DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Insulation class :: F Mounting :: F- Ambient temperature :: 20°C to +40°C Rotation ¹ :: Be Antitude :: 1000 m.a.s.l. Approx. weight ² :: 58 Output [HP] 15 10 10 15 Output [HP] 15 10 10 15 10 Coluput [HP] 60 50 50 50 50 760 Rated voltage [V] 230/460 380 400 415 380 112 116		se Coup		np NEMA Pre ase	emiun	า	Product code	e: 1'	1083242		
Protection degree : P21 Moment of inertia (J) : 0.0 Design : B	Insulation class Duty cycle			: F : Cont.(S1)			ng n¹ g method	:	: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line		
Poles 2 2 2 2 2 2 2 2 2 2 2 2 7 7 7 7 1 3 1 2 1 <th1< th=""> 1 <th1< th=""> <th1< th=""></th1<></th1<></th1<>	Protection degree			: IP21					: 58.9 kg : 0.0243 kgm²		
Frequency [Hz] 60 50 50 50 50 Rated vortage [V] 230/460 380 400 415 380 Rated current [A] 34.8/17.4 14.3 13.7 13.4 21.5 L.R. Amperes [A] 251/125 93.0 95.9 93.8 112 LRC [A] 7.2x(Code H) 6.5x(Code 7.0x(Code H)7.0x(Code H)5.2x(Code E) 60 No load current [A] 11.6/5.80 5.50 5.60 5.70 5.12 Rated Speed [RPM] 3.10 2.48 2.47 2.47 3.83 Rated torque [Kg/m] 3.10 2.48 2.47 2.47 3.77 Locked rotor torque [%] 210 210 229 250 170 Breakdown torque [%] 2170 280 310 330 229 Service factor 1.15 1.15 1.15 1.15 1.15 Emperature rise 80 K 80 K 80 K 80 K 80 K Locked rotor time 169 (obl) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>15</td> <td>15</td>									15	15	
Bated voltage [V] 230/460 380 400 415 380 Cated current [A] 34.8/17.4 14.3 13.7 13.4 21.5 R. Amperes [A] 251/125 93.0 95.9 93.8 112 R.C [A] 7.2x(Code H) 6.5x(Code 7.0x(Code H)7.0x(Code H)5.2x(Code E) G) No load current [A] 11.6/5.80 5.50 5.60 5.70 5.12 Stated speed [RPM] 3515 2930 2935 2935 2835 Stated torque [kgfm] 3.10 2.48 2.47 2.47 3.77 Stated torque [kgfm] 3.10 2.48 2.47 2.47 3.77 Stated torque [kgfm] 3.10 2.48 2.47 2.47 3.30 229 Service factor 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 Service factor 1.15 1.15 1.15 1.16 2.5 0.6 0.6 0.6 0.6 0.6 0.6 0									2	2	
lated current [A] 24.8/17.4 14.3 13.7 13.4 21.5 .R. Amperes [A] 251/125 93.0 95.9 93.8 112 RC [A] 7.2x(Code H) 6.5x(Code C) 7.0x(Code H) 5.2x(Code E) Isol load current [A] 11.6/5.80 5.50 5.60 5.70 5.12 lated speed [RPM] 3515 2930 2935 2935 2085 sted torque [kgfm] 3.10 2.48 2.47 2.47 3.77 ocked rotor torque [%] 210 210 229 250 170 sterkic cator 1.15 1.15 1.15 1.15 1.15 1.15 ervice factor 1.15 1.15 1.15 1.15 1.15 1.15 1.25 (old) ervice factor 1.16 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.25 (old) 128 (old) 128 (old) 128 (old) 128 (old) <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>50 400</td> <td>50 415</td>									50 400	50 415	
.R. Amperes [A] 251/125 93.0 95.9 93.8 112 .RC [A] 7.2x(Code H) 6.5x(Code H) 7.0x(Code H) 5.2x(Code E) .Go laad current [A] 11.6/5.80 5.50 5.60 5.70 5.12 Rated speed [RPM] 3515 2930 2935 2935 2885 Big [%] 2.36 2.33 2.17 2.17 3.83 ated torque [%] 210 229 250 170 ocked rotor torque [%] 270 280 310 330 229 service factor 1.15 1.15 1.15 1.15 1.15 (old) 12s (cold) 12s (cold) </td <td colspan="2">Rated current [A]</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20.6</td> <td>19.9</td>	Rated current [A]								20.6	19.9	
RC [A] 7.2x(Code H) 6.5x(Code 7.0x(Code H) 7.0x(Code H) 5.2x(Code E) io load current [A] 11.6/5.80 5.50 5.60 5.70 5.12 tated speed [RPM] 3515 2930 2935 2935 2885 stated speed [RPM] 3.10 2.48 2.47 2.47 3.77 ocked rotor torque [%] 210 210 229 250 170 strated torque [kgfm] 3.10 2.48 2.47 2.47 3.77 ocked rotor torque [%] 270 280 310 330 229 service factor 1.15 1.15 1.15 1.15 1.15 1.15 ervice factor 1.15 <td colspan="2"></td> <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> <td>122</td> <td>127</td>									122	127	
Rated speed [RPM] 3515 2930 2935 2935 2885 Stip [%] 2.36 2.33 2.17 2.17 3.83 stated torque [kgfm] 3.10 2.48 2.47 2.17 3.83 cocked rotor torque [%] 210 210 229 250 170 breakdown torque [%] 270 280 310 330 229 service factor 1.15 1.15 1.15 1.15 1.15 imperature rise 80 K 80 K 80 K 80 K 80 K 80 K cocked rotor time 168 (cold) 12s (cold)				H) 6.5x(Code						6.4x(Code G)	
Rated speed [RPM] 3515 2930 2935 2985 2885 Silp [%] 2.36 2.33 2.17 2.17 3.83 Sated torque [Kgfm] 3.10 2.48 2.47 2.47 3.77 Jocked rotor torque [%] 210 210 229 250 170 Breakdown torque [%] 270 280 310 330 229 Service factor 1.15 1.15 1.15 1.15 1.15 1.15 Femperature rise 80 K	lo load current [A]		/5.80	5.50		5.60	5.70	5.12	5.90	6.68	
Bated torque [kgfm] 3.10 2.48 2.47 2.47 3.77 .cocked rotor torque [%] 210 210 229 250 170 Breakdown torque [%] 270 280 310 330 229 Service factor 1.15 1.15 1.15 1.15 1.15 1.15 Image: Service factor 1.15 1.15 1.15 1.15 1.15 1.15 Service factor 168 (cold) 12s (cold) 12s (cold) 12s (cold) 12s (cold) 12s (cold) Notes level? 69.0 dB(A) - - - - - Efficiency (%) 50% 91.0 90.0 90.0 90.0 86.5 - Power Factor 50% 0.73 0.75 0.74 0.70 0.84 100% 0.87 0.88 0.87 0.83 0.81 0.89 100% 0.87 0.88 0.87 0.86 0.90 - Sealing : <									2900	2910	
ocked rotor torque [%] 210 210 229 250 170 greakdown torque [%] 270 280 310 330 229 pervice factor 1.15 1.15 1.15 1.15 1.15 1.15 greakdown torque [%] 270 280 310 330 229 pervice factor 1.15 1.15 1.15 1.15 1.15 1.15 greakdown torque [%] 25% 80 K 80 K 80 K 80 K 80 K 80 K ocked rotor time 16s (cold) 12s (cold) 12s (cold) 12s (cold) 7s (hot) 7s (hot				2.33					3.33	3.00	
Breakdown torque [%] 270 280 310 330 229 Bervice factor 1.15 1.15 1.15 1.15 1.15 1.15 emperature rise 80 K									3.75	3.74	
Service factor 1.15									190	210	
Emperature rise 80 K									260	290	
Locked rotor time 16s (cold) 12s (cold) 7s (hot)									1.15	1.15	
9s (hot) 7s (hot) 1	emperature rise								80 K	80 K	
Efficiency (%) 25% 0 0 88.0 88.0 88.0 88.0 86.5 75% 91.0 90.0 90.0 90.0 86.5 100% 91.0 90.0 90.0 86.5 100% 86.5 100% 91.0 90.5 90.7 86.5 Power Factor 50% 0.73 0.75 0.74 0.70 0.84 75% 0.82 0.85 0.83 0.81 0.89 Bearing type 100% 0.87 0.88 0.87 0.86 0.90 Max. traction 117 Sealing : Without Without Without Max. compression : 230 Lubrication interval : - - - - Max. compression : 230 Notes USABLE @208V 38.5A SF 1.15 SFA 44.3A Mobil Polyrex EM Max. compression : 230 Notes USABLE @208V 38.5A SF 1.15 SFA 44.3A MG-1. MG-1. MG-1. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). <td< td=""><td colspan="2"></td><td>(hot)</td><td colspan="2"></td><td></td><td></td><td></td><td>12s (cold) 7s (hot)</td><td>12s (cold) 7s (hot)</td></td<>			(hot)						12s (cold) 7s (hot)	12s (cold) 7s (hot)	
Efficiency (%) 50% 90.2 88.0 88.0 89.0 86.5 75% 91.0 90.0 90.0 90.0 86.5 90.7 86.5 Power Factor 25%		69.0	dB(A)								
Efficiency (%) 75% 91.0 90.0 90.0 90.0 86.5 100% 91.0 90.5 90.5 90.7 86.5 Power Factor 50% 0.73 0.75 0.74 0.70 0.84 75% 0.82 0.85 0.83 0.81 0.89 0.90 Bearing type : 6209 ZZ 6206 ZZ Foundation loads Max. traction : 17' Sealing : · - - · Max. traction : 236 Lubrication interval : - - · Max. traction : 236 Lubricant amount : - - · · · · · : 236 Notes USABLE @208V 38.5A SF 1.15 SFA 44.3A Max. traction : 236 ·											
100% 91.0 90.0 90.0 90.0 80.3 100% 91.0 90.5 90.5 90.7 86.5 Power Factor 50% 0.73 0.75 0.74 0.70 0.84 75% 0.82 0.85 0.83 0.81 0.89 0.90 Bearing type : 6209 ZZ 6206 ZZ Kax. traction : 17' Sealing : Without Without Without Max. compression : 230 Lubrication interval : - - - . . Lubrication replaces and cancel the previous one, which must be eliminated. Mobil Polyrex EM MG-1. . . Notes USABLE @208V 38.5A SF 1.15 SFA 44.3A These are average values based on power supply, subject to the tolerand MG-1. . . (2) Measured at 1m and with tolerance of +3dB(A). (4) At 100% of full load. E 									86.5	86.5	
Power Factor 25% <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>86.5</td><td>87.5</td></t<>									86.5	87.5	
Power Factor 50% 0.73 0.75 0.74 0.70 0.84 75% 0.82 0.85 0.83 0.81 0.89 0.89 100% 0.87 0.88 0.87 0.86 0.90 0.87 Bearing type : 6209 ZZ 6206 ZZ Max. traction : 17' Sealing : Without Without Max. compression : 230 Lubrication interval : - - - Lubricant amount : : : : : : : : : : : : : : : : : : :		9	1.0	90.5		90.5	90.7	86.5	86.5	87.5	
Power Factor 75% 0.82 0.85 0.83 0.81 0.89 100% 0.87 0.88 0.87 0.86 0.90 Bearing type : 6209 ZZ 6206 ZZ Max. traction : 17' Sealing : Without Without Max. compression : 230 Lubrication interval : - - - Lubricant amount : - - - Lubricant type : Mobil Polyrex EM Max. compression : 230 Notes USABLE @208V 38.5A SF 1.15 SFA 44.3A These are average values based on power supply, subject to the tolerand MG-1. (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. MG-1. Rev. Changes Summary Performed Check Performed by			70	0.75		0.74	0.70	0.04	0.00	0.70	
100%0.870.880.870.860.90Drive end Bearing type:6209 ZZ6206 ZZKax. traction::Sealing:Without Bearing Seal Bearing Seal Lubrication interval:Max. compression:::Lubrication interval:Image: Compression:: <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> </td> <td>0.80</td> <td>0.76</td>									0.80	0.76	
Drive end Bearing type Drive end 6209 ZZ Non drive end 6206 ZZ Foundation loads Sealing : Without Bearing Seal Lubrication interval : 17' Max. traction Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM Max. compression : 230 Notes : - - - - Lubricant type : Mobil Polyrex EM Max. compression : 230 Notes : : - - - USABLE @208V 38.5A SF 1.15 SFA 44.3A : These are average values based on power supply, subject to the tolerance (1) Looking the motor from the shaft end. : : MG-1. (2) Measured at 1m and with tolerance of +3dB(A). : MG-1. (3) Approximate weight subject to changes after manufacturing process. : Performed Check (4) At 100% of full load. : : : : : Performed by : : : : : : Rev. Changes Summary <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.89</td> <td>0.88</td>									0.89	0.88	
Bearing type : 6209 ZZ 6206 ZZ Max. traction : 17' Sealing : Without Without Max. compression : 230 Lubrication interval : - - Lubricant amount : 230 Lubricant amount : - - - Lubricant amount : 230 Notes : Mobil Polyrex EM Moximum Compression : 230 Notes : : - - USABLE @208V 38.5A SF 1.15 SFA 44.3A : : : This revision replaces and cancel the previous one, which must be eliminated. : : : (1) Looking the motor from the shaft end. : : : MG-1. (2) Measured at 1m and with tolerance of +3dB(A). : : MG-1. : (3) Approximate weight subject to changes after manufacturing process. : : : : : (4) At 100% of full load. : : : : : : : Performed by : : : : : : : :	0				<u> </u>			0.00	0.00	0.00	
Sealing : Without Without Max. raduum Sealing : Without Without Max. compression : 230 Lubrication interval : - - - - Lubricant amount : - <td colspan="2" rowspan="3"></td> <td colspan="3" rowspan="2">: 6209 ZZ 6206 ZZ</td> <td></td> <td></td> <td></td> <td colspan="3" rowspan="2">: 171 kgf : 230 kgf</td>			: 6209 ZZ 6206 ZZ						: 171 kgf : 230 kgf		
Bearing Seal Bearing Seal Lubrication interval - Lubricant amount - Lubricant type Mobil Polyrex EM Notes USABLE @208V 38.5A SF 1.15 SFA 44.3A This revision replaces and cancel the previous one, which must be eliminated. These are average values based on power supply, subject to the tolerand (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). MG-1. (3) Approximate weight subject to changes after manufacturing process. MG-1. (4) At 100% of full load. Performed Changes Summary Performed by											
Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM Notes USABLE @208V 38.5A SF 1.15 SFA 44.3A This revision replaces and cancel the previous one, which must be eliminated. These are average values based on power supply, subject to the tolerance of +3dB(A). (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. Rev. Changes Summary Performed Performed by											
Lubricant amount : - - Lubricant type : Mobil Polyrex EM Notes USABLE @208V 38.5A SF 1.15 SFA 44.3A This revision replaces and cancel the previous one, which must be eliminated. These are average values based on power supply, subject to the tolerand (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). MG-1. (3) Approximate weight subject to changes after manufacturing process. MG-1. (4) At 100% of full load. Performed Performed by			anny 5 -	ear bearing	Seal						
Lubricant type : Mobil Polyrex EM Notes USABLE @208V 38.5A SF 1.15 SFA 44.3A This revision replaces and cancel the previous one, which must be eliminated. These are average values based on power supply, subject to the tolerand (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). MG-1. (3) Approximate weight subject to changes after manufacturing process. MG-1. (4) At 100% of full load. Performed by		:	-	-							
USABLE @208V 38.5A SF 1.15 SFA 44.3A This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. Rev. Changes Summary Performed Chece Performed by		:	Mobi	I Polyrex EM							
must be eliminated. power supply, subject to the tolerand (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). MG-1. (3) Approximate weight subject to changes after manufacturing process. MG-1. (4) At 100% of full load. Performed Performed by Image: Summary	F	1.15 SFA	A 44.3A								
(4) At 100% of full load. Rev. Changes Summary Performed Check Performed by	n t /itł	he shaft h tolerand	end. ce of +3	3dB(A).	ו	power s					
Performed by											
	Rev. Changes Summary						Performed Che		ecked	Date	
	Checked by Date 14/01/202								age / 8	Revision	

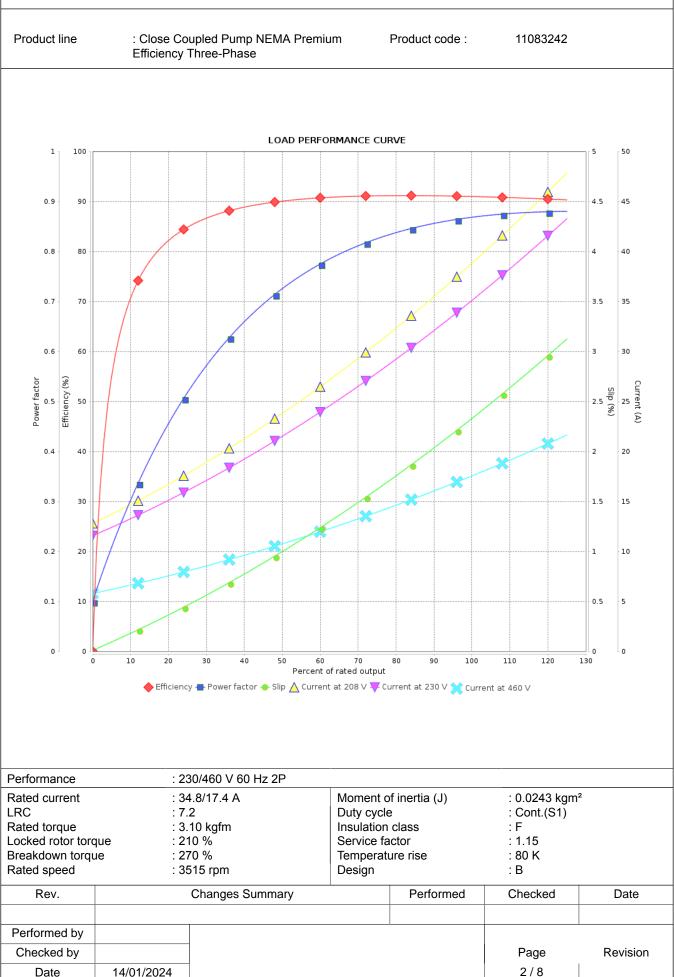
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

Three Phase Induction Motor - Squirrel Cage

:



Customer

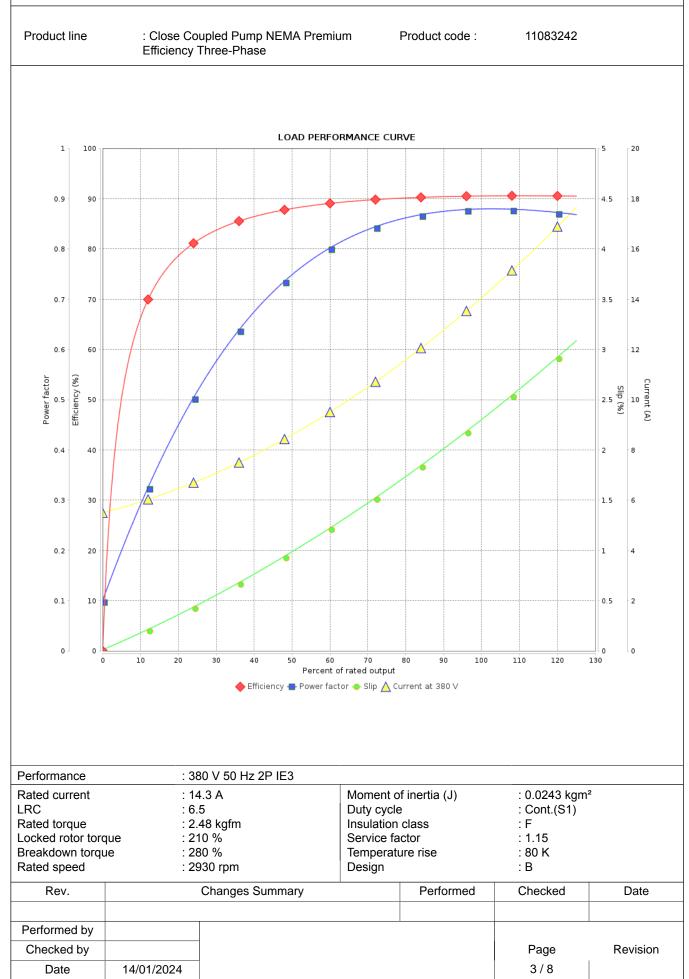


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

Customer



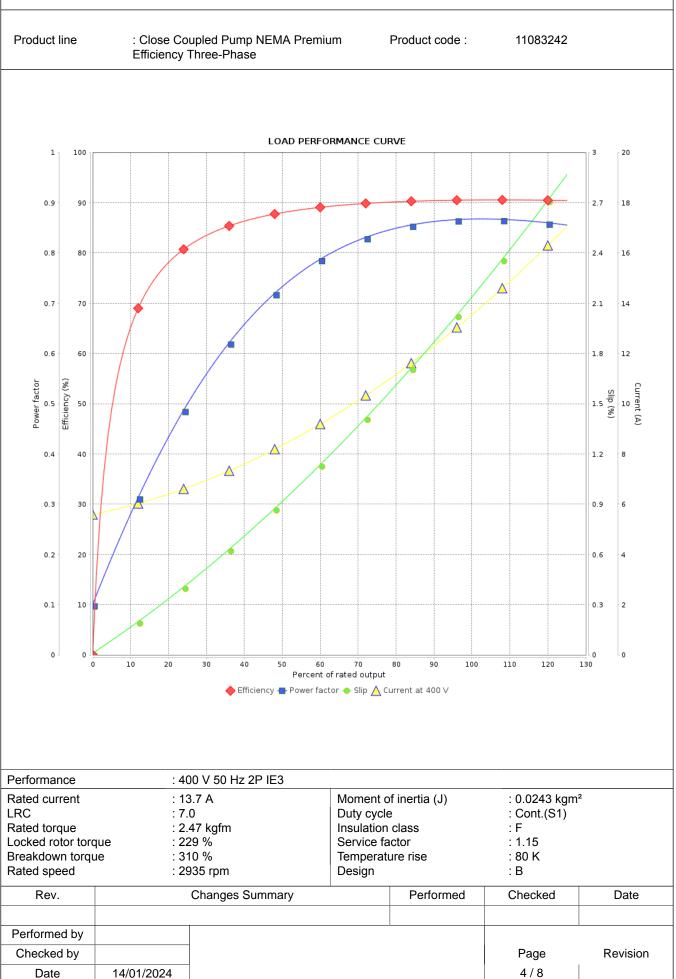
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:



Customer

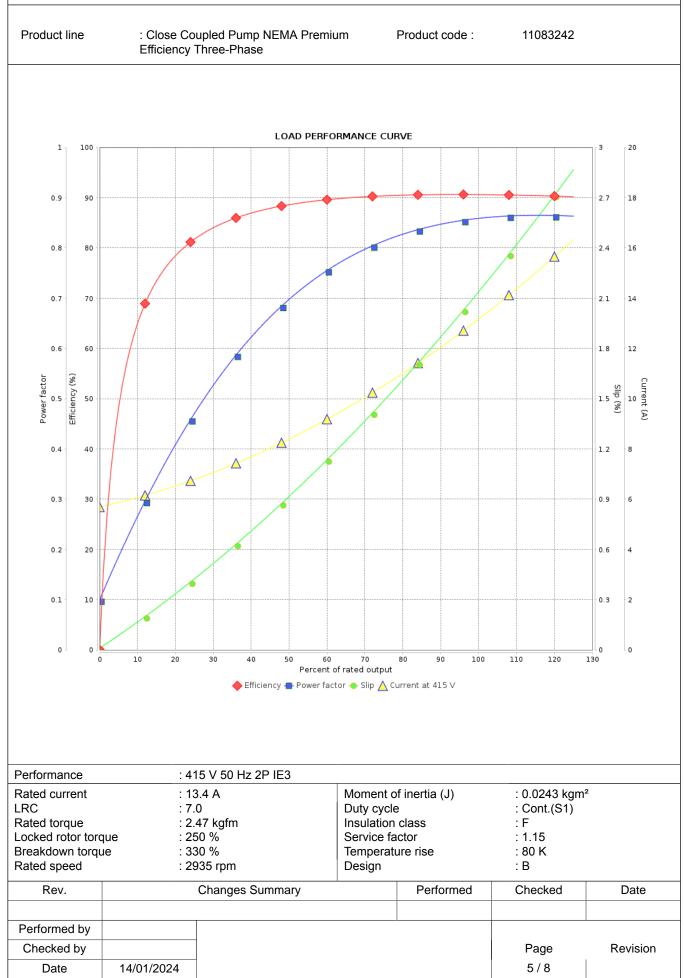


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

Customer



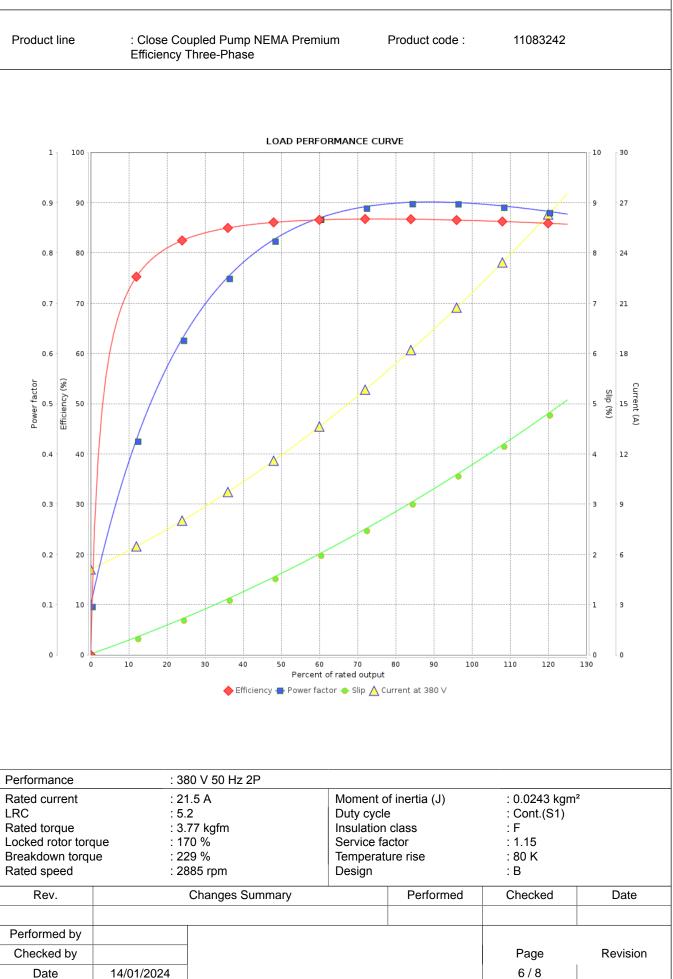
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:



Customer

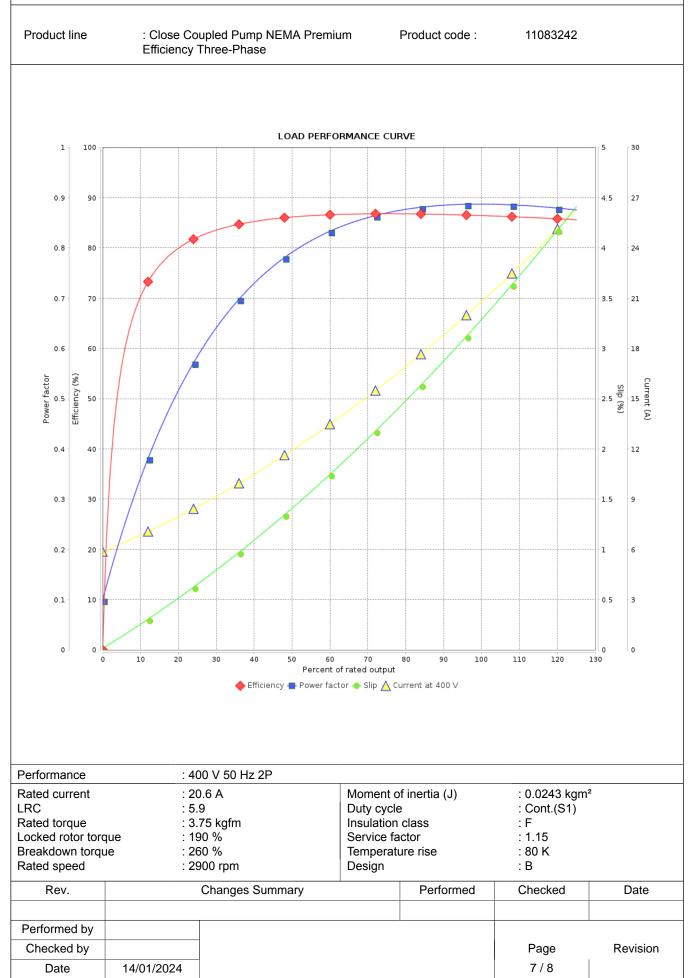


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

Customer



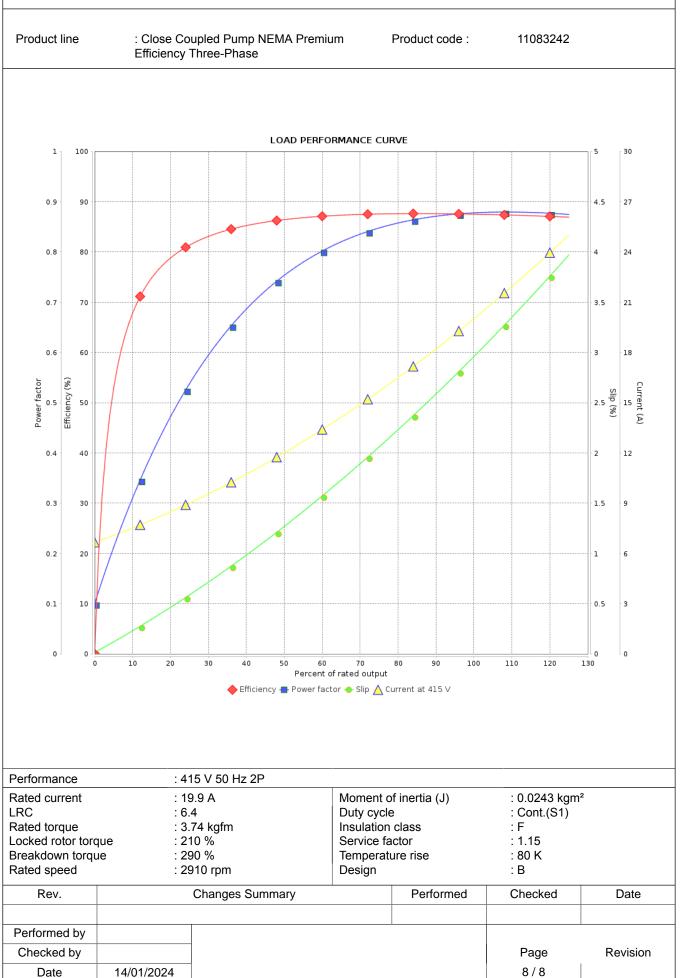
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

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.