DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line : W22			22 Tru-Metric IE3 Three-Phase			Product code :		13092302		
Frame			: 90L			Cooling method		: IC411 - TEFC		
Insulation class			: F		Mounting			: B34L(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		: 24.6 kg			
Protection degree			: IP55		Moment of inertia (J)		: 0.0066 kgm ²			
Design			: N		(-)		5			
Dutput [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		5.66/2.83			
L. R. Amperes [A]			20.9		23.8		47.0/23.5			
.RC [A]			6.5		7.5		8.3			
No load current [A]			1.55		1.85		3.10/1.55			
Rated speed [RPM]	1		1435		1450		1755			
Slip [%]	•		4.33		3.33		2.50			
Rated torque [kgfm]	1		1.01		1.00		0.827			
ocked rotor torque			229		280		300			
Breakdown torque			229		300		350			
Service factor	[/0]				1.25		1.25			
			1.25 80 K							
Temperature rise				la (hat)	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 d	В(А)	
	25%									
Efficiency (%)	50%		85.0		83.1		82.5			
	75%		85.3 85.3		85.0		85.5			
	1009				85.6		86.5			
	50%		0.63		0.54		0.55			
Power Factor										
-	75% 100%		0.75 0.83		0.68		0.68			
Losses at normativ				ue), in perce	ntage of rat		I			
		P1 (0,9;1,0)			5.1	15.8		14.6		
			2 (0,5;1,0)		3.3	13.0			12.0	
			3 (0,25;1,0)		3.3 3.4	13.0			12.0	
$\int \partial c c c c c \left(\frac{0}{2} \right)$	\vdash				.4 .4	9.2				
Losses (%)	\vdash		4 (0,9;0,5)						8.5	
			5 (0,5;0,5)		.6	6.4			5.9	
	L				.2	5.0			4.7	
		P7	(0,25;0,25)		.8	3.7			3.4	
Dooring the -				on drive end						
Bearing type		-	6205 ZZ	6204 ZZ	Max. traction		: 70 kgf			
Sealing		:	: V'Ring V'Ring		Max. compression		: 94 kgf			
Lubrication interva		:	:							
Lubricant amount		:	-	-						
Lubricant type			Mobil Poly	rex EM						
This revision repla must be eliminated		d cance	el the previous on	ie, which		e average values				
(1) Looking the mo		n the s	haft end		MG-1.	power supply, subject to the tolerances stipulated in NEMA				
(2) Measured at 1r				.)						
(3) Approximate w				·/·						
(3) Approximate with manufacturing prov (4) At 100% of full	cess.	2010011	e shanges alter							
Rev.		Changes Summary				Performed	Checke	ed	Date	
				,						
Performed by										
-							Daga		Revision	
Performed by Checked by	14/01		_				Page 1 / 5	1	Revision	

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Customer

Notes

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

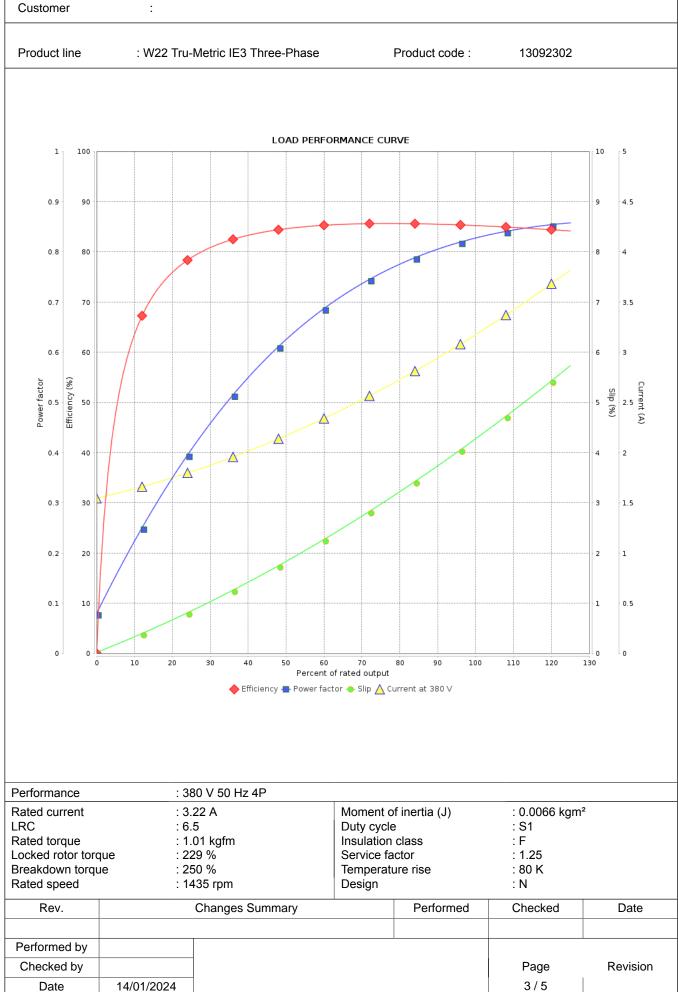
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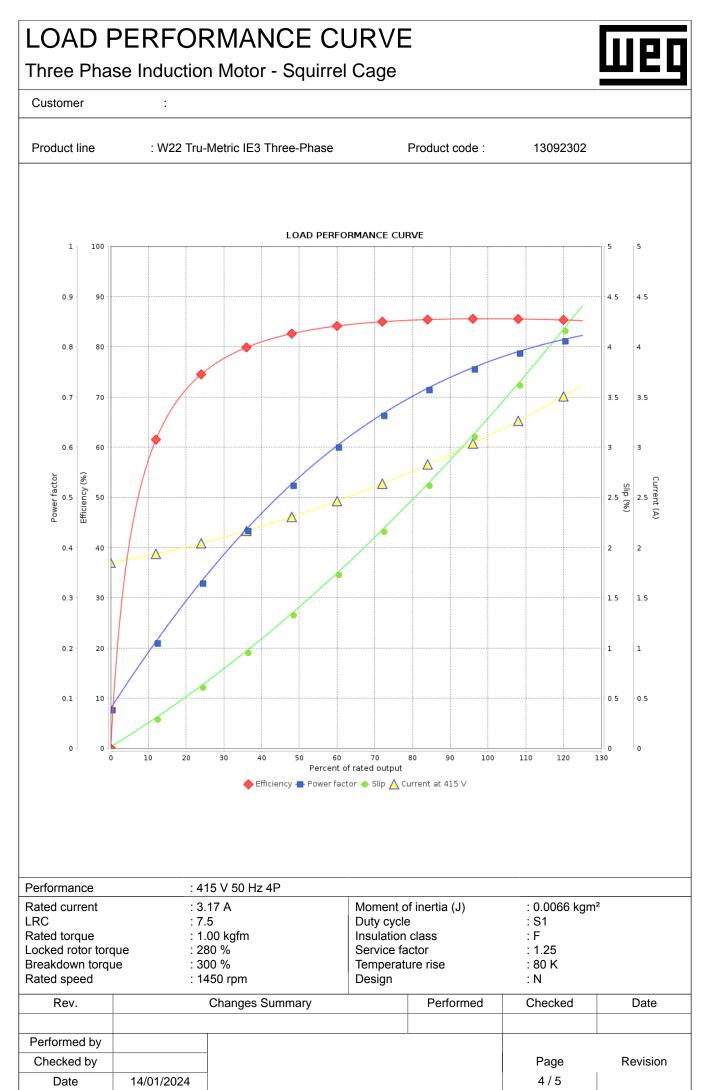
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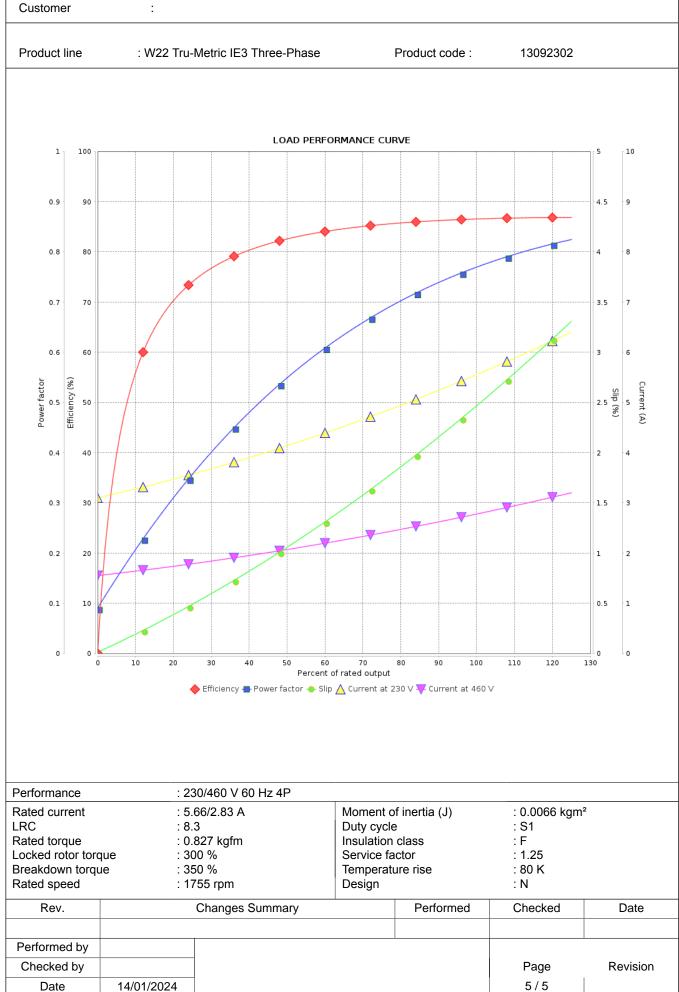
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