DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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	: W	/22 Tru-Metric IE3 Thr	ree-Phase	Pr	roduct code :	13246835		
Frame Insulation class		: 200L : F		Cooling method Mounting		: IC411 - TEFC : B3L(E)		
Duty cycle		: S1		Rotation ¹		: 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		: 261 kg	
Protection degree	Э		: IP55		Moment of inertia (J)		: 0.3468 kgm²	
Design		: N						
Output [HP] Poles		40	40		40		40	
Frequency [Hz]		•	50		50		60	
Rated voltage [V]			380		415		230/460	
Rated current [A]			58.0		55.7		98.8/49.4	
L. R. Amperes [A]		423	423		457		909/454	
.RC [A]		7.3			8.2		9.2	
lo load current [A]		24.5			27.0	5	1.0/25.5	
Rated speed [RPM			1480		1485		1785	
Slip [%]	-	1.33	1.33		1.00		0.83	
Rated torque [kgfm			19.6		19.5		16.3	
ocked rotor torqu			250		310		340	
Breakdown torque	[%]		280		310		350	
Service factor			1.25		1.25		1.25	
Temperature rise			80 K		80 K		80 K	
Locked rotor time			19s (cold) 11s (hot)		16s (cold) 9s (hot)		23s (cold) 13s (hot)	
Noise level ²	25%	63.0 dE	3(A)	63	3.0 dB(A)	66	6.0 dB(A)	
	50%	93.4	ŀ	92.8		92.6		
Efficiency (%)	75%	93.7			93.3		93.7	
	100%	93.6	3	93.6			94.1	
	25%			0.00			0.62	
Power Factor	50%	0.69			0.60		0.63	
	75% 100%	0.79		0.72		0.75		
Losses at normati		ting points (speed;tore		ntage of rate		1		
		P1 (0,9;1,0)		.6	6.6		6.0	
		P2 (0,5;1,0)		.1 5.1			4.7	
		P3 (0,25;1,0)	4		4.7		4.3	
Losses (%)		P4 (0,9;0,5)		.9	3.9	3.5		
		P5 (0,5;0,5)	2	.5	2.5		2.3	
		P6 (0,5;0,25)		.9	1.9		1.8	
		P7 (0,25;0,25)		.3	1.3		1.2	
			Non drive end 6212 C3					
Pooring type		: 6312 C3		Max. traction		: 585 kgf		
Bearing type	Sealing		V'Ring V'Ring		Max. compression		: 846 kgf	
Sealing	al	. 00000 L	20000 -					
Sealing Lubrication interv		: 20000 h	20000 h					
Sealing Lubrication interv Lubricant amount		: 21 g	13 g					
Sealing Lubrication interv Lubricant amoun Lubricant type	t	: 21 g : Mobil Pol	13 g Iyrex EM					
Sealing Lubrication interv Lubricant amoun Lubricant type This revision repla	t aces and	: 21 g	13 g Iyrex EM	These are	average values			
Sealing Lubrication interv Lubricant amoun Lubricant type This revision repla must be eliminate	t aces and d.	: 21 g : Mobil Pol	13 g Iyrex EM	These are power sup	average values ply, subject to the			
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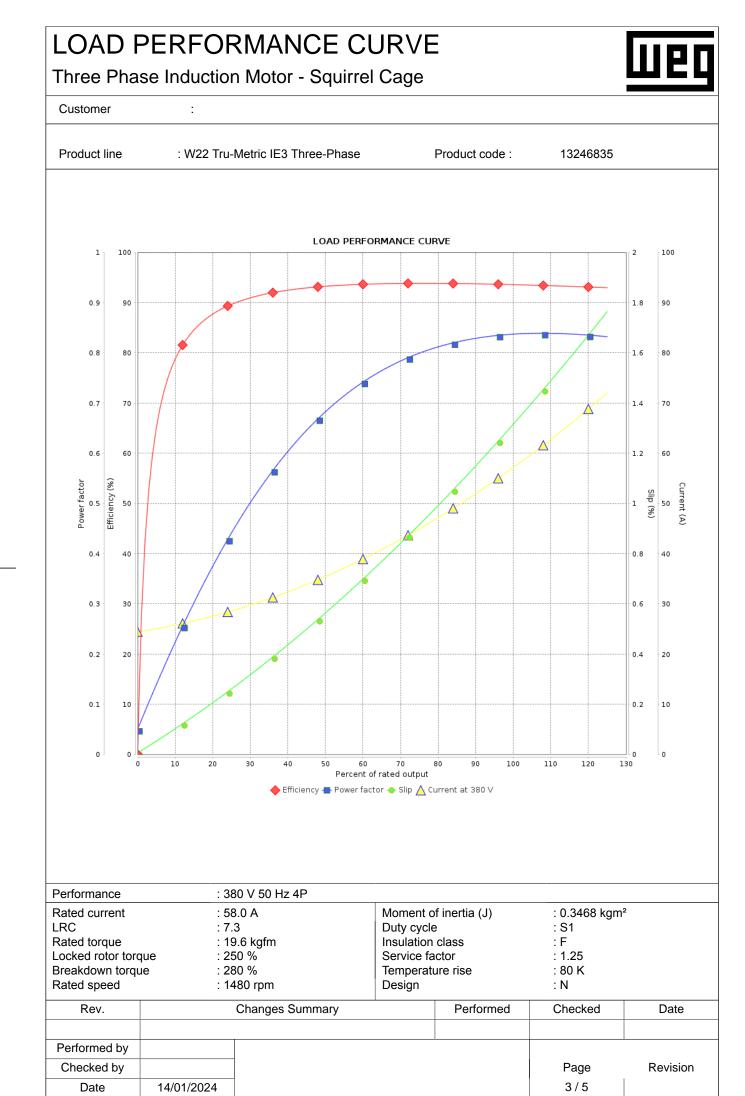
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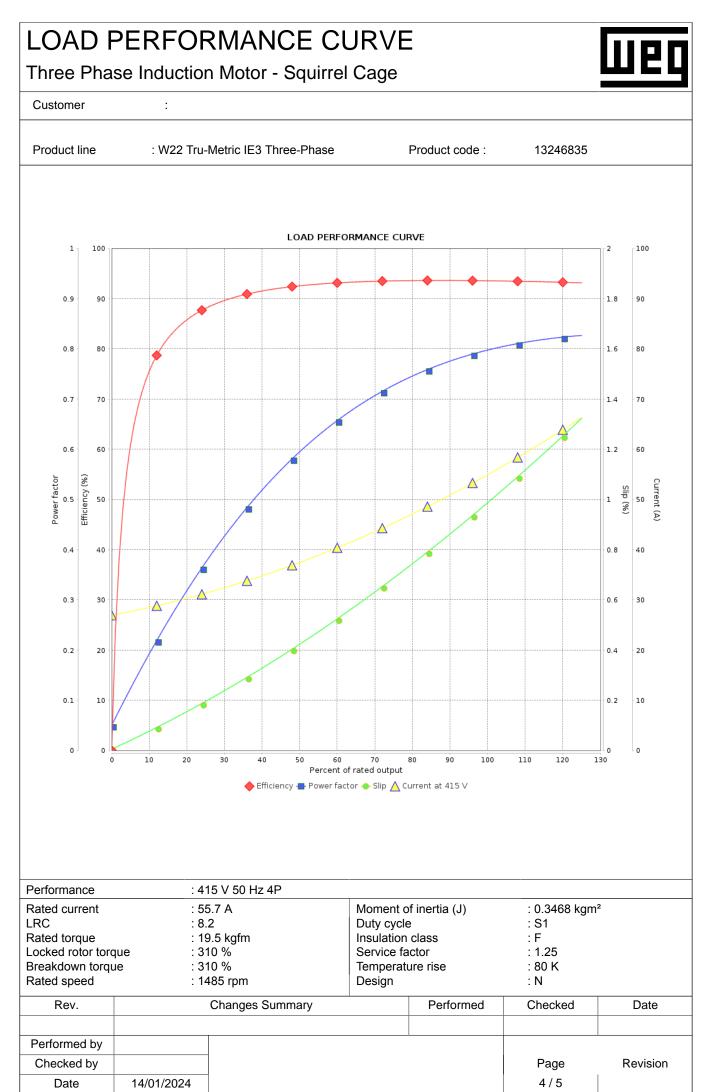
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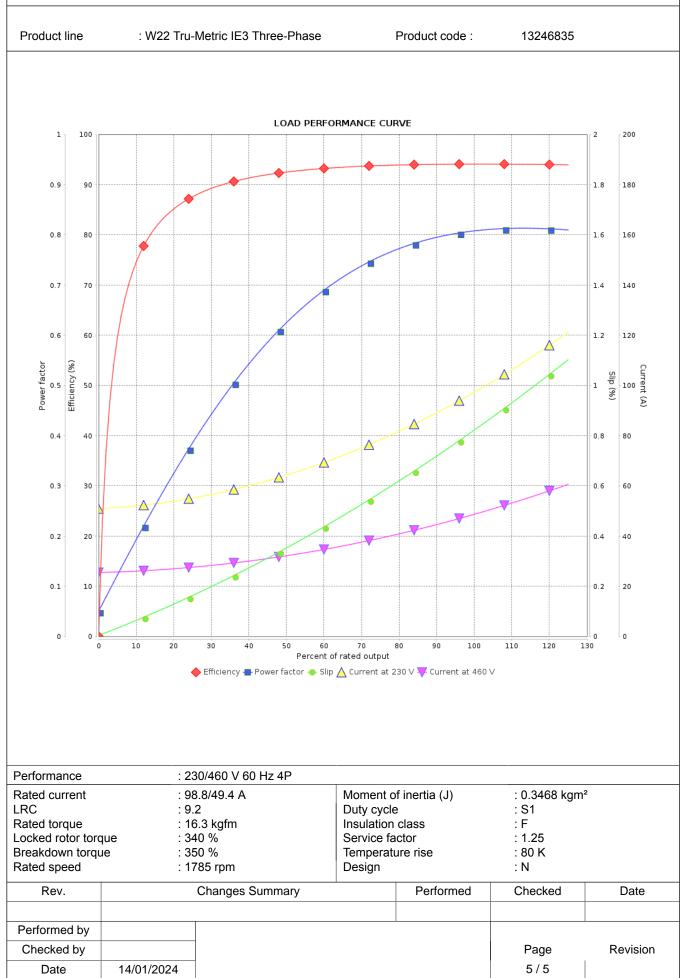
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