DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line		: W22 Tru-Metric	: IE3 Three-Phas	se Pr	oduct code :	12645345		
Frame Insulation class Duty cycle Ambient temperature Altitude		: 160M : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55	M F S	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : B3L(E) : Both (CW and CCW) : Direct On Line : 139 kg		
Protection degree Design		: IP55 : N	N.	vioment o	f inertia (J)	: 0.1004 kg	m²	
Output [HP]		15		15		15		
Poles		4		4		4		
Frequency [Hz] Rated voltage [V]		50 380		50 415		60 230/460		
Rated current [A]		21.5		20.7		36.4/18.2		
. R. Amperes [A]		161		176		309/155		
_RC [A]		7.5		8.5		8.5		
No load current [A		9.00		10.2		18.2/9.08		
Rated speed [RPN	Л]	1470			1476		1780	
Slip [%]		2.00			1.60		1.11	
Rated torque [kgfn		7.41		7.38		6.12		
Locked rotor torqu		220		270		300		
Breakdown torque Service factor	[70]	250 1.00		310 1.00		330		
Temperature rise		80 K			80 K		1.25 80 K	
Locked rotor time		25s (cold) 14		19s (n	old) 11s (hot)	28s (cold) 16s (hot)		
Noise level ²		61.0 dB			1.0 dB(A)	64.0 dB(A)		
	25%		()					
\mathbf{F}	50%	91.0		90.4		89.5		
Efficiency (%)	75%	91.4		91.4			91.7	
	100%	91.4		91.4		92.4		
	25%							
Power Factor	50%	0.69			0.62	0.63		
	75%	0.79		0.74		0.75		
	100%	0.85			0.81		0.82	
Losses at normat	ive operati	ing points (speed;torq		ge of rate	· · · · · · · · · · · · · · · · · · ·			
		P1 (0,9;1,0)	9.0			7.9		
		P2 (0,5;1,0)	7.3				6.4	
		P3 (0,25;1,0)	6.9		6.9		6.0	
Losses (%)		P4 (0,9;0,5) P5 (0,5;0,5)	5.2 3.5		5.2 3.5		4.6 3.1	
		P5 (0,5;0,5) P6 (0,5;0,25)	2.6				2.3	
		P7 (0,25;0,25)	1.9		1.9		1.6	
Bearing type		<u>Drive end</u> <u>N</u> : 6309 C3	on drive end 6209 C3 M	oundatior lax. tractio	n loads on	: 248 kgf	1.0	
Sealing Lubrication interval Lubricant amount		: V'Ring : 20000 h : 13 g	V'Ring M 20000 h 9 g	Max. compression : 387 kgf				
Lubricant type		: Mobil Poly	yrex EM					
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from t Im and with weight subj ocess.	cancel the previous or the shaft end. h tolerance of +3dB(A ject to changes after	pc M			based on tests w e tolerances stipt		
Rev.	Changes Summary		mary		Performed	Checked	Date	
Performed by								
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Notes

Rev.		Changes Summary	Performed	Checked	Date
Performed by					·
Checked by				Page	Revision
Date	25/10/2024			2/5	

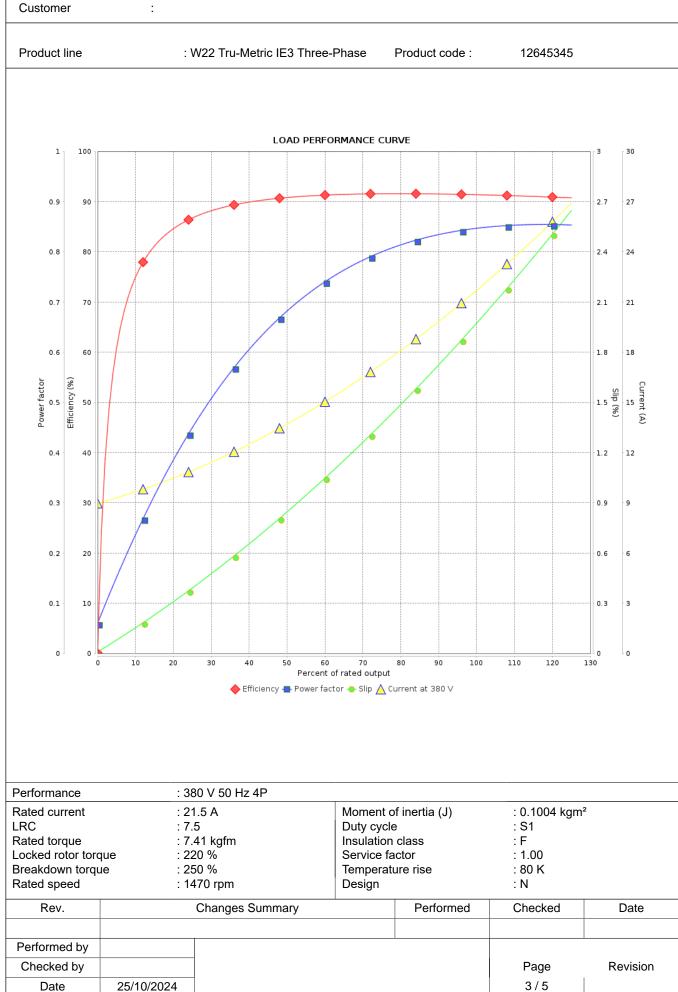
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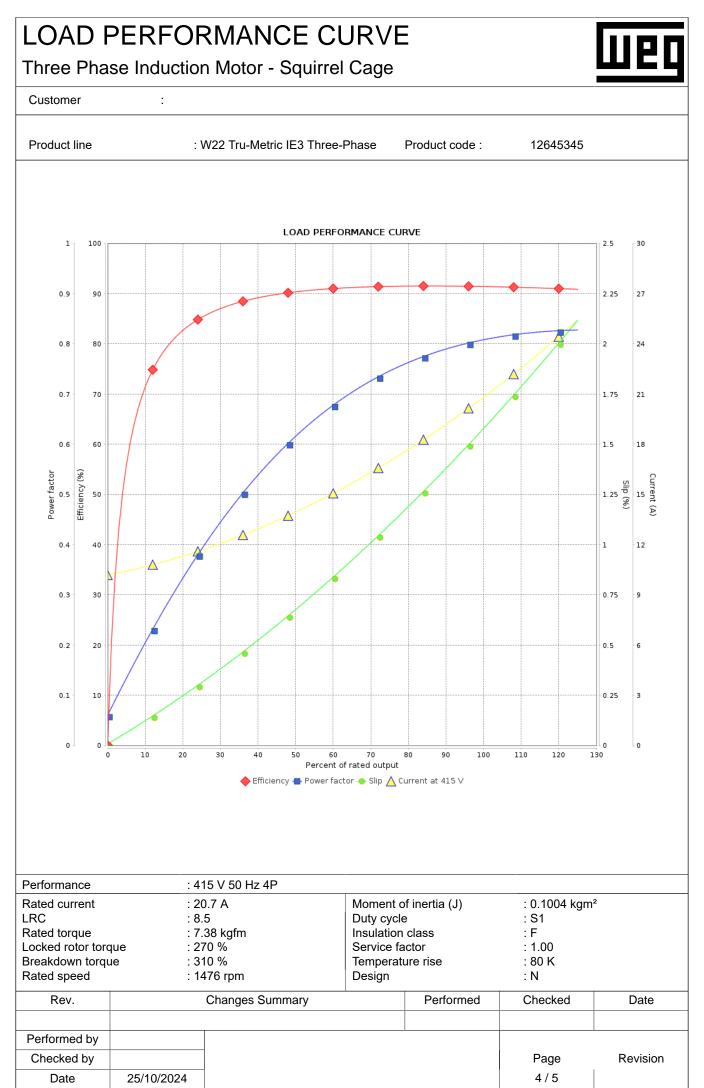
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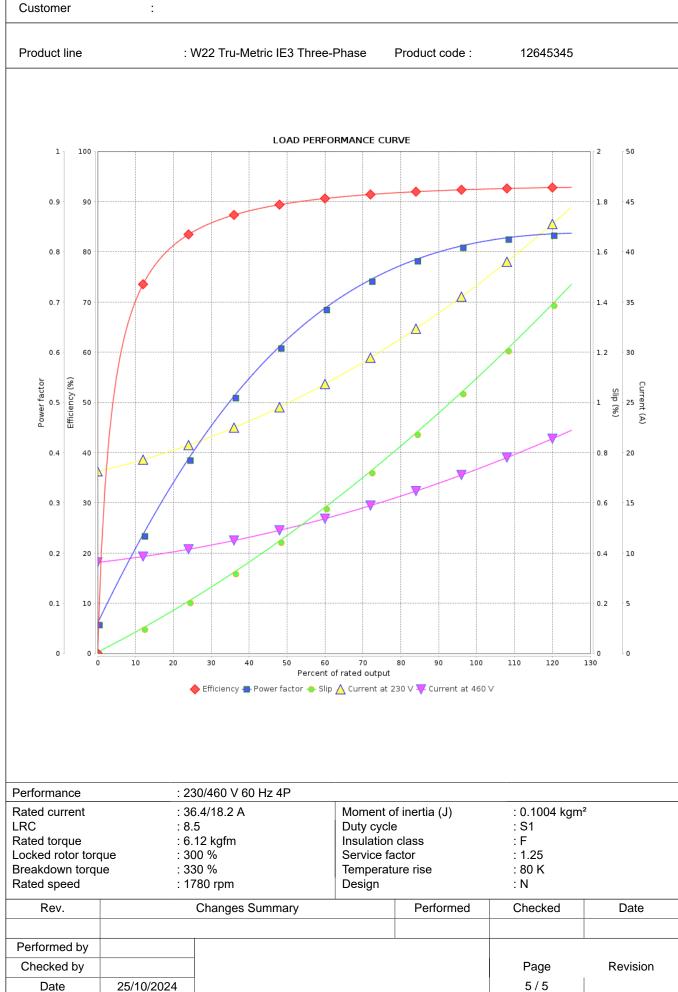


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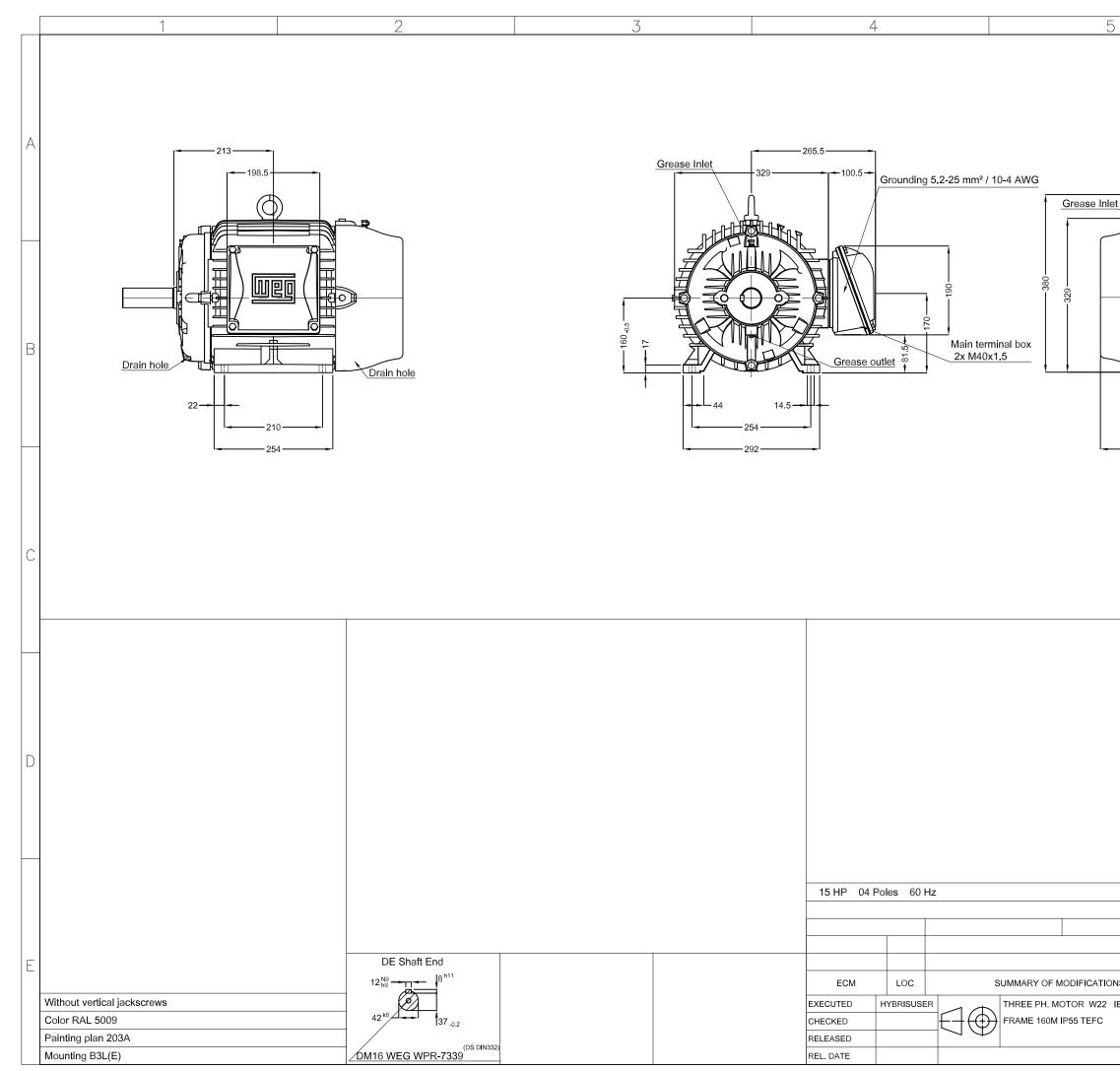
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