DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: W22 Phase	NEMA Pre	mium Efficien	icy Thre	e- I	Product	code :	13201	563	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 447/9T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : 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 : 1305 kg : 3.77 kgm ²		
Output [HP]			300		250		25	0		250
Poles		4		4			4		4	
Frequency [Hz]		60		50			50		50	
Rated voltage [V]		460		380			400		415	
Rated current [A]		330		337			320		311	
L. R. Amperes [A]		2145		2056			2144		2239	
.RC [A]		6.5x(Code G)		6.1x(Code F))	6.7x(Code G)		7.2x(Code H)	
No load current [A]		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	
Locked rotor torque [%]		250		210			240		260	
Breakdown torque [%]		250		220			250		270	
Service factor		1.15		1.00			1.00		1.00	
Temperature rise		80 K		40.5	105 K		105 K		105 K	
Locked rotor time		28s (cold) 16s (hot)			18s (cold) 10s (hot)		18s (cold) 10s (hot)			cold) 10s (hot)
Noise level ²	0.5%	75.0) dB(A)	7	1.0 dB(A)		71.0 d	B(A)	7	′1.0 dB(A)
Efficiency (%)	25%						05.0			05.4
	50%	95.8		95.8			95.8			95.4
	75%		96.2		95.8		96.2			95.8
	100% 25%	5	96.2		96.0		96.0			96.2
Power Factor	25% 50%	0.77		0.78			0.75			0.73
	50% 75%	0.77		0.78			0.75			0.73
	100%	0.87		0.87			0.87			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)			3.0		3.0			2.7
Losses (%)		P4 (0,9;0,5)			2.7		2.7		2.5	
	P5 (0,		1.5		1.6		1.6		1.5	
		,5;0,25) 1.1			1.1			1.1		1.1
	P7 (0,2	5;0,25) 0.6			0.6			0.6 0.6		0.6
	Drive end Non drive end NU-322 C3 6319 C3			Max. traction			: 2233 kgf			
Bearing type Sealing										
				/Seal	Max. con	npressio	n	: 3538	kgf	
Lubrication interval		: 4000 h 8000 h								
Lubricant amount		: 60 g 45 g : Mobil Polyrex EM								
Lubricant type		. IVI								
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	d. otor from the m and with to veight subjec	shaft end. plerance of	f +3dB(A).	hich						n sinusoidal ated in NEMA
				,	Performed		ormed	Checked		Date
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Date	13/01/2024						1	1/6		

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Notes

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

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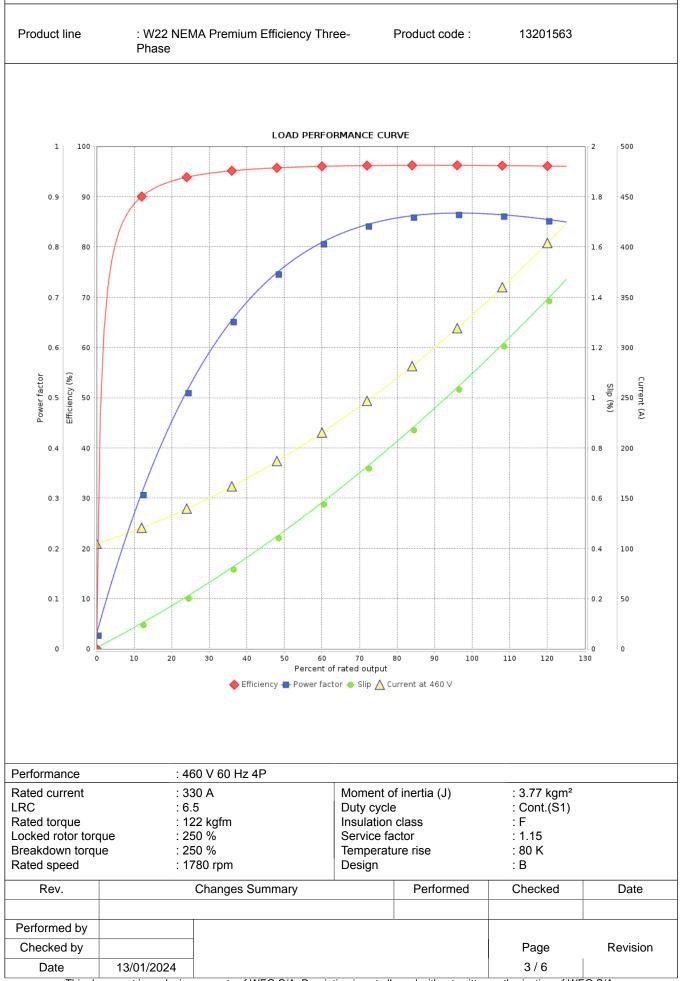


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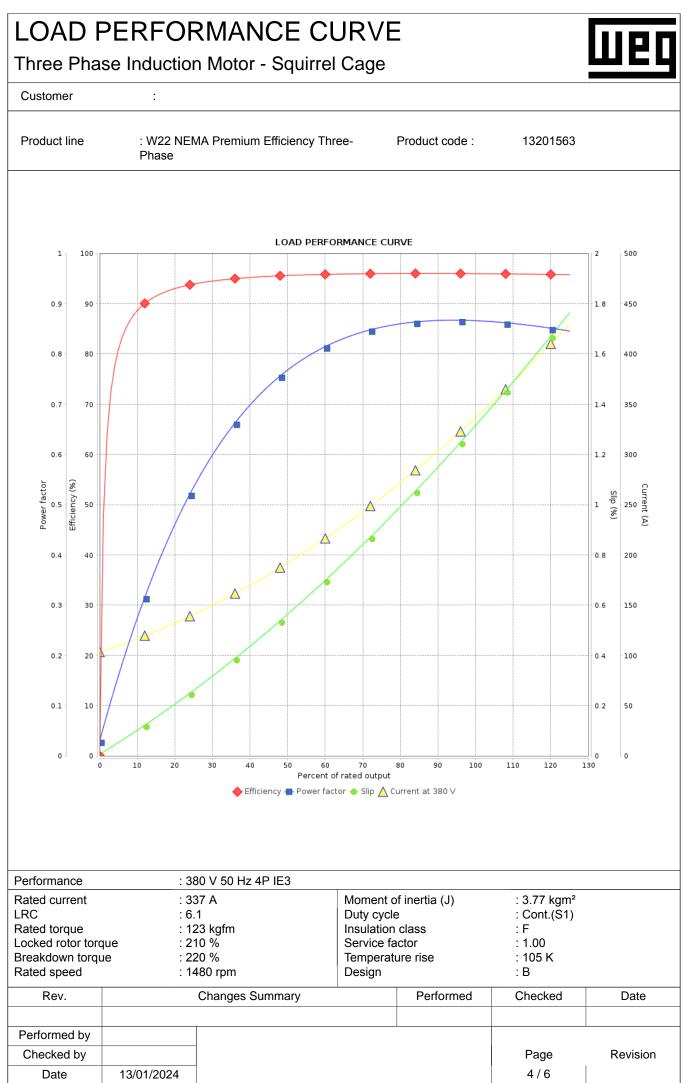


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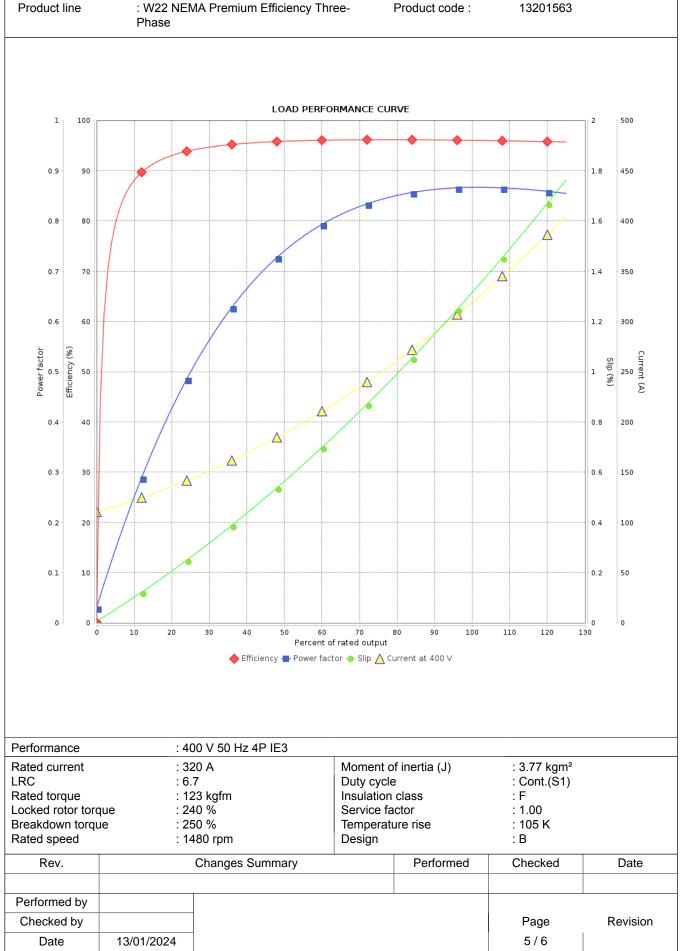


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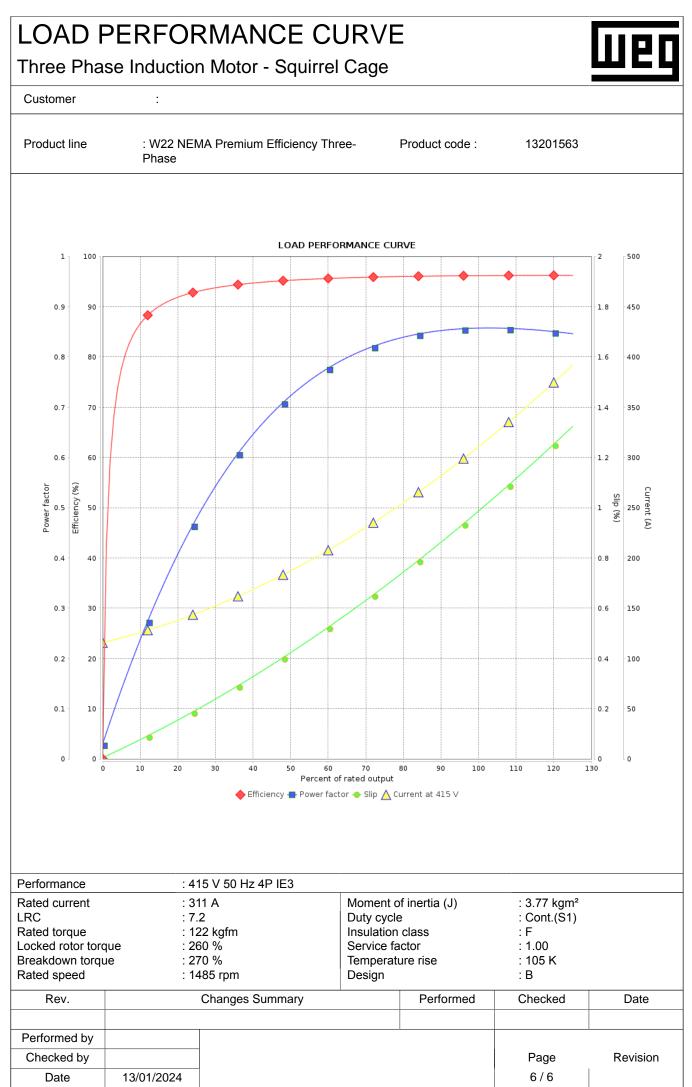


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