DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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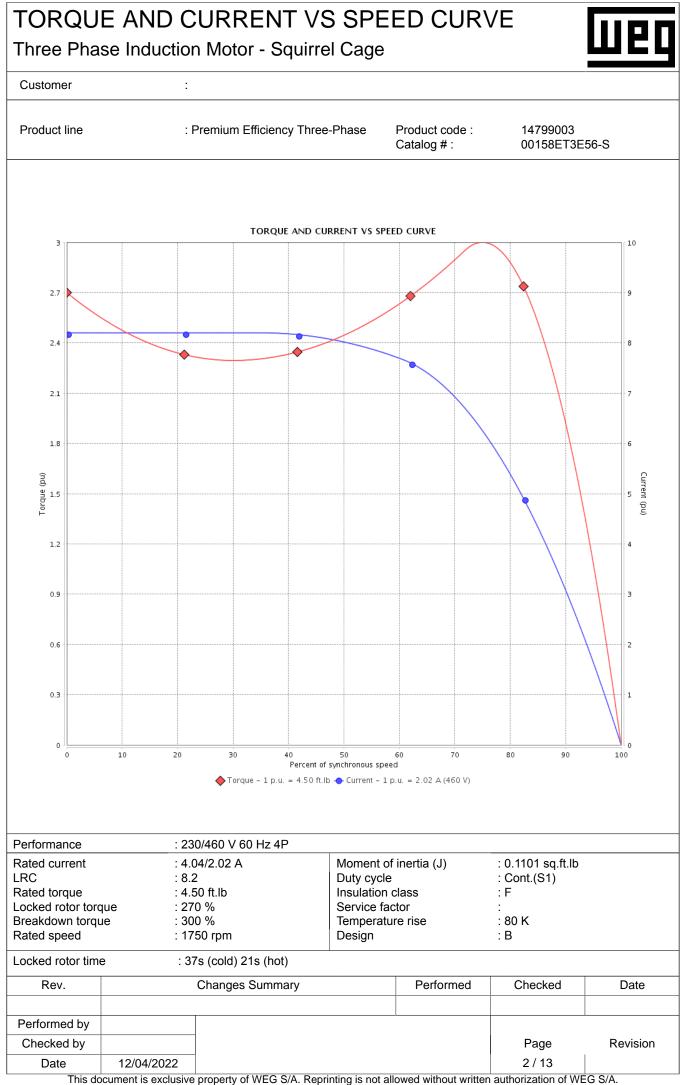
Customer

Performed by Page Ref Date 12/04/2022 1 / 13 1 / 13	Product line		: Premium Efficiency Three		Product code : Catalog # :	14799003 00158ET3E	14799003 00158ET3E56-S	
Insulation class : F Mounting :F-1 Duby cycle : Cont.(S1) Rotation' :: Both (CW and C) Ambient temperature :: 20°C to +40°C Starting method : Direct on Line Athude :: 20°C to +40°C Starting method : Direct on Line Protection degree :: 1955 Mounting :: 0.1101 sq.ft.lb Design :: 8 4 4 4 Valuet :: 60 50 50 50 Start ordinge [V] :: 20°C code (N) :: 9.20°L of the 20°L of 150 : 9.20°L of 150 Stard oursent [A] :: 40.42 co2 :: 422.21 : 4.38/2 zo2 : 4.38/2 zo2 R. Amperes [A] :: 33.116.6 :: 29.21'L of 160 : 5.31 : 6.15'L code H) : 6.7VCode H) : 6.7VCode H) Start orque [t,h] :: 2.17'L 08 :: 3.31'L 07 : 2.20'L 17 : 2.20'L 17 Start orque [t,h] : 2.17'L 08 : 3.31'L 07 : 2.20'L 17 : 2.20'L 17 Start orque [t,h] : 2.78'L 00 : 5.55 : 5.51'L 00'L 20'L 0 : 5.51'L 00'L 20'L 0	Frame		: 56H	Cooling	method	: IC411 - TF	FC	
Duty cycle : Cont.(S1) Rotation ¹ : Both (CW and CC Number of Number o								
Ambient temperature : -20°C to +40°C Starting method : Direct on Line Attitude : IPS5 Moment of inertia (J) : 37.5 lb Protection degree : IPS5 Moment of inertia (J) : 0.1101 sq.ft.lb Design : B - - - Dutput [HP] 1.5 1.5 1.5 - Tegenery [Hz] 60 50 50 - - Started oursent [A] 4.0472.02 4.822.41 4.382.32 - <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>and CCW)</td></td<>							and CCW)	
Altitude : 1000 m.a.s.i. Approx.veight ^A : 37.51b Protection degree : IPS5 Moment of inertia (J) : 0.1101 sq.ft.lb Design : B 1.5 1.5 1.5 Otigs 4 4 4 4 requency [Hz] 60 50 50 Sated votage [V] 230/460 190/380 220/41 R.Ampers [A] 33.1/16.6 29.4/14.7 29.3/15.5 R.R.G[A] 8.2x(Code K) 6.1x(Code H) 6.7x(Code, H) Sated votage [RM] 1.750 1420 1430 Sated soed [RM] 1.750 1420 1430 Sated torouge [Kb] 4.50 5.55 5.51 Sated torouge [Kb] 27.7 240 240 Strakdown torouge [Kb] 300 250 280 Service factor 1.15 1.15 1.15 Emperature rise 80 K 80 K 80 K 20 K4.7 Sorke factor 50% 65.2 66.1 86.0 <tr< td=""><td colspan="2"></td><td></td><td></td><td></td><td></td><td colspan="2"></td></tr<>								
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Duput Diput Diput <th< td=""><td>•</td><td>e</td><td></td><td>women</td><td colspan="2">Moment of inertia (J) : 0.1101 sq.tt.ib</td><td>.π.ΙD</td></th<>	•	e		women	Moment of inertia (J) : 0.1101 sq.tt.ib		.π.ΙD	
Poles 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 7 <td>Design</td> <td></td> <td>: В</td> <td></td> <td></td> <td></td> <td></td>	Design		: В					
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Rated voltage [V] 230/460 190/380 220/415 Rate current [A] 4 04/2.02 4 82/2.41 4.39/2.32 LR. Armperes [A] 33.1/16.6 29.4/14.7 29.3/15.5 LRC [A] 6.2x(Code K) 6.1x(Code H) 6.7x(Code H) No load current [A] 2.17/1.08 2.13/1.07 2.20/1.17 Rated speed [RPM] 1750 1420 1430 Sip [%] 2.78 5.33 4.67 Rated torque [%] 2.00 5.55 5.51 Locked rotor torque [%] 300 250 2.80 Service factor 1.15 1.15 1.15 Emperature rise 80 K 80 K 80 K Noise level? 52.0 dB(A) 49.0 dB(A) 49.0 dB(A) Power Factor 25% 85.5 84.7 84.9 100% 86.5 82.7 83.6 0.75 100% 0.79 0.67 0.62 75% Power Factor 75% 0.72 0.78 0.75 <	Poles							
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Bearing type : 6204 ZZ 6202 ZZ Max. traction : 133 lb Sealing : V'Ring Without Bearing Seal Max. compression : 170 lb Lubrication interval : - - - - Lubricant amount : - - - - Lubricant type : Mobil Polyrex EM Max. traction : 170 lb - Notes USABLE @208V 4.47A SF 1.00 SFA 4.47A These are average values based on tests with sinual power supply, subject to the tolerances stipulated in the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). MG-1. - - (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. MG-1. - - (4) At 100% of full load. - - - - - - Performed by		1	Drive end Non drive er	nd Foundat	ion loads			
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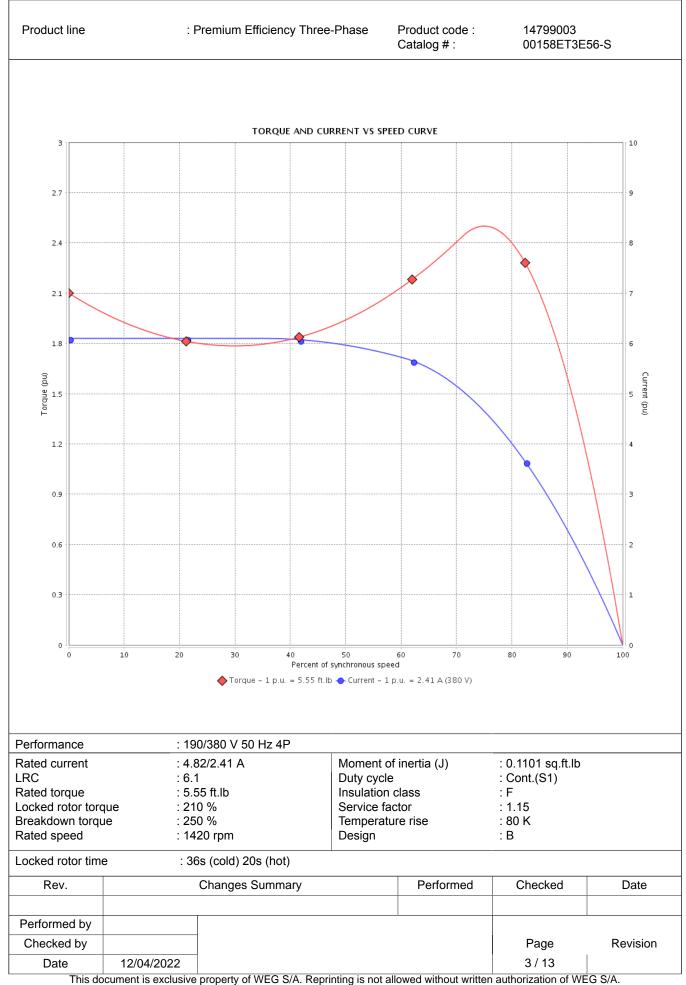
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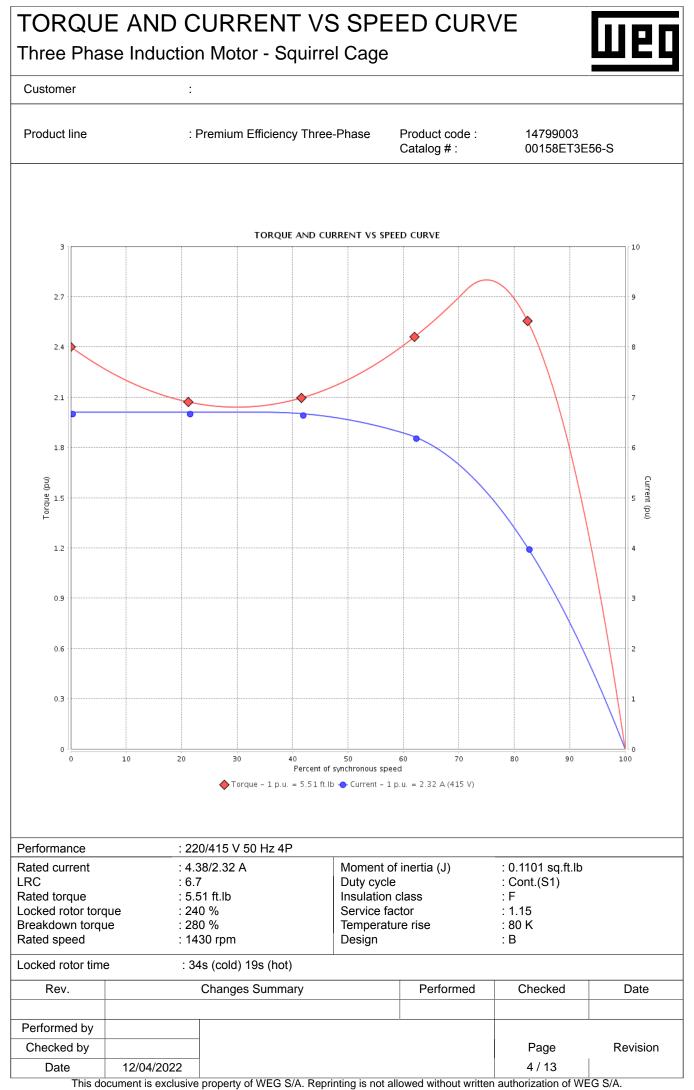
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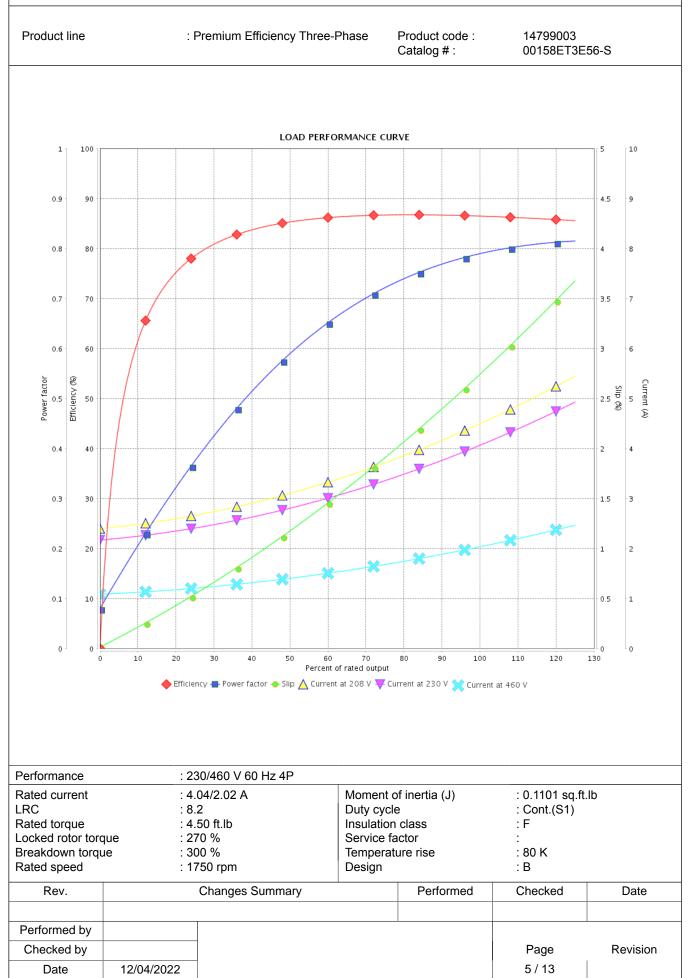
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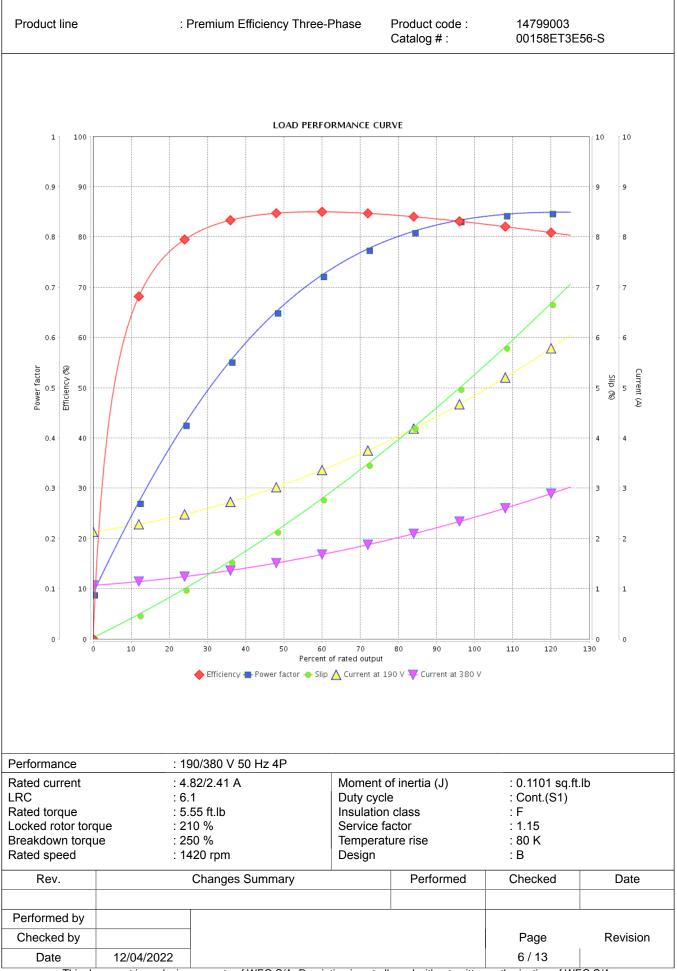
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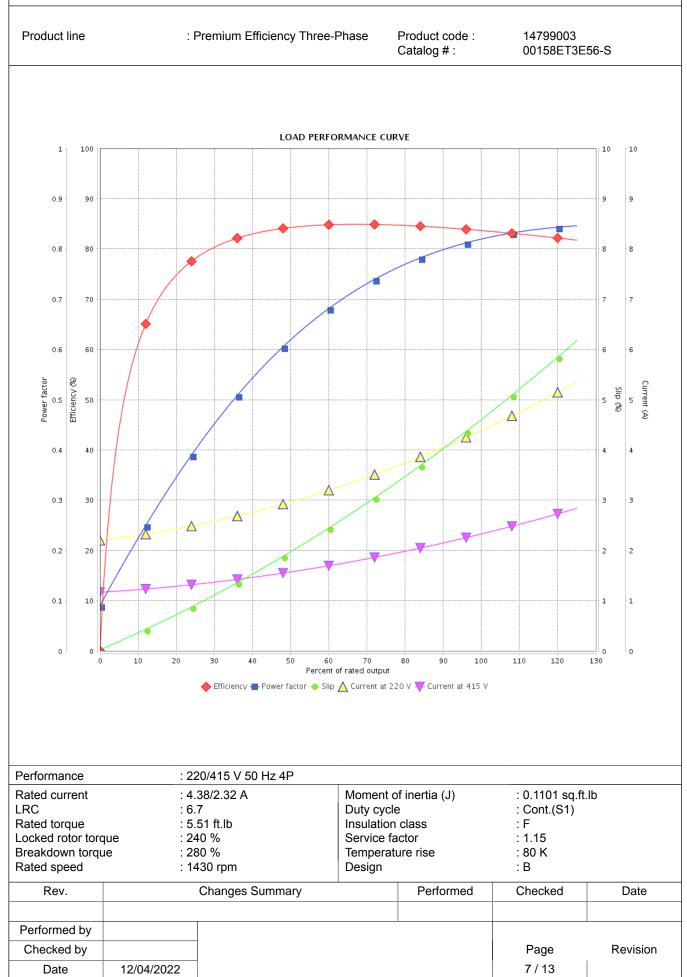
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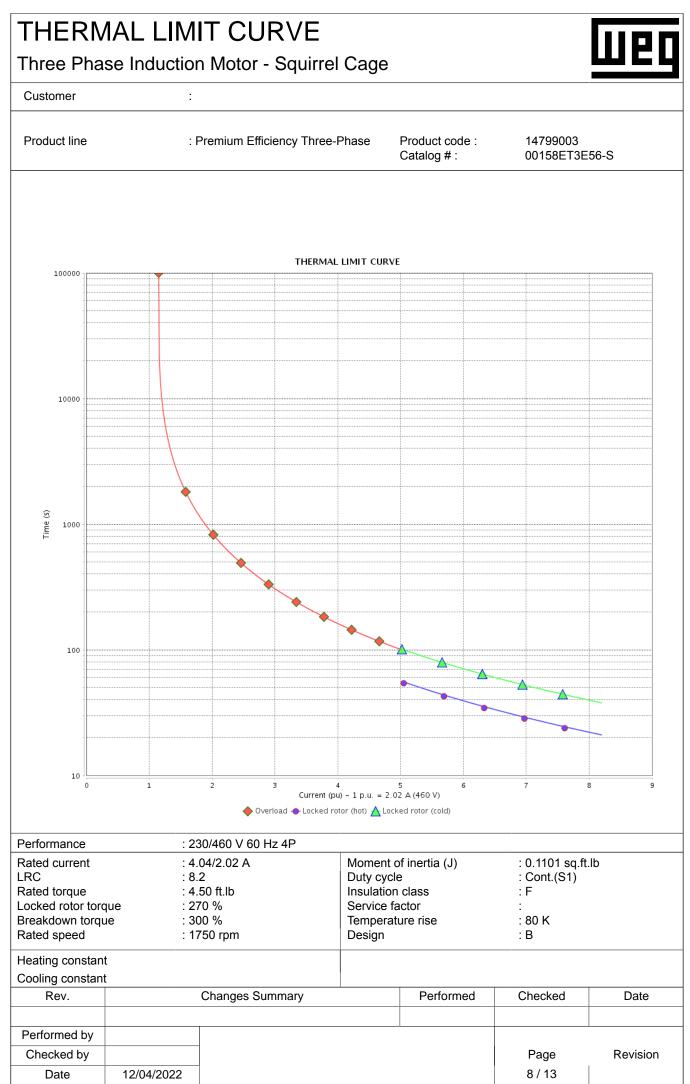
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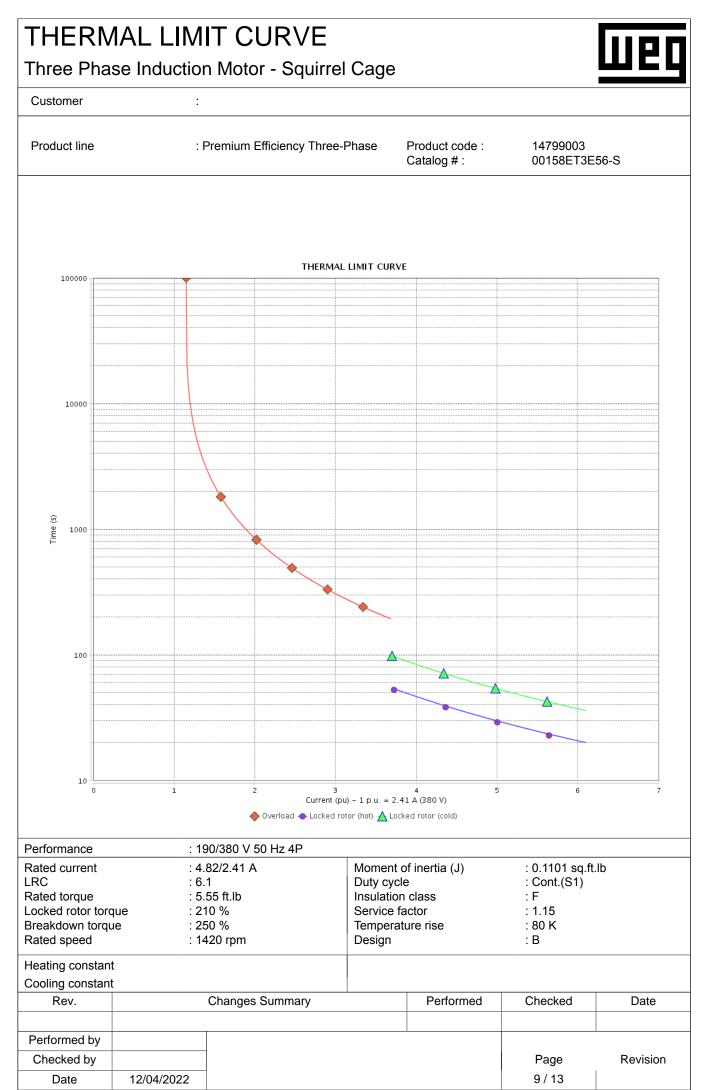
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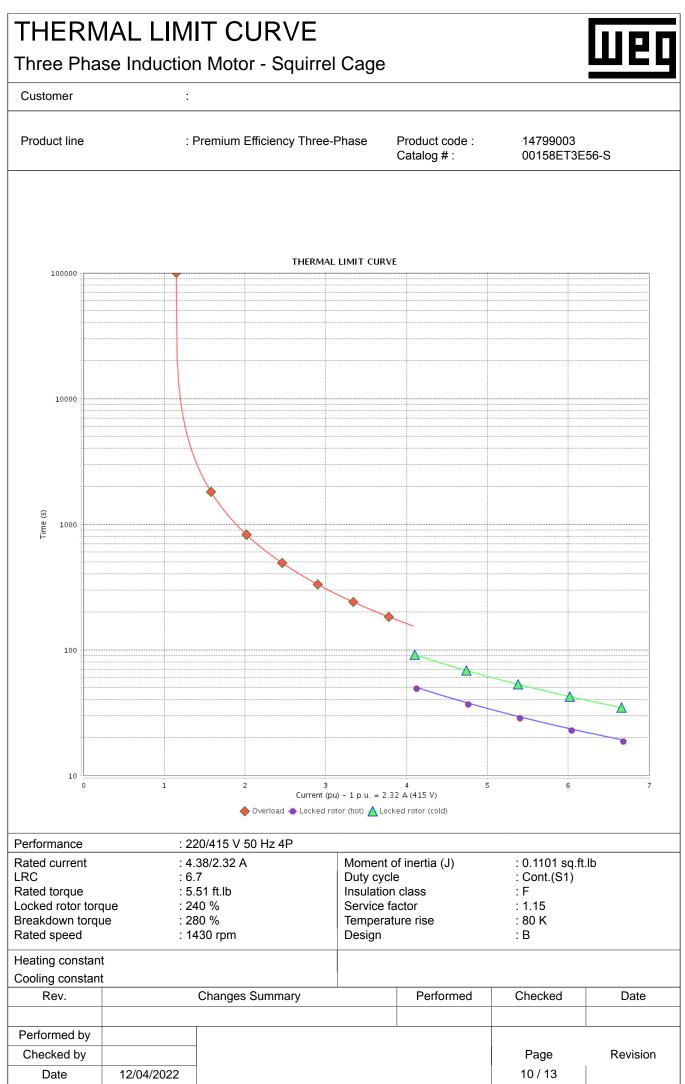
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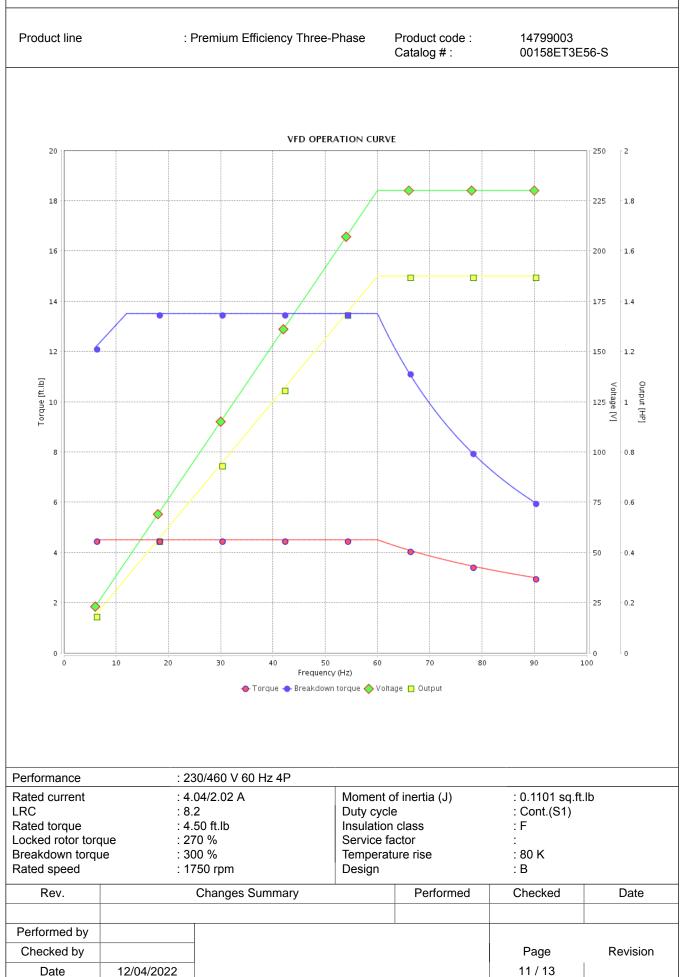
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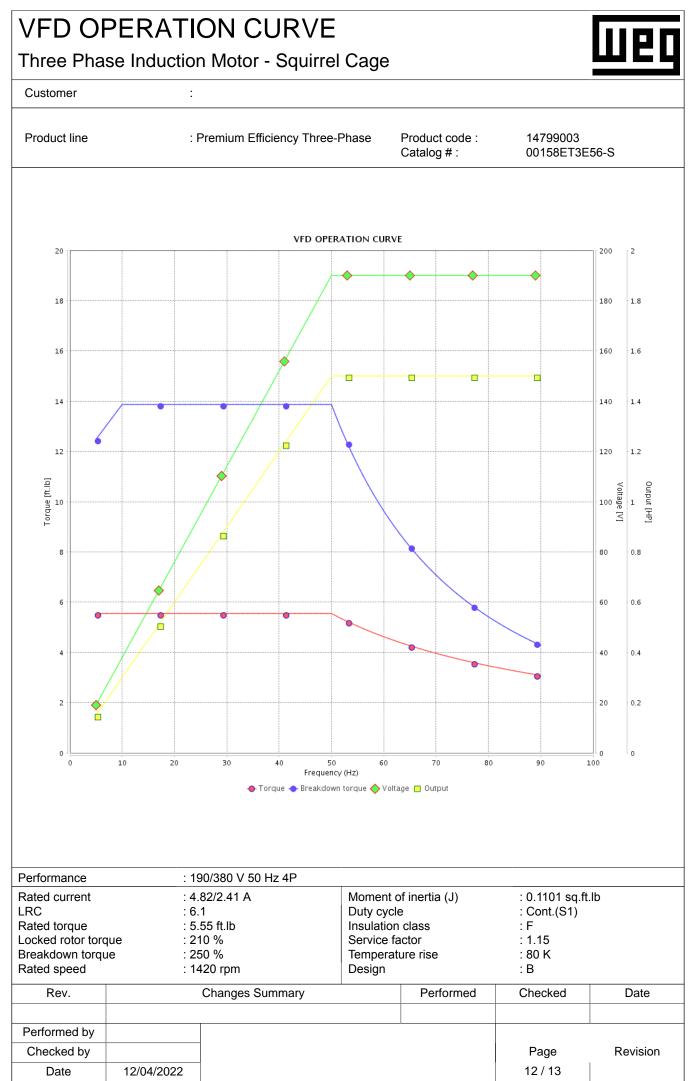
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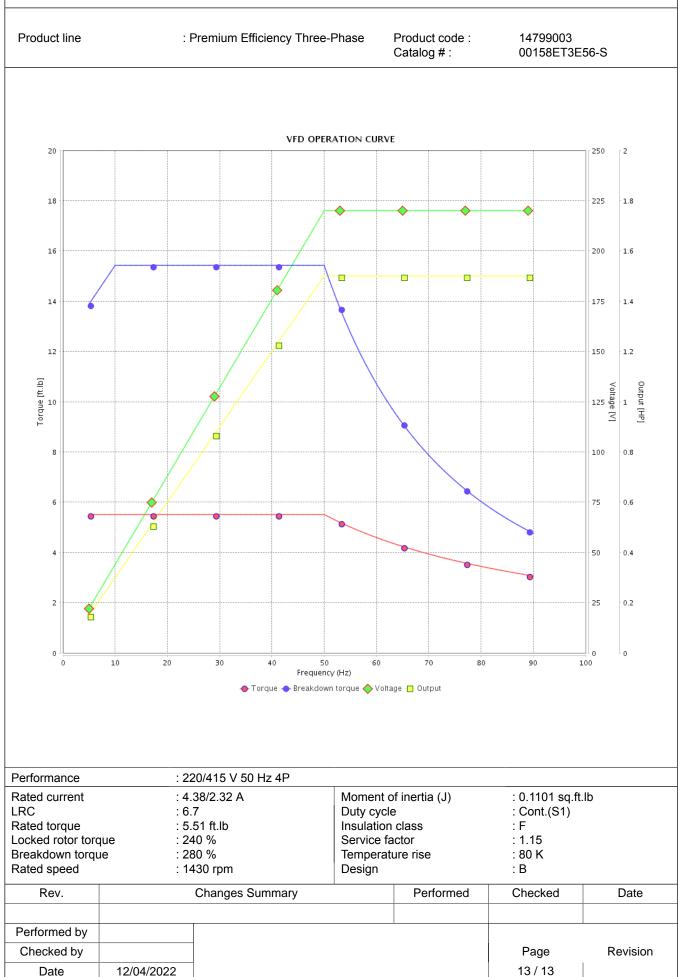
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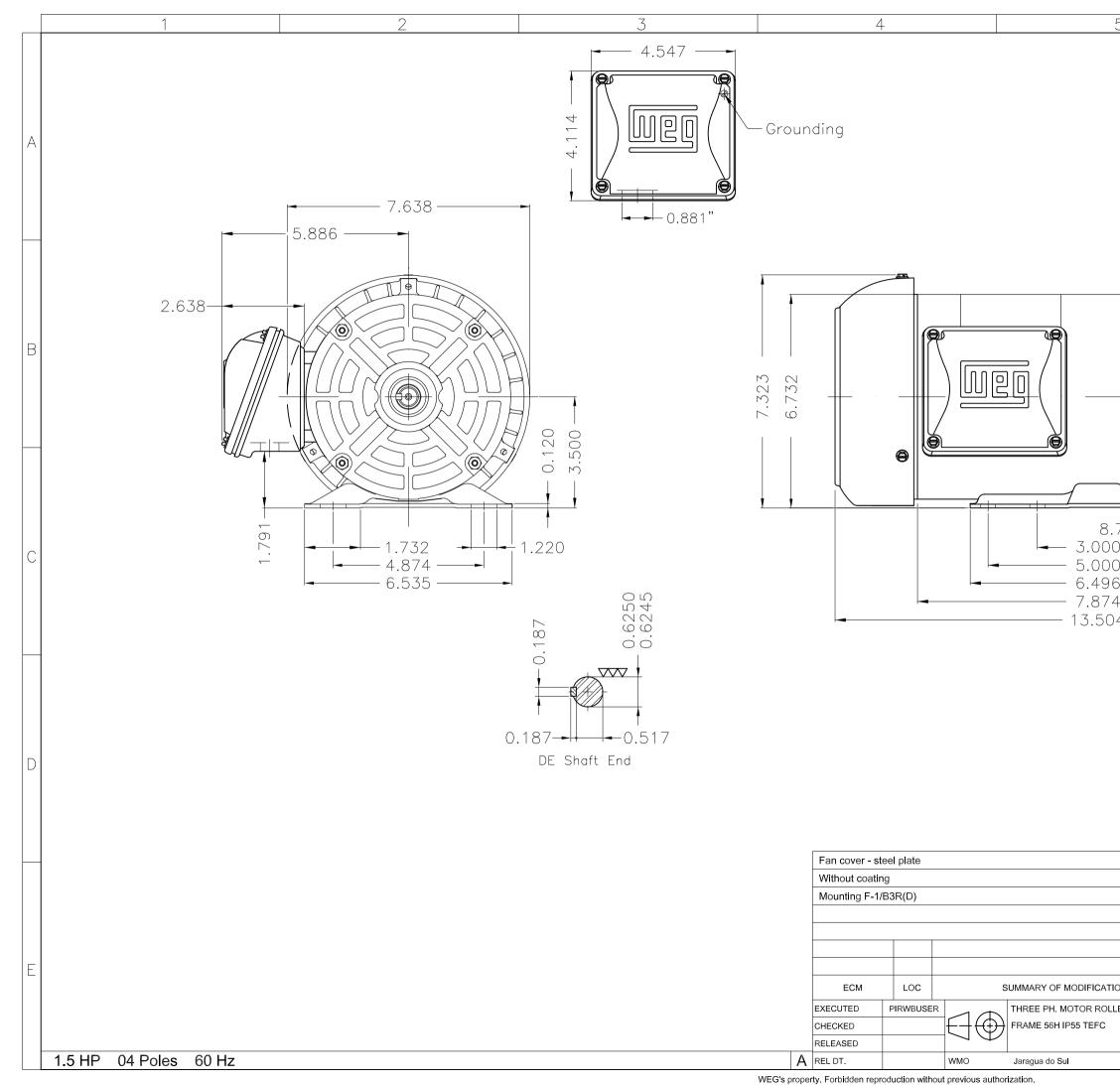
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