DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

				ı	1					
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 254/6T : F : Cont.(S : -20°C t : 1000 m : IP56	61) o +40°C		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 : 136 kg : 0.1652 kgm²		
Design		: B								
Output [HP]		7.5		7.5			7.5		7.5	
Poles			6		6 50		6			6
Frequency [Hz]		60 460		380			50 400			50 415
Rated voltage [V] Rated current [A]		9.48		11.4			10.8		10.5	
L. R. Amperes [A]		63.5		58.1			61.6		64.0	
_RC [A]		6.7x(Code H)		5.1x(Code F)			5.7x(Code G)		6.1x(Code G)	
No load current [A]		4.50		4.50			4.75		4.95	
Rated speed [RPN		1175		970			970		975	
Slip [%]		2.08		3.00			3.00		2.50	
Rated torque [kgfr		4.63		5.61			5.61		5.58	
_ocked rotor torqu		240		160			190		210	
Breakdown torque	e [%]	290			210		229		250	
Service factor		1.25			1.00		1.15		1.15	
Temperature rise		80 K		10- /-	105 K		105 K		80 K	
Locked rotor time Noise level ²		54s (cold) 30s (hot) 59.0 dB(A)			48s (cold) 27s (hot) 57.0 dB(A)		48s (cold) 27s (hot) 57.0 dB(A)		48s (cold) 27s (hot 57.0 dB(A)	
	25%		38.6	5	90.2				57	.0 uB(A) 88.7
	50%		39.5		89.5		89.5			89.5
Efficiency (%)	75%		90.2		89.5		89.5		89.5	
	100%		91.0		88.5		89.5		90.2	
Power Factor	25%		0.38		0.44		0.41		0.39	
	50%	0.63			0.70		0.66			0.64
	75%	(0.74		0.79		0.77		0.75	
	100%	(0.80		0.83		0.82	0.82		0.81
Losses at normat	ive operating	points (sp	eed;torque), i	n percer	ntage of rat	ed outpu	it power			
		1 (0,9;1,0) 10.9		_			13.0		12.0	
	P2 (0,	5;1,0)	9.4		13.0		11.5		10.5	
	P3 (0,2		8.9		12.4		11.0		10.0	
Losses (%)	P4 (0,		5.6 4.0		7.2		6.5		6.1	
		P5 (0,5;0,5)			5.4		4.8		4.4	
	P6 (0,		2.9		3.8		3.4		3.2	
	P7 (0,2	25;0,25) 2.0			2.9			2.5 2.3		2.3
Bearing type		Drive end Non drive end								
		: 6309		09 C3	max. a douon			: 151 kgf		
Sealing	: Inpro/Seal Inpro/Seal : 20000 h 20000 h			Max. compression			: 288 kgf			
Lubrication interval Lubricant amount		: 20000 h 20000 h : 13 g 9 g								
Lubricant type	: Mobil Polyrex EM									
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with to veight subjec	shaft end. plerance o	f +3dB(A).	nich		-		ased on tes tolerances		sinusoidal ed in NEMA
Rev.						Performed		Checked		Date
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Notes

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	16/01/2024	-		2/6	

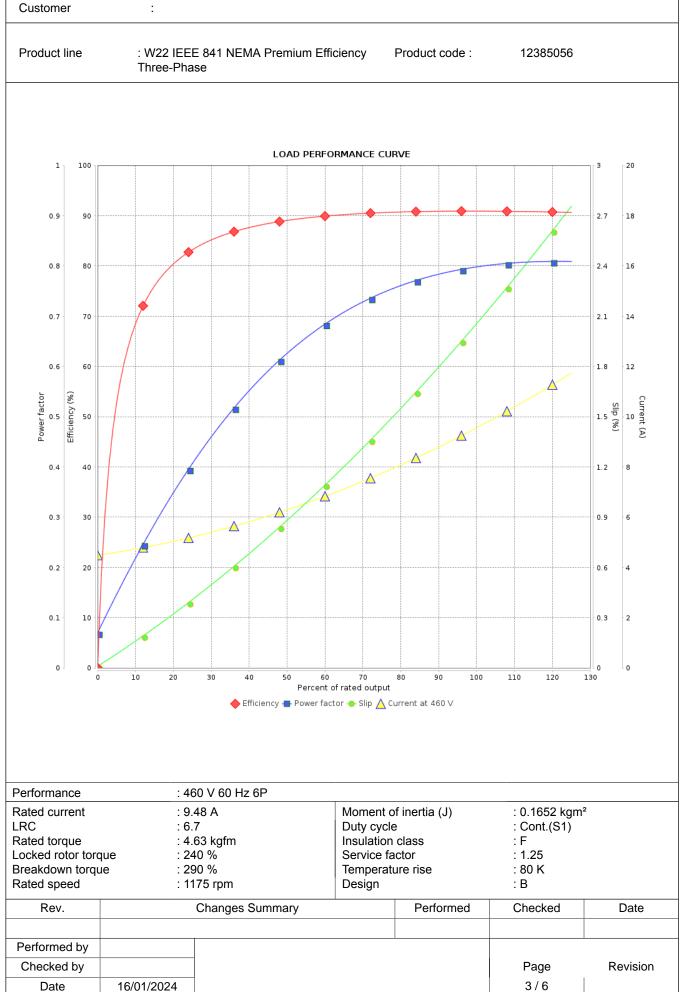
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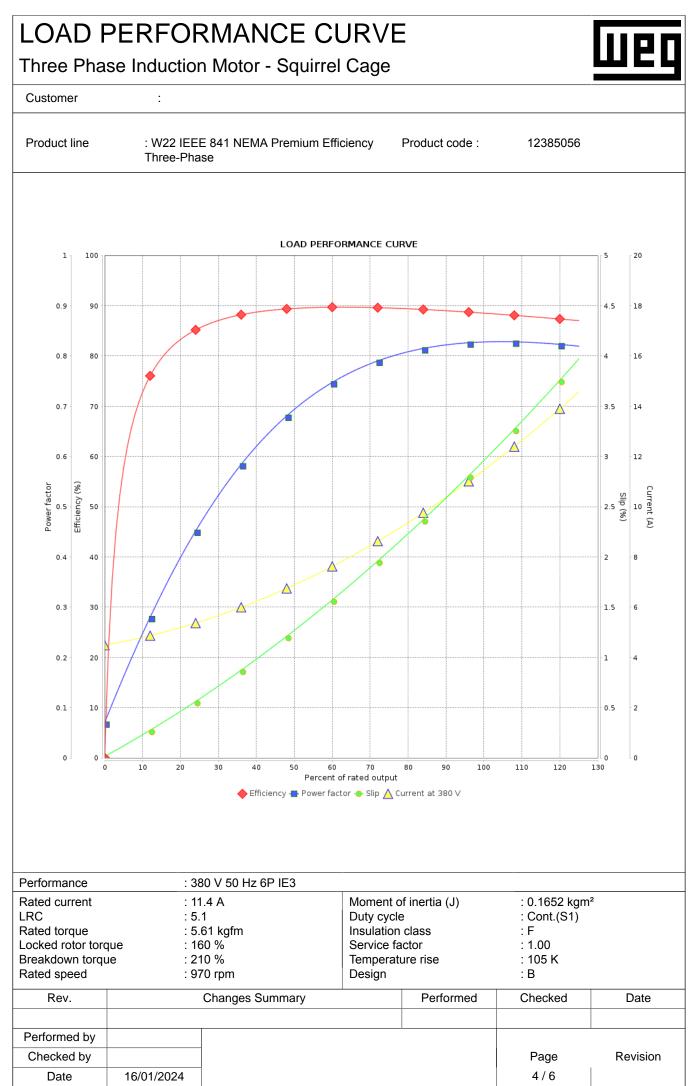
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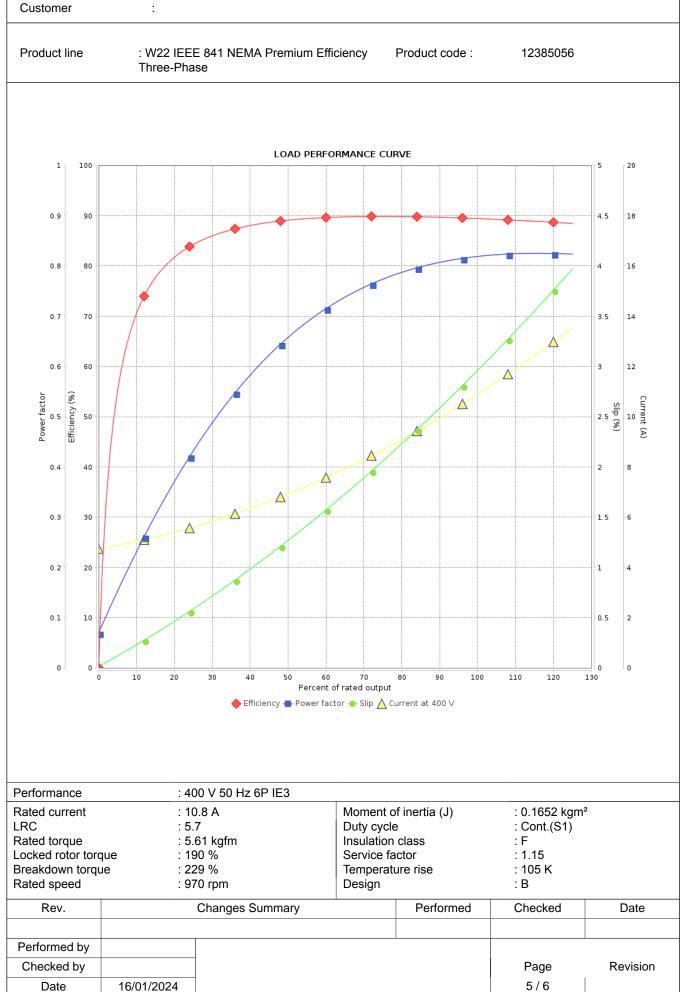


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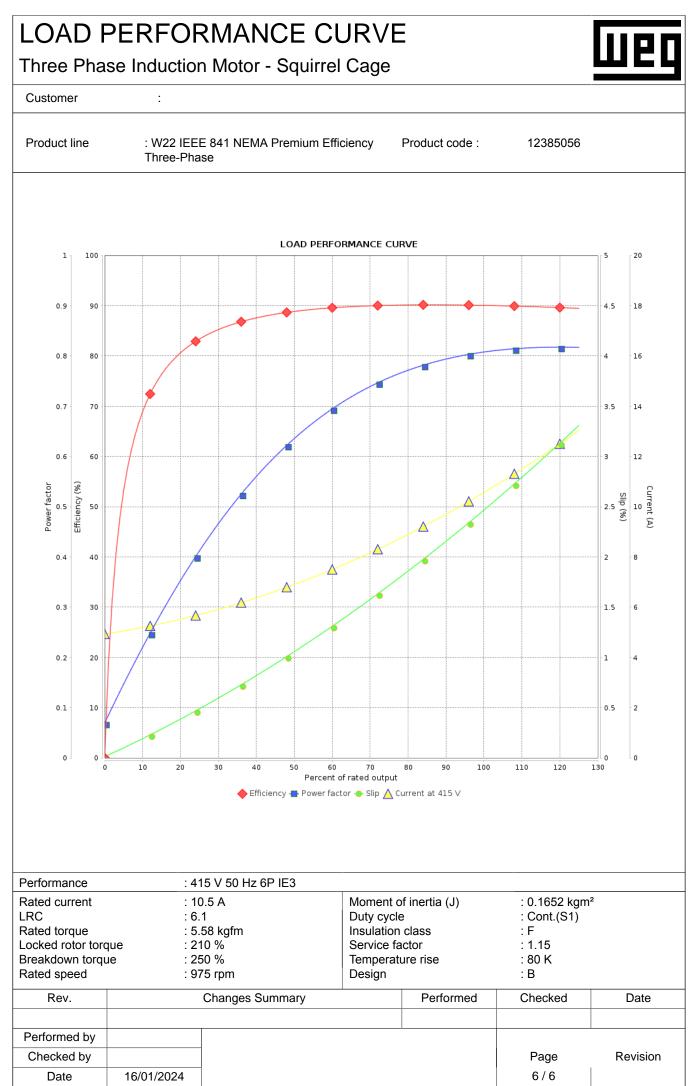
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