DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

		: NEMA Premium Efficiency T Phase	hree- Product code :	12675361
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 143/5TC : 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)	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 17.5 kg : 0.0046 kgm ²
-			1 5	4 5
Output [HP] Poles		1.5	1.5	1.5
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190-220/380	415
Rated current [A]		4.04/2.02	4.82-4.16/2.41	2.27
L. R. Amperes [A]		33.1/16.6	29.4-25.4/14.7	16.3
LRC [A]		8.2x(Code K)	6.1x(Code H)	7.2x(Code J)
No load current [A]		2.17/1.08	2.13-1.84/1.07	1.26
Rated speed [RPM]		1750	1420	1435
Slip [%]		2.78	5.33	4.33
Rated torque [kgfm]		0.622	0.767	0.759
Locked rotor torque [%]		270	210	260
Breakdown torque [%]		300	250	300
Service factor			1.15	1.15
Temperature rise		80 K	105 K	80 K
Locked rotor time		37s (cold) 21s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²		52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
	25%			
Efficiency (%)	50%	85.5	84.7	83.5
	75%	86.5	84.7	84.9
	100%	86.5	82.7	84.1
Power Factor	25%			
	50%	0.59	0.67	0.59
	75%	0.72	0.78	0.72
100%		0.79 <u>Drive end</u> <u>Non drive end</u> : 6205 ZZ 6203 ZZ	0.84 Foundation loads	0.80
Bearing type Sealing		: V'Ring Without	Max. traction Max. compression	: 56 kgf : 73 kgf
Lubrication interv		Bearing Seal		
Lubricant amoun	it			
Lubricant type		: Mobil Polyrex EM		
Notes USABLE @208V	4.47A SF 1.	00 SFA 4.47A		
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate	ed. lotor from the Im and with t weight subjec	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after		based on tests with sinusoidal le tolerances stipulated in NEMA
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). It to changes after	power supply, subject to th MG-1.	e tolerances stipulated in NEMA
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with t weight subjec ocess.	shaft end. olerance of +3dB(A).	power supply, subject to th	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). It to changes after	power supply, subject to th MG-1.	e tolerances stipulated in NEMA
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). It to changes after	power supply, subject to th MG-1.	e tolerances stipulated in NEMA Checked Date
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). It to changes after Changes Summary	power supply, subject to th MG-1.	e tolerances stipulated in NEMA

Шер

 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

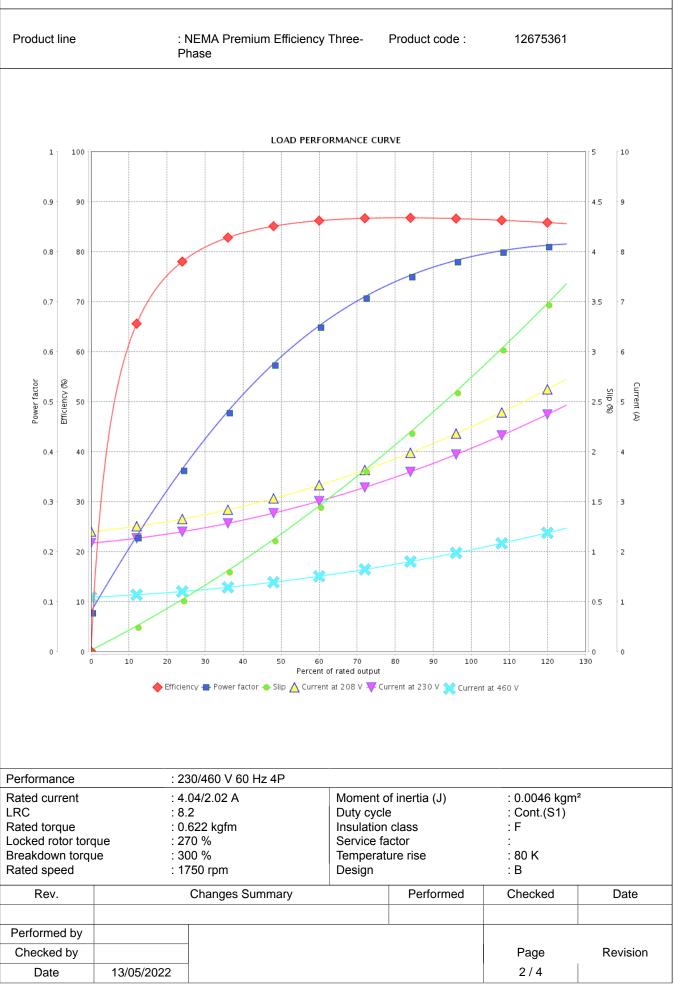
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



Customer



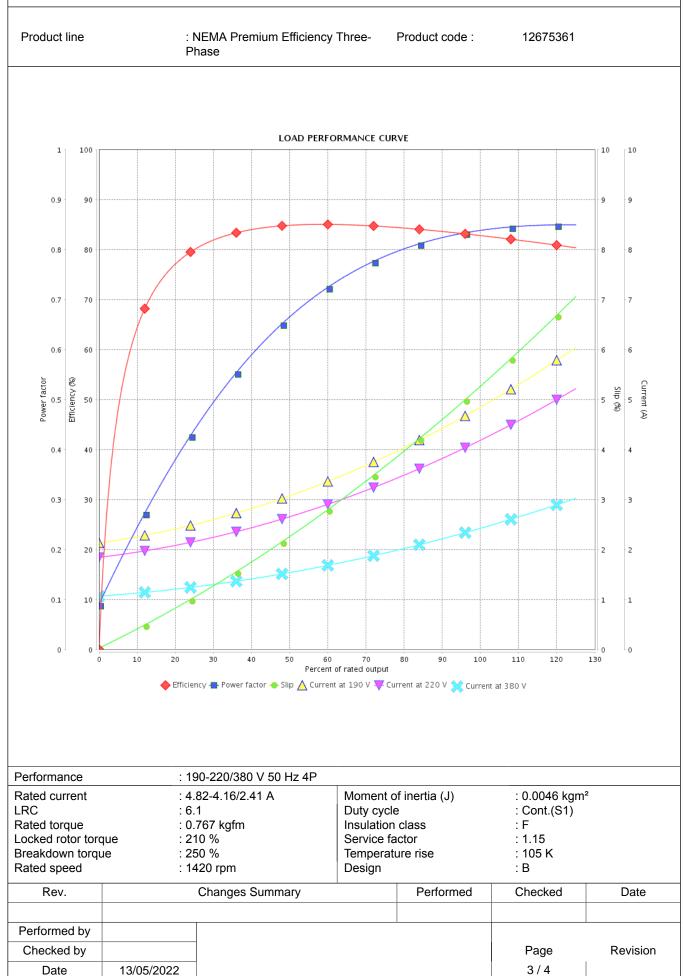
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

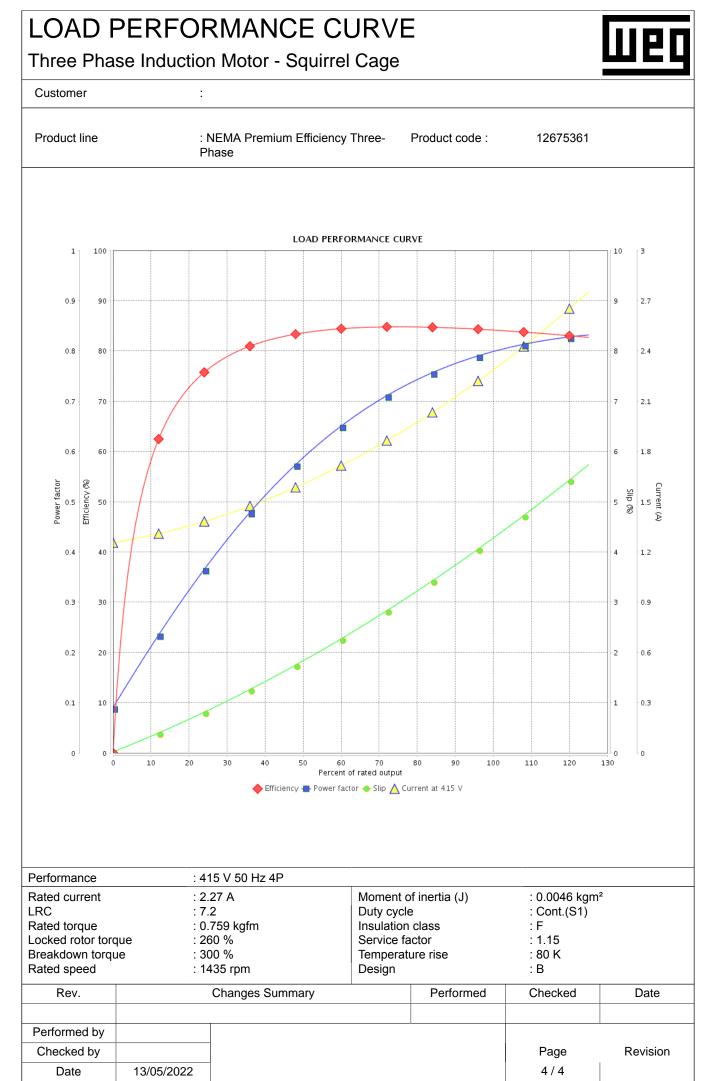
:

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



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