DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Product line ::W22 Brake Motor NEMA Premium Product code :: 14679747 Frame ::224/8TC Cocked rator time ::368 (cold) 20s (hot) Poles ::4 Temperature rise ::300 K Prequency ::60 Hz Antibulet ::201 C to 440°C Rated oursent ::376 A Procestom degree ::163 R Rated oursent ::376 A Procestom degree ::163 R No load current ::138 A Rotation ::161 C to 440°C Nated speed ::1775 rpm Noise level* ::060 deg/a) Noise level* ::060 deg/a) ::060 deg/a) ::060 deg/a) Rated speed ::175 rpm Noise level* ::308 kg Rated torque ::240 % Noise level* ::308 kg Breakdown torque ::240 % Max. traction ::340 kgf Locked rotor torque ::229 % Foundation loads Efficiency (%) ::308 kg Breakdown torque ::229 % Foundation loads Efficiency (%) ::308 kg Breakdown torque ::229 % Foundation loads Efficiency (%) ::308 kg Dutput :249 % :000 0,72 0.50 P5 (0.50.25) P7 (0.25.025 62 0 :5.4 4.9	Customer	· · · ·							
Output :40 HP (30 kW) Temperature rise :80 K Preguency :60 Hz Ambient temperature :-20°C to At(31) Rated voltage :575 V Alitude :1000 m.a.s.i. No bad current :137 A Protection degree :1P55 No bad current :138 A Rotation' :60 dB(V) Rated speed :1775 rpm Noise level* :60 dB(V) Rated speed :1775 rpm Noise level* :60 dB(V) Rated voltages :57 V Alitind Aprox. weight* :308 kg Isulation class :F Secting :000 0.36 941 94.1 Max. compression :340 kgf Locked rot rorue :229 % 50% 75% 100% P4 (0.9.0.5) P6 (0.5.0.25) P7 (0.25.0.2 Efficiency (%) 0.00 0.32 9 (0.25:1.0) P4 (0.9.0.5) P6 (0.5.0.25) P7	Product line					emium Product code :		14679747	
Efficiency (%) 0.000 93.6 94.1 94.1 Max. compression ::340 kgf Power Factor 0.00 0.72 0.80 0.85 Max. compression ::648 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0.9:1,0) P2 (0.5:1,0) P3 (0.25;1,0) P4 (0.9:0,5) P5 (0.5:0,5) P7 (0.25;0,25) P7 (0.25;0,25) 6.2 5.4 4.9 2.8 2.0 1.3 0.9 Bearing type : 6312 C3 6212 C3 Sealing Lip Seal Lubrication interval : 20000 h 20000 h 20000 h Lubrication interval : 21 g 13 g Lubricant mount : 21 g Mobil Polyrex EM Moser supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. Changes Summary Performed Checked Date Performed by	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor toro Breakdown torqu Insulation class Service factor Moment of inertia	le	: 40 : 4 : 60 : 575 : 37. : 230 : 6.1 : 13. : 16. : 229 : 240 : F : 1.2 : 0.3	HP (30 kW) Hz 5 V 7 A 0 A x(Code G) 8 A 75 rpm 9 % 4 kgfm 9 % 9 % 9 %		Temper Duty cy Ambien Altitude Protecti Cooling Mountir Rotation Noise le Starting	rature rise rcle in temperature ion degree g method ng n ¹ evel ² g method	: 80 K : Cont.(S1) : -20°C to + : 1000 m.a.: : IP55 : IC411 - TE : F-1 : Both (CW : 66.0 dB(A : Direct On	40°C s.I. FC and CCW)
Efficiency (%) 0.000 93.6 94.1 94.1 Max. compression : 340 kgf Power Factor 0.00 0.72 0.80 0.85 Max. compression : 648 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0.9;1,0) P2 (0.5;1,0) P3 (0.25;1,0) P4 (0.9;0,5) P5 (0.5;0,5) P6 (0.5;0,25) P7 (0.25;0,25) 6.2 5.4 4.9 2.8 2.0 1.3 0.9 Bearing type : 6312 C3 6212 C3 Sealing Lubrication interval : 20000 h 20000 h 20000 h Lubricant amount : 21 g 13 g Lubricant type : Mobil Polyrex EM Mobil Polyrex EM MGe1. MGe1.	Output	25%	50%	75% 100% Foundation loads			tion loads	<u> </u>	
Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9:1,0) P2 (0,5:1,0) P3 (0,25;1,0) P4 (0,9:0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 6.2 5.4 4.9 2.8 2.0 1.3 0.9 Drive end Bearing type : 6312 C3 6212 C3 Sealing : VRing Lip Seal Lubrication interval : 20000 h 20000 h Lubrication interval : 20000 h 20000 h Lubrication replaces and cancel the previous one, which must be eliminated. Mobil Polyrex EM Notes Mobil Polyrex EM Notes Mobil Polyrex is ubject to the tolerances stipulated in NEMA (G-1. (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. Every Changes Summary Performed Checked Date Performed by	Efficiency (%)	0.000	93.6	94.1 9					
P1 (0.9;1.0) P2 (0.5;1.0) P3 (0.25;1.0) P4 (0.9:0.5) P5 (0.5;0.5) P6 (0.5;0.25) P7 (0.25;0.25) 6.2 5.4 4.9 2.8 2.0 1.3 0.9 Bearing type : 6312 C3 6212 C3 58aling Lip Seal Lubrication interval : 20000 h 20000 h 20000 h Lubricant amount : 21 g 13 g Lubricant amount : 21 g 13 g Lubricant type : Mobil Polyrex EM Notes Mobil Polyrex EM Mole Notes	Power Factor	0.00	0.72	2 0.80 0.85		wax. compression		: 648 kgt	
Drive end Bearing type Non drive end 6312 C3 Sealing : V/Ring Lip Seal Lubrication interval : 20000 h 20000 h Lubrication interval : 21 g 13 g Lubrication interval : 21 g 13 g Lubricant amount : : 21 g 13 g Notes Mobil Polyrex EM Notes Notes Mobil Polyrex EM Notes Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Notes Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Notes Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Notes Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Notes Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM (2) Measured at 1m and with tolerance of +3dB(A). MG-1. MG-1. MG-1. (3) Approximate weight subject to changes after manufacturing process. Mobil Polyrex Performed Date Rev. Changes Summary Performed Checked Date Performed by Page Revision <td>P1 (0,9;1,0)</td> <td>P2 (0,5;</td> <td></td> <td>P3 (0,25;1,0)</td> <td>P4 (0</td> <td>),9;0,5)</td> <td>P5 (0,5;0,5)</td> <td></td> <td>P7 (0,25;0,25)</td>	P1 (0,9;1,0)	P2 (0,5;		P3 (0,25;1,0)	P4 (0),9;0,5)	P5 (0,5;0,5)		P7 (0,25;0,25)
Bearing type : 6312 C3 6212 C3 Sealing : VRing Lip Seal Lubrication interval : 20000 h 20000 h Lubricant amount : 21 g 13 g Lubricant type : Mobil Polyrex EM Notes 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 Checked Date Performed by Checked by Checked Date	0.2	5.4				2.0	-		0.9
Notes 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 by Performed by Chacked by	Sealing Lubrication interval Lubricant amount		:	V'Rin 20000	g h	Lip Seal 20000 h 13 g			
must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. power supply, subject to the tolerances stipulated in NEMA (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 Checked Performed by Page Revision									
Performed by Page Revision	must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro-	ed. notor from th 1m and with weight subje ocess.	ne shaft i toleran	end. ce of +3dB(A).	which	power s	•		
Checked by Page Revision	Rev.		C	hanges Summa	ry		Performed	Checked	Date
Checked by Page Revision	Performed by								
Date 13/09/2025 1/3	-							Page	Revision
	-	13/09/20	25					-	

Weq

 e
 13/09/2025
 1 / 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

Brake information

:

Customer

Voltage: 525-575 V Brake Torque: 40.8 kgfm

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 13/09/2025 2/3 Date

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

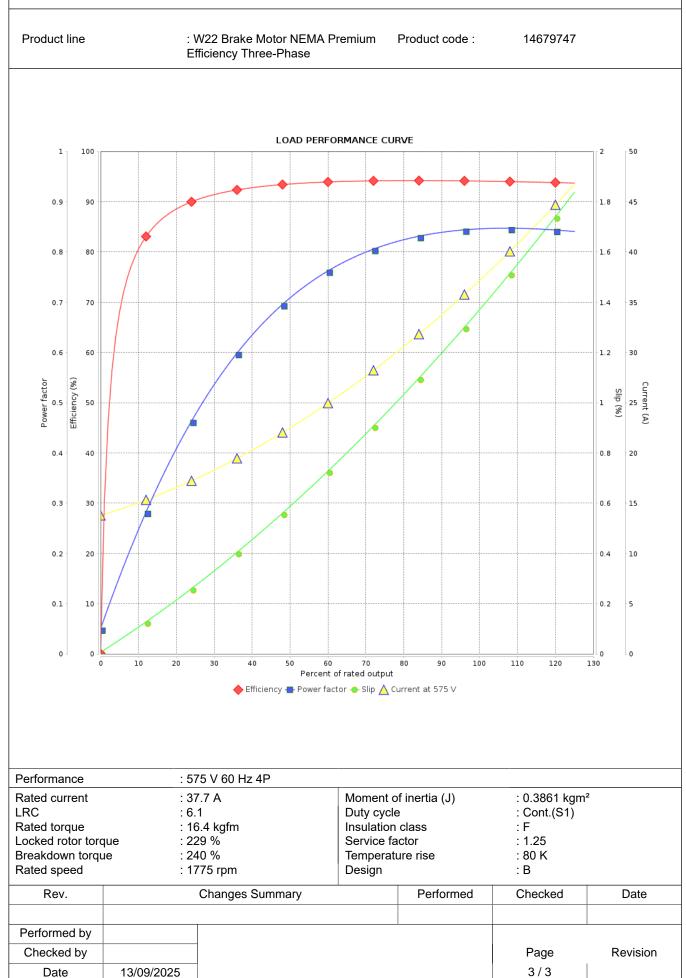


LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

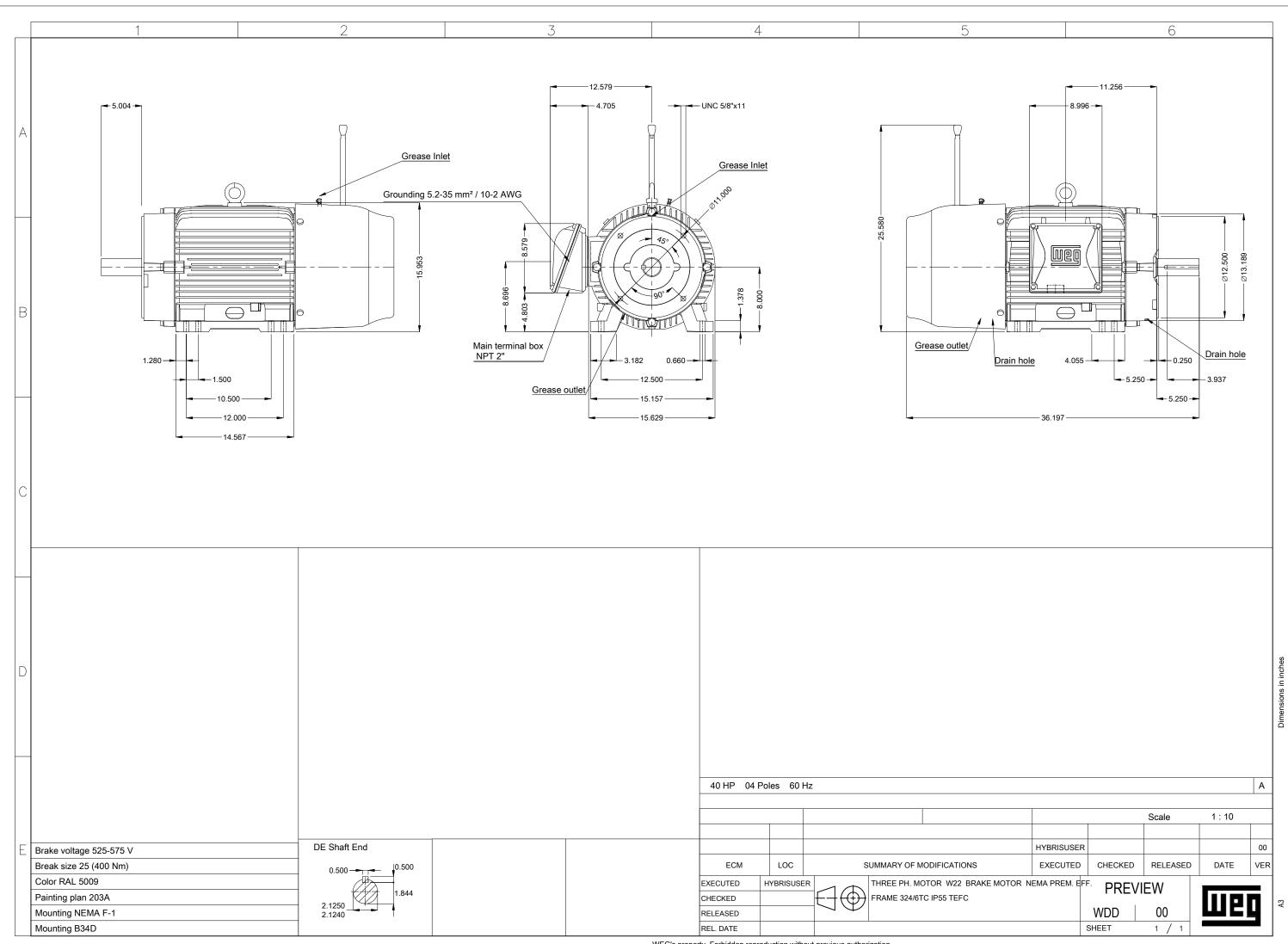
:

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



WEG's property. Forbidden reproduction without previous authorization.