DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

	: VV2	2 Tru-Metric IE3 Thr	ee-Phase	P	roduct code :	12645294		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 132S : 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)		: IC411 - TEFC : B3L(E) : Both (CW and CCW) : Direct On Line : 68.8 kg : 0.0252 kgm ²		
Output [HP]		10		10		10		
Poles		2		2		2		
Frequency [Hz]		50		50		60		
Rated voltage [V]		380		415		230/460		
Rated current [A]			14.4		14.0		24.6/12.3	
L. R. Amperes [A]			108		126		226/113	
LRC [A] No load current [A]	1	7.5		9.0			9.2 11.2/5.60	
Rated speed [RPN		2930		6.60		I	3550	
Slip [%]	'J	2930		2945 1.83			1.39	
Rated torque [kgfm	າ]	2.48			2.46		2.04	
Locked rotor torque			210		270		280	
Breakdown torque			260		320		340	
Service factor			1.25		1.25		1.25	
Temperature rise			80 K		80 K		80 K	
Locked rotor time			14s (cold) 8s (hot)		14s (cold) 8s (hot)		18s (cold) 10s (hot)	
Noise level ²	050/	67.0 dB	(A)	6	7.0 dB(A)	6	7.0 dB(A)	
	25%	0.00				00.5		
Efficiency (%)	50% 75%	89.6 90.0		88.6			86.5 89.5	
	100%	90.0			90.0 90.1		90.2	
Power Factor	25%			00.1				
	50%	0.74		0.65		0.68		
	75%	0.84		0.77		0.79		
	100%	0.88		0.83		0.85		
Losses at normati	ve operati	ng points (speed;toro	que), in percer	ntage of rate	ed output power			
		P1 (0,9;1,0)).5	10.5		10.3	
		P2 (0,5;1,0)			7.8		7.7	
		P3 (0,25;1,0)		.9	6.9		6.8	
Losses (%)		P4 (0,9;0,5)		.5	6.5		6.4	
		P5 (0,5;0,5)		.9 3.9			3.9	
		P6 (0,5;0,25) P7 (0,25;0,25)		.0 .9	3.0		3.0	
		P/10/25/0/251	1		1 1 0			
							1.9	
Bearing type Sealing Lubrication interv Lubricant amount		<u>Drive end</u> 6308 ZZ V'Ring - - -	<u>lon drive end</u> 6207 ZZ V'Ring - -	Foundatio Max. tracti Max. com	n loads ion	: 94 kgf : 163 kgf	1.9	
Sealing Lubrication interv		Drive end N : 6308 ZZ	<u>lon drive end</u> 6207 ZZ V'Ring - -	Foundatio Max. tract	n loads ion		1.9	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminate (1) Looking the ma (2) Measured at 1	t aces and c d. otor from t m and witi veight subj ocess.	Drive end M : 6308 ZZ : V'Ring : - : - : Mobil Pol : ancel the previous o	lon drive end 6207 ZZ V'Ring - - yrex EM ne, which	Foundatio Max. tracti Max. com These are	n loads ion	: 163 kgf based on tests v	with sinusoidal	
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Notes

			1	1	
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/01/2024			2/5	

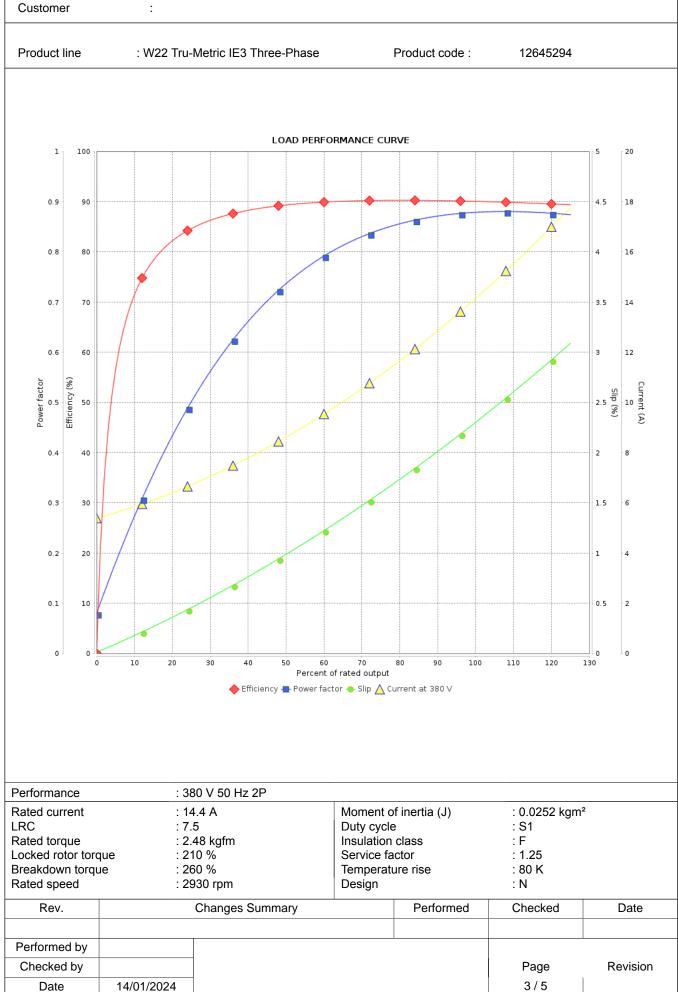
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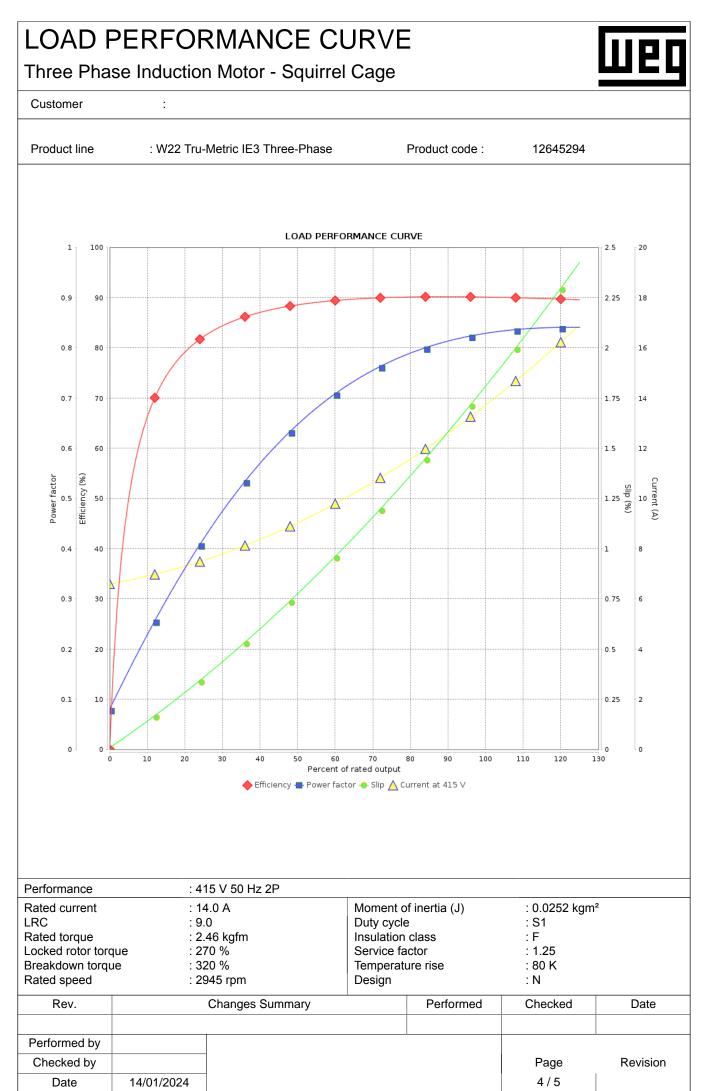
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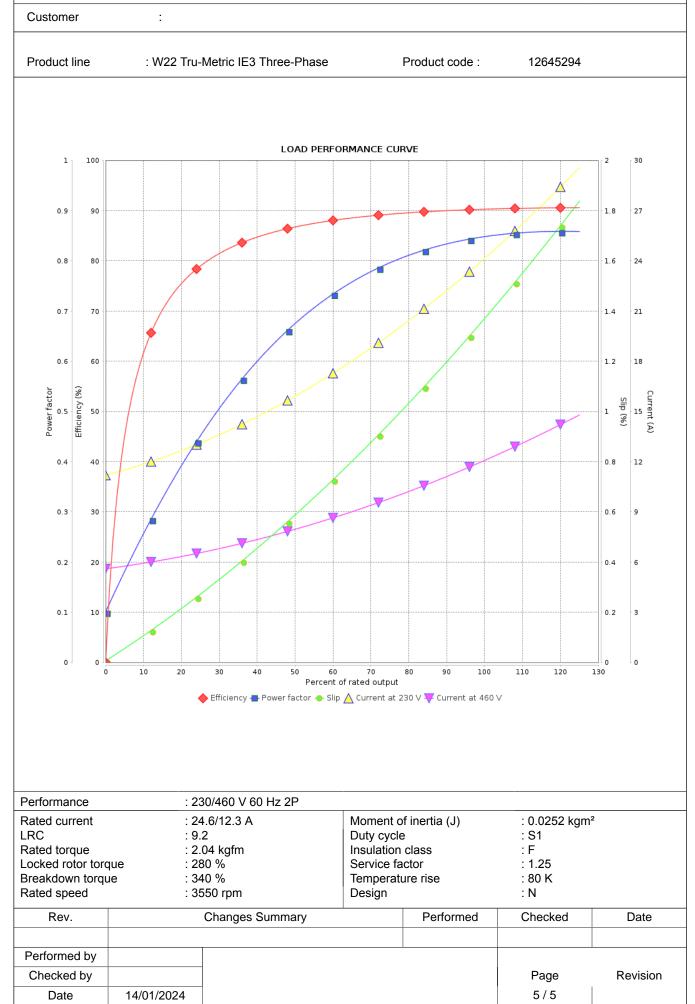


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