DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: W22 Phase	NEMA Pre	mium Efficien	cy Thre	e- F	Product	code :	13376	586	
Frame Insulation class Duty cycle Ambient temperature		: 447/9T : F : Cont.(S : -20°C t	61)	Cooling method Mounting Rotation ¹ Starting method			: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line			
Altitude Protection degree Design		: 1000 m.a.s.l. : IP55 : B			Approx. weight ³ Moment of inertia (J)			: 1311 kg : 3.77 kgm²		
Dutput [HP]			300		250		25	0		250
Poles		4		4			4		4	
Frequency [Hz]		60		50			50		50	
Rated voltage [V]		230/460		380			400		415	
Rated current [A]		660/330		337			320		311	
L. R. Amperes [A]		4290/2145		2056			2144		2239	
LRC [A]		6.5x(Code G)		6.1x(Code F)			6.7x(Code G)		7.2x(Code H)	
No load current [A]		210/105		104			111		116	
Rated speed [RPM]		1780		1480			1480		1485	
Slip [%]	_	1.11		1.33			1.33		1.00	
Rated torque [kgfm]		122		123			123		122	
ocked rotor torqu		250		210			240		260	
Breakdown torque [%]		250		220			250		270	
Service factor		1.15		1.00			1.00		1.00	
Temperature rise		80 K		105 K			105 K		105 K	
ocked rotor time		28s (cold) 16s (hot)			18s (cold) 10s (hot)		18s (cold) 10s (hot)			cold) 10s (hot)
Noise level ²	05%	75.0) dB(A)	1	1.0 dB(A)		71.0 d	IB(A)		71.0 dB(A)
Efficiency (%)	25%						05.0			05.4
	50%	95.8		95.8			95.8 96.2			95.4
	75% 100%		96.2		95.8		96.2			95.8 96.2
	25%		96.2		96.0		90.0			90.2
Power Factor	50%	0.77		0.78			0.75			0.73
	75%	0.77		0.78			0.83			0.73
	100%	0.87		0.87			0.0			0.86
								,,		0.00
Losses at normati				n percer	-		out power			
		P1 (0,9;1,0)		4.5 3.3		.8	4.8		4.5	
		P2 (0,5;1,0)			3.5		3.5		_	3.3
		P3 (0,25;1,0) P4 (0,9;0,5)			3.0		3.0		_	2.7
Losses (%)	P4 (0, P5 (0,		2.5		1.6		1.6		_	2.5
			1.5 1.1		1.0		1.0		_	1.5
	P6 (0,5 P7 (0,2		0.6		0.			0.6	_	0.6
	F7 (0,2							0.0		0.0
Rearing type		: NU-322 C3 6319 C3			Foundation loads			1 0000 had		
Bearing type					Max. traction			: 2230 kgf		
Sealing	vol.	: WSeal WSeal			Max. compression			: 3541 kgf		
Lubrication interval		: 4000 h 8000 h								
Lubricant amount Lubricant type		: 60 g 45 g : Mobil Polyrex EM								
Eublicant type				_101						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	d. otor from the m and with to veight subjec	shaft end. plerance o	f +3dB(A).	nich						n sinusoidal ated in NEMA
manufacturing process.							Chaolicad		Data	
Rev.	Changes Summary				Performed		Checked		Date	
Performed by										
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Checked by								Page		Revision
Date	13/01/2024							1/6		

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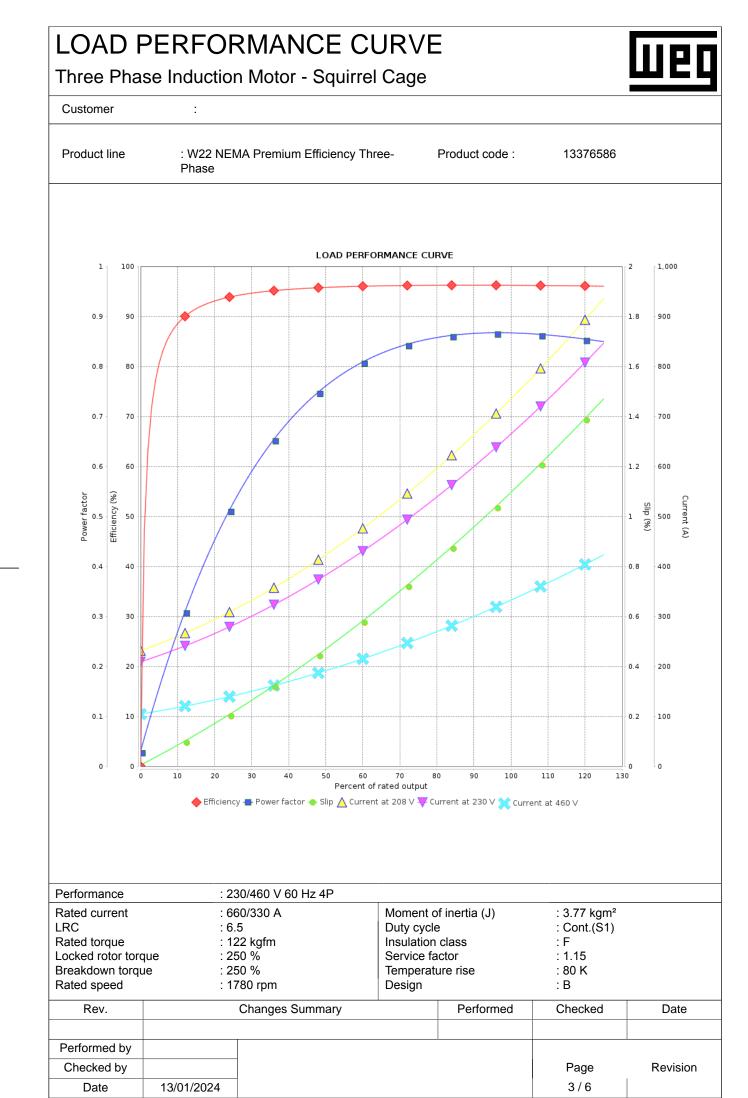
Notes USABLE @208V 730A SF 1.00 SFA 730A

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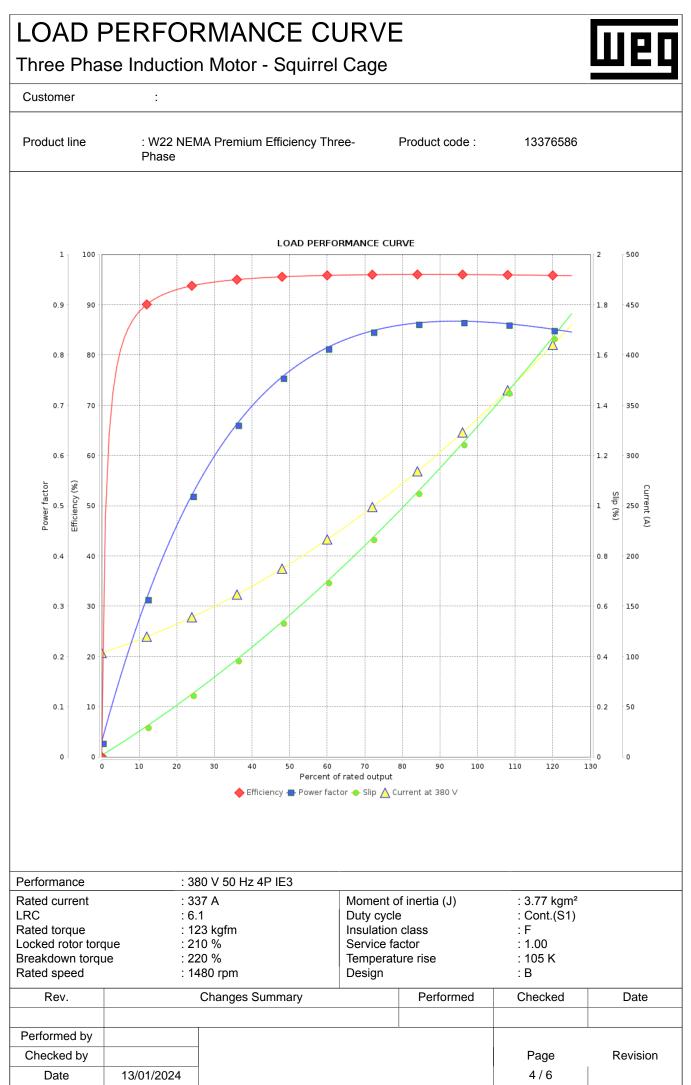
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/01/2024	-		2/6	

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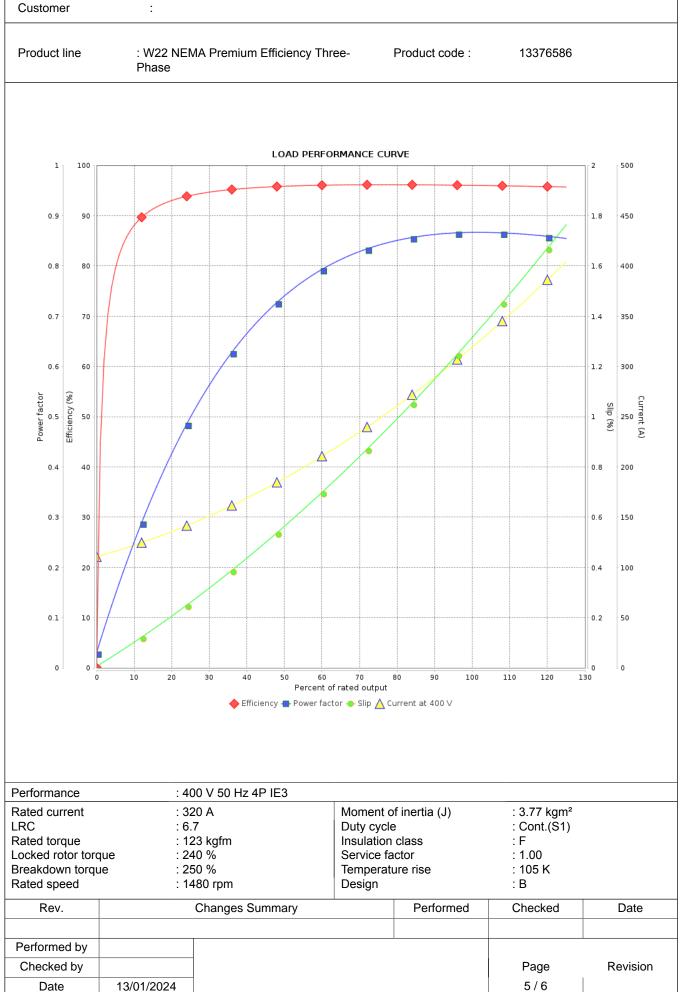


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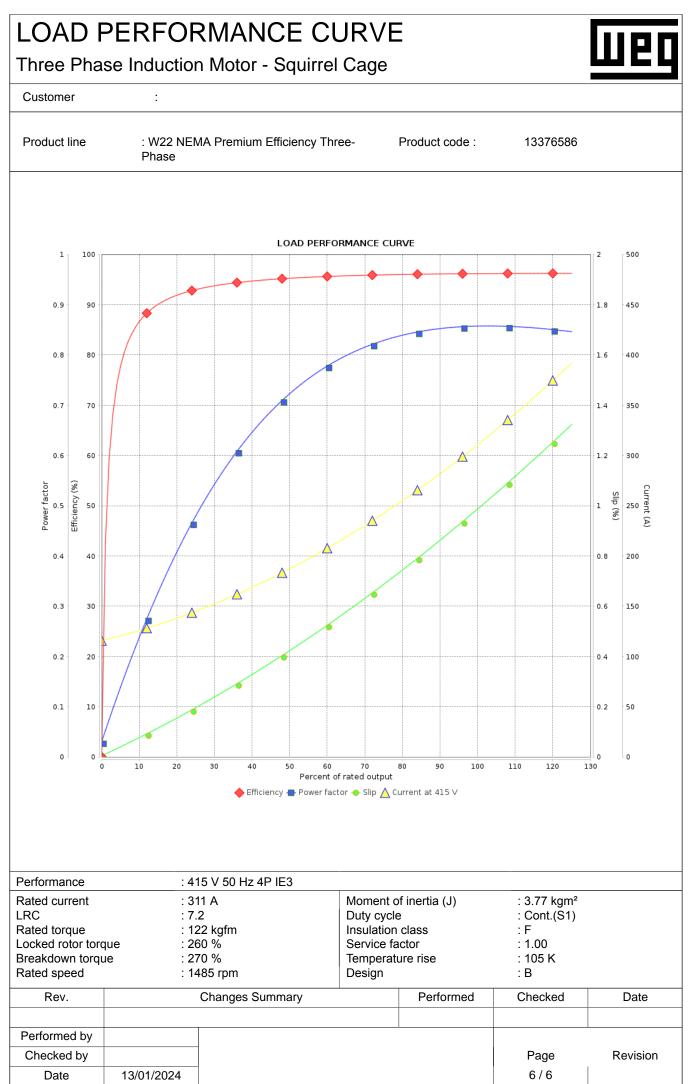
LOAD PERFORMANCE CURVE

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