# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



#### Customer

Product line		Explosion Proof NEMA	Premiun	n Pr	oduct code :	1169783	31		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 444/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 971 kg : 2.81 kgm <sup>2</sup>			
Design	6	: B		Womento		. 2.01 Kg	J		
Output [HP]		150		125 12		5	125		
Poles		4		4	4	-	4		
Frequency [Hz]		60	60		50	0	50		
Rated voltage [V]		230/460	230/460		380 40		415		
Rated current [A]		340/170	340/170 169		16	3	158		
L. R. Amperes [A]		2210/1105			114	1141 1185			
LRC [A]		6.5x(Code G)			7.0x(Co	ode H)	7.5x(Code H)		
No load current [A]		108/54.0			56		59.0		
Rated speed [RPN		1783	1483		148		1487		
Slip [%]		0.94	1.13		0.9		0.87		
Rated torque [kgfm]		61.1		61.2	61		61.0		
Locked rotor torque [%]		200	190		21		229		
Breakdown torgue [%]		220	220		25		270		
Service factor		1.15			1.0		1.00		
Temperature rise		80 K			80		80 K		
Locked rotor time		66s (cold) 37s (hot)					68s (cold) 38s (hot)		
Noise level <sup>2</sup>		76.0 dB(A)		2.0 dB(A)	72.0 c		72.0 dB(A)		
	25%			<u>\</u>			\- '/		
	50%	95.0	94.5		95	.0	94.5		
Efficiency (%)	75%	95.8		95.0	95		95.0		
	100%	95.8	95.0		95		95.4		
	25%	-							
<b>D -</b> ·	50%	0.72		0.72	0.6	69	0.67		
Power Factor	75%	0.81		0.81	0.7		0.78		
	100%	0.85		0.85	0.8		0.83		
		Drive end Non dr	rive end	1					
Bearing type Sealing		: Viton Vito			Max. traction: 955 kgfMax. compression: 1926 kgf				
Lubrication interval Lubricant amount Lubricant type			569 h 34 g =M						
Notes USABLE @208V	376A SF 1.0			<u> </u>					
<ul> <li>This revision replaces and cancel the previous one, which must be eliminated.</li> <li>(1) Looking the motor from the shaft end.</li> <li>(2) Measured at 1m and with tolerance of +3dB(A).</li> <li>(3) Approximate weight subject to changes after manufacturing process.</li> <li>(4) At 100% of full load.</li> </ul>				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.					
Rev.	Changes Summary				Performed	Checked	Date		
Performed by									
Checked by						Page	Revision		
	22/10/2020	<u> </u>				1/6			
Date	22/10/2023	3							

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

### DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

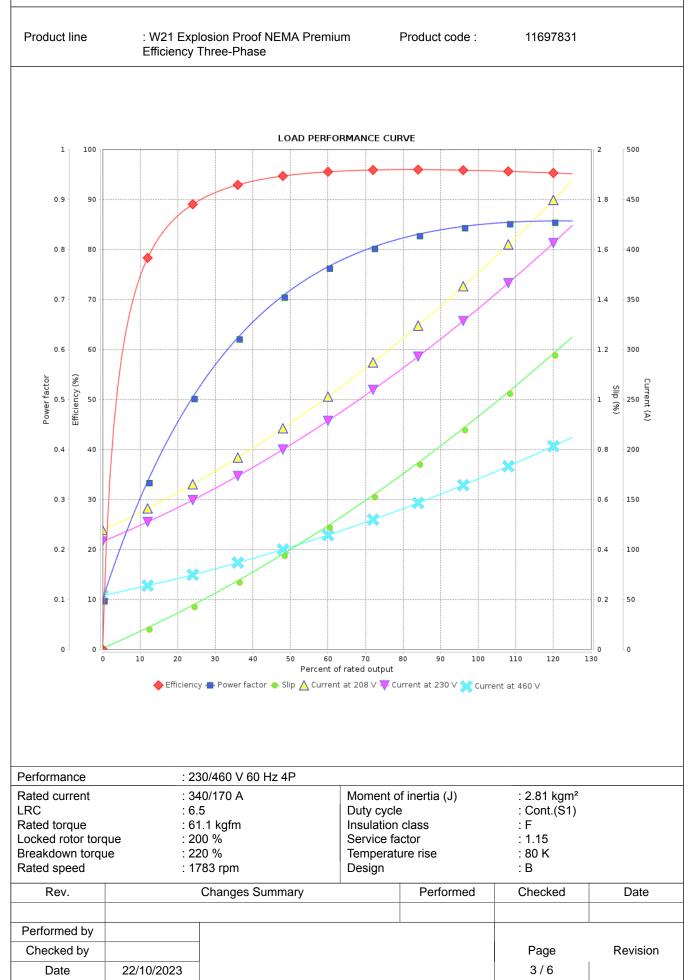
ID	Application	Туре	Quantity	Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase	1:	55 °C
Rev.	Change	s Summary	Performed	Checked	Date
rformed by necked by				Page	Revision
Date	22/10/2023			2/6	1001001



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.

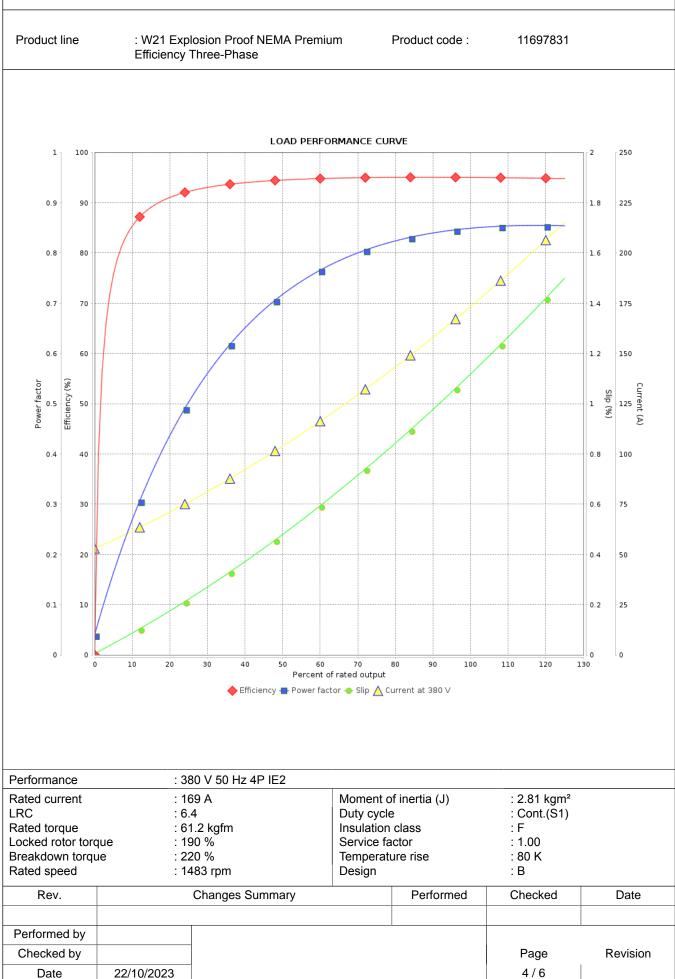
Subject to change without notice

Three Phase Induction Motor - Squirrel Cage

:



Customer

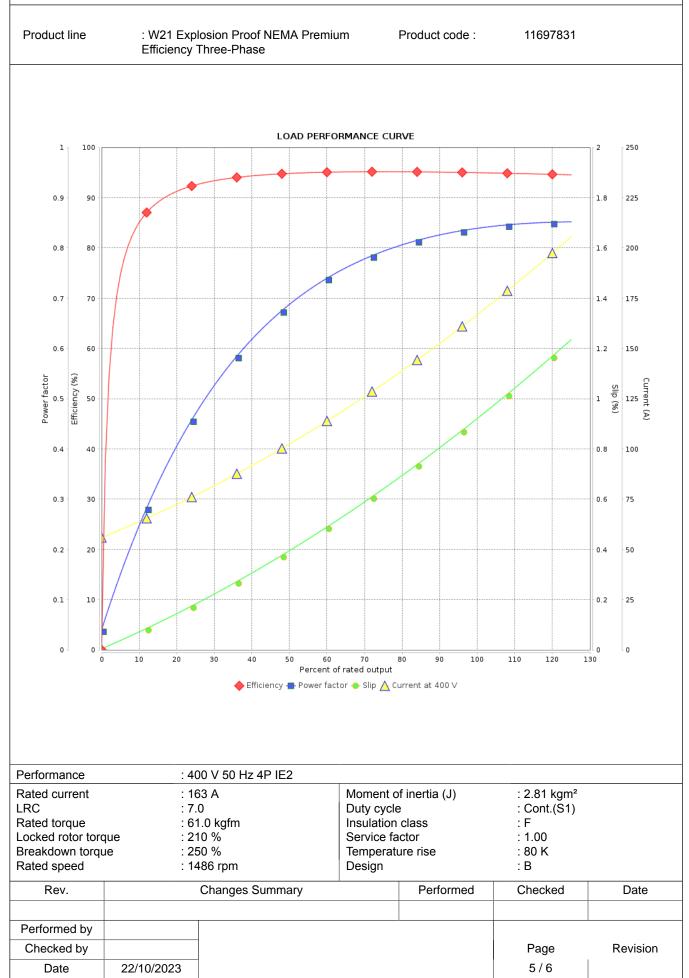


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

Three Phase Induction Motor - Squirrel Cage

:

Customer



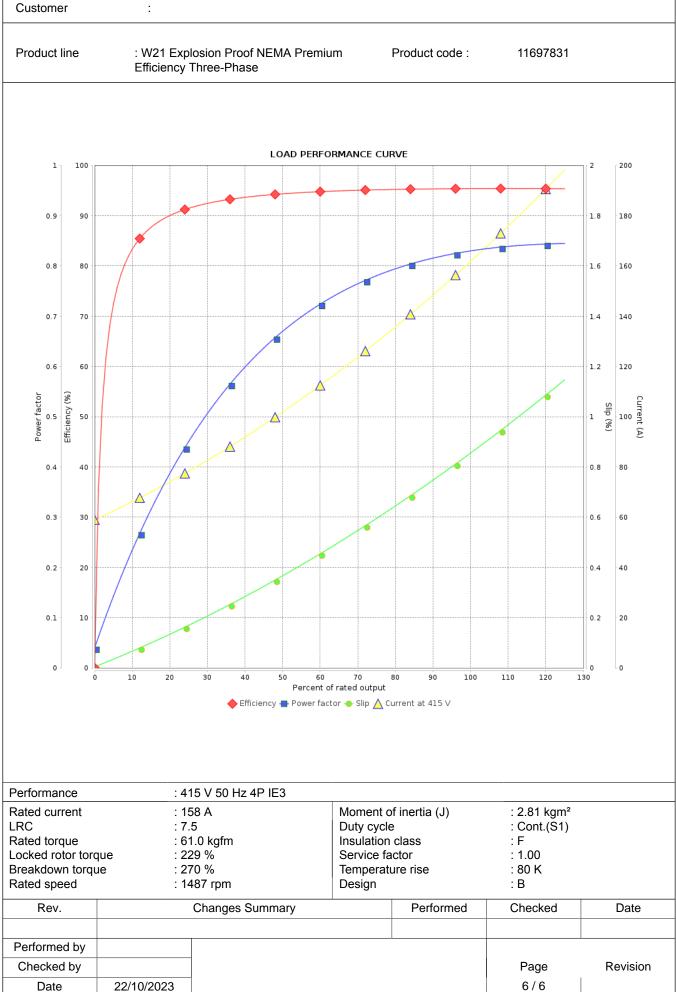
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Subject to change without notice

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