DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line	:	W22 Tru	-Metric IE3 Thre	ee-Phase	F	Product code :	12596461		
Frame Insulation class Duty cycle		:	: 90S : F : S1		Cooling method Mounting Rotation ¹		: IC411 - TEFC : B3L(E) : Both (CW and CCW)		
Ambient temperature		:	: -20°C to +40°C : 1000 m.a.s.l.		Starting method		: Direct On Line : 19.8 kg		
Altitude Protection degree Design		:	: 1000 m.a.s.i. : IP55 : N		Approx. weight ³ Moment of inertia (J)		: 0.0020 kgm²		
Dutput [HP]			2		2		2		
Poles			2		2		2		
Frequency [Hz]			50		50		60		
Rated voltage [V]			380		415		230/460		
Rated current [A]			3.22		3.18		5.50/2.75		
L. R. Amperes [A]			24.5		25.4		51.7/25.9		
RC [A]	1		7.6		8.0		9.4		
lo load current [A			1.43		1.80		3.00/1.50		
Rated speed [RPN	1]		2870		2895		3505		
Slip [%]	-1		4.33		3.50		2.64		
Rated torque [kgfn			0.506		0.501		0.414		
ocked rotor torqu			220		260		290		
Breakdown torque Service factor	[70]		250		300		360		
			1.25		1.25		1.25		
Temperature rise			80 K		80 K		80 K		
Locked rotor time Noise level ²			27s (cold) 15s (hot) 62.0 dB(A)		27s (cold) 15s (hot)		28s (cold) 16s (hot) 68.0 dB(A)		
	259	0/_	02.0 UB	(~)		62.0 dB(A)	68	0.0 UD(A)	
	50°		82.0			81.5	81.0		
Efficiency (%)	759		82.0		83.5		81.0		
	100		84.2		84.2		84.0		
	259		04.2		04.2				
Power Factor	509		0.67		0.57		0.61		
	759		0.78		0.70		0.73		
100					0.78		0.80		
Losses at normat		rating poi	ints (sneed-torg	ue) in nerce	ntage of rat	ted output power			
		• •			7.1	17.1		15.5	
					3.1 13.1			11.9	
			P2 (0,5;1,0) P3 (0,25;1,0)		3.4	13.4		12.1	
Losses (%)	-		(0,9;0,5)).4	10.4			
_00000 (70)	F		(0,5;0,5)		0.4 10.4 0.4 6.4		5.8		
	F		(0,5;0,25)		5.0 5.0			4.5	
			(0,25;0,25) 5.				3.1		
				on drive end	Foundatio		1		
Bearing type		•	6205 ZZ	6204 ZZ					
Sealing			V'Ring	V'Ring	Max. compression		: 32 kgf : 52 kgf		
Lubrication interv	'al		-			121 0001011	. 02 Ngi		
Lubricant amount		•							
Lubricant type		:	Mobil Poly	rex EM					
	aces an	d cancel		·	These are	e average values	based on tests v	vith sinusoidal	
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end.					power supply, subject to the tolerances stipulated in NEMA MG-1.				
(3) Approximate v		ubject to	changes after						
manufacturing pro									
	Rev. Changes Summary			mary		Performed	Checked	Date	
(4) At 100% of ful							1		
(4) At 100% of ful Rev.									
(4) At 100% of ful Rev. Performed by			_						
(4) At 100% of ful Rev.			-				Page	Revision	

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Notes

			1	1	
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/01/2024			2/5	

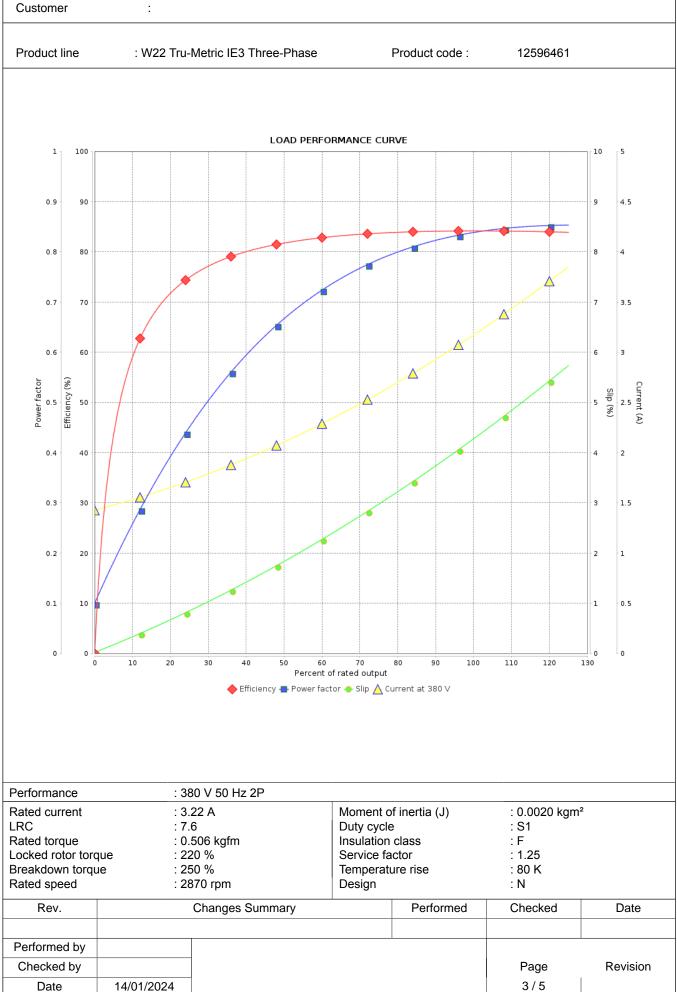
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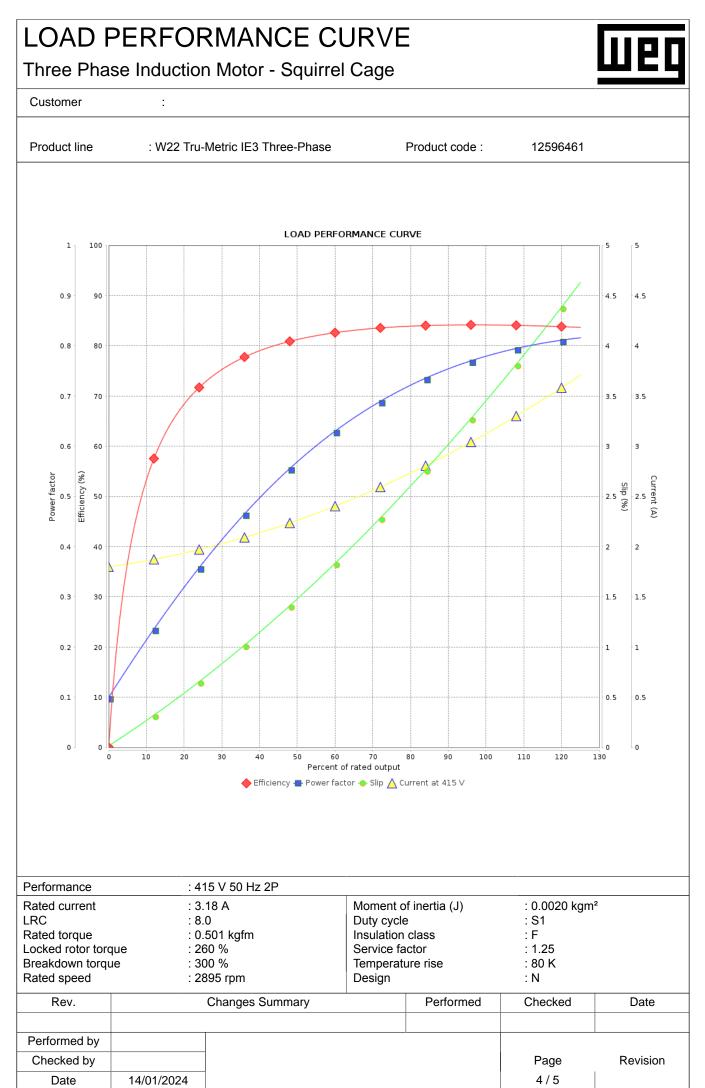
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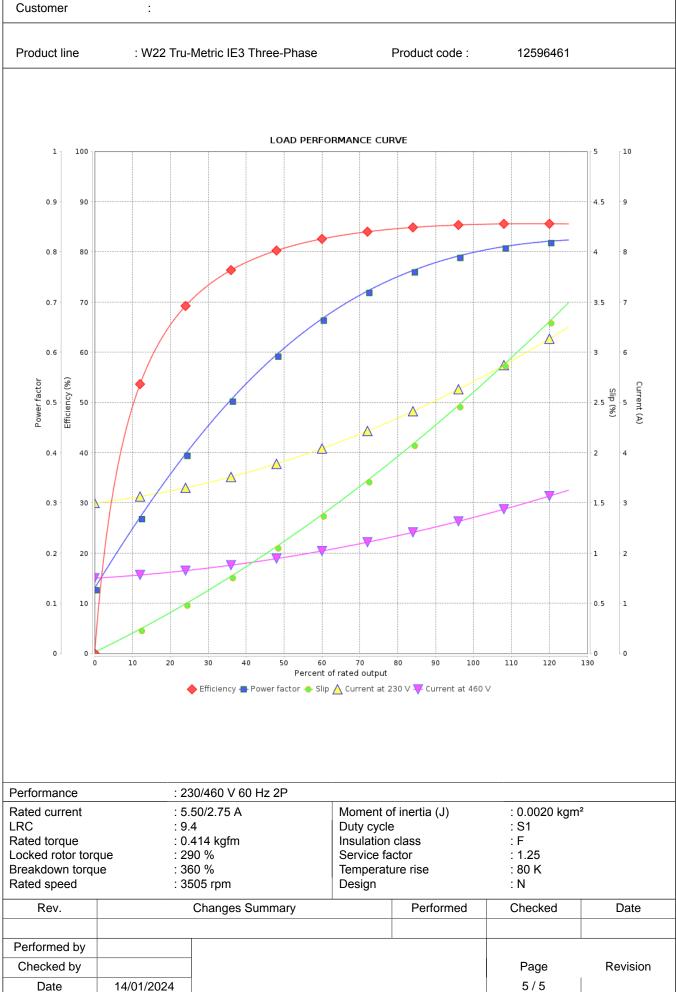
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