DATA SHEET

Three Phase Induction Motor - Squirrel Cage

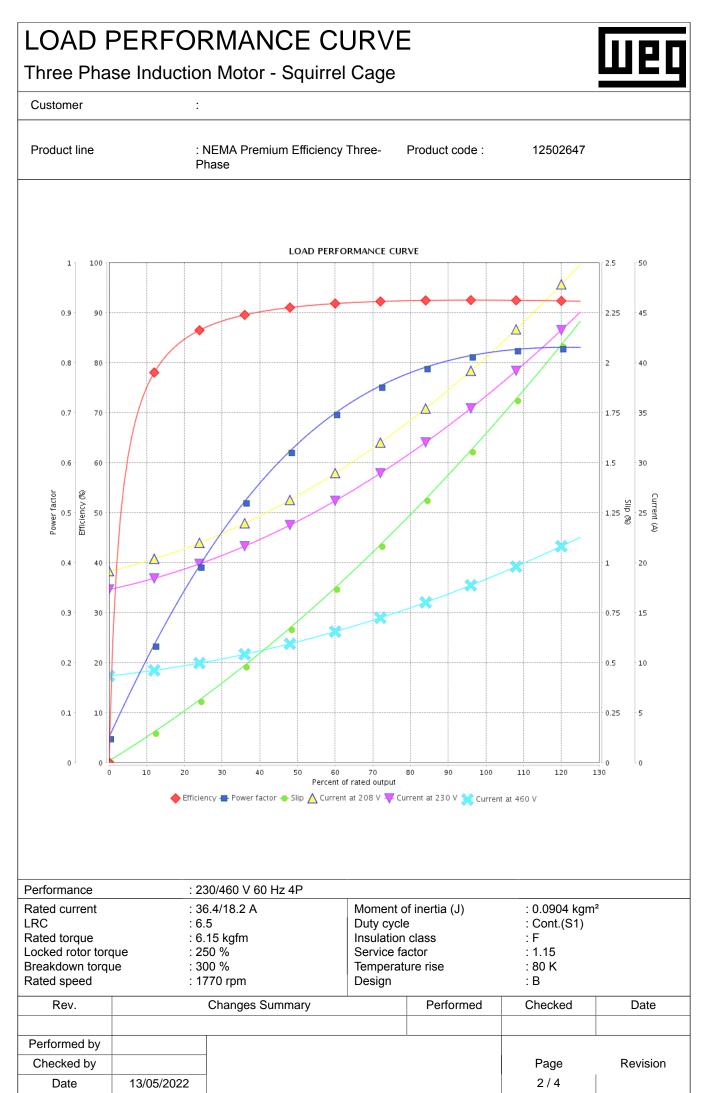
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Customer

Product line		: NEMA Premium Efficiency Three- Product coor Phase		Product code :	12502647		
Frame		: 254/6T	Coolin	g method	: IC411 - TEFC		
Insulation class		: E	Mounti		: F-1		
Duty cycle		: Cont.(S1)	Rotatic		: Both (CW and CCW)		
		: -20°C to +40°C			: Direct On Line		
Ambient temperature				g method			
Altitude		: 1000 m.a.s.l.		. weight ³	: 95.7 kg : 0.0904 kgm²		
Protection degree Design		: IP55 : B	Momer	Moment of inertia (J) : 0.090		m²	
-				45		45	
Output [HP] Poles		15 4		<u>15</u> 4	<u> </u>		
Frequency [Hz]		60		50 50		=	
Rated voltage [V]		230/460			220/415		
Rated current [A]		36.4/18.2			13.8/21.9 39.4/20.9		
L. R. Amperes [A]		237/118		241/120 240/127			
LRC [A]		6.5x(Code G)		5.5x(Code F) 6.1x(Code G)			
No load current [A]		17.3/8.65		17.1/8.53 17.5/9.28		.5/9.28	
Rated speed [RPM]		1770		1455		1460	
Slip [%]		1.67		3.00		2.67	
Rated torque [kgfm]		6.15		7.48		7.46	
Locked rotor torque [%]		250		190		210	
		300					
Breakdown torque [%]				229 260			
Service factor		1.15		1.00 1.00			
Temperature rise		80 K		105 K	105 K		
Locked rotor time		34s (cold) 19s (hot)	0	s (cold) 0s (hot)	0s (cold) 0s (hot)		
Noise level ²		68.0 dB(A)		65.0 dB(A)	65.	0 dB(A)	
	25%	90.8		92.5		91.9	
Efficiency (%)	50%	91.0		91.5		91.2	
	75%	92.4		91.2	91.4		
	100%	92.4		89.9			
						90.4	
Power Factor	25%	0.39		0.45		0.41	
	50%	0.64		0.71		0.67	
	75%	0.76		0.81	0.78		
	100%	0.82		0.85		0.84	
		Drive end Non drive e	nd Founda	tion loads			
Bearing type		: 6309 Z C3 6208 Z 0	C3 Max. tra	action	: 257 kgf		
Sealing		: V'Ring Withou		ompression	: 353 kgf		
ocaning		Bearing S		Inpression	. 000 kgi		
Lubrication interv		: 20000 h 20000					
Lubricant amoun							
		: 13 g 8 g Mobil Polyrex EM					
Lubricant type		: Mobil Polyrex EM					
Notes USABLE @208∨	′ 40.2A SF 1.	00 SFA 40.2A					
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the 1m and with t weight subjec	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after		are average values supply, subject to th			
(4) At 100% of ful							
Rev.		Changes Summary		Performed	Checked	Date	
-		<u> </u>					
Performed by							
Checked by					Page	Revision	
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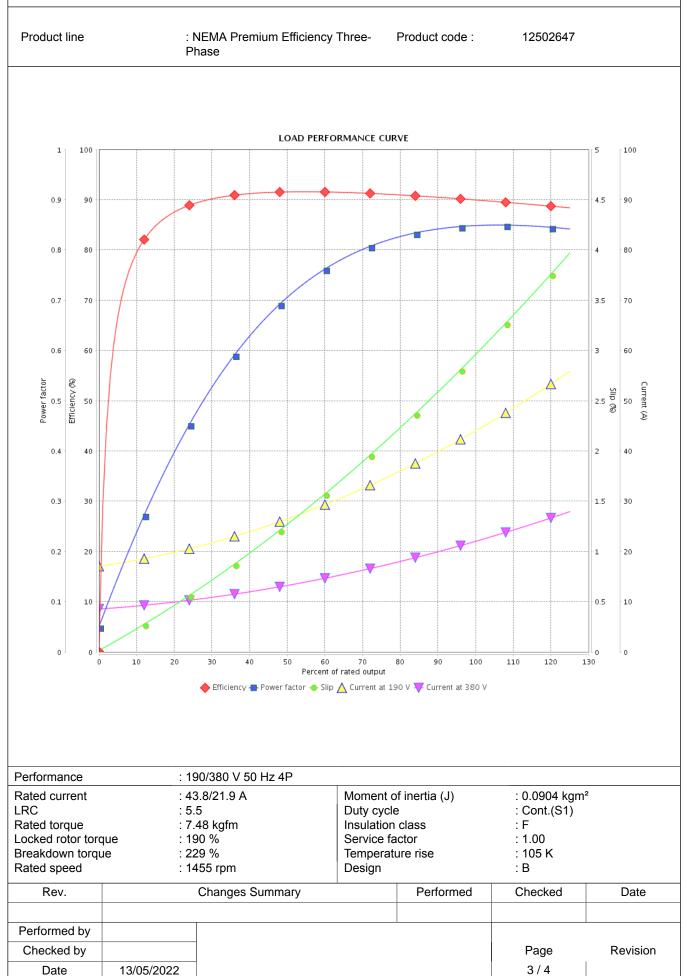
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LOAD PERFORMANCE CURVE

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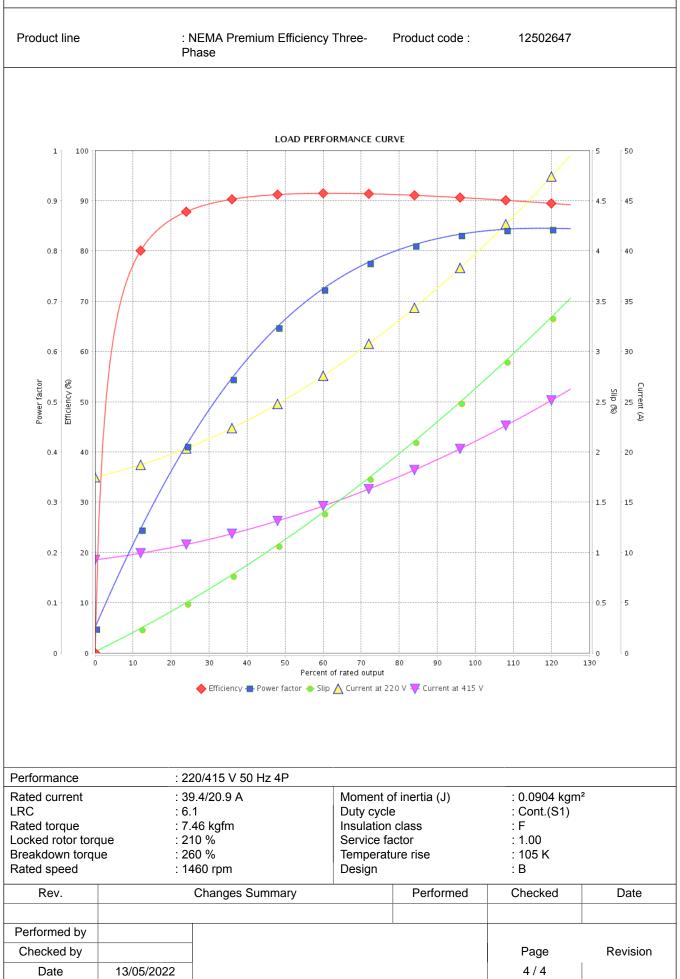
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