DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Frame	Product line		: Three-Phase		Product code :		14709245	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: W56C : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55		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 : 8.4 kg : 0.0008 kgm ²		
Output [HP]		0.5			0.5		0.5	
Poles		2			2		2	
Frequency [Hz]		60			50	50		
Rated voltage [V]		208-230/460		19	0/380	2	20/415	
Rated current [A]		1.73-1.57/0.784			7/0.885	1.61/0.852		
L. R. Amperes [A]		13.3-12.1/6.04			.3/5.13	10.3/5.45		
LRC [A]		7.7x(Code L)			5.8x(Code H) 6.4x(Code J			
No load current [A]		0.719-0.834/0.417			0.816/0.408 0.830/0.440			
Rated speed [RPI	vij	3435			2780 2810			
Slip [%] Bated torque [kafr	m]	4.58			7.33 6.33			
Rated torque [kgfm] Locked rotor torque [%]		0.106 330		0.131 240			0.129	
		330		240			280	
Breakdown torque [%] Service factor		300			1.15		1.15	
Temperature rise		80 K			80 K		80 K	
Locked rotor time		32s (cold) 18s (hot)			d) 18s (hot)			
Noise level ²		65.0 0			0 dB(A)		.0 dB(A)	
	25%	00.00						
Efficiency (%)	50%	68	.0	<u> </u>	72.0 71.4		71.4	
	75%	72			75.0		75.1	
	100%	74			74.7	75.5		
Power Factor	25%	, i	-	<u> </u>				
	50%	0.6	0.64		0.70 0.66		0.66	
	75%		0.75		0.81	0.78		
	100%		0.80		0.85	0.83		
Bearing type Sealing Lubrication interval Lubricant amount		Drive end : 6203 ZZ : V'Ring : - : -			Foundation loadsMax. traction: 7 kgfMax. compression: 15 kgf			
Lubricant type		: Mobil P	Mobil Polyrex EM					
Notes	' SF 1.00							
USABLE @208V								
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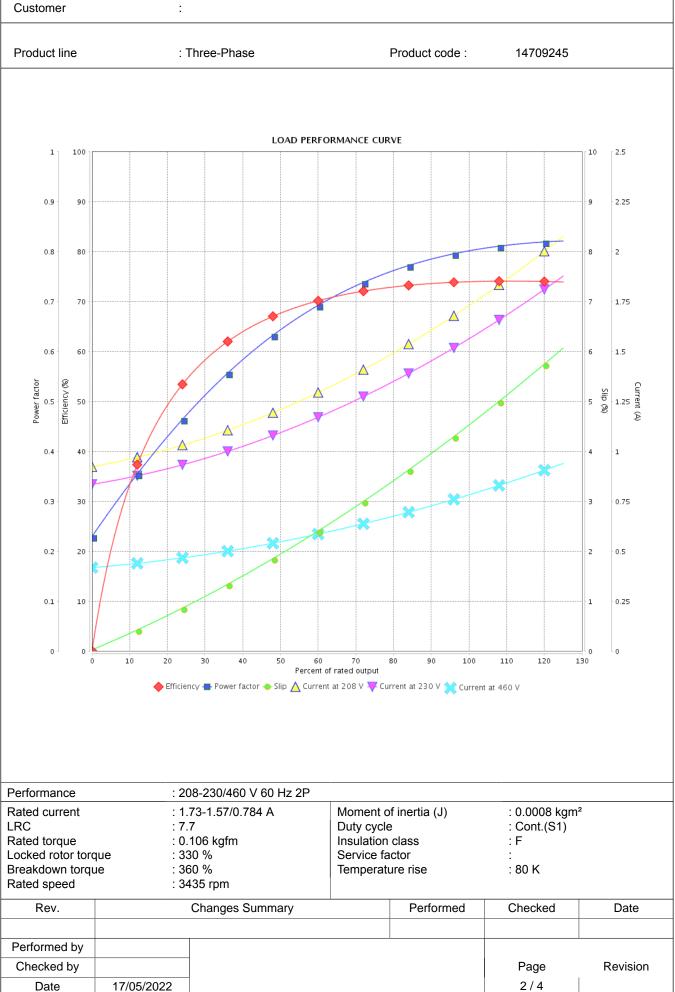
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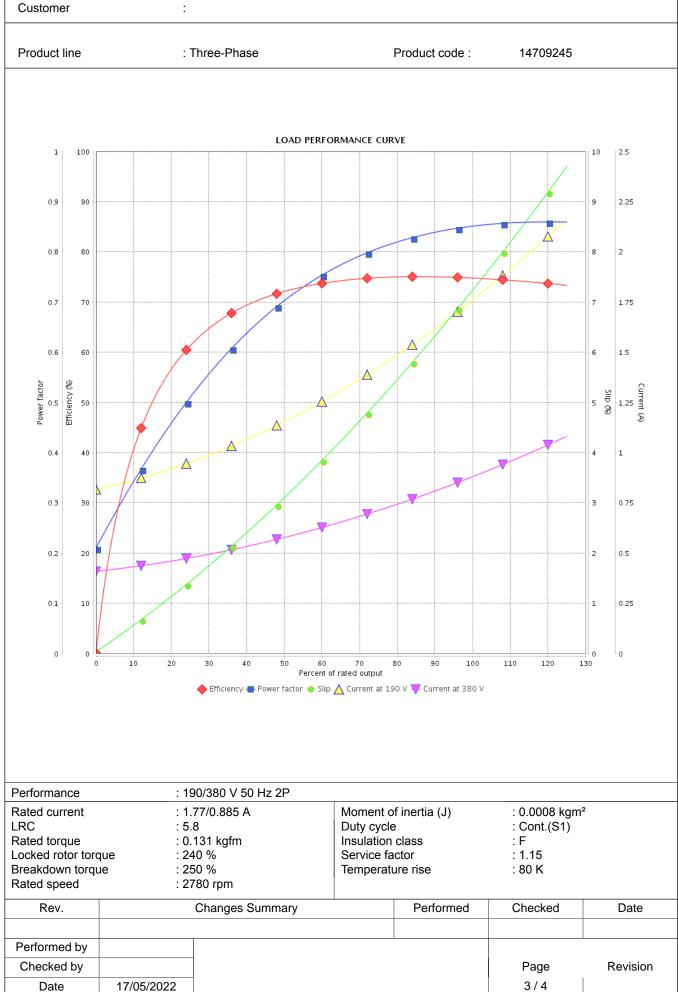


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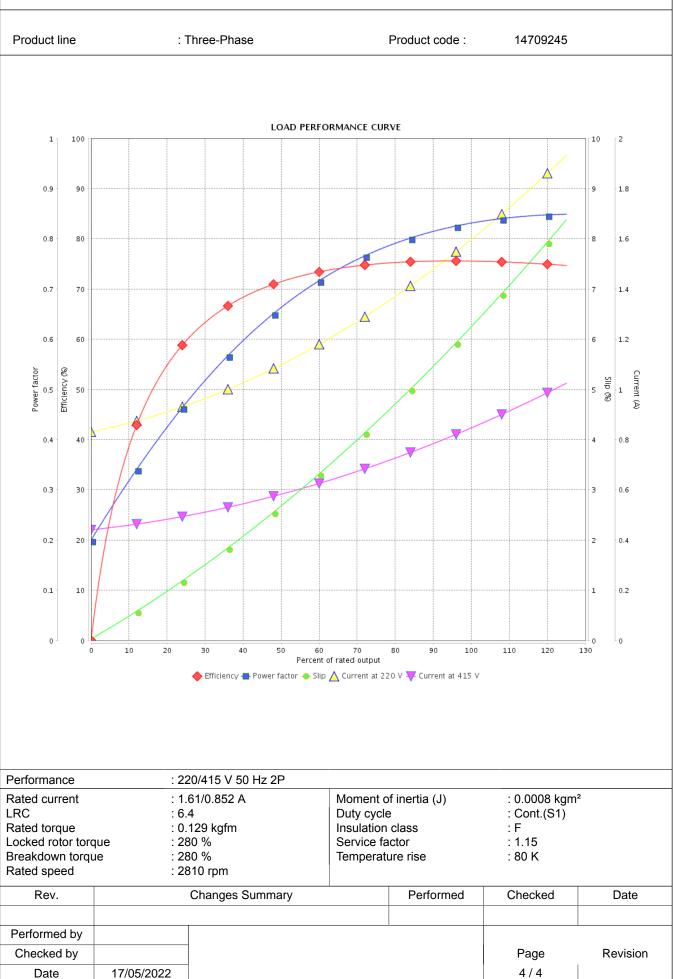
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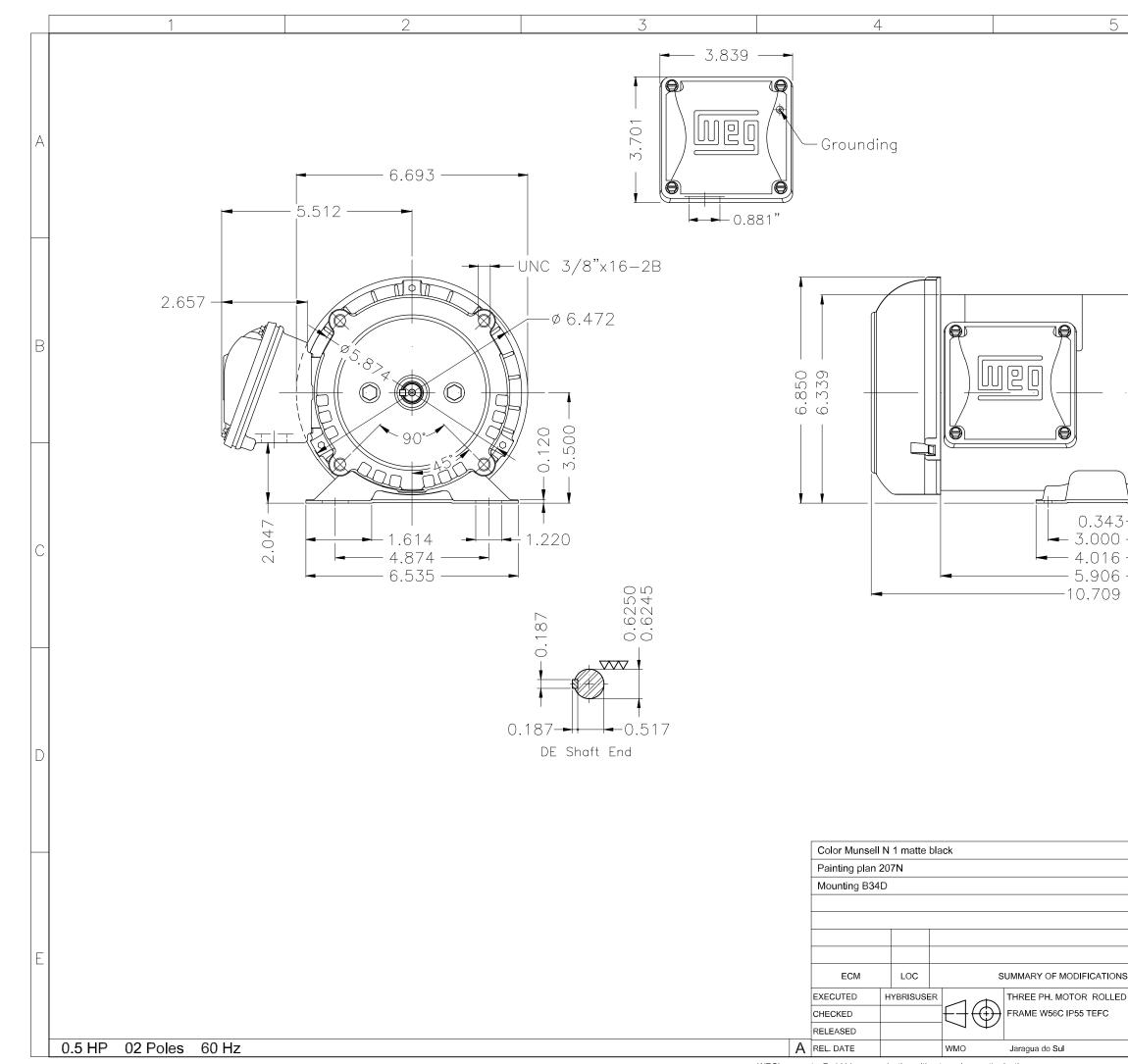
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