DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line			: W22 Tru-Metric	IE3 Three-P	hase Product code :		12739945	12739945	
Frame			: 90L		Cooling method		: IC411 - TE	: IC411 - TEFC	
Insulation class			: F		Mounting	Mounting		: B35L(E)	
Duty cycle			: S1		Rotation		: Both (CW and CCW)		
Ambient temperature			: -20°C to +40°C		Starting method		: Direct On Line		
Altitude			: 1000 m.a.s.l.		Approx. weight ³		: 26.4 kg		
Protection degree	е		: IP55		Moment of inertia (J)		: 0.0066 kg	m-	
Design			: N						
Output [HP]			2		2			2	
Poles			4		4			4	
Frequency [Hz]			50		50			60	
Rated voltage [V]			380		415		230/460		
Rated current [A]			3.22		3.17			66/2.83	
L. R. Amperes [A]			20.9		23.8		47.0/23.5		
LRC [A]	1		6.5		7.5		^	8.3 3.10/1.55	
No load current [A	-		1.55 1435		1.85				
Rated speed [RPN Slip [%]	/I]		4.33		1450			1755 2.50	
Slip [%] Rated torque [kgfn	nl		4.33		3.33		0.827		
Locked rotor torqu			229		280			300	
Breakdown torque			229		300		350		
Service factor	[,,]		1.00		1.00		1.25		
Temperature rise			80 K		80 K			80 K	
Locked rotor time			25s (cold) 14s (hot)		21s (cold) 12s (hot)		25s (cold) 14s (hot)		
Noise level ²			49.0 dB(A)			49.0 dB(A)		49.0 dB(A)	
	25								
Efficiency (%)	50		85.0		83.1		82.5		
Emolency (70)	75		85.3		85.0		85.5		
	100		85.3	85.3		85.6	86.5		
	25		0.00			0.54			
Power Factor	50		0.63		0.54		0.55 0.68		
	75 100		0.75 0.83		0.68 0.77		0.68		
								0.77	
Losses at normati	ive ope				-				
			21 (0,9;1,0)		6.1	15.8		14.6	
			2 (0,5;1,0)		3.3	13.0		12.0	
			3 (0,25;1,0)		3.4	13.1		12.1	
Losses (%)			P4 (0,9;0,5)		.4	9.2		8.5	
			P5 (0,5;0,5)		.6	6.4		5.9	
			6 (0,5;0,25) 7 (0,25;0,25)			3.7		4.7	
		F1			-			5.4	
Bearing type			Drive end N 6205 ZZ	lon drive end 6204 ZZ					
Sealing		:	V'Ring	V'Ring	Max. trac		: 69 kgf : 95 kgf	: 69 kgf : 95 kgf	
Lubrication interv	al	:	v Ring	v King	Max. com	1016221011	. 90 Kgi		
Lubricant amoun		:	-	-					
Lubricant type			Mobil Polyrex EM						
			•	·		·	hard to t	:41 : · · · ·	
This revision repla must be eliminate		nd canc	el the previous of	ne, which		e average values			
(1) Looking the m		m the s	haft end		power supply, subject to the tolerances stipulated in NEMA MG-1.				
(2) Measured at 1				A).	MIC-1.				
(3) Approximate v				<i>,</i> ·					
manufacturing pro	ocess.		č						
(4) At 100% of ful									
Rev.			Changes Summary			Performed	Checked	Date	
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Performed by			_				_		
Checked by							Page	Revision	
Date	24/1	0/2024					1 / 5		

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Notes

					
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	24/10/2024	-		2/5	

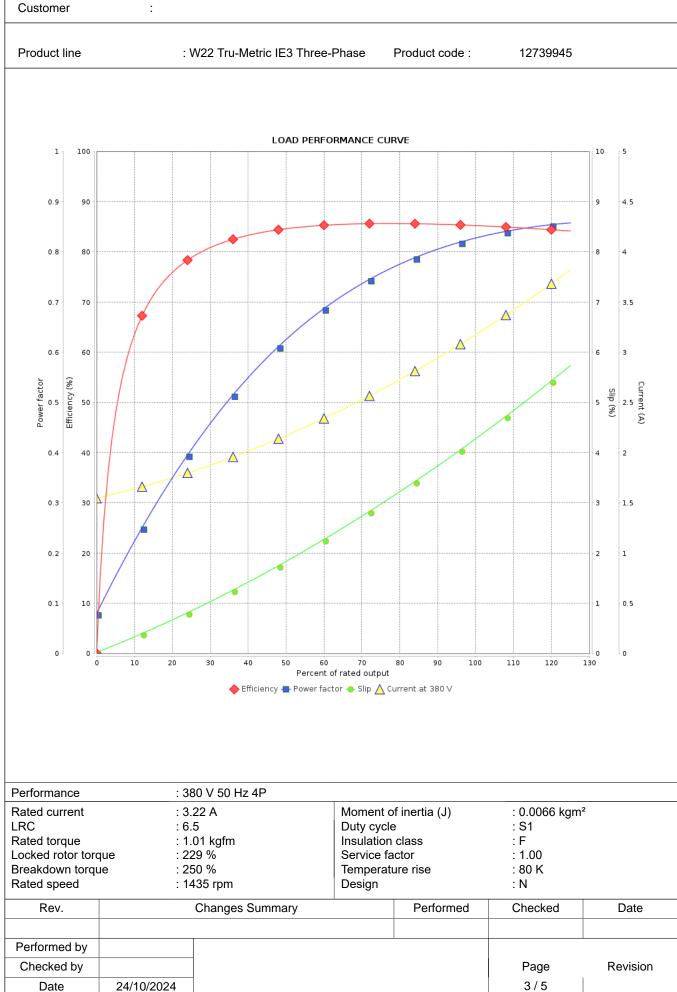
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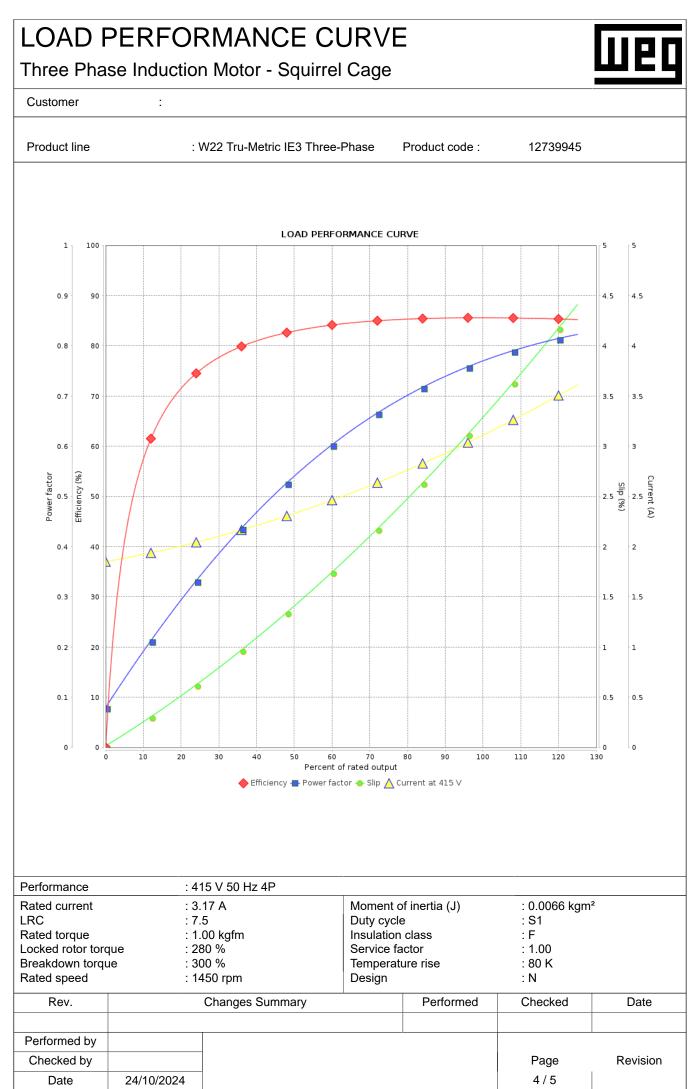
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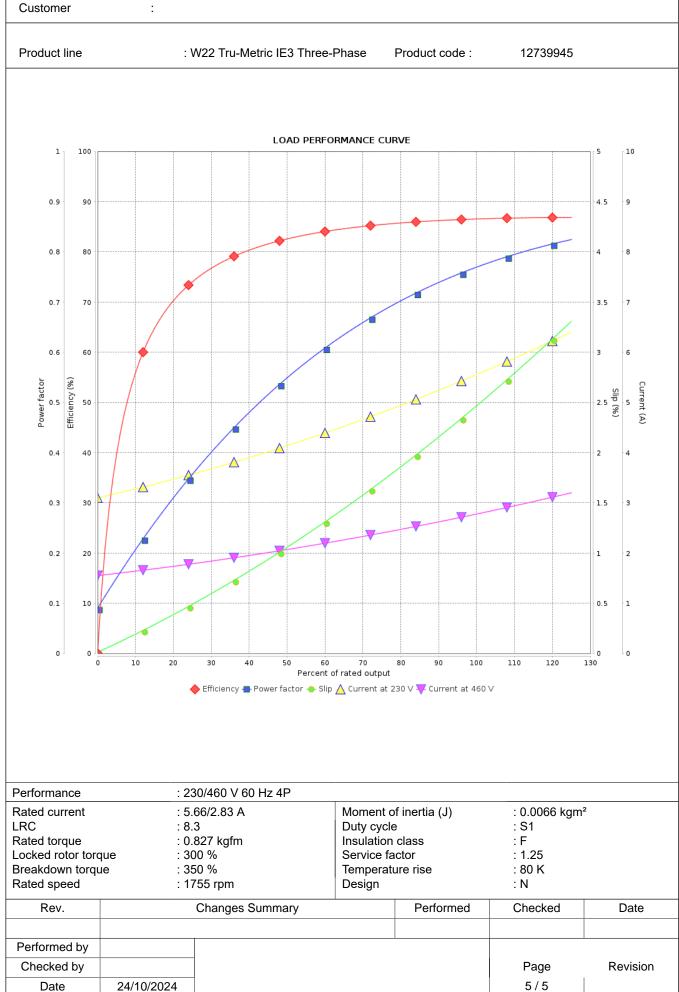
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