DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line		: NEMA Premium Efficiency Three- Product code : Phase		Product code :	12675405		
Frame Insulation class Duty cycle Ambient temperature Altitude		: 213/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Mountin Rotation Starting		: F-1 : Both (CW	: Both (CW and CCW) : Direct On Line	
Protection degree Design		: IP55 : B		Moment of inertia (J) : 0.0395 kgm ²		m²	
Output [HP]		7.5		7.5		7.5	
Poles		4		4		4	
Frequency [Hz]		60		50 50			
Rated voltage [V]		230/460		190/380 220/415			
Rated current [A]		18.1/9.07		22.0/11.0 20.0/10.6			
L. R. Amperes [A]		132/66.2		136/68.2		136/72.1	
LRC [A]		7.3x(Code H)	6	6.2x(Code G)		6.8x(Code H)	
No load current [A]		8.81/4.41		8.65/4.33		8.93/4.73	
Rated speed [RPM]		1770		1455		1460	
Slip [%]		1.67		3.00		2.67	
Rated torque [kgfm]		3.08		3.74		3.73	
Locked rotor torque [%]		260		190		220	
Breakdown torque [%]		300		250		280	
Service factor		1.15		1.00		1.00	
Temperature rise		80 K		105 K		80 K	
Locked rotor time		39s (cold) 22s (hot)	0s	(cold) 0s (hot)	0s (cc	Os (cold) Os (hot)	
Noise level ²		60.0 dB(A)		57.0 dB(A)		0 dB(A)	
Efficiency (%)	25%	89.4		91.3		90.4	
	50%	90.2		90.2		89.8	
	75%	91.0		90.0		90.1	
	100%	91.7		88.6		89.2	
Power Factor	25%	0.39		0.45		0.41	
	50%	0.64		0.71		0.67	
	75%	0.76			0.79		
	100%	0.82		0.86		0.84	
Bearing type		Drive end : 6208 ZZ 6206 ZZ	Max. tra	Foundation loads Max. traction : 166 kgf			
Sealing		: V'Ring Without Bearing Se		mpression	: 220 kgf		
Lubrication interv		: · · ·					
Lubricant type		: Mobil Polyrex EM					
Notes USABLE @208V	20.1A SF 1.	00 SFA 20.1A					
must be eliminate	ed. notor from the 1m and with to	olerance of +3dB(A).		re average values upply, subject to th			
(2) Measured at 1(3) Approximate vmanufacturing pro	ocess.						
 (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful 	ocess.			Performed	Checked	Date	
(2) Measured at 1(3) Approximate vmanufacturing pro	ocess.	Changes Summary		Performed	Checked	Date	
 (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful 	ocess.			Performed	Checked	Date	
(2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	ocess.			Performed			
(2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ocess.	Changes Summary		Performed	Checked Page	Date	

te 13/05/2022 1 / 4 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



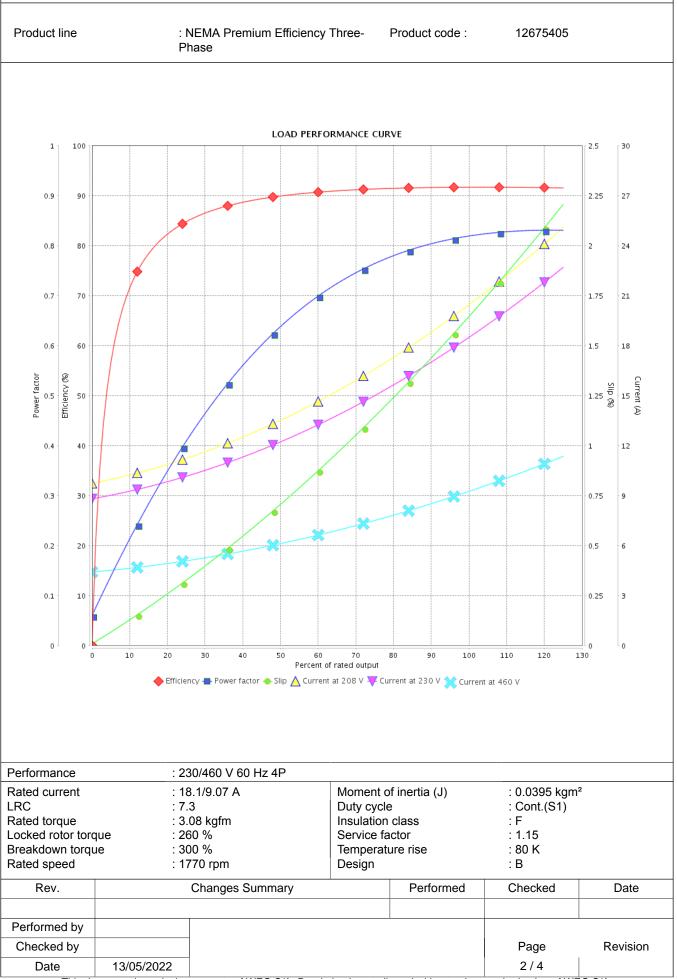
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



Customer



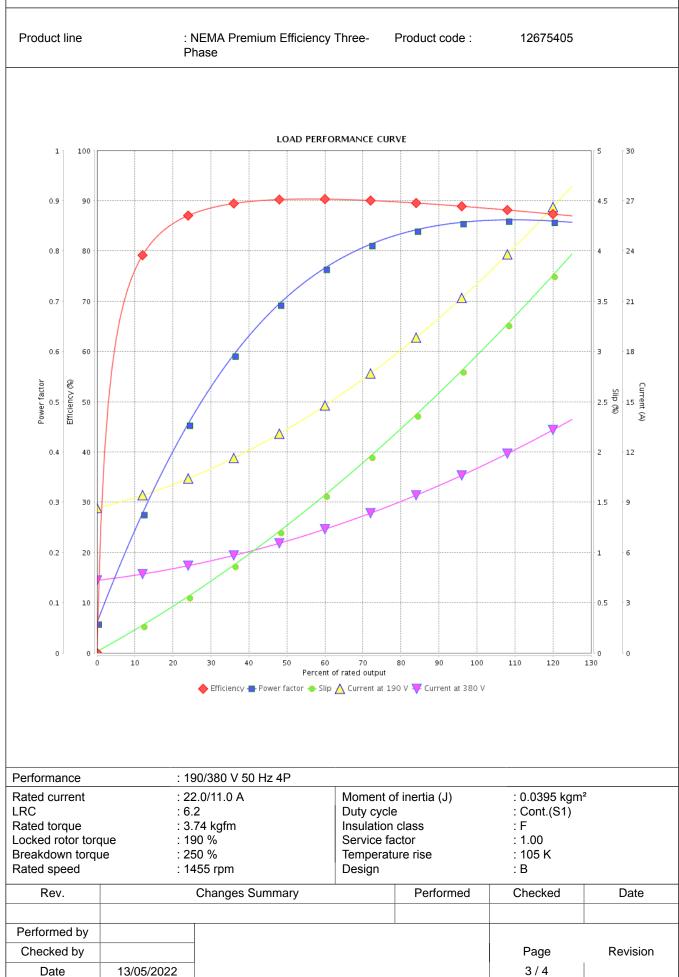
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

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.

Subject to change without notice

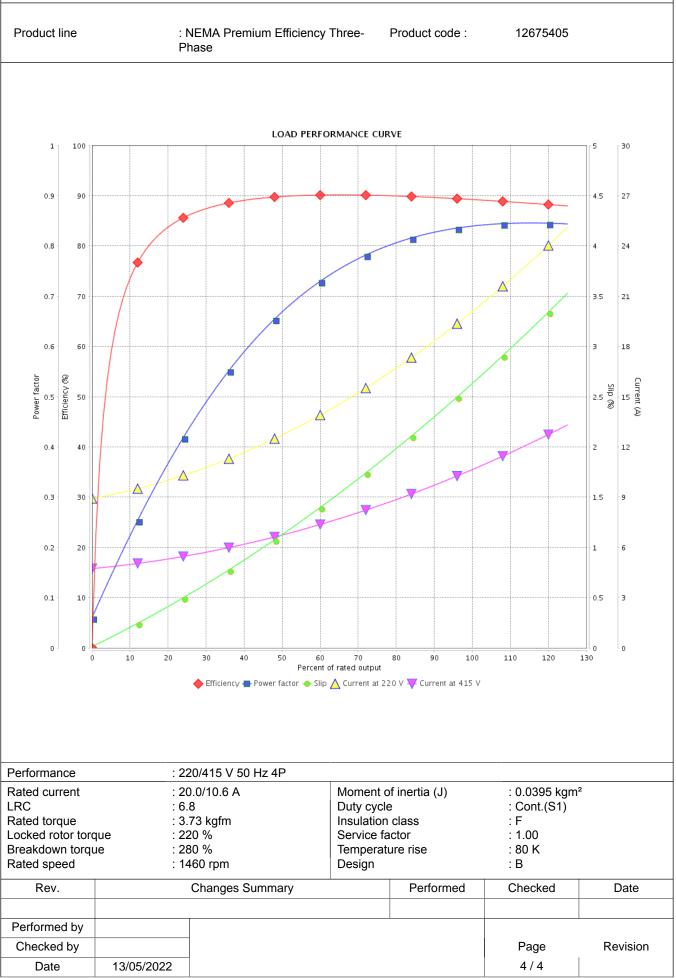
LOAD PERFORMANCE CURVE

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. Subject to change without notice