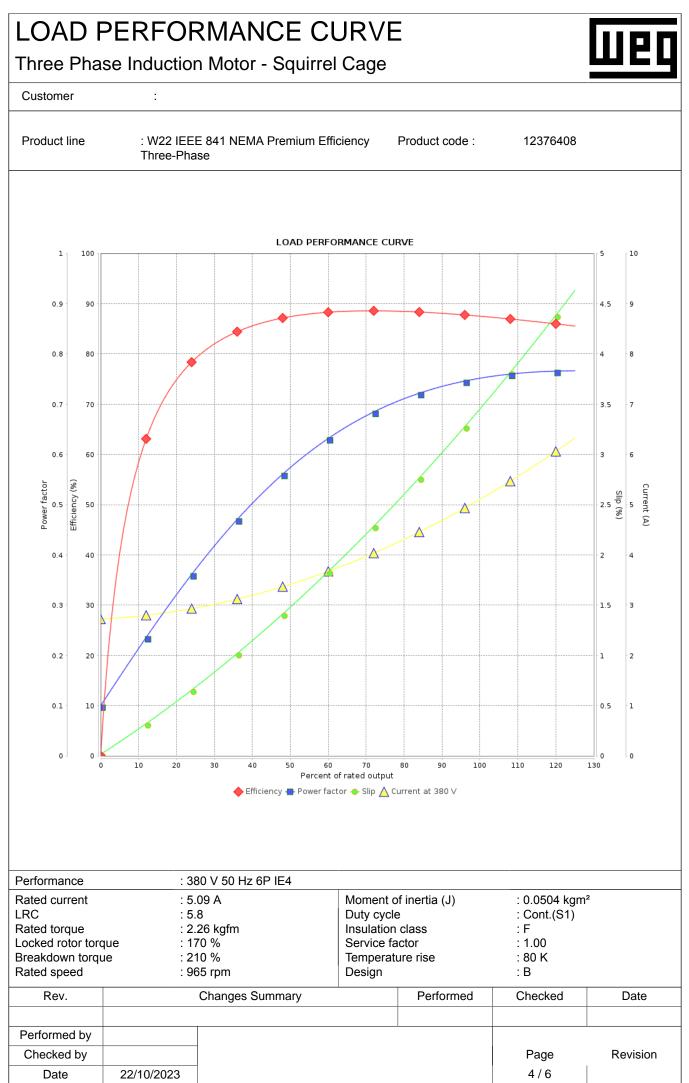
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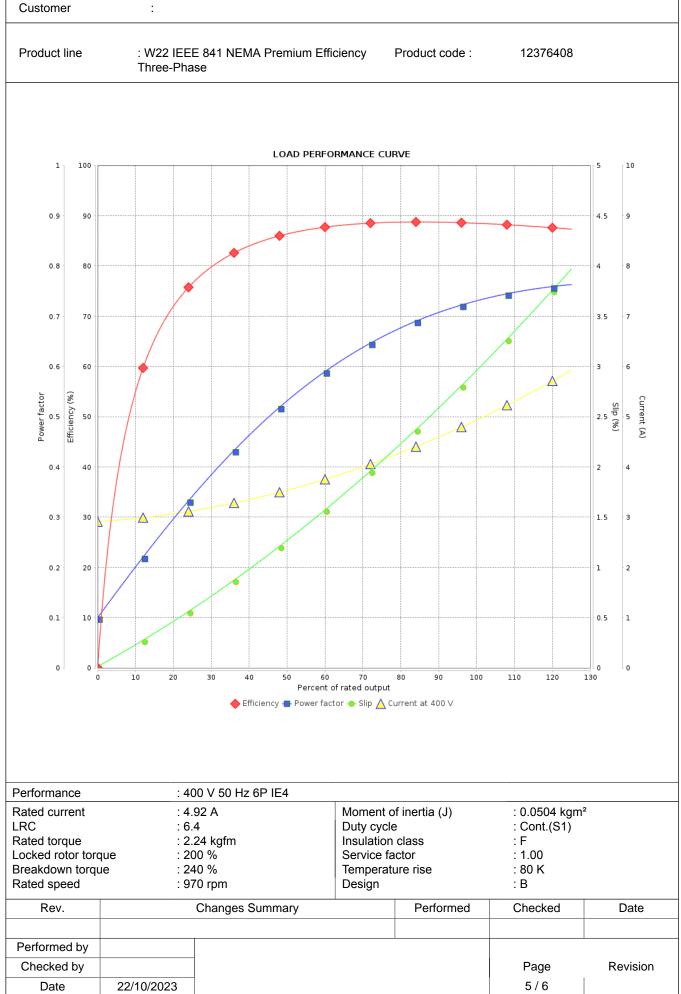


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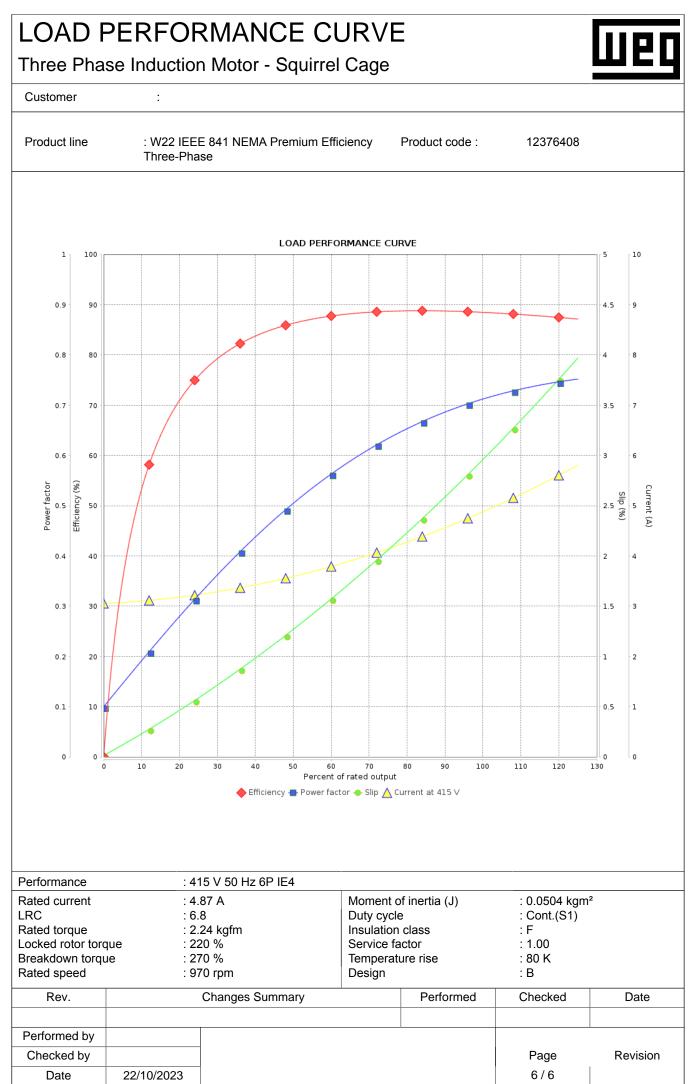
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