DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: W22 Phase	NEMA Pre	mium Efficien	icy Thre	e- F	Product c	ode :	12717	282	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 213/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B			Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		(J)	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 77.0 kg : 0.0566 kgm ²		
Output [HP]			7.5		7.5		7.5	5		7.5
Poles		4		4			4			4
Frequency [Hz]		60		50			50		50	
Rated voltage [V]		230/460		380			400		415	
Rated current [A]		18.4/9.18		11.0			10.6		10.3	
L. R. Amperes [A]		130/65.2		61.6			65.7		69.0	
LRC [A]		7.1x(Code H)		5.6x(Code F)			6.2x(Code G)		6.7x(Code H)	
No load current [A]		8.40/4.20		4.10			4.40		4.70	
Rated speed [RPN		1765		1455			1460		1465	
Slip [%]		1.94		3.00			2.67		2.33	
Rated torque [kgfm]		3.08		3.74			3.73		3.72	
Locked rotor torque [%]		220		170			190		210	
Breakdown torque [%]		310		240			270		290	
Service factor		1.25		1.25			1.25		1.25	
Temperature rise		80 K			80 K		80 K		80 K	
Locked rotor time		36s (cold) 20s (hot)			27s (cold) 15s (hot)		27s (cold) 15s (hot)			cold) 15s (hot)
Noise level ²		58.0) dB(A)	5	6.0 dB(A)		56.0 d	B(A)	5	6.0 dB(A)
	25%									
Efficiency (%)	50%	89.5		89.5			89.5			89.5
	75%		91.0		89.5		90.2			90.2
	100%		91.7		89.6		90.2			90.2
Power Factor	25%									
	50%	0.66		0.72			0.69			0.66
	75%	0.76		0.81			0.78			0.76
	100%	().82		0.85		0.8	3		0.82
Losses at normat	ive operating	points (sp	eed;torque), i	n percei	ntage of rat	ed outpu	t power			
	P1 (0,	P1 (0,9;1,0)		8.8		8	8.8		8.8	
	P2 (0,	P2 (0,5;1,0)			7.0		7.0			7.0
	P3 (0,2	P3 (0,25;1,0)			6.5		6.5			6.5
Losses (%)	P4 (0,		4.9		4.9		4.9			4.9
	P5 (0,	5;0,5)	3.3		3.3			3.3	3.3	
),5;0,25)			2.	4		2.4		2.4
	P7 (0,2	5;0,25) 1.6			1.6		1.6			1.6
Bearing type Sealing		Drive end Non drive end			Foundation loads					
		6308	8 ZZ 62	07 ZZ	Max. tract	tion		: 161 kgf		
		: V'Ring V'R		Ring	Max. com	pression	I	: 238 k		
Lubrication interval		:								
Lubricant amount		:								
Lubricant type		: Mobil Polyrex EM								
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 veight subjec	shaft end. plerance o	f +3dB(A).	nich						n sinusoidal ated in NEMA
	acturing process.				Performed		Checked		Date	
Rev.		Changes Summary				Periormea				Dale
Performed by										
Checked by								Page		Revision
		1						raye		I CONSION
Date	19/05/2024							1/6	1	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer

Notes

USABLE @208V 19.9A SF 1.15 SFA 22.9A

:

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by		-		Page	Revision
Date	19/05/2024			2/6	

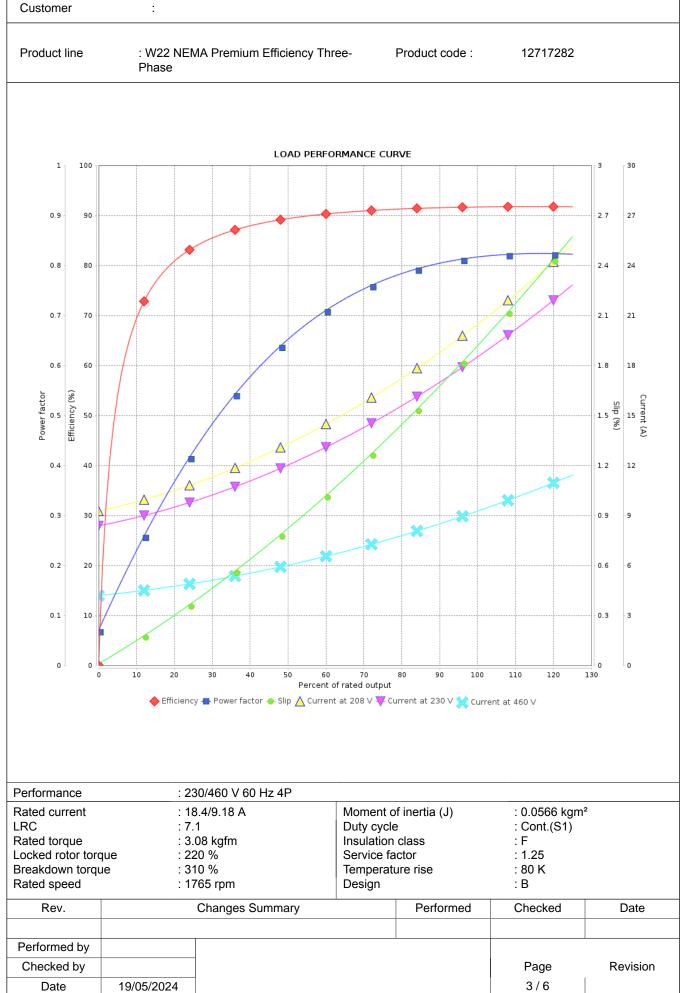
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice



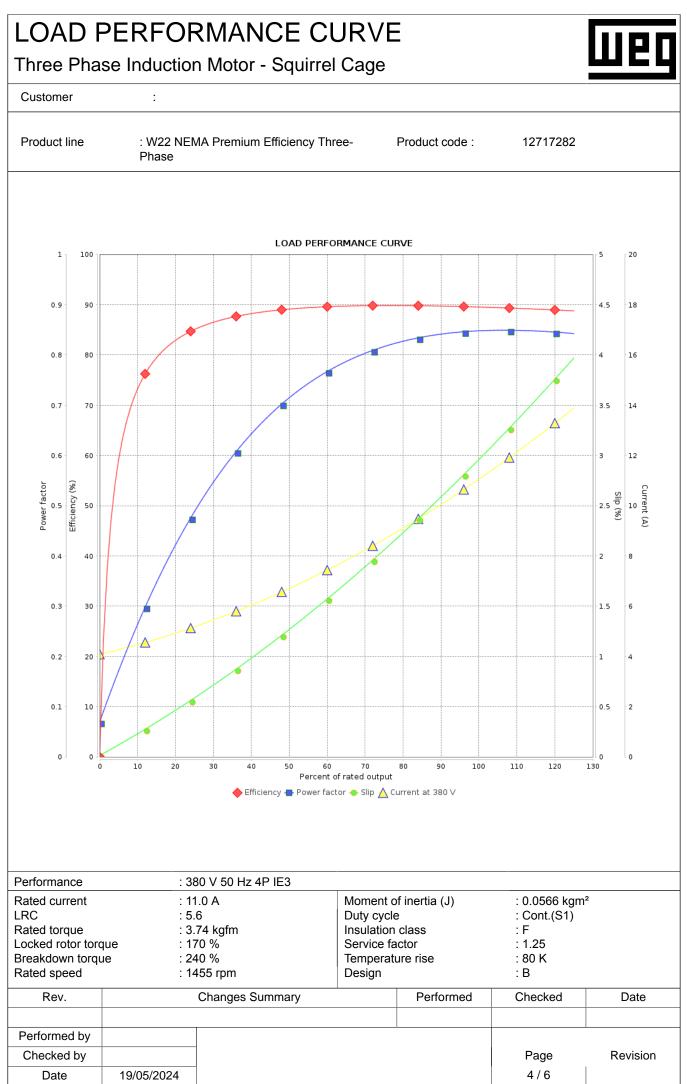
LOAD PERFORMANCE CURVE

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.

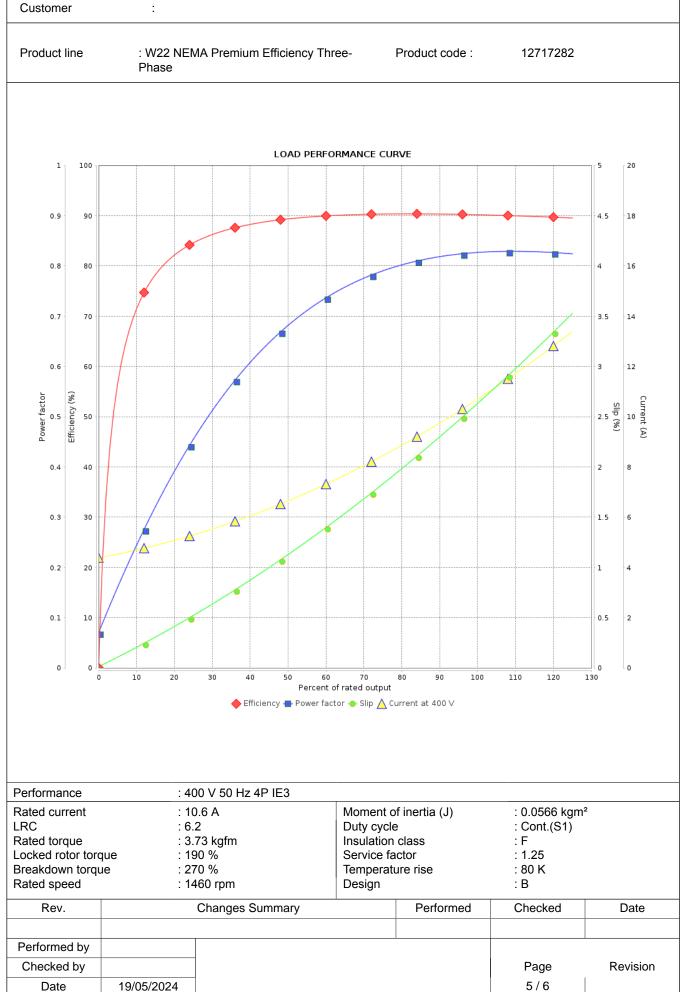


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

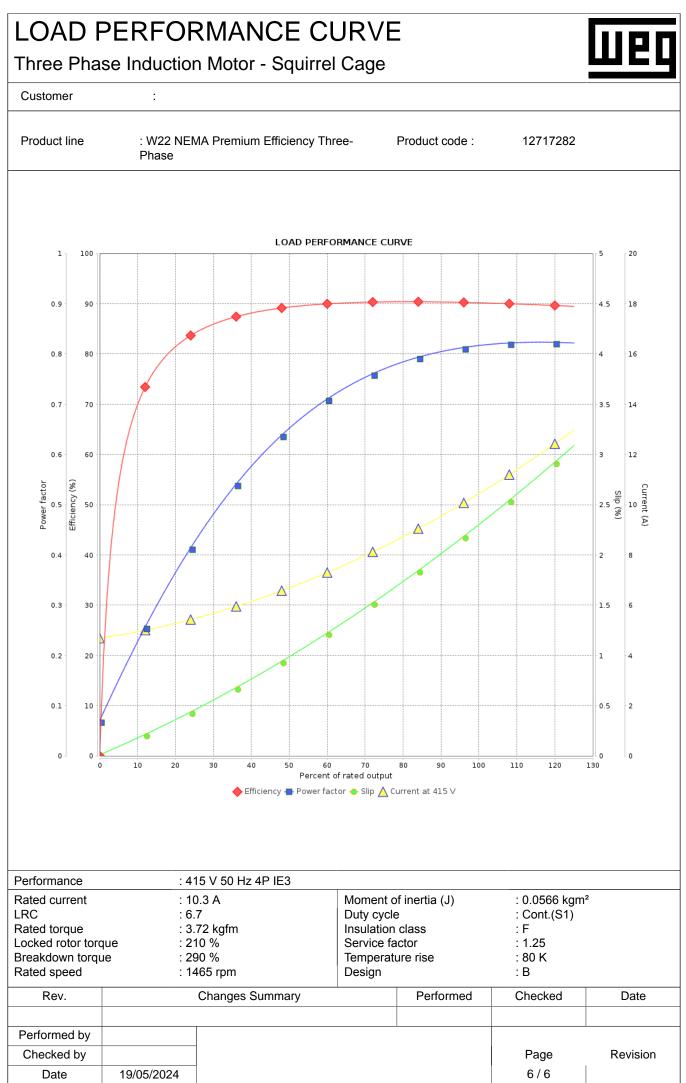
LOAD PERFORMANCE CURVE

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.