# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage

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#### Customer

		2 Tru-Metric IE3 Thr	ee-Fildse		roduct code :	13090850	)		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 132M : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: B35L(E) : Both (C\ : Direct O : 81.4 kg	: IC411 - TEFC : B35L(E) : Both (CW and CCW) : Direct On Line : 81.4 kg : 0.0252 kgm <sup>2</sup>		
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		
_RC [A] No load current [A]		7.5		9.0			9.2 11.2/5.60		
Rated speed [RPM		2930	5.40 2030		6.60 2945		3550		
Slip [%]	.1	2.33		1.83			1.39		
Rated torque [kgfm	ו]	2.48			2.46		2.04		
_ocked 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 <sup>2</sup>			67.0 dB(A)		7.0 dB(A)	6	67.0 dB(A)		
	25%								
Efficiency (%)	50% 75%	89.6 90.0		88.6			86.5		
	100%	90.0		90.0			89.5 90.2		
	25%	90.1		90.1			90.2		
	50%	0.74	0 74		0.65		0.68		
Power Factor	75%	0.84		0.77			0.79		
	100%	0.88		0.83			0.85		
Losses at normati	ve oneratir	ng points (speed;toro		ntage of rate		1			
Losses at normal		P1 (0,9;1,0)		).5	10.5		10.3		
		P2 (0,5;1,0)	7.				7.7		
		P3 (0,25;1,0)					6.8		
Losses (%)		P4 (0,9;0,5)		.5	6.5		6.4		
		P5 (0,5;0,5)	3.	.9	3.9		3.9		
		P6 (0,5;0,25)		.0	3.0		3.0		
		P7 (0,25;0,25)	1.	.9	1.9		1.9		
		<u>Drive end</u> : 6308 ZZ	on drive end	Foundatio	n loads				
	Bearing type		6207 ZZ	ZZ Max. traction		: 88 kgf			
					Max. compression		: 169 kgf		
Sealing		: V'Ring	V'Ring	Max. com	pression	: 169 kgf			
Sealing Lubrication interv		: V'Ring : -	V'Ring -	Max. com	pression	: 169 kgf			
Sealing Lubrication interv Lubricant amount		: -	-	Max. com	pression	: 169 kgf			
Sealing Lubrication interv		: V'Ring : - : - : Mobil Pol	-	Max. com	pression	: 169 kgf			
Sealing Lubrication interv Lubricant amoun Lubricant type This revision repla must be eliminate (1) Looking the m (2) Measured at 1	t aces and ca d. otor from th m and with veight subje ocess.		yrex EM	These are	average values l ply, subject to the	based on tests			
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminate (1) Looking the min (2) Measured at 1 (3) Approximate with manufacturing pro-	t aces and ca d. otor from th m and with veight subje ocess.		yrex EM ne, which A).	These are power sup	average values l	based on tests			
Sealing Lubrication interv Lubricant amount Lubricant type This revision replatement (1) Looking the mini- (2) Measured at 1 (3) Approximate with manufacturing pro- (4) At 100% of full Rev.	t aces and ca d. otor from th m and with veight subje ocess.		yrex EM ne, which A).	These are power sup	average values I ply, subject to the	based on tests e tolerances sti	pulated in NEMA		
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Customer

Notes

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

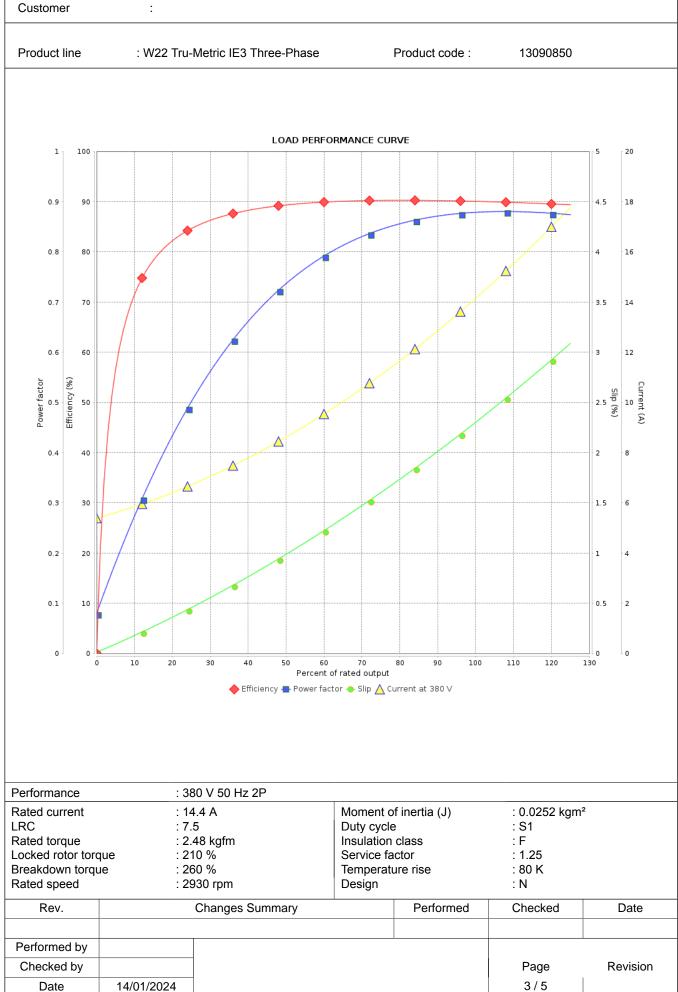
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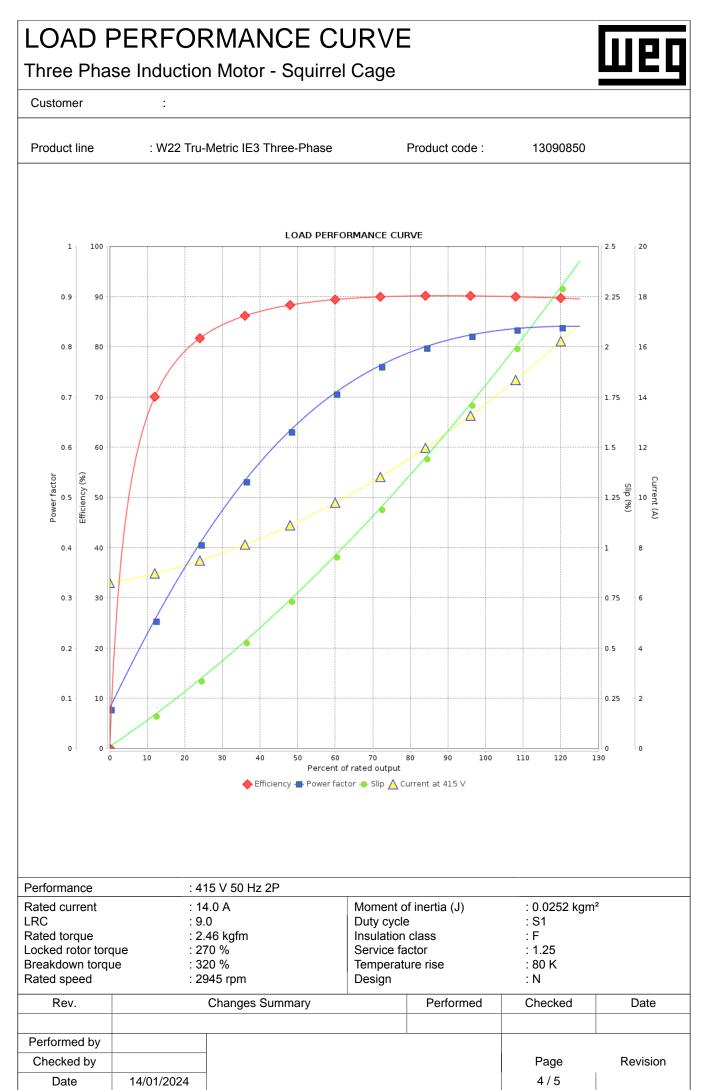
# LOAD PERFORMANCE CURVE

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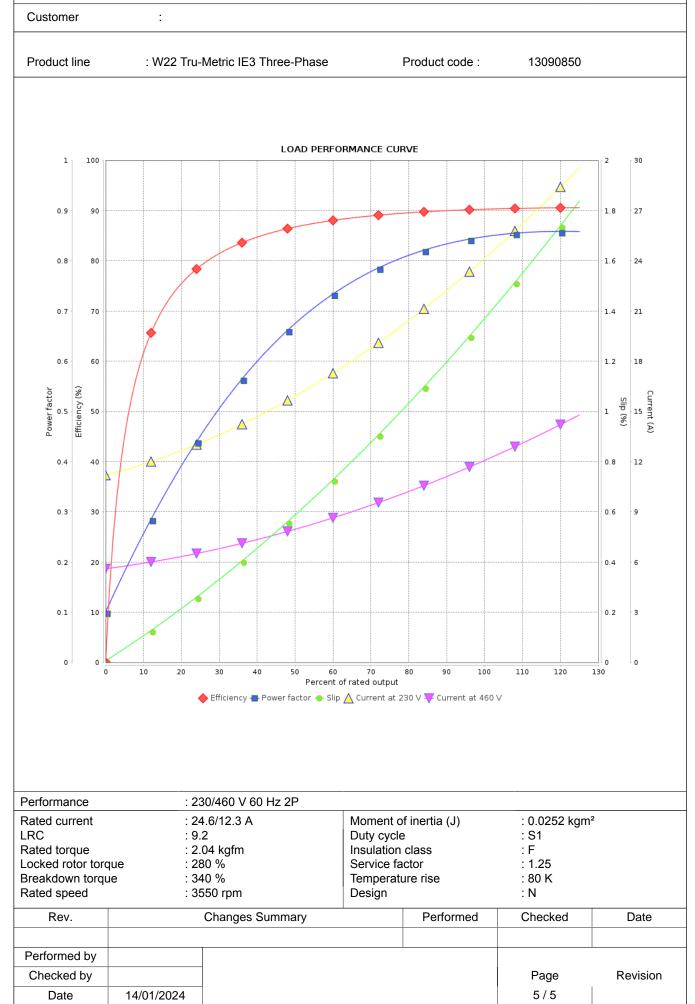


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