DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		2 Tru-Metric IE3 Thre		, ,	roduct code :	12596563		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 160M : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: B3L(E) : Both (CW : Direct On : 129 kg	: Both (CW and CCW) : Direct On Line	
Output [HP]		15		15			15	
Poles		2		2		2		
Frequency [Hz]		50		50			60	
Rated voltage [V]		380		415			230/460	
Rated current [A]		21.1		20.2			35.8/17.9	
L. R. Amperes [A]			158		172		322/161	
LRC [A]			7.5		8.5		9.0	
No load current [A			7.60		9.00		16.0/8.00	
Rated speed [RPN	/]		2950		2955		3560	
Slip [%]	<u> </u>		1.67		1.50		1.11	
Rated torque [kgfn			3.69		3.68		3.06	
Locked rotor torqu			240		300		330	
Breakdown torque	[%]		310		370		400	
Service factor		1.25			1.25		1.25	
Temperature rise			80 K		80 K		80 K	
Locked rotor time Noise level ²			21s (cold) 12s (hot) 67.0 dB(A)		19s (cold) 11s (hot) 67.0 dB(A)		23s (cold) 13s (hot) 72.0 dB(A)	
	25%			C		12		
	50%	90.7		89.9			89.5	
Efficiency (%)	75%	90.7		91.3			91.0	
	100%	91.2		91.4			91.7	
	25%			т.т Т				
Power Factor	50%	0.74		0.65			0.68	
	75%	0.83		0.77			0.79	
	100%	0.87		0.83		0.84		
Losses at normat	ive operativ	ng points (speed;torq	(IIIA) in norce	ntage of rot		1		
		P1 (0,9;1,0)		.0	8.8		8.4	
		P2 (0,5;1,0)					6.1	
		P3 (0,25;1,0)		.8	5.7		5.5	
Losses (%)		P4 (0,9;0,5)		.7	5.6		5.4	
_00000 (70)		P5 (0,5;0,5)		.3	3.2		3.1	
		P6 (0,5;0,25)					2.4	
		P7 (0,25;0,25)		.6	1.5		1.5	
	I		lon drive end	1		I	-	
Bearing type		: 6309 C3	6209 C3	Max. tract		· 107 kaf	: 127 kgf	
Sealing		: V'Ring	14		Max. compression		: 257 kgf	
Lubrication interval		: 19000 h					og.	
Lubricant amount		: 13 g						
Lubricant type		: Mobil Poly						
		ancel the previous or	ie, which		These are average values based on tests with sinusoidal			
must be eliminated. (1) Looking the motor from the shaft end.			power sup MG-1.	power supply, subject to the tolerances stipulated in NEMA				
		ne shart end. n tolerance of +3dB(A	1)	1010-1.				
			vy.					
(3) Approximate v								
(3) Approximate v manufacturing pro	1 10au.	Changes Summary			Performed	Checked	Date	
	110au.	Changes Sum	mary		Penomed	Chicolica	Date	
(3) Approximate v manufacturing pro (4) At 100% of ful		Changes Sum	mary		Penoimea	Chooked	Date	
(3) Approximate v manufacturing pro (4) At 100% of ful		Changes Sum	mary		Penormea		Date	
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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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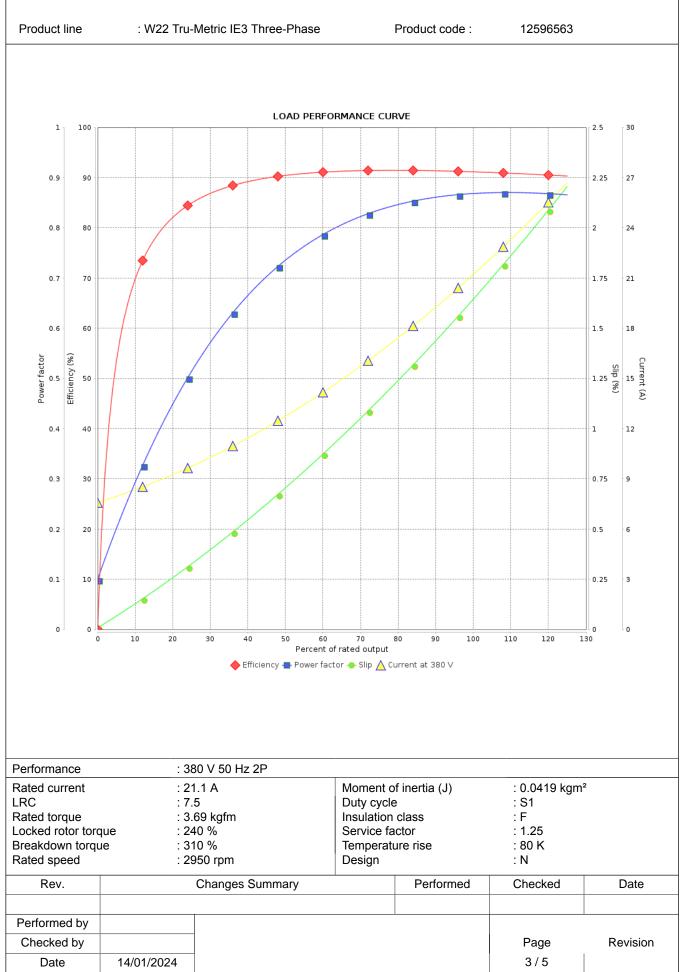
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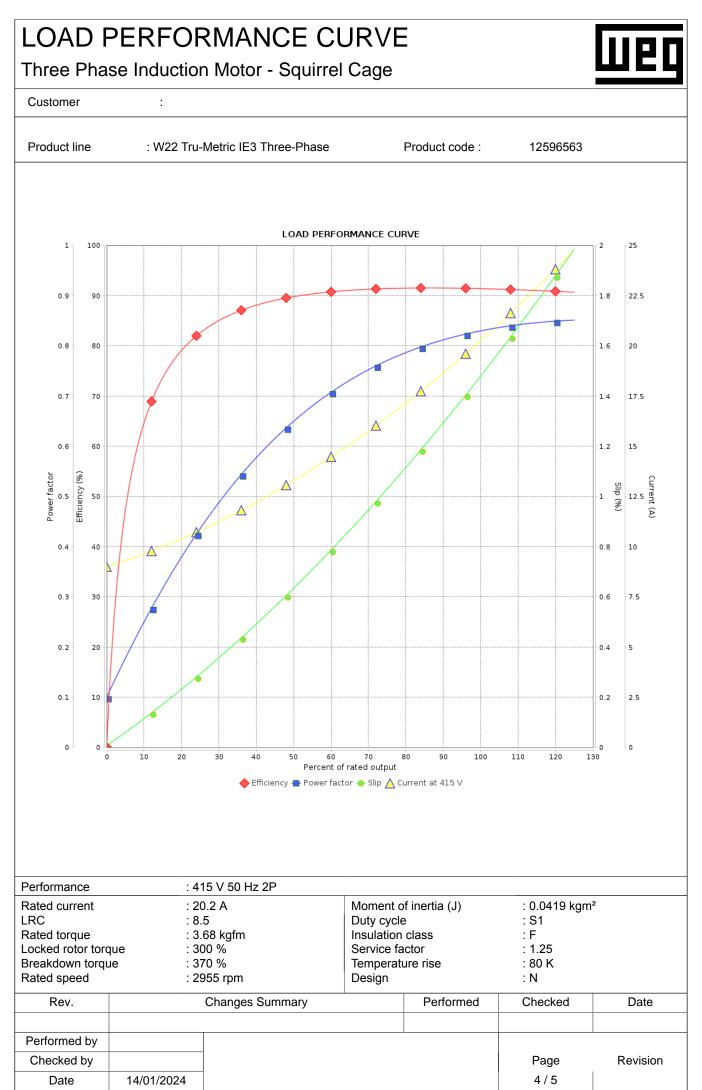
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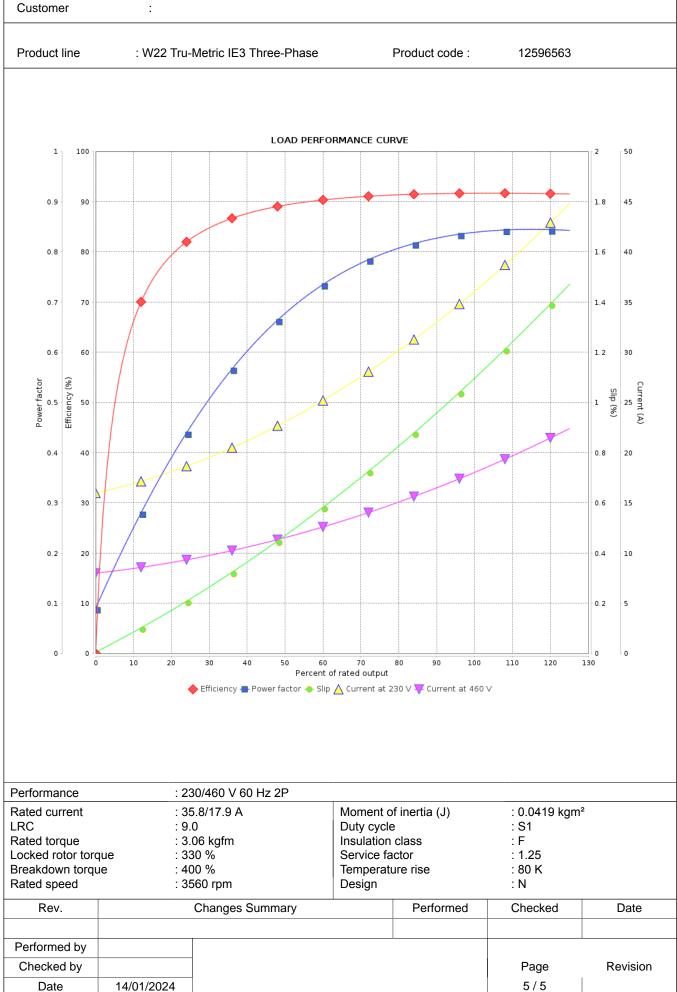


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