DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line	: W	V22 Tru-Metric IE3	Three-Phase		Product code :	12604517		
Frame		: 90L		Cooling method		: IC411 - TEFC		
Insulation class		: F			g	: B3L(E)		
Duty cycle		: S1		Rotatior		: Both (CW and CCW)		
Ambient temperature			: -20°C to +40°C		method	: Direct On Line		
Altitude			: 1000 m.a.s.l.		weight ³	: 23.8 kg		
Protection degree	Э		: IP55		t of inertia (J)	: 0.0066 kgm²		
Design		: N						
Output [HP]			2		2	2		
Poles			<u>4</u> 50		<u>4</u> 50		4 60	
Frequency [Hz] 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		
LRC [A]			6.5		7.5	8.3		
No load current [A			1.55		1.85	3.	10/1.55	
Rated speed [RPN			1435		1450	1755		
Slip [%]	-		4.33		3.33	2.50		
Rated torque [kgfn		1	1.01		1.00	0.827		
ocked rotor torqu	e [%]		229		280	300		
Breakdown torque	[%]		250		300	350		
Service factor			1.25		1.25	1.25		
Temperature rise			80 K		80 K	80 K		
Locked rotor time			25s (cold) 14s (hot)		(cold) 12s (hot)	25s (cold) 14s (hot)		
Noise level ²	0.50) dB(A)		49.0 dB(A)	49	.0 dB(A)	
	25%		5.0		00.4			
Efficiency (%)	50% 75%		35.0 35.3		83.1 85.0		82.5 85.5	
	100%		35.3 35.3	85.0		85.5		
	25%			00.0				
	50%).63		0.54		0.55	
Power Factor	75%).75		0.68		0.68	
10			0.83		0.77	0.77		
Losses at normati	ve opera	ating points (speed;	torque), in perce	entage of ra	ited output power			
		P1 (0,9;1,0)		6.1	15.8		14.6	
		P2 (0,5;1,0)			13.0		12.0	
		P3 (0,25;1,0)		3.4	13.1		12.1	
Losses (%)		P4 (0,9;0,5)		9.4	9.2	8.5		
. ,		P5 (0,5;0,5)		5.6	6.4		5.9	
		P6 (0,5;0,25)	5	5.2	.2 5.0		4.7	
		P7 (0,25;0,25)	3	3.8	3.7		3.4	
		Drive end	Non drive end	I Foundat	on loads			
Bearing type		: 6205 ZZ		Max. traction		: 70 kgf		
Sealing		: V'Ring	V'Ring V'Ring		npression	: 94 kgf	: 94 kgf	
Lubrication interval		: -						
Lubricant amount Lubricant type		: - Mobil	: : Mobil Polyrex EM					
This revision repla	cancel the previou	is one, which	These are average values based on tests with sinusoidal					
must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A).					power supply, subject to the tolerances stipulated in NEMA			
				MG-1.				
(3) Approximate v manufacturing pro		bject to changes af	lei					
(4) At 100% of ful								
			nges Summary		Performed	Checked	Date	
						<u> </u>	1	
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Performed by								
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Notes

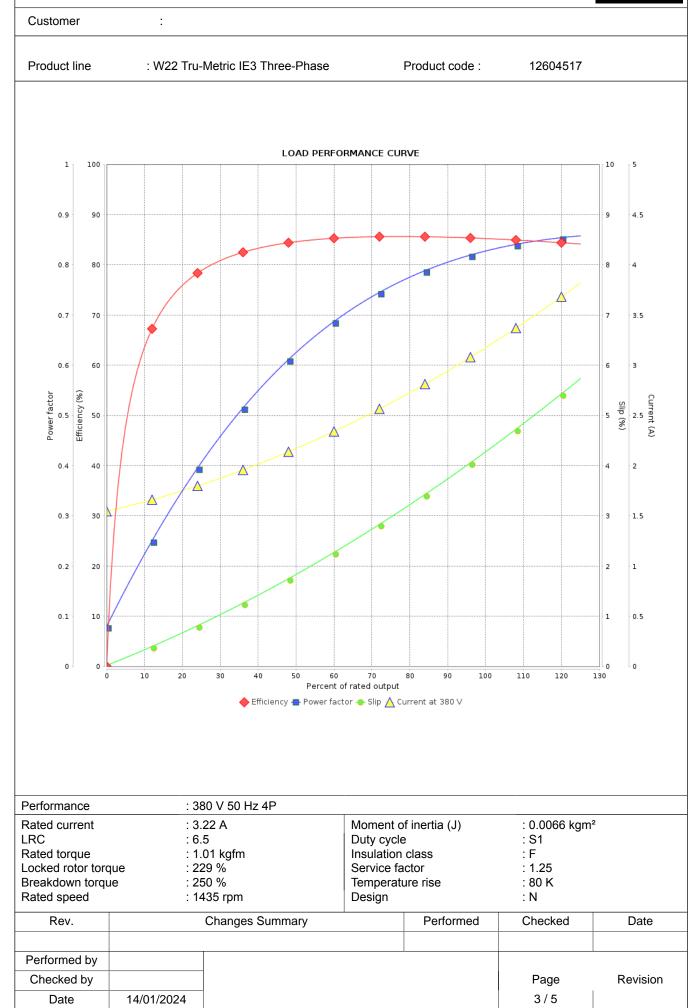
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Rev.		Changes Summary	Performed	Checked	Date
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Checked by				Page	Revision
Date	14/01/2024			2/5	

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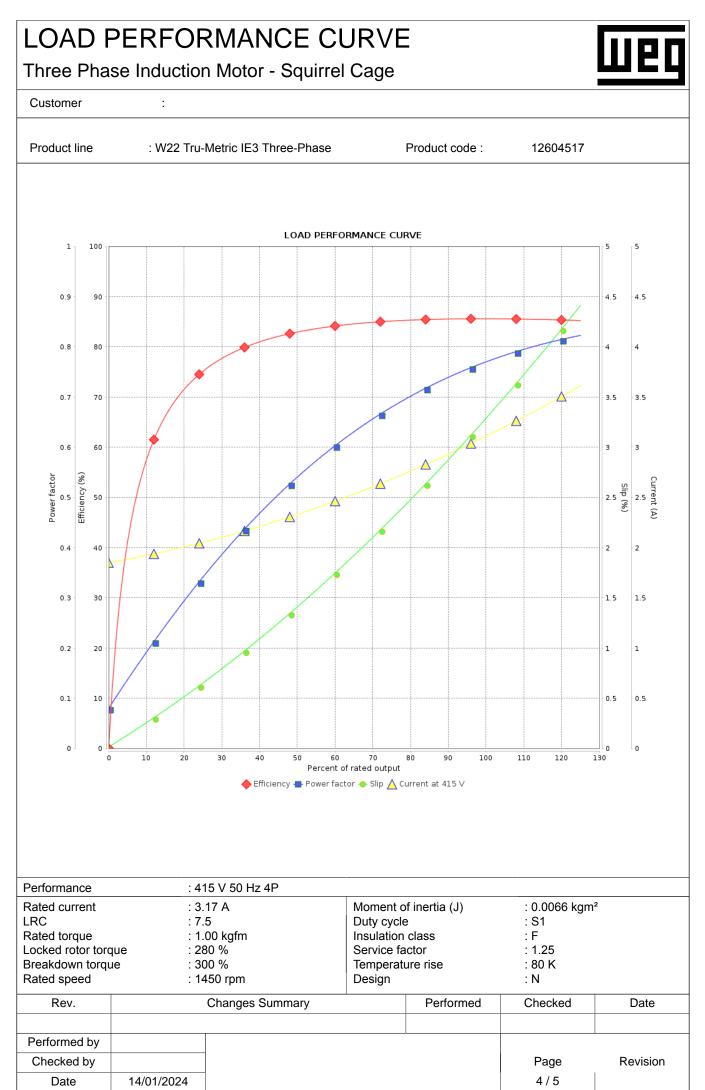


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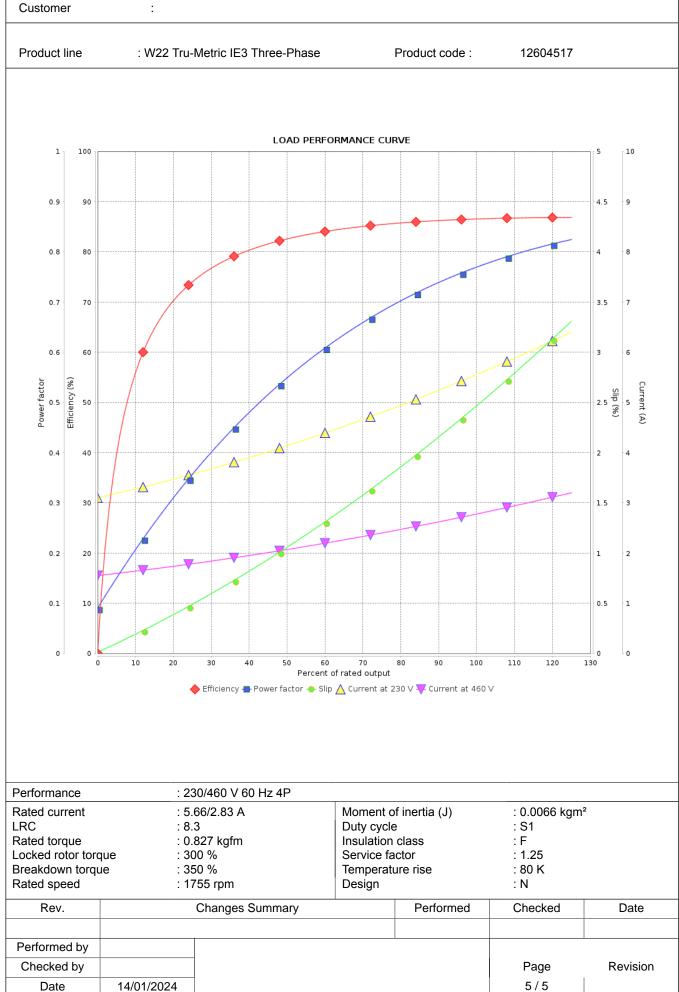


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