DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: W22 I Three-I		EMA Premium	Efficien	ncy F	Product c	ode :	13016	466	
Frame Insulation class		: 145HP : F			Cooling method Mounting			: IC411 - TEFC : W-6		
Duty cycle	: Cont.(S1)			Rotation ¹			: Both (CW and CCW)			
Ambient tempera	: -20°C to +40°C			Starting method			: Direct On Line			
Altitude		: 1000 m.a.s.l.			Approx. weight ³			: 26.5 kg		
Protection degree	: IP55			Moment of inertia (J)			: 0.0060 kgm ²			
Design		: B							-	
Dutput [HP]		1.5		1.5			1.5			1.5
Poles		4		4			4			4
Frequency [Hz]		60		50			50			50
Rated voltage [V]		230/460		380			400		415	
Rated current [A]		4.04/2.02		2.42			2.33			2.30
L. R. Amperes [A]		33.9/17.0		15.5			16.3			17.0
LRC [A]		8.4x(Code L)		6.4x(Code H)			7.0x(Code J)		7.4	x(Code K)
No load current [A]		2.20/1.10		1.10			1.20			1.30
Rated speed [RPM]		1755		1440			1445			1450
Slip [%]		2.50		4.00			3.67			3.33
Rated torque [kgfm]		0.620		0.756			0.753		0.751	
ocked rotor torqu		290		220			250		280	
Breakdown torque		350			250		290		320	
Service factor			1.25		1.25		1.25		1.25	
Temperature rise			30 K		80 K		80 1			80 K
_ocked rotor time		25s (cold) 14s (hot)		255 (0	25s (cold) 14s (hot)		25s (cold) 14s (hot)		25s (c	old) 14s (hot)
Noise level ²		51.0 dB(A)			49.0 dB(A)		49.0 dB(A)			9.0 dB(A)
	25%		31.3		82.0		82.			80.5
Efficiency (%)	50%		32.5	82.5			82.5			81.0
	75%			84.0			84.0			84.0
	100%		85.5		84.1		84.1			84.1
	25%	86.5 0.35			0.41		0.37			0.34
	50%			0.67			0.63			0.54
	50% 75%	0.60 0.70		0.67			0.03			0.80
	100%	0.70			0.82		0.74			0.70
Losses at normati				n nercei						
Loooco at normat	P1 (0,		14.6	ii peroer	14			14.6		14.6
	P2 (0,		12.1		12		12.1			12.1
		-	12.1		12		12.2		12.1	
Losses (%)		P3 (0,25;1,0) P4 (0,9;0,5)			8.		8.2		_	
LUSSES (70)			8.2 5.7				-		8.2	
		P5 (0,5;0,5)			5.		_	5.7	5.7	
		P6 (0,5;0,25)		4.3		3		4.3	_	4.3
	P7 (0,2		3.2		3.			3.2		3.2
Rooring ture		Drive		ive end	Foundatio					
Bearing type		6307		04 ZZ	Max. tract					
Sealing		: V'Ring V'Ring			Max. compression					
Lubrication interv		-		-						
Lubricant amount		· · · ·								
Lubricant type		. IV	lobil Polyrex E	_1VI						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	d. otor from the m and with to	shaft end. plerance o	f +3dB(A).	nich				based on te tolerances		sinusoidal ed in NEMA
(3) Approximate v manufacturing pro		to change	es allel							
Rev.	Changes Summary				Performed		med	Checked		Date
Uortormod by								-		
Performed by										
Checked by Date	14/01/2024							Page 1 / 6		Revision

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer

Notes

USABLE @208V 4.36A SF 1.15 SFA 5.01A

:

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/01/2024			2/6	

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

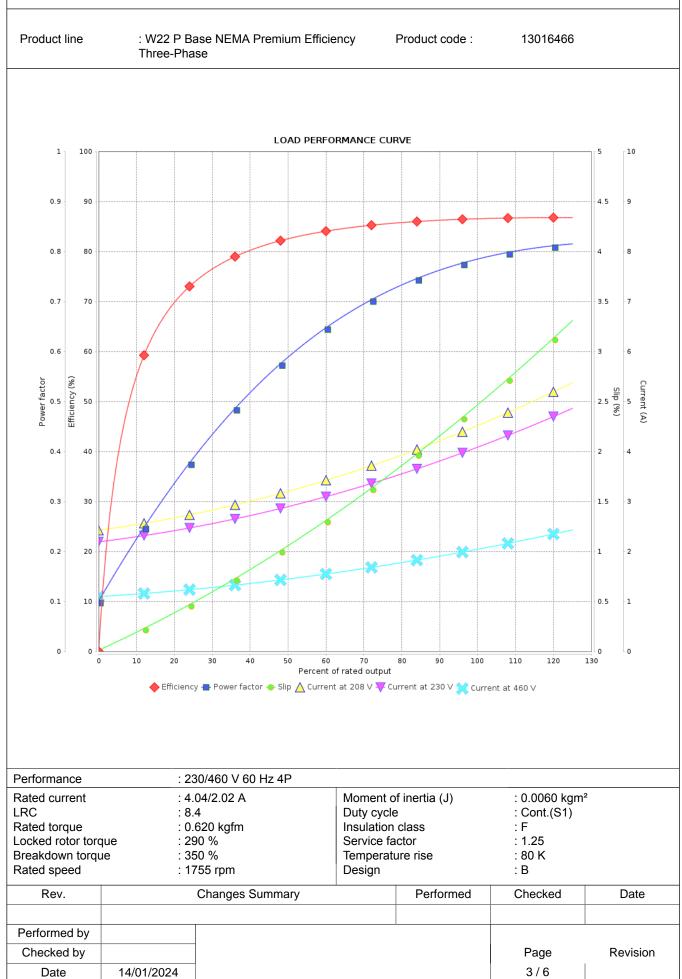


LOAD PERFORMANCE CURVE

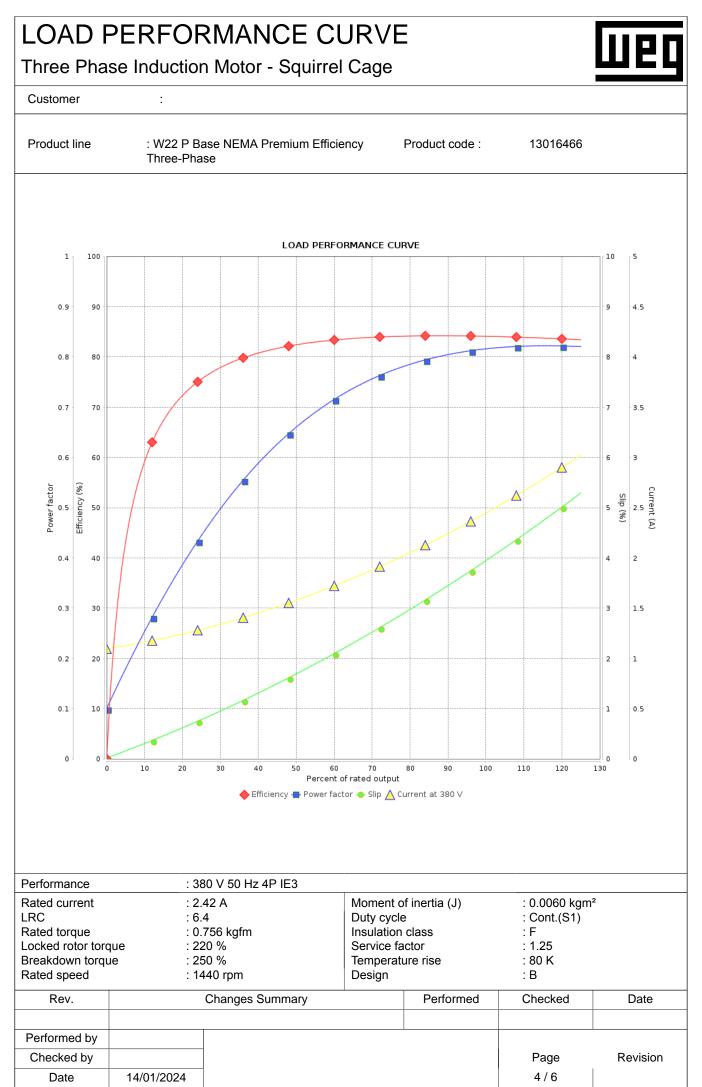
Three Phase Induction Motor - Squirrel Cage

:

Customer



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



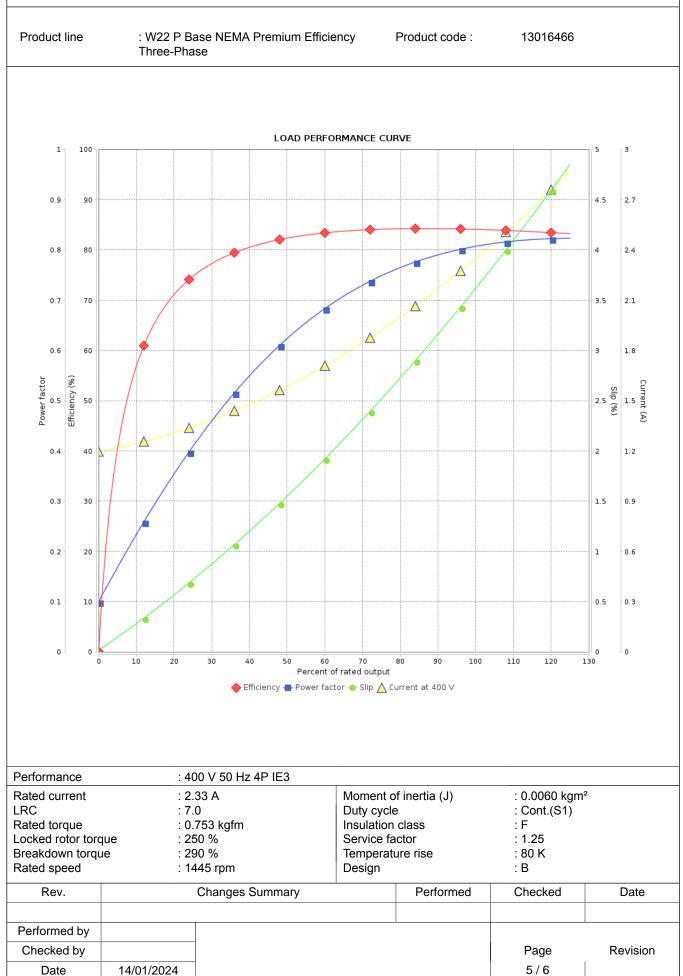
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

LOAD PERFORMANCE CURVE

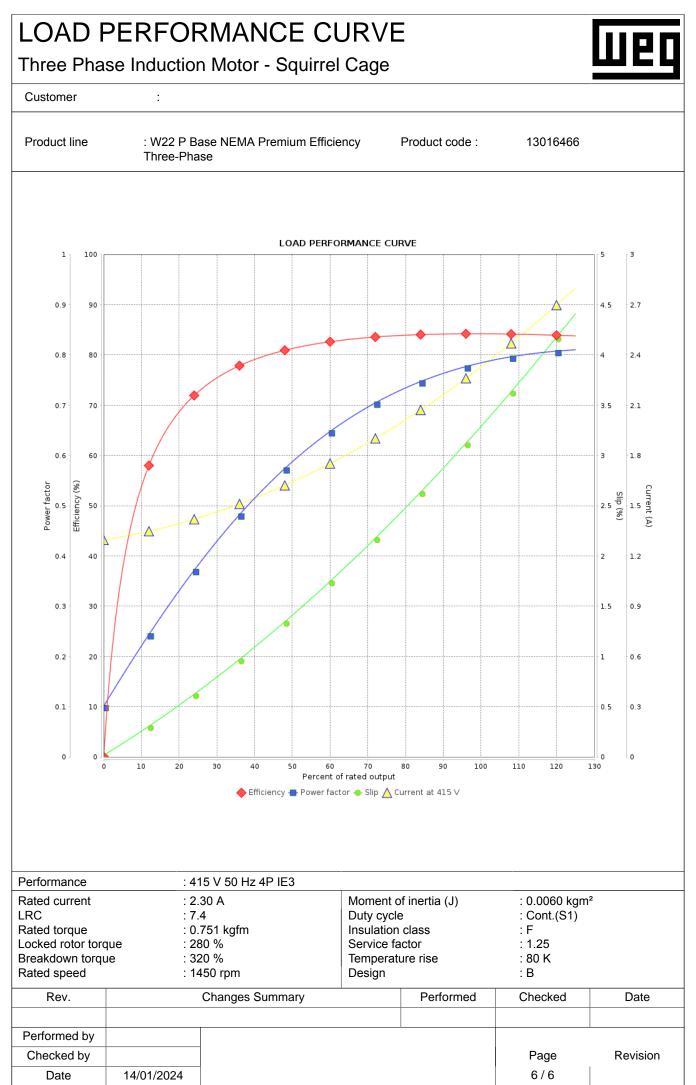
Three Phase Induction Motor - Squirrel Cage

:

Customer



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.