DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: W2	2 Tru-Metric IE3 Thre	e-Phase	P	roduct code :	12791900		
Frame Insulation class Duty cycle Ambient temperature Altitude		: 225S/M : F : S1 : -20°C to +40°C : 1000 m.a.s.l.		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		: IC411 - TEFC : B3L(E) : Both (CW and CCW) : Direct On Line : 429 kg		
Protection degree Design		: IP55 : N		Moment of inertia (J)		: 0.9559 kgm ²		
Output [HP]		40		40			40	
Poles		6		6			6	
Frequency [Hz]		50 380		50 415		60 230/460		
Rated voltage [V] Rated current [A]		57.3		53.4			95.2/47.6	
L. R. Amperes [A]		424		438			809/405	
L. R. Amperes [A] LRC [A]		7.4		8.2		8.5		
No load current [A]		20.6		23.3		4	41.8/20.9	
Rated speed [RPM]		984			987		1188	
Slip [%]		1.60			1.30		1.00	
Rated torque [kgfn		29.5	29.5		29.4		24.4	
ocked rotor torqu		200		250			270	
Breakdown torque	[%]	240			290		300	
Service factor			1.25		1.25		1.25	
Temperature rise		80 K	• /1 / /		80 K		80 K	
Locked rotor time			30s (cold) 17s (hot)		30s (cold) 17s (hot)		50s (cold) 28s (hot)	
Noise level ²	25%	63.0 dB(A)	6	3.0 dB(A)	66	.0 dB(A)	
Efficiency (%)	25% 50%	91.0		91.0		91.7		
	75%	93.8		94.0		91.7		
	100%	93.6		94.0		94.1		
Power Factor	25%	00.0		57.2			01.1	
	50%	0.73		0.67			0.67	
	75%	0.81			0.78		0.78	
	100%	0.85		0.83		0.84		
Losses at normat	ve operatir	ng points (speed;torq	ue) in perce	ntage of rate	d output power			
Loodoo at normat		P1 (0,9;1,0)		.5	5.8		5.9	
		P2 (0,5;1,0)			.9 4.4		4.5	
		P3 (0,25;1,0)			.3 3.9		4.0	
Losses (%)		P4 (0,9;0,5) P5 (0,5;0,5)		.6 3.3			3.3	
				.2	2.0		2.0	
		P6 (0,5;0,25)		.6	1.5		1.5	
		P7 (0,25;0,25)		.0	0.9		0.9	
			on drive end	Foundation	n loads			
Bearing type Sealing Lubrication interval Lubricant amount		: 6314 C3 : WSeal : 17000 h : 27 g	WSeal WSeal 17000 h 17000 h		Max. traction Max. compression		: 609 kgf : 1038 kgf	
Lubricant type			Mobil Polyrex EM					
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from th m and with veight subje ocess.	ancel the previous on ne shaft end. n tolerance of +3dB(A ect to changes after			average values ply, subject to the			
Rev.					Performed	Checked	Date	
Performed by								

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Notes

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

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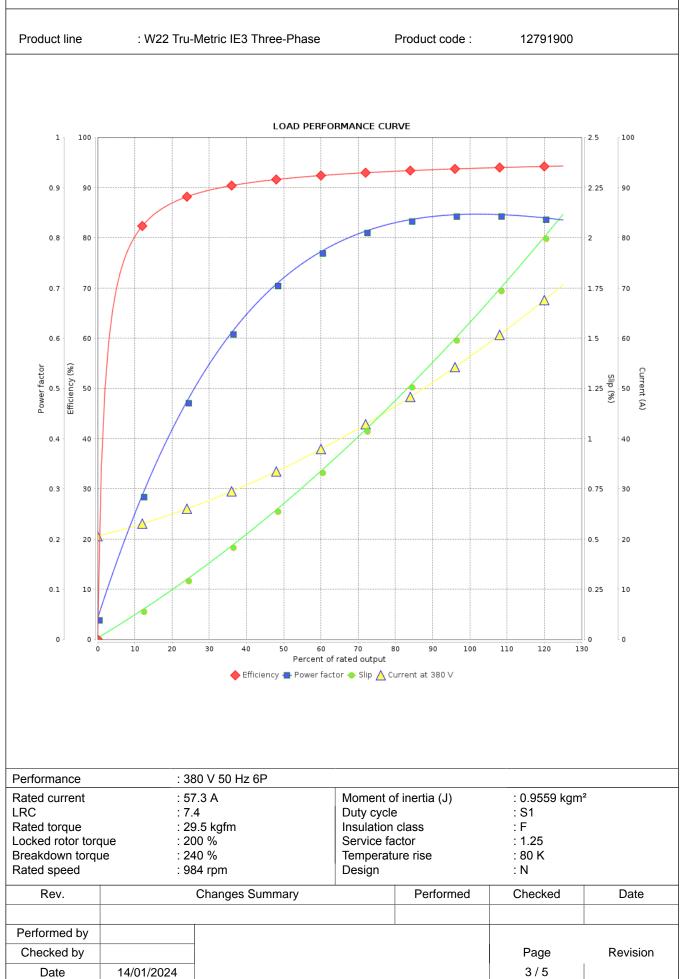
LOAD PERFORMANCE CURVE

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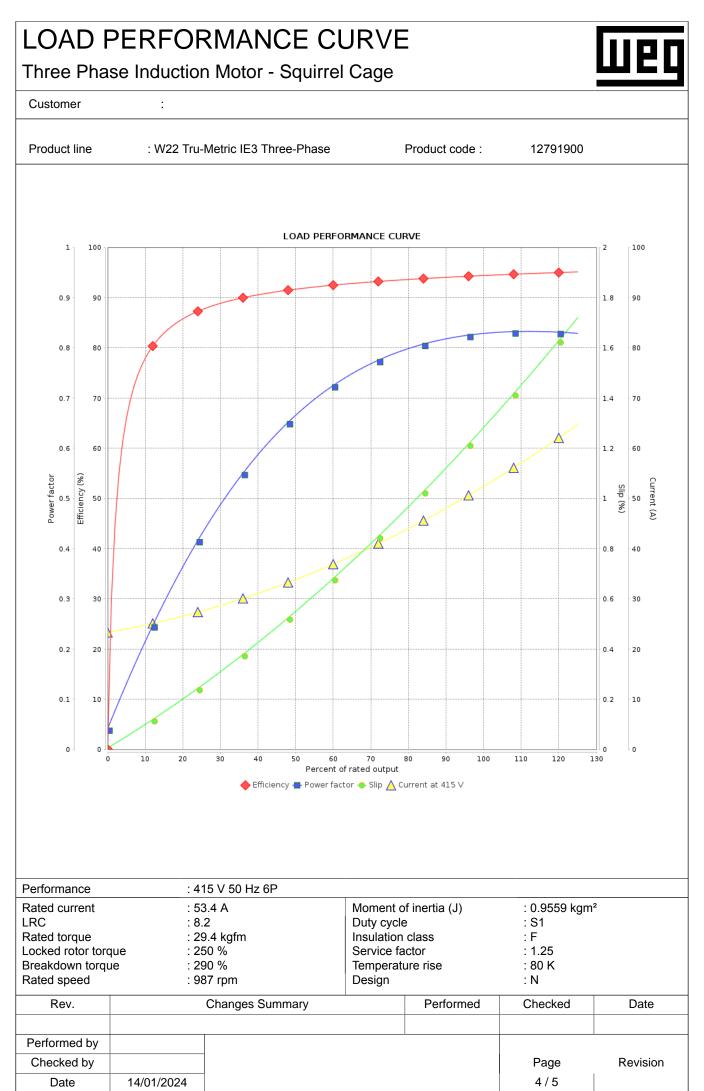


Customer



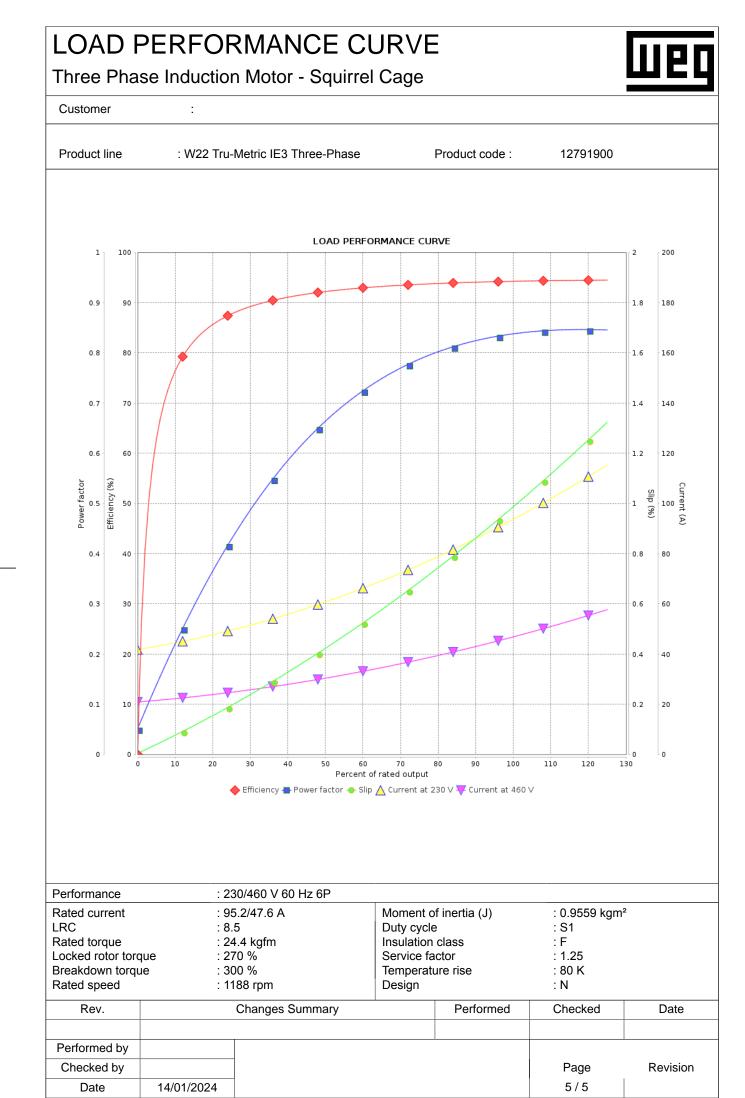
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