DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line	. ••2		ee-Phase		Product code :	13029969		
Frame Insulation class Duty cycle Ambient temperature Altitude		: 112M : F : S1 : -20°C to +40°C : 1000 m.a.s.l.	: F : S1 : -20°C to +40°C		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		: IC411 - TEFC : B3L(E) : Both (CW and CCW) : Direct On Line : 42.8 kg	
Protection degree Design		: IP55 : N	: IP55		Moment of inertia (J)		: 0.0080 kgm ²	
Output [HP]		5.5			5.5		5.5	
Poles			2		2		2	
Frequency [Hz]			50		50		60	
Rated voltage [V]			380 7.83		415 7.49		230/460 13.3/6.67	
Rated current [A]			60.3		63.7		127/63.4	
L. R. Amperes [A]					8.5		9.5	
LRC [A] No load current [A]		2.80	7.7				5.80/2.90	
Rated speed [RPM		2.80			3.30		3515	
Slip [%]	<u>יי</u>	3.67			2910 3.00		2.36	
Rated torque [kgfn		1.38			1.37		1.14	
Locked rotor torque		229			280		280	
Breakdown torque		310			380		440	
Service factor	r,1	1.25			1.25		1.25	
Temperature rise		80 K			80 K		80 K	
Locked rotor time			25s (cold) 14s (hot)		25s (cold) 14s (hot)		cold) 16s (hot)	
Noise level ²			64.0 dB(A)		64.0 dB(A)		4.0 dB(A)	
	25%							
Efficiency (0/)	50%	88.0			87.5	85.5		
Efficiency (%)	75%	88.2			88.0		87.5	
	100%	88.2		88.4		88.5		
Power Factor	25%							
	50%	0.73			0.65		0.67	
	75%		0.83		0.77		0.79	
	100%	0.88			0.84		0.85	
Losses at normat	ve operat	ing points (speed;torc	que), in perce	ntage of rat	ted output power			
		P1 (0,9;1,0)		12.6 12.4		12.3		
		P2 (0,5;1,0)			9.7	9.6		
		P3 (0,25;1,0)		.6	9.5	9.4		
Losses (%)		P4 (0,9;0,5)		.3	7.1		7.0	
		P5 (0,5;0,5)		.5	4.4		4.4	
		P6 (0,5;0,25)		.3	3.2		3.2	
		P7 (0,25;0,25)		.2	2.1		2.1	
			lon drive end	Foundatio	on loads			
Bearing type		: 6207 ZZ	6206 ZZ	Max. traction		: 83 kgf		
Sealing	. – 1	: V'Ring	V'Ring V'Ring		Max. compression		: 126 kgf	
Lubrication interval		-						
Lubricant amount Lubricant type		: - Mahil Dal	 Mobil Polyrex EM					
This revision repla must be eliminate	d.	cancel the previous or	ne, which		e average values pply, subject to the			
(1) Looking the m		th tolerance of +3dB(A	4).					
(3) Approximate v manufacturing pro	veight sub							
(2) Measured at 1(3) Approximate v	veight sub	Changes Sum	nmary		Performed	Checked	Date	
(2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	veight sub	· · ·	nmary		Performed	Checked	Date	
 (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful 	veight sub	· · ·	nmary		Performed	Checked	Date	
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Customer

Notes

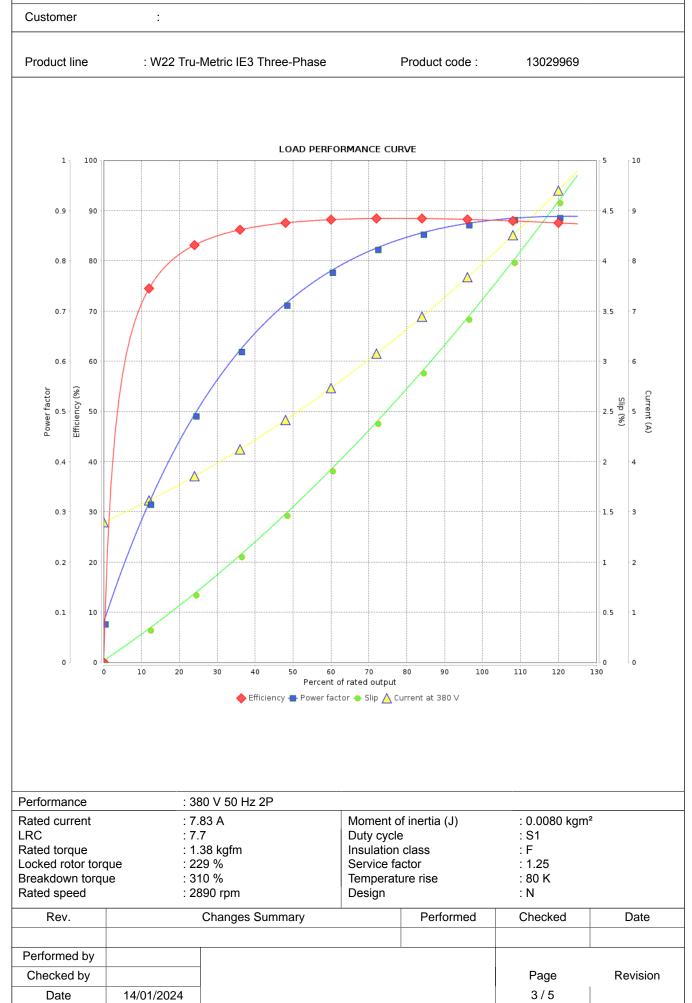
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Rev.		Changes Summary	Performed	Checked	Date
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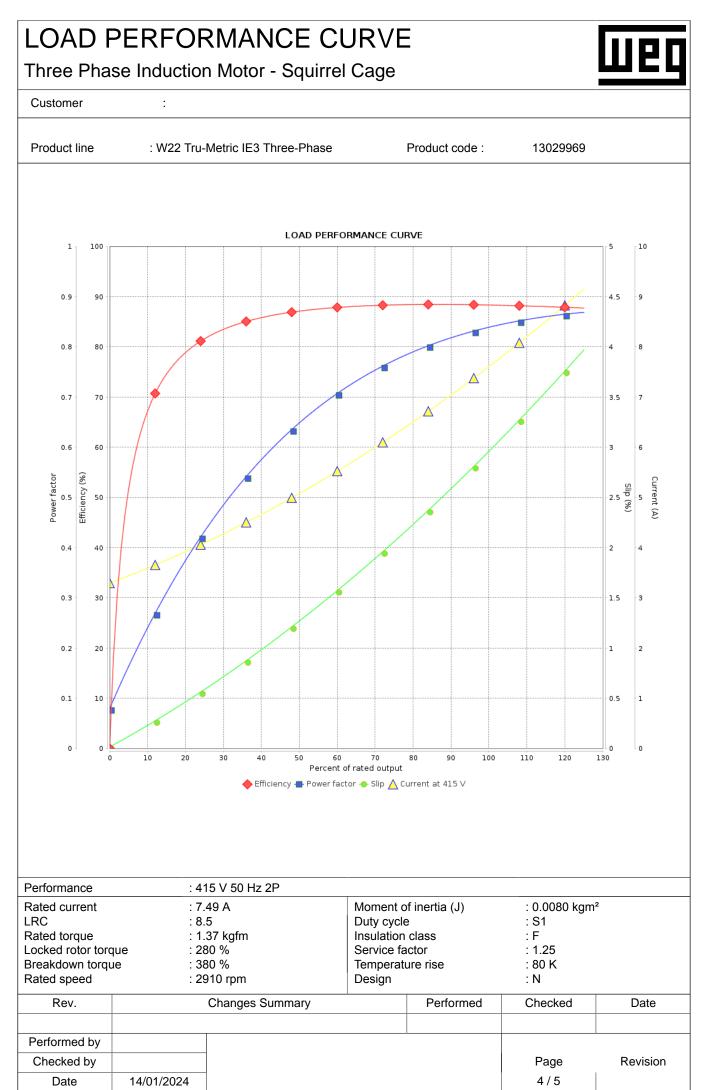


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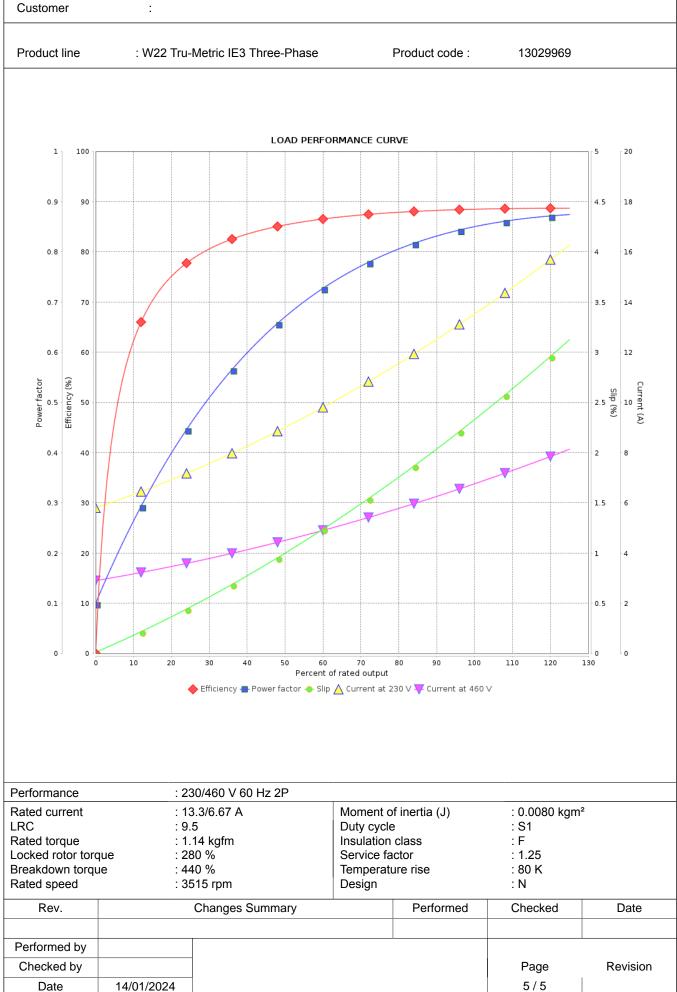
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