DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: W22 Phase	NEMA Pre	mium Efficien	icy Thre	e- P	roduct c	ode :	12717	665	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 213/5T : F : Cont.(S : -20°C t : 1000 m : IP55 : B	61) o +40°C	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)			(J)	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 69.9 kg : 0.0753 kgm ²		
J.		. D	0		2		2			0
Output [HP] Poles		2 8			2 8		8			2 8
Frequency [Hz]		60		50			50		50	
Rated voltage [V]		230/460		380			400			415
Rated current [A]		6.78/3.39		3.91			3.80		3.78	
L. R. Amperes [A]		46.8/23.4		23.5			24.7		27.2	
LRC [A]		6.9x(Code L)		6.0x(Code J)			6.5x(Code K)		7.2x(Code L)	
No load current [A]		4.60/2.30		2.30			2.42		2.54	
Rated speed [RPM]		875		715			720		725	
Slip [%]		2.78		4.67			4.00			3.33
Rated torque [kgfm] Locked rotor torque [%]		1.66			2.03		2.02		2.00	
		220			170 210		210 250		240 280	
Breakdown torque [%] Service factor		290 1.25			1.00		1.00		1.00	
Temperature rise		80 K			80 K		80 K		80 K	
Locked rotor time		70s (cold) 39s (hot)		70s (o	Os (cold) 39s (hot)		70s (cold) 39s (hot)		70s (cold) 39s (hot)
loise level ²		52.0 dB(A)			48.0 dB(A)		48.0 dB(A)			8.0 dB(A)
	25%						. ,			
Efficiency (%)	50%		32.5		81.5		81.5			81.5
Enciency (70)	75%		34.0		82.0		82.5			82.5
	100%	85.5			82.0		82.5			82.5
Power Factor	25%				0.50		0.40			0.40
	50% 75%	0.45		0.52			0.49			0.46 0.56
	100%	0.55 0.65			0.62 0.71		0.59 0.69			0.56
								9		0.07
Losses at normati				n percer	ntage of rate	-	t power	00.4		
		P1 (0,9;1,0)		16.1 13.5			20.1		20.1	
		P2 (0,5;1,0) P3 (0,25;1,0)			17.5 17.1		16.5		_	16.9
Losses (%)		P3 (0,25,1,0) P4 (0,9;0,5)			12.4		12.0		10.5	
203303 (70)		P5 (0,5;0,5)			9.0		8.7		-	8.7
	P6 (0,		7.0 5.6		7.2		_	7.0		7.0
		,25;0,25) 5			5.7		5.5			5.5
	(-)-			ive end			1			-
Bearing type		: 6308		07 ZZ				: 68 kgf		
Sealing		: V'Ring V'Ring			Max. compression			: 138 kgf		
Lubrication interval				-					0	
Lubricant amount		:								
Lubricant type		: Mobil Polyrex EM								
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process				hich	These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.					
manufacturing pro	rocess. Changes Summary				<u> </u>	Perfor	med	Checke	d	Date
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Date	31/01/2024	1 1						1/0		

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Notes

USABLE @208V 7.49A SF 1.15 SFA 8.62A

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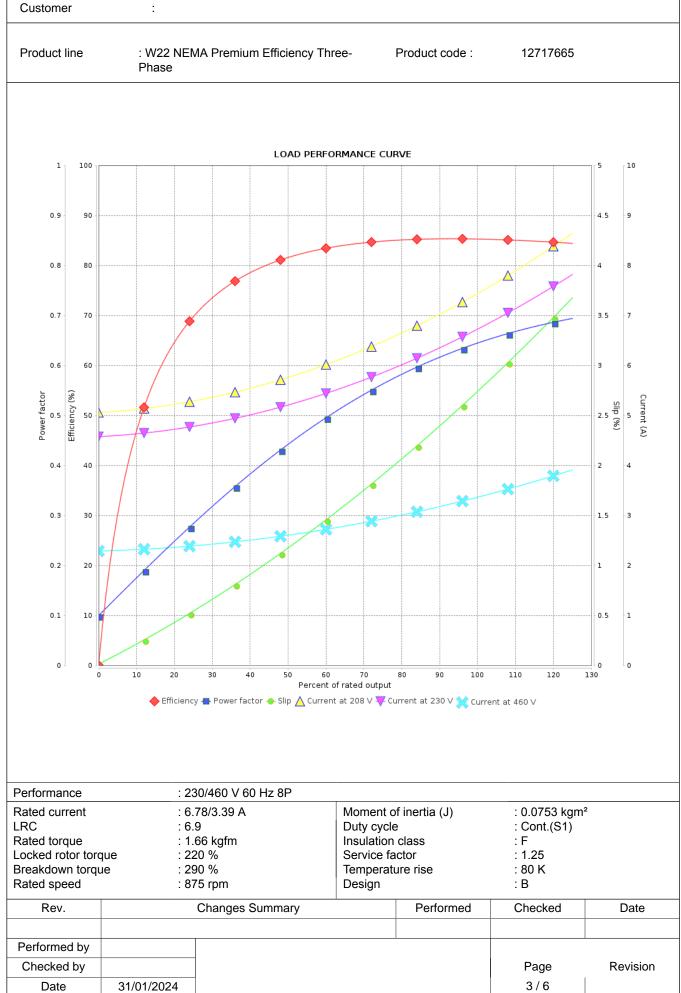
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Rev.		Changes Summary	Performed	Checked	Date		
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Checked by				Page	Revision		
Date	31/01/2024	-		2/6			
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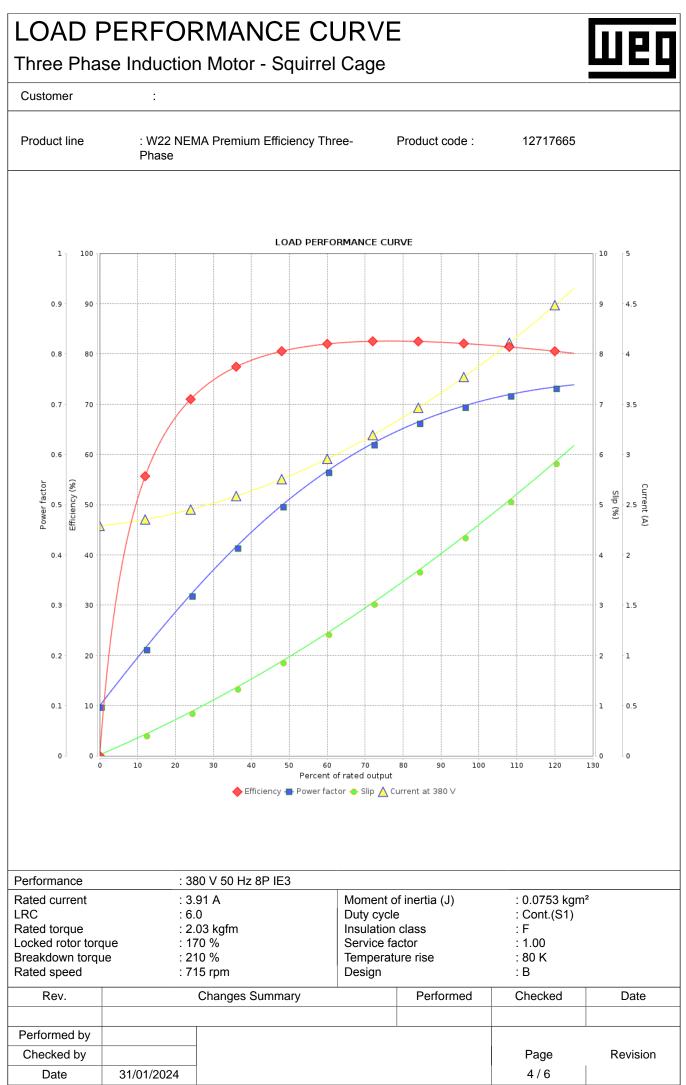
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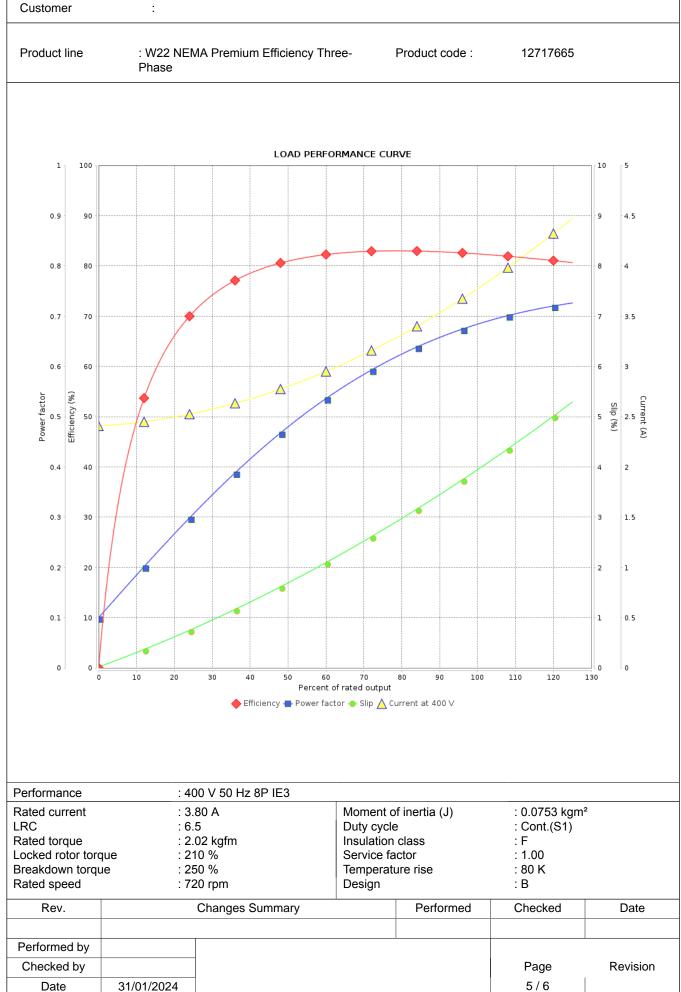


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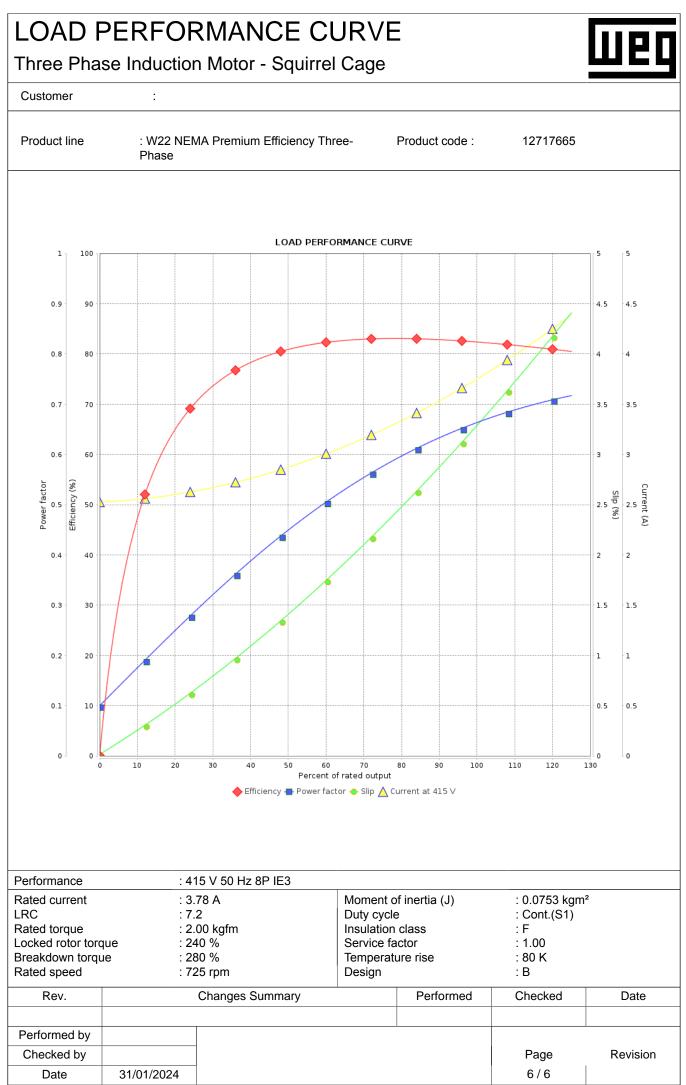
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