DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line	: W22	Tru-Metric IE3 Thre	ee-Phase	Р	roduct code :	12645345		
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 : 142 kg	: Both (CW and CCW) : Direct On Line	
Output [HP]		15		15			15	
Poles		4		4		4		
Frequency [Hz]		50		50			60	
Rated voltage [V]		380		415		2	230/460	
Rated current [A]		21.5		20.7			36.4/18.2	
L. R. Amperes [A]		161		176		3	09/155	
LRC [A]		7.5		8.5			8.5	
No load current [A			9.00		10.2		3.2/9.08	
Rated speed [RPN	/]	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	[%]	250		310		330		
Service factor		1.25		1.25			1.25	
Temperature rise		80 K		80 K			80 K	
Locked rotor time		25s (cold) 14s (hot) 61.0 dB(A)		19s (cold) 11s (hot)			28s (cold) 16s (hot) 64.0 dB(A)	
Noise level ²	25%	01.0 dB	(~)	c	61.0 dB(A)	04	.0 UD(A)	
	50%	91.0		90.4			89.5	
Efficiency (%)	75%	91.0		90.4			91.7	
	100%	91.4		91.4			91.7	
	25%	01.4		J1. 1			<u> </u>	
	50%	0.69		0.62			0.63	
Power Factor	75%	0.79		0.74			0.75	
	100%	0.85		0.81			0.82	
			uo) in noroci	ntage of ret		I		
LUSSES at normal		points (speed;torq P1 (0,9;1,0)		.0			7.9	
		P1 (0,9;1,0) P2 (0,5;1,0)	9. 7.		7.3		6.4	
		P3 (0,25;1,0)	6		6.9		6.0	
Losses (%)		P4 (0,9;0,5)		.9 .2	5.2		4.6	
200000 (70)		P5 (0,5;0,5)	3.		3.5		3.1	
		P6 (0,5;0,25)	2		2.6		2.3	
				.0 .9	1.9		1.6	
	I	P7 (0,25;0,25) Drive end N	on drive end	Foundatio		1		
Bearing type		: 6309 C3	6209 C3	Max. tract		· 216 kaf	: 246 kgf	
Sealing		: V'Ring	V'Ring	Max. compression		•	: 388 kgf	
Lubrication interval		: 20000 h	20000 h					
Lubricant amount		: 13 g	9 g					
Lubricant type		: Mobil Poly						
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. otor from the m and with veight subjectocess.	ncel the previous or e shaft end. tolerance of +3dB(A ct to changes after			e average values oply, subject to the			
(4) At 100% of ful	Changes Summary				Performed	Checked	Date	
(4) At 100% of ful Rev.		Changes Sum	mary					
		Changes Sum	Indiy					
Rev.						Page	Revision	

Шeq

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Notes

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

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice



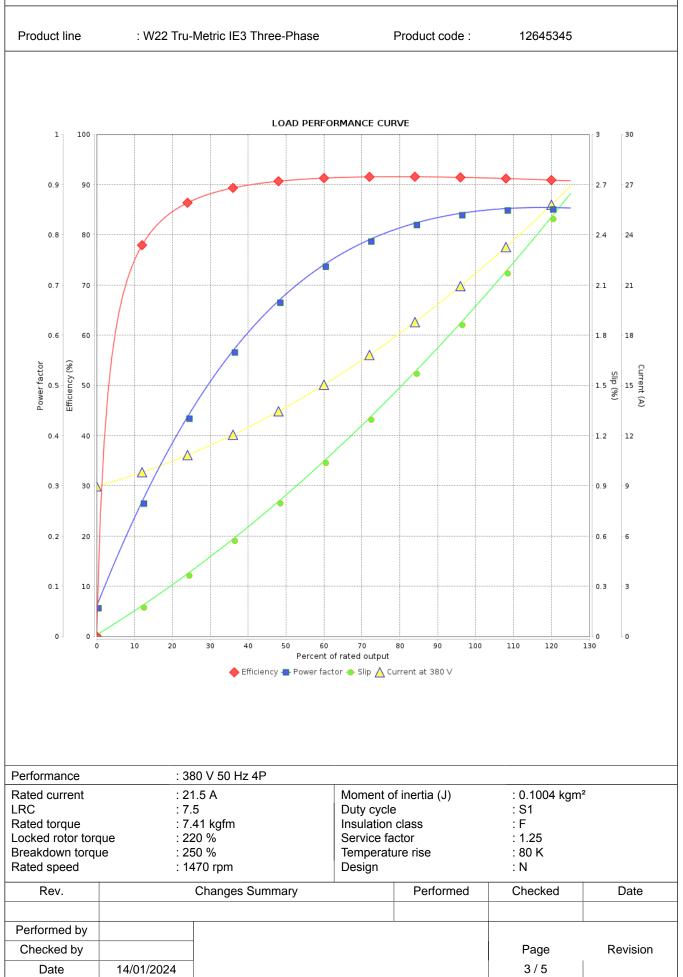
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

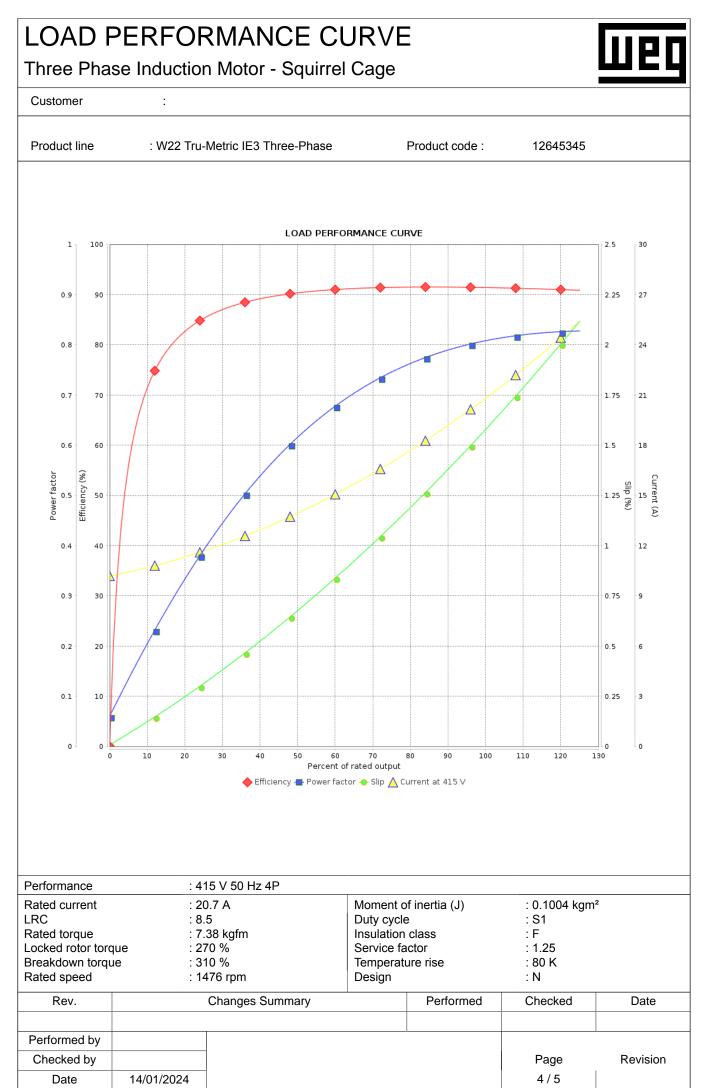
:







This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

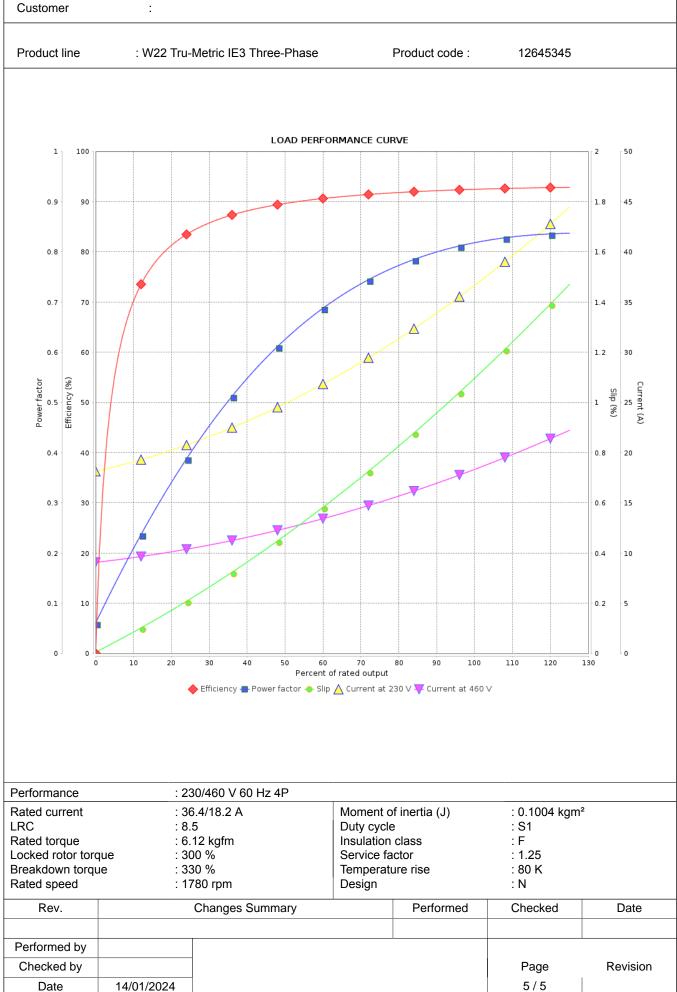


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage





This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.