DATA SHEET

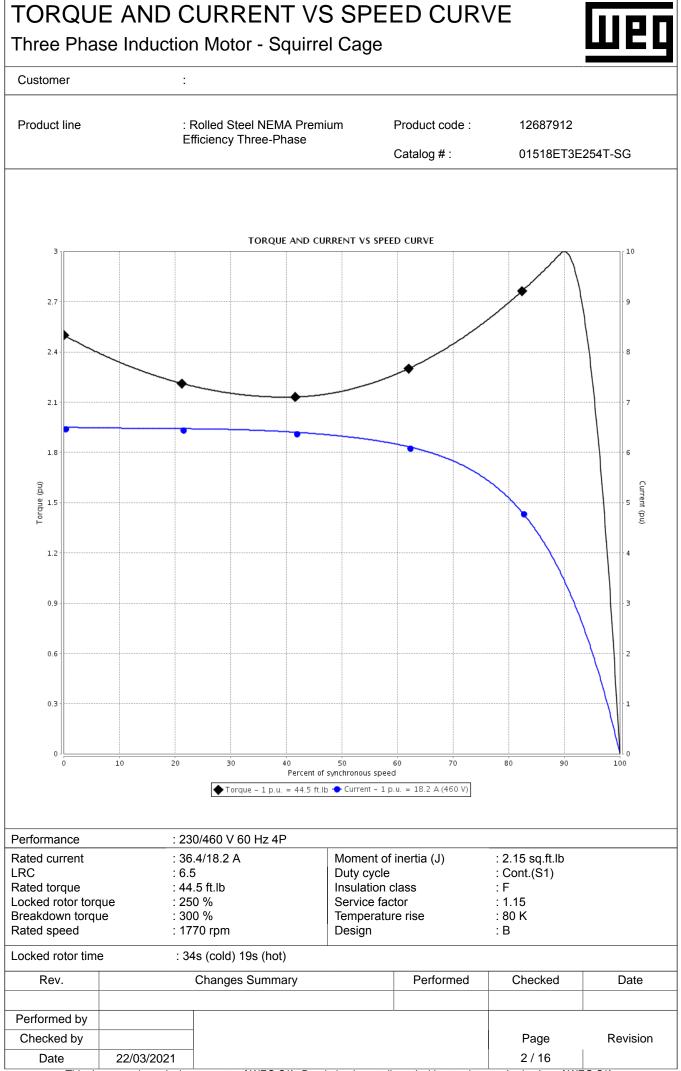
Three Phase Induction Motor - Squirrel Cage

:



Customer

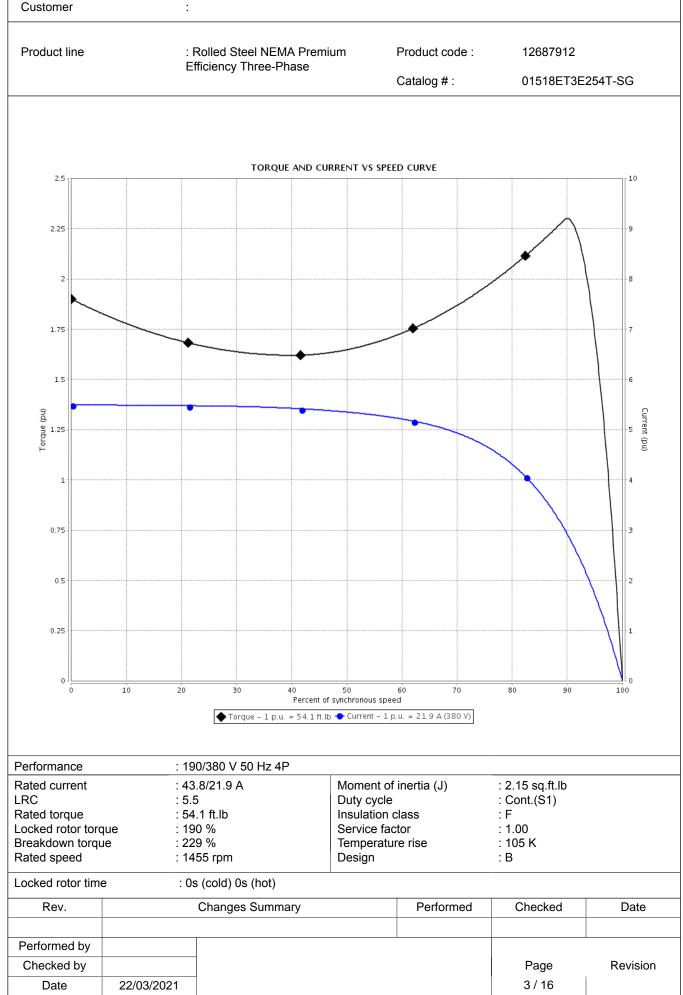
Catalog #: 01518ET3E254T-SG Frame : 254/6T Cooling method : IC411 - TEFC Insulation class : F Mounting : F-1 Duty cycle : Cont.(S1) Rotation1 : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Altitude : 1000 m.a.s.l. Approx. weight3 : 212 lb Protection degree : IP55 Moment of inertia (J) : 2.15 sq.ft.lb Dutput [HP] 15 15 15 Poles 4 4 4 requency [Hz] 60 50 50 Rated voltage [V] 230/460 190/380 220/415 Rated voltage [V] 237/118 241/120 240/127 R. Amperes [A] 237/118 241/120 240/127 R (A) 1.67 3.00 2.67 Rated speed [RPM] 1.770 1455 1460 Silp [%] 1.67 3.00 2.67 Rated speed [RPM] 1.67 <	Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12687912
Insulation class : F Mounting : F-1 Duty cycle : Cont. (S1) Rotation' : Both (CW and CCW) Ambient temperature : 20°C to +40°C Starting method : Direct On Line Protection degree : IP55 Moment of inertia (J) : 212 to Design : B Moment of inertia (J) : 215 sq.ft.tb Dutput [HP] 15 15 15 Tequency [Hz] 60 50 50 Stated current [A] 36.4/18.2 4.38(21.9 39.4/20.9 R. Amperes [A] 230/460 190/380 220/4/15 Stated current [A] 16.6 SK/Code (G) 5.5 K/Code F) 6.1 K/Code (G) Stated speed [RPM] 17.70 1455 1460 Stated speed [RPM] 167 3.00 2.267 State orizen [FM] 1.15 1.00 1.00 Service factor 1.15 1.00 1.00 Service factor time 346 (col) 19s (hot) 05 (cold) 0 (s (hot) 05 (cold) 0 (s (hot) Softward time 30.03			LINGENCY THEE-FILASE	Catalog # :	01518ET3E254T-SG
Insulation class : F Mounting : F-1 Duty cycle : Cont. (S1) Rotation' : Both (CW and CCW) Ambient temperature : 20°C to +40°C Starting method : Direct On Line Protection degree : IP55 Moment of inertia (J) : 212 to Design : B Moment of inertia (J) : 215 sq.ft.tb Dutput [HP] 15 15 15 Tequency [Hz] 60 50 50 Stated current [A] 36.4/18.2 4.38(21.9 39.4/20.9 R. Amperes [A] 230/460 190/380 220/4/15 Stated current [A] 16.6 SK/Code (G) 5.5 K/Code F) 6.1 K/Code (G) Stated speed [RPM] 17.70 1455 1460 Stated speed [RPM] 167 3.00 2.267 State orizen [FM] 1.15 1.00 1.00 Service factor 1.15 1.00 1.00 Service factor time 346 (col) 19s (hot) 05 (cold) 0 (s (hot) 05 (cold) 0 (s (hot) Softward time 30.03	Frame		: 254/6T	Cooling method	: IC411 - TEFC
Duty cycle : Cont.(S1) Rotation ¹ : Both (CW) and CCW) Attitude : 20°C to +40°C Starting method : Direct On Line Attitude : 1000 m.a.s.t. Approx.weight ^a : 21 is sq.ft.b Design : B : 15 : 15 Dutput [HP] : 15 : 15 : 15 Ordes 4 4 4 4 Frequency [Hz] : 60 : 50 : 50 : 50 Atted voltage [M] : 230/460 : 90/380 : 220/415 : 349/20.9 R. Amperes [A] : 230/460 : 90/380 : 220/415 : 349/20.9 : 349/20.9 R. Cip [A] : 65.x(Code G) : 5.5x(Code F) : 6.1(Xi02de G) : 240/127 R. Gip [A] : 17.70 : 1455 : 1460 : 319/51 Sig [%] : 1.67 : 300 : 267 : 39/20.9 Sig [%] : 1.67 : 300 : 267 : 39/20.9 Sig [%] : 1.67 : 300 : 267 : 39/20.9 Sig [%]					
Ambient temperature : 20°C to ×40°C Starting method : Direct On Line Approx.weight* : 212 lb Protoction degree : IP55 Moment of inertia (J) : 212 lb Dutput [HP] 15 15 15 Frequency [Hz] 60 50 20 Started current [A] 36.4/18.2 4.38(21.9) 39.4/20.9 R. Amperes [A] 230/460 190/380 220/415 Started current [A] 36.4/18.2 4.38(21.9) 39.4/20.9 R. Amperes [A] 230/460 190/380 220/415 Started socied [FPM] 17.78.65 17.178.53 17.596.28 Started socied [FPM] 167 3.00 2.67 Started corrent [A] 167 3.00 2.267 Started forque [%] 260 190 210 Starded corrent [A] 1.15 1.00 1.00 Starte dorize [%] 300 229 280 Service factor 10.16 10.5 K 105 K Cocked rotor troue [%] 50% 9.0.4					: Both (CW and CCW)
Altitude : 1000 m.a.s.l. Approx.weight ^a : 212 lb Protection degree : IPS5 Moment of inertia (J) : 215 sq.ft.lb Dutput [HP] 15 15 15 olds 4 4 4 frequency [H2] 60 50 50 atted voltage [V] 230/460 190/380 220/415 atted voltage [V] 230/460 190/380 220/415 atted voltage [V] 65 Sx(Code G) 55 Sx(Code F) 611/(V6) 240/727 .R Amperes [A] 17.76 240/127 240/127 .RC [A] 6.5 Sx(Code G) 55 Sx(Code F) 611/(V6) 240/127 .RC [A] 16.7 3.00 2.67 atted stoged [RPM] 177.0 1455 1460 atted torque [K] 300 2.28 260 Berkice lactor 1.15 1.00 10.0 Emperature rise 80 K 105 K to 105 K Dise level? 26% 9.0.3 92.5 91.9 Efficiency (%)		ature		Starting method	
Protection degree : PF5 : B Moment of inertia (J) : 2.15 sq.ft.lb Design : B 15 15 15 Tequency [Hz] 60 50 20 20 Tequency [Hz] 60 50 20 20 Red oursent [A] 36.4/H2.2 4.38/21.9 39.4/20.9 24/1/20 R. Amperse [A] 237/118 24/1/120 24/0/127 24/0/127 RC [A] 6.5 x/Code G) 5.5 x/Code F) 6.1x/Code G) 5.5 x/Code F) 6.1x/Code G) Stated speed [RPM] 177.0 1455 1460 318 317.59.28 Stated speed [RPM] 1.67 3.00 2.67 34 34.00 2.67 Stated speed [RPM] 1.167 3.00 2.68 300 2.29 2.60 Service factor 1.15 1.00 1.00 1.00 5.05(Code F) 6.04(A) 65.0 dB(A) 65.0					
Design : B Dutput [HP] 15 16 15 Orles 4 4 4 requency [H2] 60 50 50 Stated voltage [V] 230/460 190/380 220/415 Red voltage [V] 230/420.9 240/127 240/127 R. Amperes [A] 237/118 241/12.0 240/127 R. C [A] 6.5x(Code G) 5.5x(Code F) 6.1x(Code G) Volad current [A] 17.78 6.5 17.18.53 17.59.28 Stated speed [RPM] 1770 1455 1460 Silp [%] 1.67 3.00 2.67 Readown torque [%] 300 2.29 260 Service factor 1.15 1.00 1.00 Ferrice factor 1.15 1.00 1.00 Efficiency (%) 75% 92.4 89.9 90.4 Oxise level? 25% 0.39 0.45 0.41 Power Factor 75% 9.24 89.9 90.4	Protection degre	е	: IP55		
Opes 4 4 4 4 4 Prequency [Hz] 60 50 50 Rated voltage [M] 230/460 190/380 220/415 Rate current [A] 36.4/18.2 43.8/21.9 39.4/20.9 R. Amperes [A] 237/118 241/120 240/127 RC [A] 6.5x(Code G) 5.5x(Code F) 6.1x(Code G) No load current [A] 17.38 65 17.1/8.53 17.59/28 Rated speed [RPM] 1770 1455 1460 Silp [%] 1.67 3.00 2.67 Rated forque [%] 250 190 210 Sreakdown torque [%] 300 22.9 260 Service factor 1.15 1.00 1.00 Fermperature rise 38 (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Noise level? 660 AB(A) 65.0 dB(A) 65.0 dB(A) 65.0 dB(A) Reficiency (%) 50% 0.64 0.71 0.61(A) 65.0 dB(A) Sealing VRing					
Frequency [Hz] 60 50 50 Rated vortage [V] 230/460 190/380 220/45 Rated current [A] 36.4/18.2 43.8/21.9 3.9.4/20.9 R. Amperes [A] 237/118 241/120 240/127 RC [A] 6.5x(Code G) 5.5x(Code G) 5.1x(Code G) Sated speed [RPM] 17.70 1455 1460 Sated speed [RPM] 1.67 3.00 2.67 Sated torouge [Rb] 44.5 54.1 54.0 ocked rotor torque [%] 250 190 210 Breakdown torque [%] 300 229 260 Service factor 1.15 1.00 1.05 K Cocked rotor torque [%] 300 225 91.9 Service factor 1.15 1.00 K 50.0 dB(A) Obs (odd) 196 (hot) 05 (cdd) 05 (hot) 05 (cdd) 05 (hot) Vois (cell of three and Non drive end So 028 / 20 91.2 91.4 100% 0.24 0.81 0.73 Drive end Non drive end So 028 / 20 0	Output [HP]		15	15	15
aled voltage [V] 230/460 190/380 220/415 Rated current [A] 36.4/18.2 43.8/21.9 39.4/20.9 R. Amperes [A] 237/118 241/120 240/127 R.C [A] 6.5x(Code G) 5.5x(Code F) 6.1x(Code G) Vol load current [A] 17.3/8.65 17.1/8.53 17.5/9.28 Stated Speed [RPM] 1770 1455 1460 Oxded robit orque [%] 256 190 210 Stated speed [RPM] 1.15 1.00 1.00 Generotation torque [%] 250 190 210 State doron torque [%] 300 229 260 State doron torque [%] 300 229 260 State doron torque [%] 250 100 91.0 State doron torque [%] 25% 0.38 Efficiency (%) 25% 0.39	Poles		4	4	4
Atted current [A] 36.4/16.2 43.8/21.9 39.4/20.9 R. Amperes [A] 237/118 244/1/20 240/127 R. C[A] 0.5X(Code G) 5.5X(Code F) 0.1X(Code G) Valid ourment [A] 17.38.65 17.18.53 17.59.28 Atted speed [RPM] 1.67 3.00 2.67 Stated orouge [ft.1b] 44.4.5 5.4.1 5.4.0 docked rotor torque [%] 260 190 210 Breakdown torque [%] 300 229 260 Service factor 1.15 1.00 1.00 Ferrice factor 1.15 1.00 1.00 Ifficiency (%) 25% 9.0.8 92.5 91.9 25% 9.0.8 92.5 91.9 90.4 25% 0.38 0.45 0.41 1.4 100% 92.4 91.2 91.4 1.2 75% 0.76 0.81 0.76 0.84 0.71 0.67 100% 0.82 0.82	Frequency [Hz]		60	50	50
Stated current [A] 36 4/18.2 43.8/21.9 39.4/20.9 .R. Amperes [A] 237/118 241/120 240/127 .R. Caperes [A] 6.5x(Code G) 5.5x(Code F) 6.1x(Code G) .volue of current [A] 17.38.65 17.18.63 17.59.28 .ated speed [RPM] 1770 1455 1460 .sted torque [ft.10] 44.5 5.4.1 5.40 .ocked rotor torque [%] 250 190 210 .ocked rotor torque [%] 260 190 210 .ocked rotor torque [%] 300 229 260 .ocked rotor torque [%] 300 229 260 .ocked rotor torue 1.15 1.00 1.00 Ifficiency (%) 25% 90.8 92.5 91.9 .ocked rotor torue 345 (cold) 196 (hot) 05 (cold) 05 (hot) 05 (cold) 05 (hot) .ocked rotor torue 25% 9.39 9.0.4 12 .ocked rotor torue .567 (bot) 0.67 0.81 0.75 .ocked rotor .0	Rated voltage [V]		230/460	190/380	220/415
R. Amperes [Å] 237/118 241/120 240/127 .RC [Å] 6.5x(Code G) 5.5x(Code F) 6.1x(Code G) 0.17.59.28 .RC [Å] 17.38.65 17.18.53 17.59.28 1460 310 2.67 .Red torque [fk] 1.167 3.00 2.67 3164 forque [fk] 260 190 210 .Stread forque [fk] 256 190 210 3reakdown torque [%] 260 190 210 .Strex factor 1.15 1.00 1	Rated current [A]		36.4/18.2	43.8/21.9	39.4/20.9
RC [A] 6.5x(Code G) 5.5x(Code F) 6.1x(Code G) vois load current [A] 17.38.65 17.18.53 17.59.28 atacted speed [RPM] 1770 1455 1460 Silp [%] 1.67 3.00 2.67 atacted torque [%] 250 190 210 Strated torque [%] 300 229 2260 Service factor 1.15 1.00 1.00 Freekdown torque [%] 300 229 2260 Service factor 1.15 1.00 1.00 Ifficiency (%) 55% 0.04(A) 65.0 dB(A) 65.0 dB(A) Cocked rotor time 34s (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Vois level 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) 65.0 dB(A) Corket orbor time 34s (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Vois level 25% 0.93 0.45 0.41 0.67 75% 0.24 69.9 90.4 0.85 0.84<					
No load current [A] 17.3/8.65 17.1/8.53 17.5/9.28 Rated speed [RPM] 1770 1465 1460 Stated speed [RPM] 1.67 3.00 2.67 Rated torque [K1b] 44.5 54.1 54.0 cocked robr torque [%] 250 190 210 3reakdown torque [%] 300 229 260 Service factor 1.15 1.00 100 Femperature rise 80 K 105 K 105 K Cacked orbor time 345 (cold) 19s (hot) 05 (cold) 0s (hot) 05 (cold) 0s (hot) Noise level? 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) 65.0 dB(A) Noise level? 25% 9.0.8 92.5 91.9 25% 0.39 0.45 0.41 2.5 75% 92.4 89.9 90.4 2.5 90wer Factor 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 0.81 Dive erd Non drive end Non drive end So dB(A) 8					
Alect speed [RPM] 1770 1455 1460 Slip [%] 1.67 3.00 2.67 Alect orque [%] 250 190 210 Cocked rotor torque [%] 300 229 260 Service factor 1.15 1.00 1.00 Freakdown torque [%] 300 229 260 Service factor 1.15 1.00 1.05 K Cocked rotor time 348 (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Noise level? 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) Cocked rotor time 349 (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Visite level? 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) 65.0 dB(A) Seating 25% 92.4 91.2 91.4 10.5 Power Factor 50% 0.64 0.71 0.67 Totig & 0.76 0.81 0.78 0.84 0.84 Lubrication interval 2000 A 2000 h 2000 h 2000 h 2000 h		1	-	. ,	
Bill [%] 1.67 3.00 2.67 Rated torque [%] 44.5 54.1 54.0 cocked rotor torque [%] 300 229 260 service factor 1.15 1.00 1.00 Emperature rise 80 K 105 K 105 K cocked rotor time 345 (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Obse level* 25% 90.8 92.5 91.9 Efficiency (%) 50% 91.0 91.5 91.2 100% 92.4 91.2 91.4 100% 92.4 91.9 90.4 25% 0.39 0.45 0.41 100% 0.82 0.85 0.84 Power Factor 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 0.84 Bearing type : 13 g & g g g g Lubrication interval : 200 hood hood hood hood hood hood hood ho		-	1		
Rated forque [ft.lb] 44.5 54.1 54.0 cocked rotor torque [%] 250 190 210 strakdown torque [%] 300 229 260 Service factor 1.15 1.00 1.00 Emperature rise 80 K 105 K 105 K cocked rotor time 34s (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Voise level* 68.0 dB(A) 66.0 dB(A) 66.0 dB(A) 50% 91.0 91.5 91.2 25% 0.39 0.45 0.41 100% 92.4 89.9 90.4 25% 0.39 0.45 0.41 100% 0.82 0.85 0.84 Power Factor 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 Max. traction : 567 tb Sealing : YRing YRing Max. compression : 779 lb Ubrication interval : 20000 h 20000 h 2000		ניי ו			
ocked rotor torque [%] 250 190 210 3reakdown torque [%] 300 229 260 Service factor 1.15 1.00 1.00 femperature rise 80 K 105 K 105 K ocked rotor time 34s (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) ocked rotor time 34s (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) ocked rotor time 25% 90.8 92.5 91.9 25% 91.0 91.5 91.2 91.4 100% 92.4 89.9 90.4 90.4 Power Factor 75% 0.76 0.81 0.78 75% 0.76 0.81 0.78 0.85 100% 0.82 0.85 0.84 0.78 100% 0.82 0.85 0.84 0.78 100% 0.82 0.85 0.84 0.78 100% 0.82 0.85 0.84 Max. compression : 567 lb Se		1	1		
Sreakdown torque [%] 300 229 260 Service factor 1.15 1.00 1.00 Emperature rise 80 K 105 K 105 K ocked rotor time 34s (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Voise levelP 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) Efficiency (%) 50% 91.0 91.5 91.9 75% 92.4 91.2 91.4 100% 92.4 91.9 90.4 25% 0.39 0.45 0.41 100% 0.64 0.71 0.67 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 Power Factor 50% 0.64 0.71 0.67 75% 0.76 0.81 0.78 0.84 Ubrication interval 20000 h 2000 h Max. traction : 567 lb Max 105 Max. compression : 779 lb Max. traction : 567 lb				-	
Service factor 1.15 1.00 1.00 Iermperature rise 80 K 105 K 105 K 105 K cocked rotor time 34s (cold) 19s (hot) 0s (cold) 0s (hot)					
Temperature rise 80 K 105 K 105 K .ocked rotor time 34s (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Noise level ² 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) 65.0 dB(A) Efficiency (%) 50% 91.0 91.5 91.2 75% 92.4 91.2 91.4 100% 92.4 91.9 90.4 25% 0.39 0.45 0.41 100% 0.82 0.85 0.84 Power Factor 50% 0.76 0.81 0.78 100% 0.82 0.85 0.84 0.71 0.67 Sealing : VRing VRing Max. traction : 567 lb Lubrication interval :20000 h 20000 h 20000 h 20000 h 20000 h Lubrication interval :13 g 8 g 10 Sealing :779 lb Max. compression :779 lb Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A MGe-1. MGe-1. Geadd in NEMA		[%]			
Locked rotor time 34s (cold) 19s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Voise level* 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) Efficiency (%) 50% 90.8 92.5 91.9 Efficiency (%) 75% 92.4 91.2 91.4 100% 92.4 89.9 90.4 Power Factor 50% 0.64 0.71 0.67 75% 0.76 0.81 0.78 0.84 Dower Factor 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 0.84 Bearing type : 6309 Z C3 6208 Z C3 Max. traction : 567 lb Sealing : V'Ring V'Ring Visit traction hords Max. traction : 567 lb Lubricant mount : 13 g 8 g Mobil Polyrex EM MG-1. Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A VRing VRing Visit for the shaft end. MG-1. (1) Looking the motor from the shaft end.					
Noise level* 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) 65.0 dB(A) Efficiency (%) 25% 90.8 92.5 91.9 25% 90.8 92.5 91.9 75% 92.4 91.2 91.4 100% 92.4 89.9 90.4 25% 0.39 0.45 0.41 50% 0.76 0.81 0.76 100% 0.82 0.85 0.84 Power Factor 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 0.79 Bearing type : 6309 Z C3<6208 Z C3					
25% 90.8 92.5 91.9 Efficiency (%) 75% 92.4 91.2 91.4 100% 92.4 91.2 91.4 100% 92.4 89.9 90.4 25% 0.33 0.45 0.41 00% 0.64 0.71 0.67 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 Power Factor Foundation loads Max. traction 160* Bearing type : 6309 Z C3 6208 Z C3 0.85 0.84 Sealing : VRing VRing Max. traction : 567 lb Max. traction : 16309 Z C3 6208 Z C3 0.85 0.84 Lubricatin interval : 20000 h 20000 h Max. traction : 567 lb Max. traction : 13 g 8 g Max. traction : 567 lb Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A MG-1. MG-1.					
Efficiency (%) 50% 91.0 91.5 91.2 75% 92.4 91.2 91.4 100% 92.4 89.9 90.4 Power Factor 25% 0.39 0.45 0.41 50% 0.64 0.71 0.67 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 Bearing type : 6309 Z C 3 6208 Z C 3 Sealing : V'Ring V'Ring Lubrication interval : 20000 h 2000 h Lubrication interval : 20000 h 2000 h Lubrication interval : 13 g 8 g Lubrication treplaces and cancel the previous one, which must be eliminated. Mosil Polyrex EM Max. traction : Notes USABLE @208V 40:2A SF 1.00 SFA 40:2A Mesare average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. Page Revision	Noise level ²				65.0 dB(A)
Efficiency (%) 75% 92.4 91.2 91.4 100% 92.4 89.9 90.4 100% 92.4 89.9 90.4 Power Factor 50% 0.39 0.45 0.41 50% 0.64 0.71 0.67 0.67 75% 0.76 0.82 0.85 0.84 Bearing type : 6309 Z C3 6208 Z C3 Max. traction : 567 lb Sealing : VRing VRing Not sevent Sealing : 779 lb Lubrication interval : 20000 h 20000 h Max. compression : 779 lb Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A Mobil Polyrex EM Max. compression : 779 lb Notes (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. MG-1 Performed by			90.8		
100% 92.4 91.4 100% 92.4 89.9 90.4 25% 0.39 0.45 0.41 50% 0.64 0.71 0.67 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 Bearing type : 6309 2C3 6208 2C3 Sealing : VRing VRing Max. traction : 567 lb Lubrication interval : 20000 h 20000 h Max. compression : 779 lb Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A Max. compression : 779 lb MG-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. MG-1. MG-1. Performed by	Efficiency (0/)		91.0	91.5	91.2
100% 92.4 89.9 90.4 Power Factor 25% 0.39 0.45 0.41 50% 0.64 0.71 0.67 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 Bearing type : 6309 Z C3 6208 Z C3 Max. traction loads Sealing : V'Ring V'Ring Value and the mount : Lubrication interval : 20000 h 20000 h Max. compression : 779 lb Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A Mobil Polyrex EM Max. compression : 779 lb Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA (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. MG-1. MG-1. Rev. Changes Summary Performed Checked Date Page Revision 1/ 16 Page Revision	Enciency (%)	75%	92.4	91.2	91.4
Power Factor 25% 0.39 0.45 0.41 Forward Factor 50% 0.64 0.71 0.67 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 Bearing type : 6309 Z C3 6208 Z C3 Max. traction : 567 lb Sealing : V'Ring V'Ring Max. compression : 779 lb Lubrication interval : 20000 h 20000 h Max. compression : 779 lb Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A These are average values based on tests with sinusoidal mover supply, subject to the tolerances stipulated in NEMA (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. (4) At 100% of full load. Image: supply subject to the clearance stipulated in NEMA Rev. Changes Summary Performed Checked Date Page Revision 1/16 Page Revision			1		
Power Factor 50% 0.64 0.71 0.67 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 Bearing type : 6309 Z C3 6208 Z C3 Max. traction : 567 lb Sealing : V'Ring V'Ring Max. compression : 779 lb Lubrication interval : 20000 h 20000 h Max. compression : 779 lb Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A Max. compression : 779 lb Max. traction Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A Mex. traction the tolerances stipulated in NEMA MG-1. MG-1. (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. (4) At 100% of full load. Integer to the changes Summary Performed Checked Date Performed by			1		
Power Factor 75% 0.76 0.81 0.78 100% 0.82 0.85 0.84 Bearing type : 6309 Z C3 6208 Z C3 Max. traction : 567 lb Sealing : VRing VRing VRing Max. compression : 779 lb Lubrication interval : 20000 h 20000 h Max. compression : 779 lb Notes : Mobil Polyrex EM Mobil Polyrex EM Max. compression : 779 lb Notes : Mobil Polyrex EM Mobil Polyrex EM Max. compression : 779 lb Notes : WSABLE @208V 40.2A SF 1.00 SFA 40.2A These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. : : MG-1. (2) Measured at 1m and with tolerance of +3dB(A). : MG-1. MG-1. (3) Approximate weight subject to changes after manufacturing process. : Image: supply image: suply image: supply image: supply image: supply image: s			1		
100% 0.82 0.85 0.84 Bearing type : 6309 Z C3 6208 Z C3 Max. traction : 567 lb Sealing : V'Ring V'Ring Max. compression : 779 lb Lubrication interval : 20000 h 20000 h Max. compression : 779 lb Lubrication interval : 13 g 8 g Max. compression : 779 lb Notes : Mobil Polyrex EM Most Max. compression : 779 lb Notes : : Mobil Polyrex EM Max. compression : : Notes : : : Mobil Polyrex EM Max. compression : Notes : : : : : : : USABLE @208V 40.2A SF 1.00 SFA 40.2A : : : : : Mist 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. : : </td <td>Power Factor</td> <td></td> <td></td> <td></td> <td></td>	Power Factor				
Drive end Bearing type Drive end 6309 Z C3 Foundation loads Max. traction Sealing Max. traction Sealing Lubrication interval 20000 h 20000 h Max. compression Sealing Lubrication interval 20000 h 20000 h Max. compression Sealing Lubrication interval 13 g 8 g Max. compression Sealing Lubricant amount 13 g 8 g Max. compression Sealing Notes Mobil Polyrex EM Mostil Polyrex EM Max. traction Sealing Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A MG-1. MG-1. This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1. (2) Measured at 1m and with tolerance of +3dB(A). Ga. MG-1. (3) Approximate weight subject to changes after manufacturing process. MG-1. MG-1. Performed by Performed Page Revision Page Revision 1/16 Mexiston					
Bearing type : 6309 Z C3 6208 Z C3 Max. traction : 567 lb Sealing : V'Ring V'Ring Max. compression : 779 lb Lubrication interval : 20000 h 20000 h Max. compression : 779 lb Lubricant amount : 13 g 8 g Max. traction : : 779 lb Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A Mobil Polyrex EM Max. traction : <td></td> <td>10070</td> <td></td> <td></td> <td>0.04</td>		10070			0.04
Sealing : V'Ring V'Ring Wax. compression : 00 m is Lubrication interval : 20000 h 20000 h 20000 h Max. compression : 779 lb Max. compression : 779 lb Max. compression : 779 lb Notes Mobil Polyrex EM Max. compression : 779 lb Notes WSABLE @208V 40.2A SF 1.00 SFA 40.2A These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1. (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. (4) At 100% of full load. Performed Checked Date Performed by	Decrimenture				
Lubrication interval : 20000 h 20000 h Lubricant amount : 13 g 8 g Lubricant type : Mobil Polyrex EM Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA (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. Model Rev. Changes Summary Performed by Page Checked by Page Date 22/03/2021					
Lubricant amount : 13 g 8 g Lubricant type : Mobil Polyrex EM Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA (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 Checked Performed by Page Revision Checked by 1/ 16 1/ 16	•			Max. compression	: 779 lb
Lubricant type : Mobil Polyrex EM Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1. (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 Checked Performed by Page Revision Checked by 1/ 16 Page					
Notes USABLE @208V 40.2A SF 1.00 SFA 40.2A This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA (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 Checked Date Performed by Page Revision Checked by 1/16 1/16		t			
USABLE @208V 40.2A SF 1.00 SFA 40.2A 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	Lubricant type		: Mobil Polyrex EM		
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 Performed by Page Checked by Page Revision Date 22/03/2021 1 / 16		40.2A SF 1.	00 SFA 40.2A		
(4) At 100% of full load. Rev. Changes Summary Performed Checked Date Performed by Image: Checked by Image: Checked by Page Revision Date 22/03/2021 1 / 16 1 / 16 Image: Checked by 1 / 16	must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	d. otor from the m and with t veight subject	e shaft end. olerance of +3dB(A).	power supply, subject to the	
Performed by Performed by<					
Checked by Page Revision Date 22/03/2021 1 / 16	Rev.		Changes Summary	Performed	Checked Date
Checked by Page Revision Date 22/03/2021 1 / 16	<u> </u>				
Date 22/03/2021 1 / 16	Performed by				
Date 22/03/2021 1 / 16	Checked by				Page Revision
	Data	22/02/202	1		
				a ic not allowed without write-	



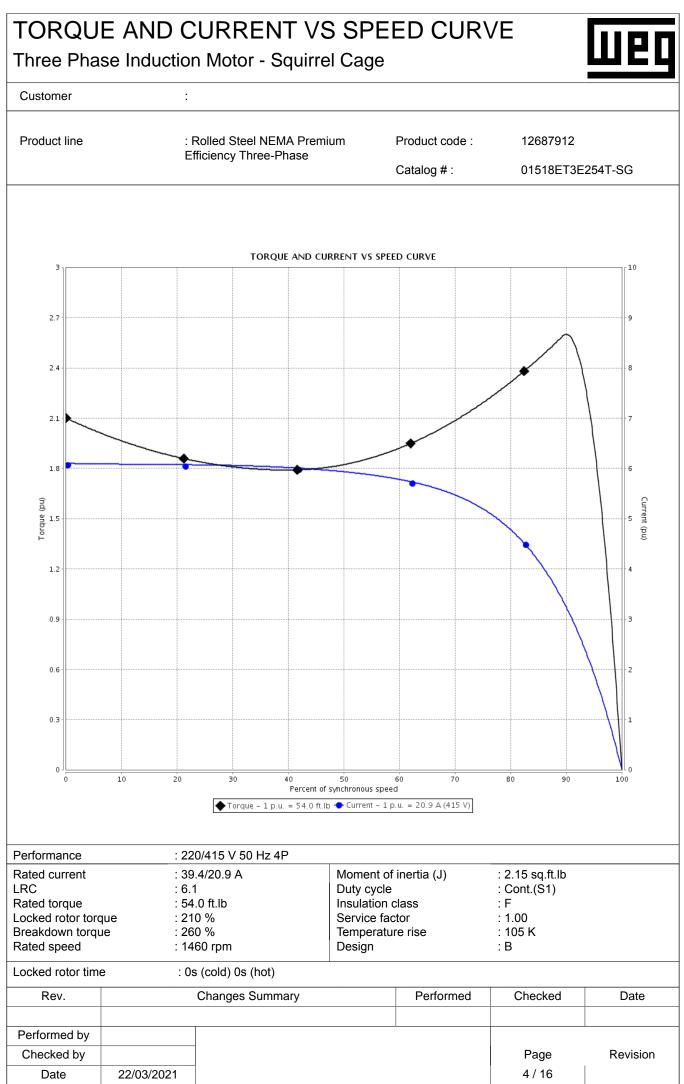
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



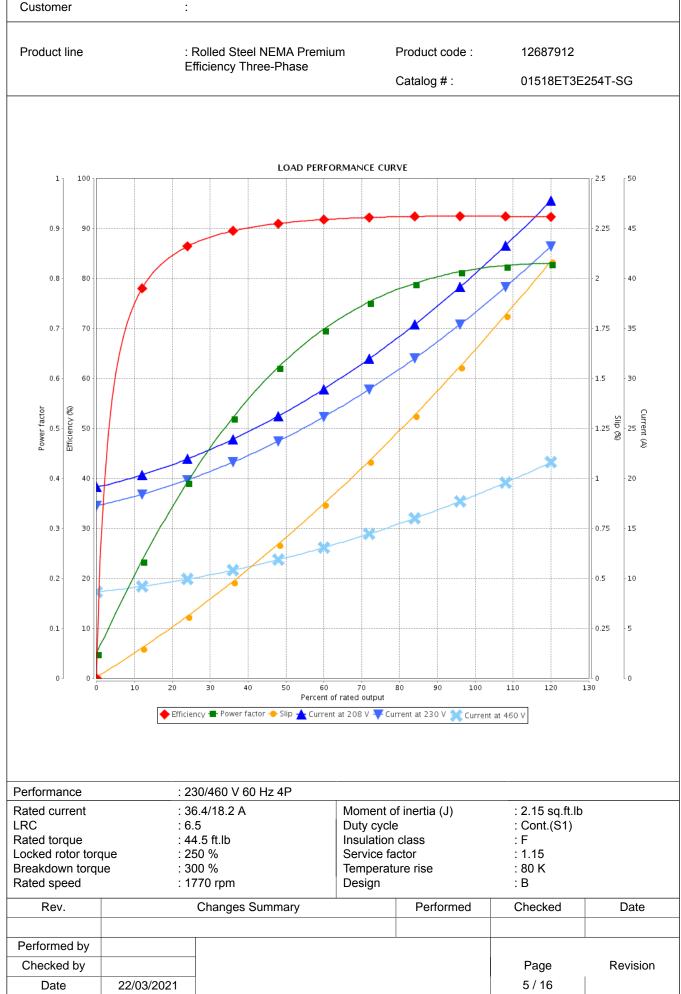
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



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.

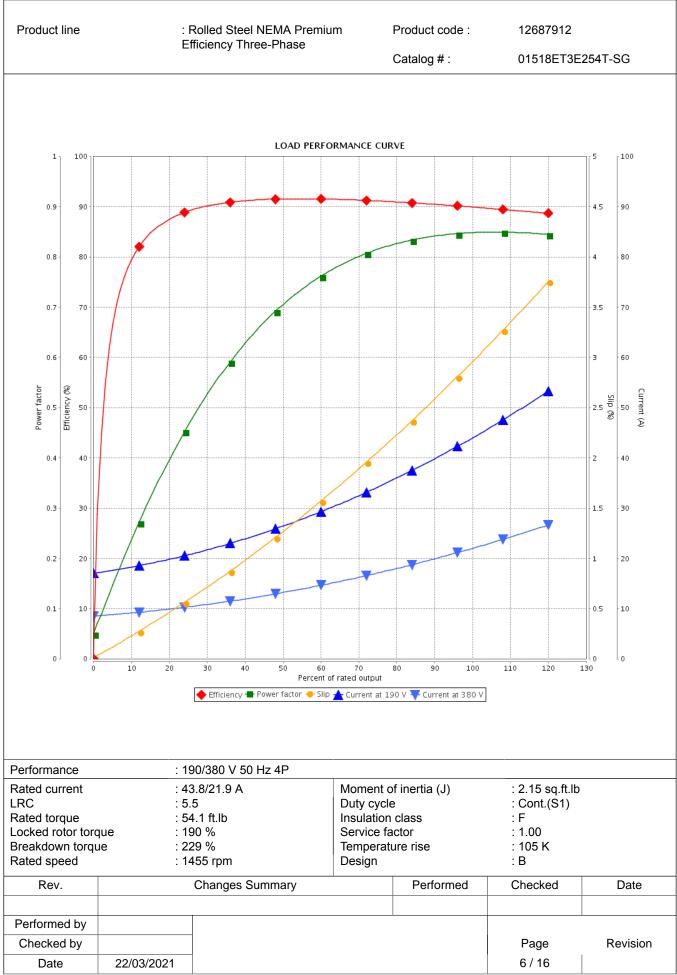
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



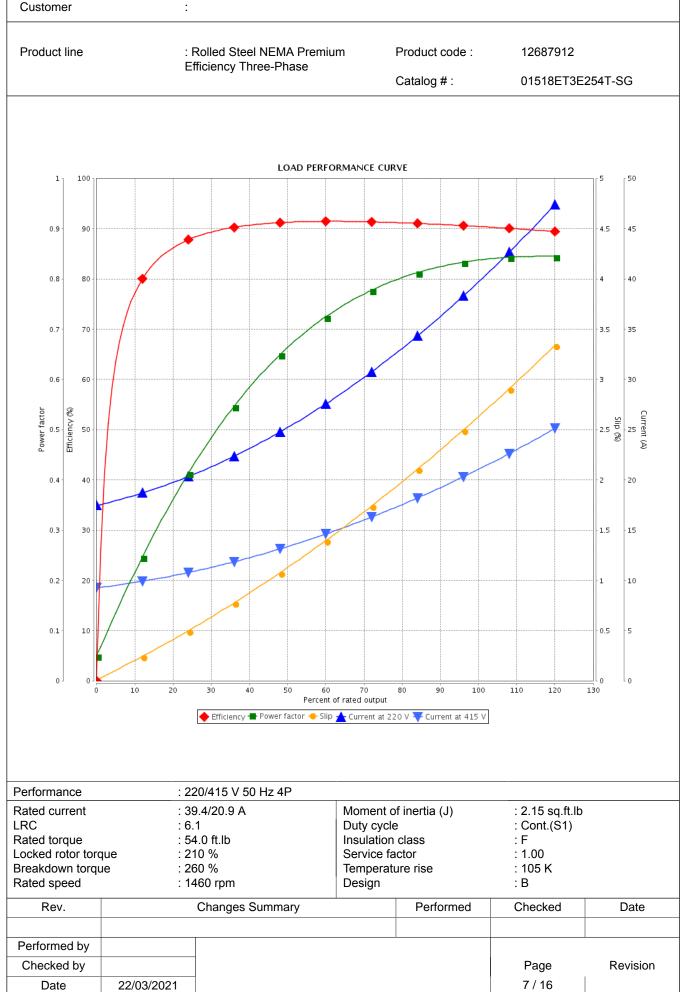
Customer



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.

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

:

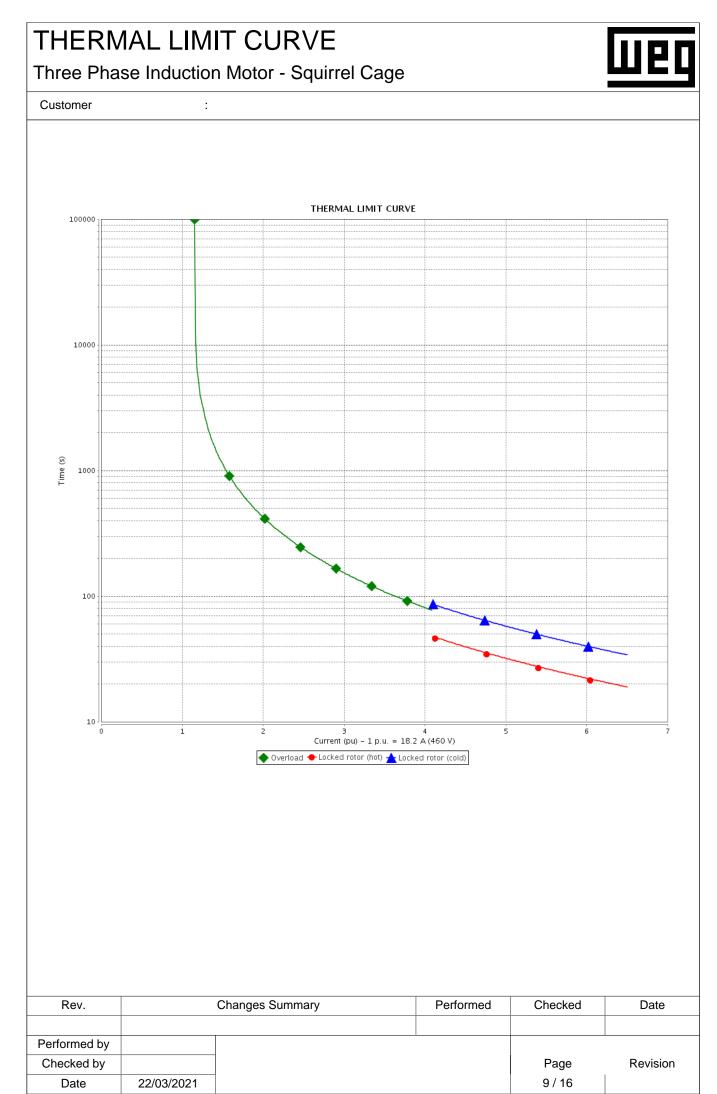


Customer

Product line		Rolled Steel NEMA Premiur fficiency Three-Phase		Product code : Catalog # :	12687912 01518ET3E2	54T-SG
Performance	: 2:	30/460 V 60 Hz 4P				
Rated current LRC Rated torque	: 30 : 6. : 44	6.4/18.2 A 5 4.5 ft.lb	Moment o Duty cycle Insulation Service fa	class	: 2.15 sq.ft.lb : Cont.(S1) : F : 1.15	
Locked rotor torc Breakdown torqu Rated speed	ie : 30 : 17	50 % 00 % 770 rpm	Temperati Design		: 80 K : B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
1100.		Changes Cummary		i chomed	Checked	Dale
Performed by Checked by		-			Page	Revision
Date	22/03/2021	-			8 / 16	

 a
 22/03/2021
 8 / 16

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



THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

:

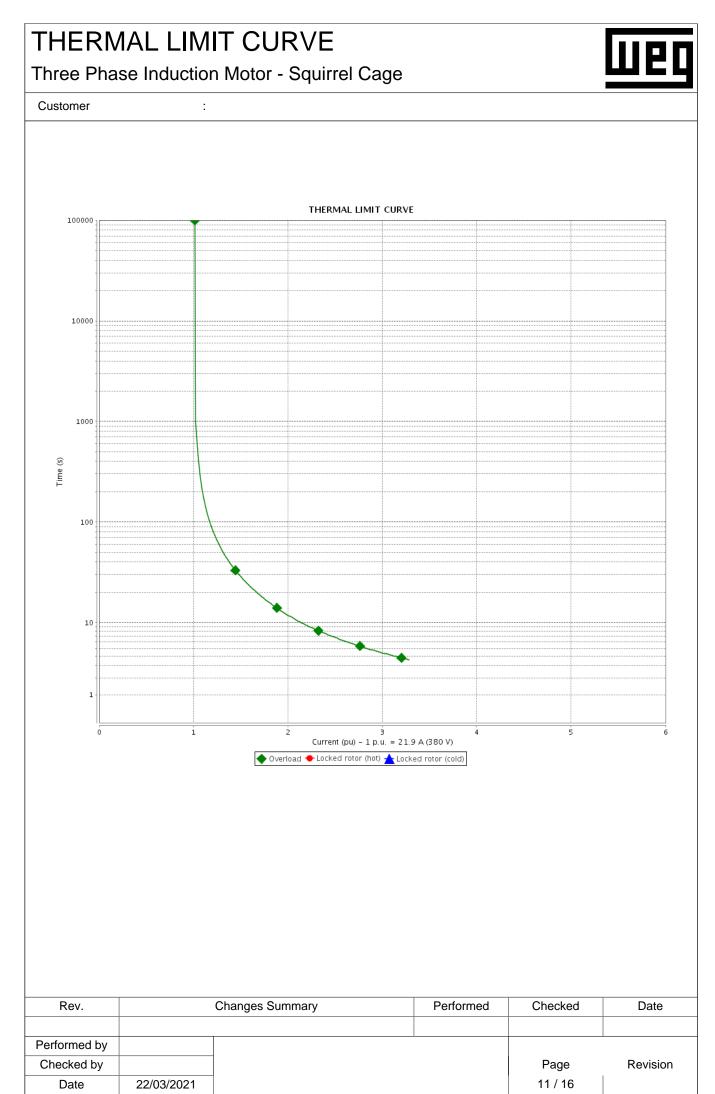


Customer

Product line	: F	Rolled Steel NEMA Premiur	n	Product code :	12687912	
		fficiency Three-Phase			01518ET3E2	
				Catalog # :	01010E13E2	.041-30
Performance	· 10	90/380 V 50 Hz 4P				
Rated current		3.8/21.9 A	Moment o	f inertia (J)	: 2.15 sq.ft.lb	
LRC	: 5.	5	Duty cycle	9	: Cont.(S1)	
Rated torque		4.1 ft.lb	Insulation		: F	
Locked rotor toro Breakdown torqu		90 % 29 %	Service fa Temperatu		: 1.00 : 105 K	
Rated speed		455 rpm	Design	ule lise	: B	
Heating constant		p				
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	22/03/2021				10 / 16	

 e
 22/03/2021
 10 / 16

 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
 10 / 16



THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

:

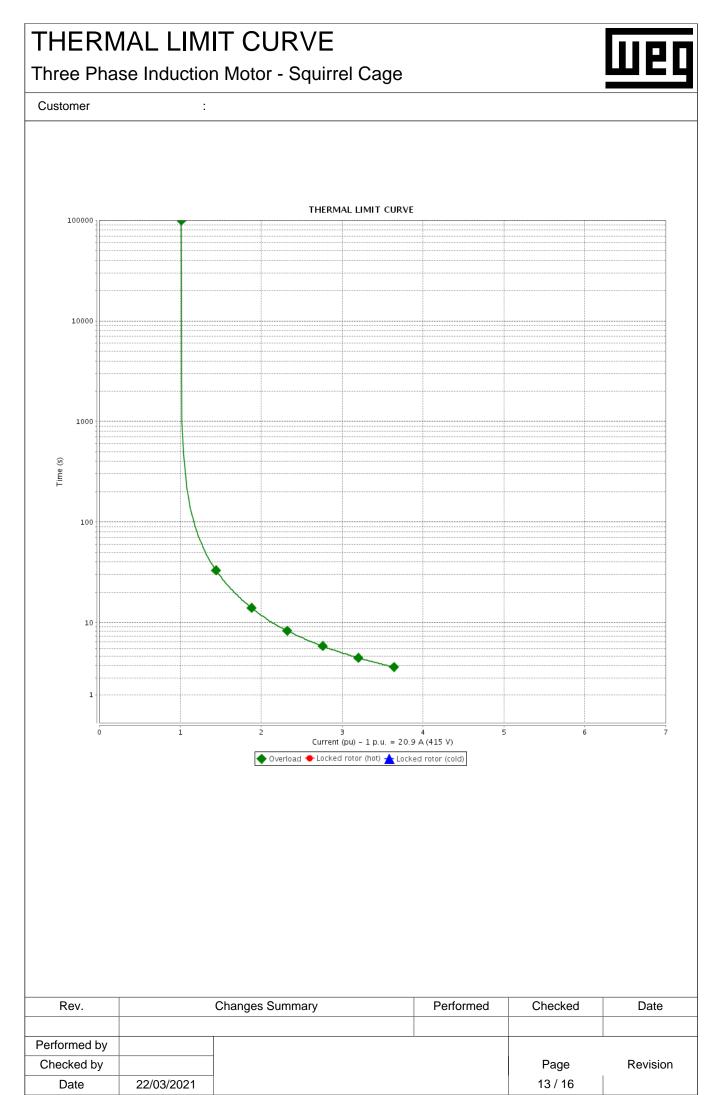


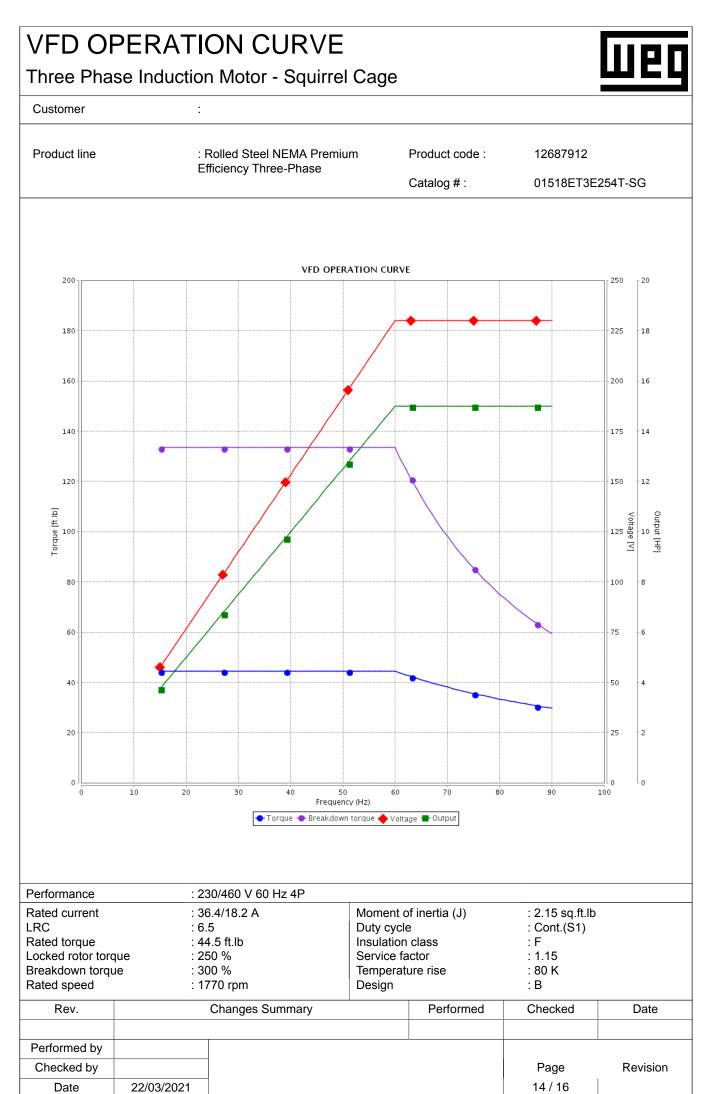
Customer

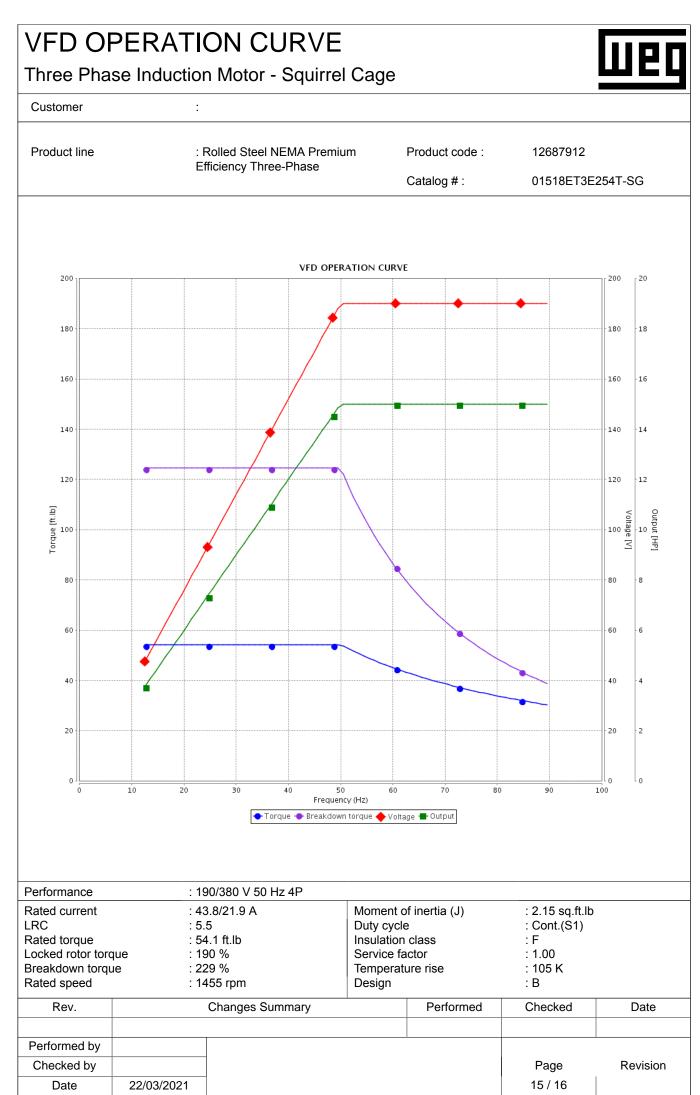
Product line		Rolled Steel NEMA Premiur	n	Product code :	12687912	
	E	fficiency Three-Phase		Catalog # :	01518ET3E2	54T-SG
Performance	: 22	20/415 V 50 Hz 4P				
Rated current		9.4/20.9 A	Moment o	f inertia (J)	: 2.15 sq.ft.lb	
LRC	: 6.		Duty cycle)	: Cont.(S1)	
Rated torque Locked rotor toro		4.0 ft.lb 10 %	Insulation Service fa		: F : 1.00	
Breakdown torqu		50 %	Temperati		: 105 K	
Rated speed		460 rpm	Design		: B	
Heating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
		- •				
Performed by						
Checked by	<u> </u>	-			Page	Revision
Date	22/03/2021	-			12 / 16	
	-					

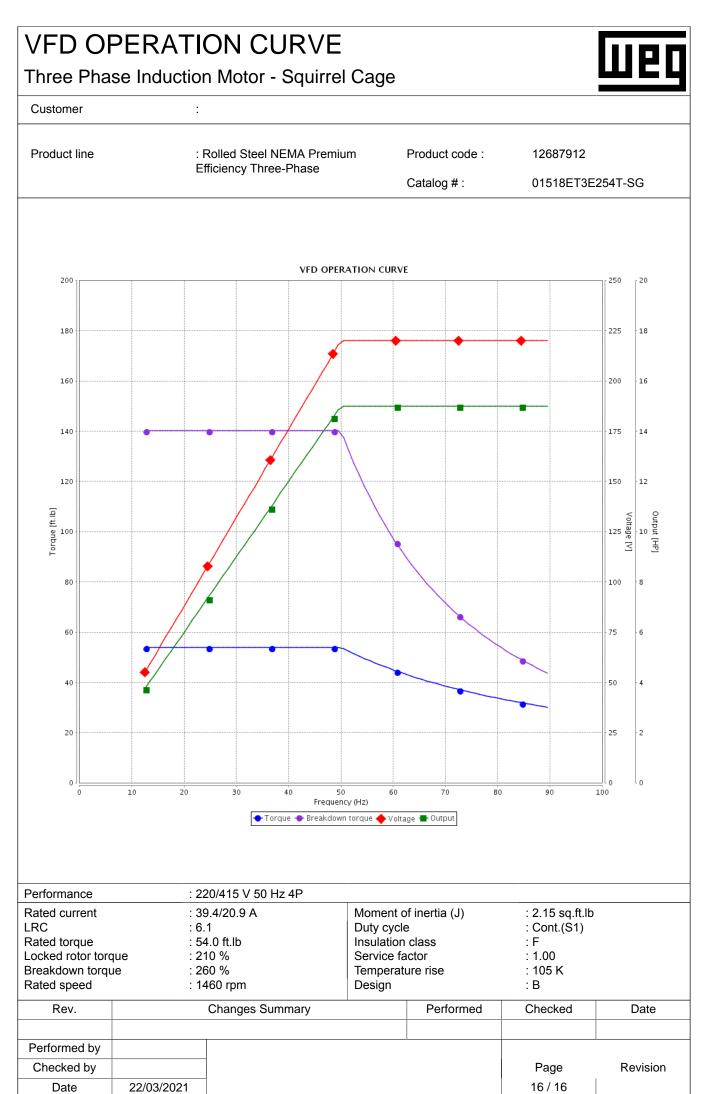
 e
 22/03/2021
 12 / 16

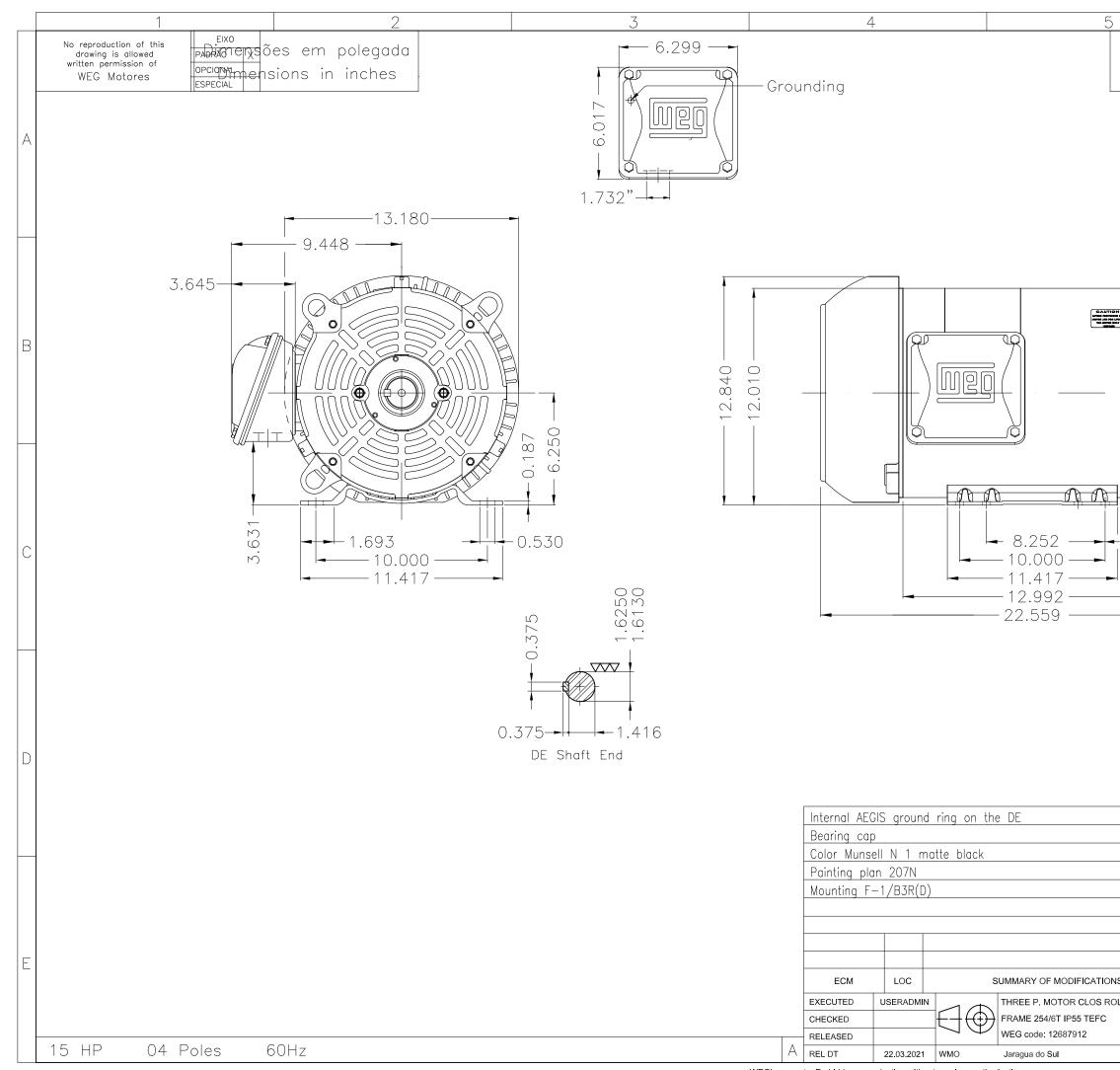
 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
 Neprinting is not allowed without written authorization of WEG S/A.











WEG's property. Forbidden reproduction without previous authorization.

	6
THIS IS AN PREVIOUS ON	UPDATED REVISION, THE IE MUST BE DISREGARDED.
	4.000
NS EXECUTED	CHECKED RELEASED DATE VER
DLLED STEEL NEMA PREM	
Product Engineering	SHEET 1 / 1

-υ <u>ä</u>
ම
NEMA Premium ®

ergy Verified

MADE IN MÉXICO

CC029A MAT: 12687912

MODEL 01518ET3E254T-SG N01.TEOIC0X0N

27JAN2021 S/N:		
PH 3 Hz 60	60	HP 15
FR 254/6T		kw 11
DUTY CONT.		V 230/460
ALT 1000 m.a.s.l		
INS CL F AT 80K	IP55	2
AMB 40°C	DES B	
ENCL TEFC	CODE G	DDM 4770
USABLE @ 208V 40.3A SF1.00	A	NEW 11/0 NOM.EFF 92.4%
ALTERNATE RATING:	: 15HP	50Hz 190-220/380-415V SF1.00
43.8-38.9/21.9-20.6A	-6A	1455RPM EFF 89.9% (IE2) IEC 60034-1
Inverter dut	ty motor F	Inverter duty motor For 80Hz use on VPWM 1000:1 VT, 4:1 CT
DE 6309-Z-C3 OD	ODE 6208-Z-C3	C3 MOBIL POLYREX EM 20000h
		TI-BLU T2-WHT
	ATe a	HATAATE T3-ORG T4-YEL
	Ĵ,	
× ♦ T1 ♦ T2	±3	2 10-000 10-000

WARNING: Motor must be grounded in accordance with local NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

Ξ

 \triangleleft

44L1

choc électrique grave. Déconnectez l'alimentation avant l'entrefien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre ¹

shocks. Disconnect power source before servicing unit.

and national electrical codes to prevent serious electrical



T11-GRN T12-VLT T9-BRK RED T10-CURRY

13 <u> </u> 12 2