DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

		: W21 Explosion Proo Premium Efficiency Th		luct code : 1439	0091		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection dograe		: 324T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55	MountingCont.(S1)Rotation120°C to +40°CStarting method000 m.a.s.l.Approx. weight3		: F-1 : Both (CW and CCW) od : Direct On Line t ³ : 294 kg		
Protection degree Design		: B	Moment of h	Noment of inertia (J) : 0.3441 kgm²			
Output [HP]		40	40	40	40		
Poles		4	4	4	4		
Frequency [Hz]		60	50	50	50		
Rated voltage [V]		230/460	380	400	415		
Rated current [A]		96.4/48.2	58.7	56.1	54.1		
L. R. Amperes [A]		742/371	364	387	400		
LRC [A]		7.7x(Code J) 46.0/23.0	6.2x(Code G) 22.8	6.9x(Code H) 24.1	7.4x(Code J) 25.3		
No load current [A]		46.0/23.0	1470	1475	1475		
Rated speed [RPM] Slip [%]		1.11	2.00	1475	1475		
Rated torque [kgfr	nl	16.4	19.9	19.8	1.07		
_ocked rotor torqu		270	200	229	250		
Breakdown torque		300	210	229	250		
Service factor	. [, 6]	1.15	1.00	1.00	1.00		
Temperature rise		80 K	80 K	80 K	80 K		
Locked rotor time		34s (cold) 19s (hot)	45s (cold) 25s (hot)	45s (cold) 25s (hot)	45s (cold) 25s (hot		
Noise level ²		71.0 dB(A)	69.0 dB(A)	69.0 dB(A)	69.0 dB(A)		
Efficiency (%)	25%	92.8	93.4	92.9	92.7		
	50%	93.0	93.0	93.0	92.4		
	75%	94.1	93.0	93.0	93.6		
	100%	94.1	92.4	93.0	93.0		
Power Factor	25%	0.39	0.45	0.42	0.39		
	50%	0.66	0.72	0.68	0.66		
	75%	0.77	0.81	0.79	0.77		
	100%	0.83	0.84	0.83	0.83		
Bearing type Sealing Lubrication interval Lubricant amount		: 6312 C3 62	12 C3 Max. traction	Foundation loadsMax. traction: 497 kgfMax. compression: 792 kgf			
Lubrication interv			3 g				
Lubrication interv Lubricant amoun	nt	: 21 g 1 : Mobil Polyrex E	3 g				
Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and can aces and can ed. notor from the 1m and with to weight subjec ocess.	: 21 g 1 : Mobil Polyrex E 0 SFA 107A cel the previous one, wl shaft end. olerance of +3dB(A).	3 g EM nich These are av	rerage values based on t subject to the tolerance			
Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and can aces and can ed. notor from the 1m and with to weight subjec ocess.	: 21 g 1 : Mobil Polyrex E 0 SFA 107A cel the previous one, wl shaft end. olerance of +3dB(A).	a g EM nich These are av power supply MG-1.		es stipulated in NEMA		
Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and can aces and can ed. notor from the 1m and with to weight subjec ocess.	21 g 1 Mobil Polyrex E 0 SFA 107A cel the previous one, wh shaft end. olerance of +3dB(A). t to changes after	a g EM nich These are av power supply MG-1.	ν, subject to the tolerance	es stipulated in NEMA		
Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	aces and can aces and can ed. notor from the 1m and with to weight subjec ocess.	21 g 1 Mobil Polyrex E 0 SFA 107A cel the previous one, wh shaft end. olerance of +3dB(A). t to changes after	a g EM nich These are av power supply MG-1.	ν, subject to the tolerance	es stipulated in NEMA		

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

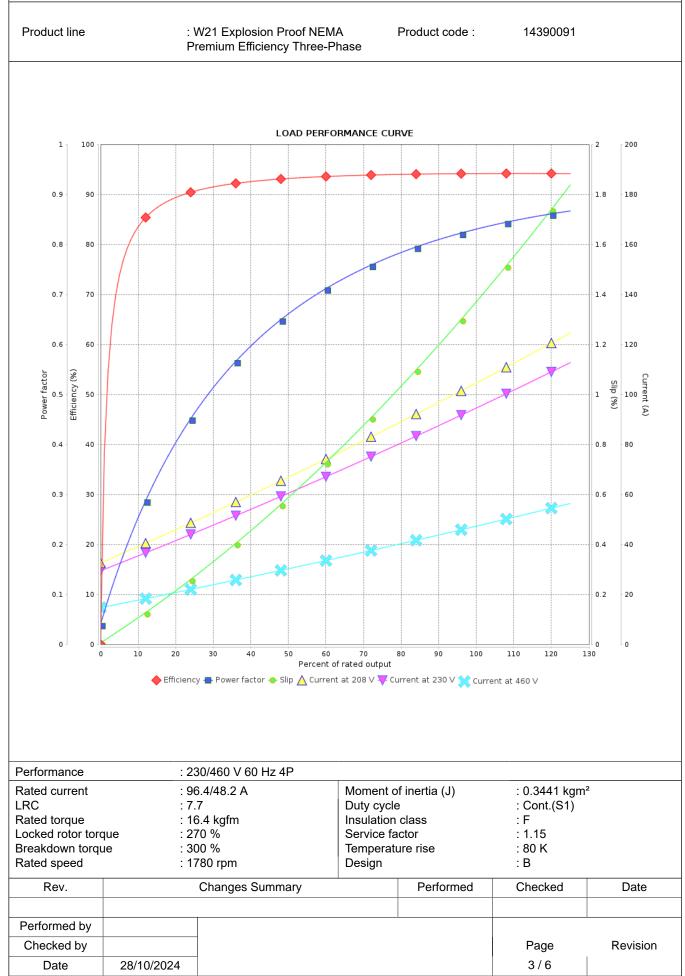
ID	Application	Туре	Quantity	Sensina	g Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C	
Rev.	Chang	jes Summary	Performed	Checked	Date	
Performed by Checked by				Page	Revision	



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.

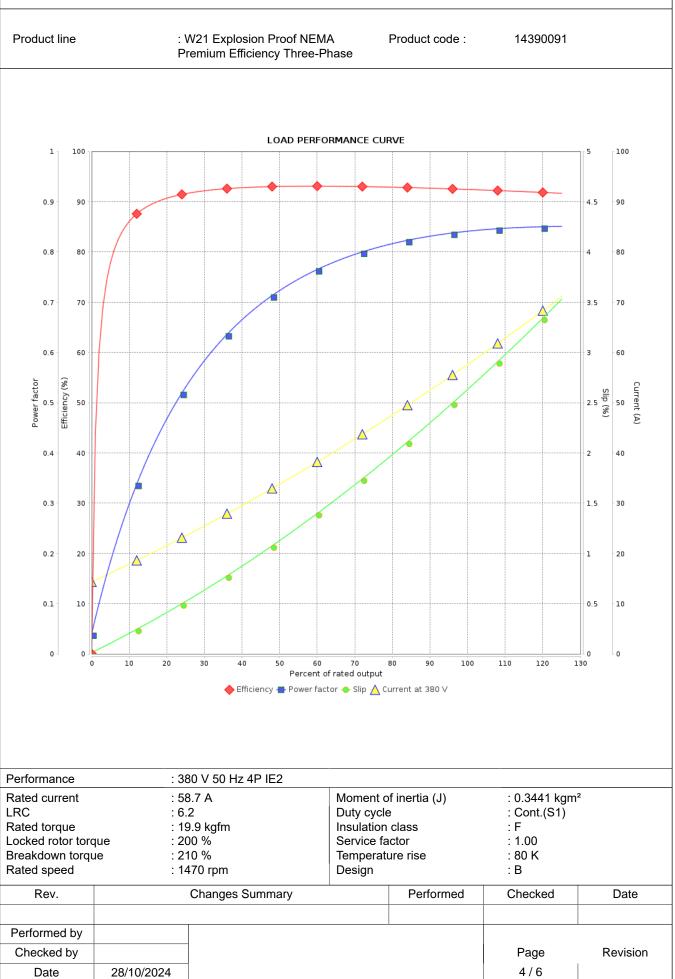
Subject to change without notice

Three Phase Induction Motor - Squirrel Cage

:



Customer



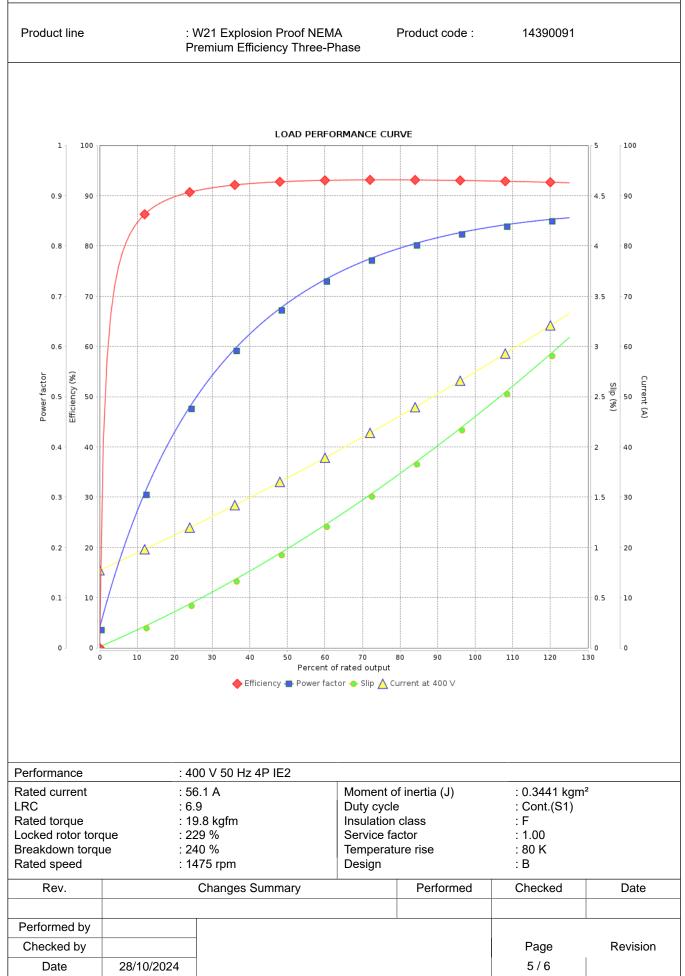
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

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.

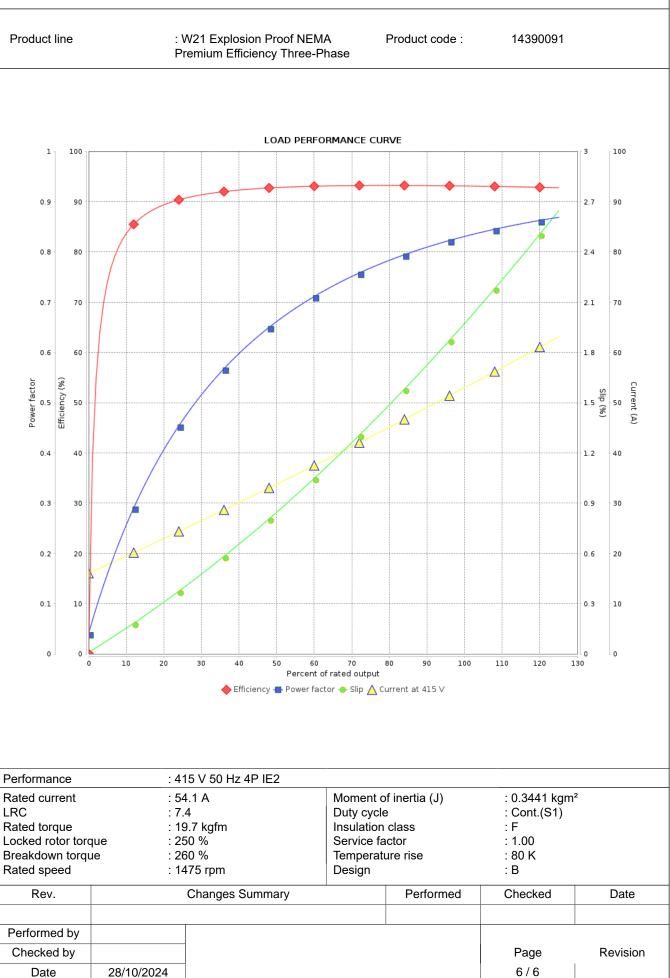
Subject to change without notice

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