DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

		: NEMA Premium Efficiency T Phase	hree- Product code :	12651247	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 213/5TC : 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 : 64.8 kg : 0.0451 kgm ²	
Output [HP]		10	7.5	7.5	
Poles		4	4	4	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		24.4/12.2	22.4/11.2	20.8/11.0	
L. R. Amperes [A]		171/85.4	170/85.1	172/91.3	
LRC [A]		7.0x(Code H)	7.6x(Code J)	8.3x(Code K)	
No load current [A		11.1/5.54	10.9/5.46	11.3/5.97	
Rated speed [RPN	И]	1760	1465	1470	
Slip [%]		2.22	2.33	2.00	
Rated torque [kgfr		4.12	3.72	3.70	
Locked rotor torqu		250	250	290	
Breakdown torque	e [%]	300	320	360	
Service factor		1.15	1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		27s (cold) 15s (hot)	0s (cold) 0s (hot)		
Noise level ²		60.0 dB(A)	57.0 dB(A)		
	25%	90.2	90.4		
Efficiency (%)	50%	91.0	90.1	Os (cold) 0s (hot) 3(A) 57.0 dB(A) 4 89.3 57.0 dB(A) 89.4 7 90.5 90.3 90.3 3 0.34 4 0.59 5 0.73 3 0.80	
· ···· · · · · · · · · · · · · · · · ·	75%	91.0	90.7		
	100%	91.7	90.1		
	25%	0.41	0.38		
Power Factor	50%	0.67	0.64		
	75%		0.78 0.76		
	100%	0.84	0.83	0.80	
Bearing type Sealing		Drive end Non drive end : 6208 ZZ 6206 ZZ : V'Ring Without Bearing Seal	Max. traction : 214 kgf Max. compression : 279 kgf		
Lubrication interv					
Lubricant amoun	IL	·			
Lubricant type		: Mobil Polyrex EM			
Notes	27.0A SF 1.0	00 SFA 27.0A			
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 weight subjec ocess.	plerance of +3dB(A).		based on tests with sinusoidal e tolerances stipulated in NEMA	
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with to weight subjec ocess.	shaft end. Derance of +3dB(A). t to changes after	power supply, subject to the MG-1.	e tolerances stipulated in NEMA	
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 weight subjec ocess.	shaft end. blerance of +3dB(A).	power supply, subject to the		
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with to weight subjec ocess.	shaft end. Derance of +3dB(A). t to changes after	power supply, subject to the MG-1.	e tolerances stipulated in NEMA	
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	ed. lotor from the Im and with to weight subjec ocess.	shaft end. Derance of +3dB(A). t to changes after	power supply, subject to the MG-1.	e tolerances stipulated in NEMA Checked Date	
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with to weight subjec ocess.	shaft end. blerance of +3dB(A). t to changes after Changes Summary	power supply, subject to the MG-1.	e tolerances stipulated in NEMA	

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 1 / 4

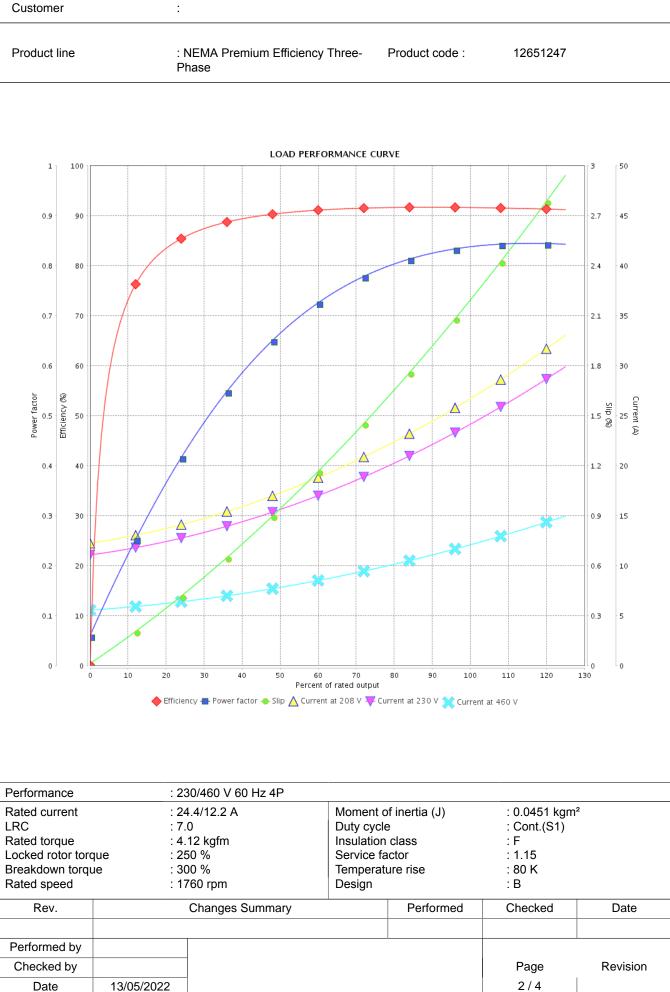
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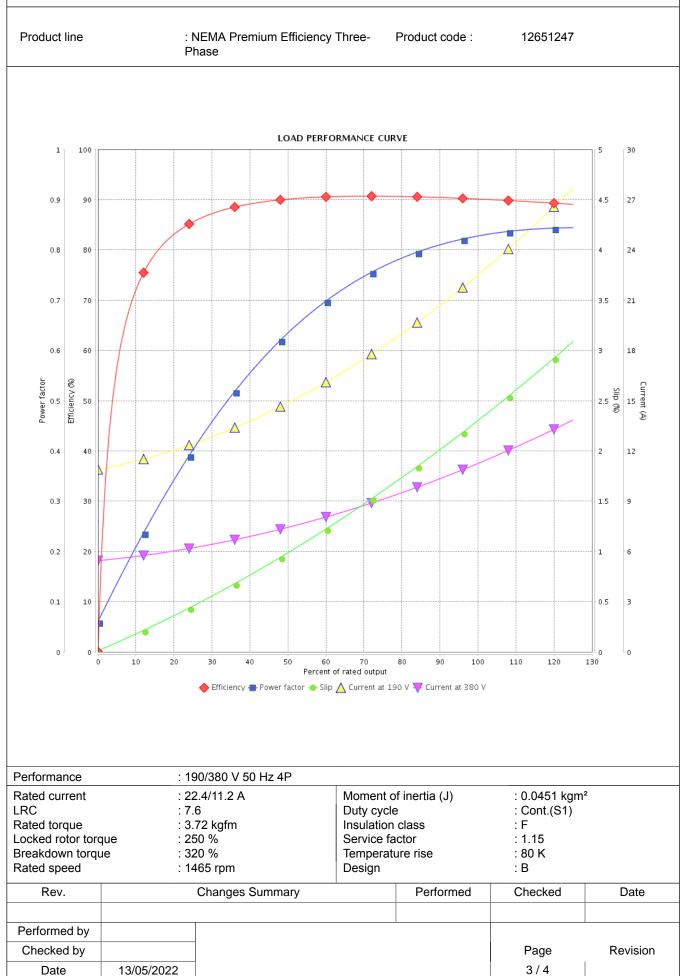
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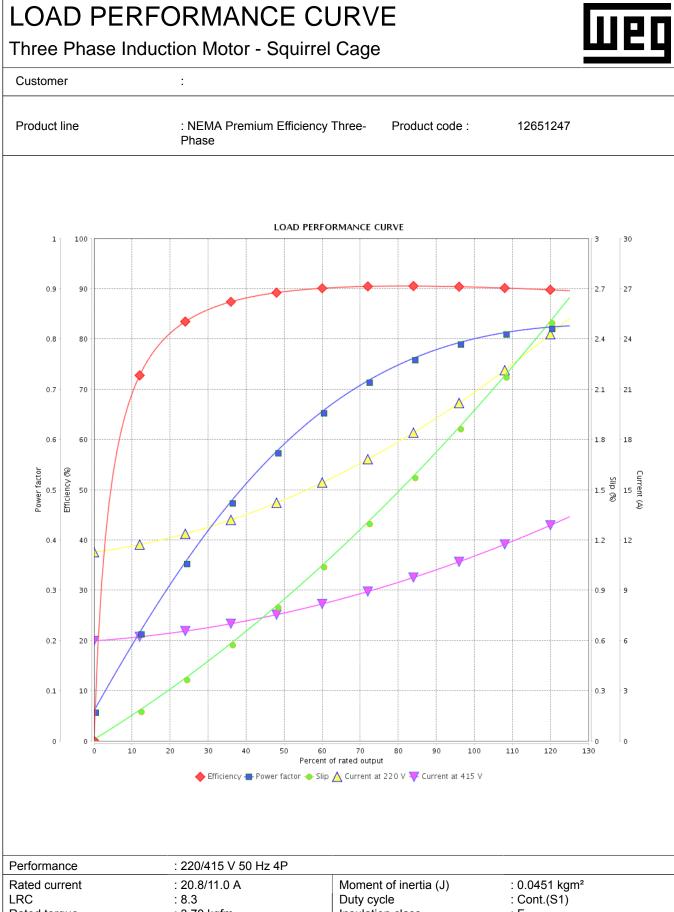
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Customer



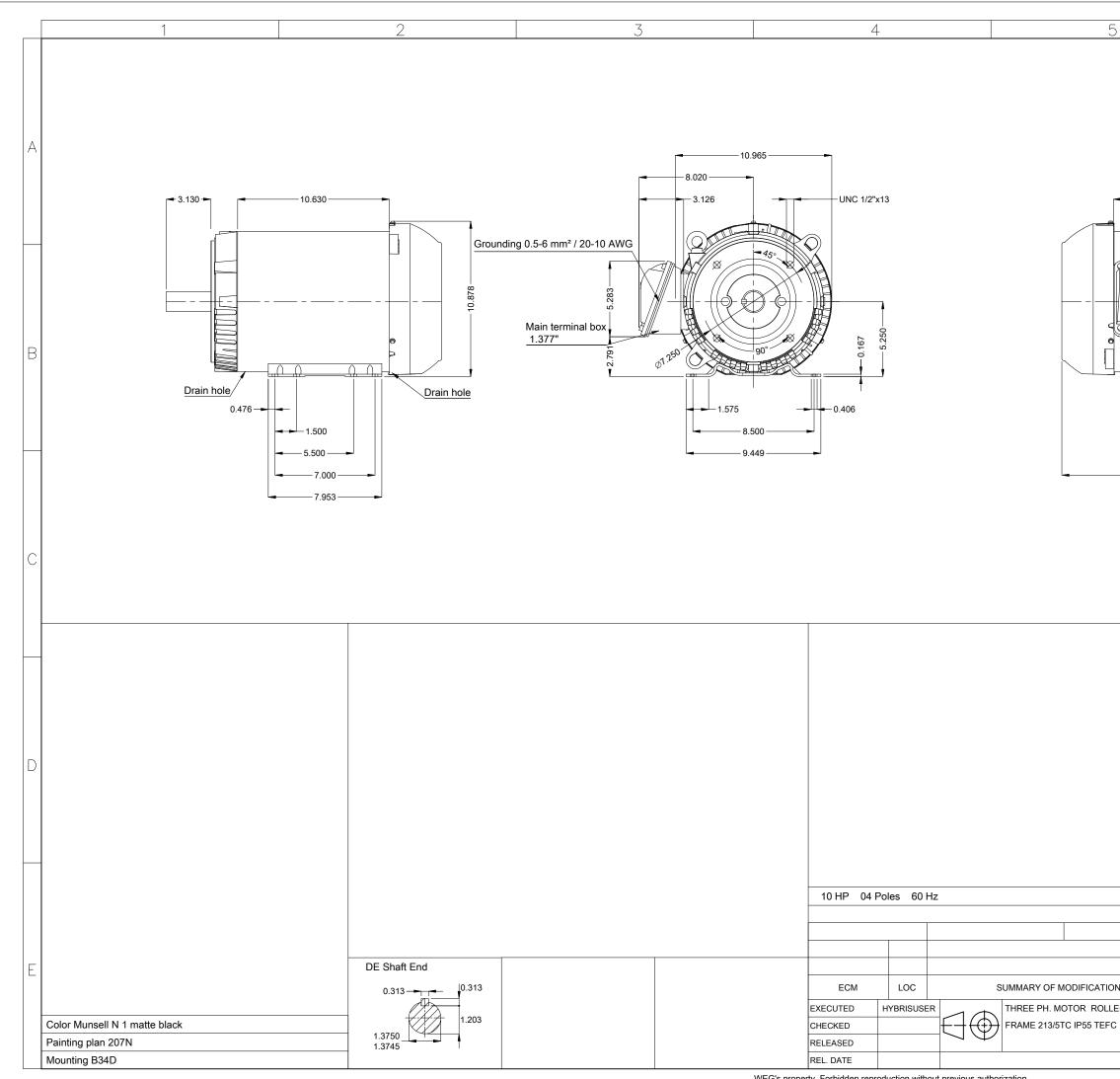
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LRC : 8. Rated torque : 3.		3 70 kgfm 90 %	Duty cycle Insulation class Service factor		: Cont.(S1) : F : 1.15	
Breakdown torqu	wn torque : 360 % Temperature rise		ire rise	: 80 K		
Rated speed	: 14	470 rpm	Design		: B	
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/05/2022				4 / 4	

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					Α	Dimensions in inches
			Scale	2 : 13		
	HYBRISUSER				00	
NS	EXECUTED	CHECKED	RELEASED	DATE	VER	
ED STEEL NEMA	PREM. EFF.	PREVI	EW			
				ШВ		A3
		WDD SHEET	00			
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