DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Frame : 284/6JP Output : 20 HP (15 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 53.5-48.4/24.2 A L. R. Amperes : 332-300/150 A LRC : 6.2x(Code G) No load current : 16.4-10.90.50 A Rated speed : 1175 rpm Slip : 2.08 % Rated torque : 89.4 ftlb Locked rotor torque : 229 % Breakdown torque : 220 % Breakdown torque : 220 % Breakdown torque : 220 % Breakdown torque : 25 / Doity to factor : 1.25 Design : B Output 25% 50% 75% 100% Max. compression Max. compression Bearing type : 6311 C3 Sealing : V'Ring Lubrication interval : 20000 h Lubrication interval : 18 g Lubrication thread Mobil Polyrex EM Notes Mobil Polyrex EM This revision replaces and cancel the pr	Product line		: NEN Phas		n Efficiency 1	nree-	Product code : Catalog # :	12377085 02012ET3E	286JP-W22
Output 25% 50% 75% 100% Foundation loads Efficiency (%) 0.000 91.0 91.7 91.7 Max. traction Power Factor 0.00 0.70 0.80 0.85 Max. compression Bearing type : 6311 C3 6211 C3 6211 C3 Sealing : V'Ring V'Ring V'Ring Lubrication interval : 20000 h 20000 Lubrication interval : 18 g 11 g Lubricant type : Mobil Polyrex EM Notes This revision replaces and cancel the previous one, which must be eliminated. These are average val power supply, subject t Masured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. Performed Rev. Changes Summary Performed Performed	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor	rque	: 20 F : 6 : 60 F : 208 : 53.5 : 332 : 6.2 : 16.4 : 117 : 2.08 : 89.4 : 229 : 260 : F : 1.25	HP (15 kW) Hz -230/460 V 5-48.4/24.2 -300/150 A (Code G) I-19.0/9.50 5 rpm 3 % I ft.lb % %	A	Tempe Duty c Ambie Altitud Protec Coolin Mount Rotatio Noise Startin	d rotor time erature rise ycle nt temperature e tion degree g method ing pn ¹ level ² g method	: 28s (cold : 80 K : Cont.(S1) : -20°C to - : 1000 m.a : IP55 : IC411 - T : F-1) 16s (hot) +40°C .s.l. EFC 7 and CCW)
Efficiency (%) 0.000 91.0 91.7 91.7 Max. traction Max. compression Power Factor 0.00 0.70 0.80 0.85 Max. compression Bearing type : 6311 C3 6211 C Sealing : V'Ring V'Ring Lubrication interval : 20000 h 20000 Lubrication interval : 18 g 11 g Lubrication interval : Mobil Polyrex EM Notes Mobil Polyrex EM Notes This revision replaces and cancel the previous one, which must be eliminated. These are average valipower supply, subject to manufacturing the motor from the shaft end. 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. Experiment Performed Performed by	Output	25%	50%	75%	100%	Foundat	ion loads		
Drive end Non drive. Bearing type : 6311 C3 6211 C Sealing : V'Ring V'Ring Lubrication interval : 20000 h 20000 Lubricant amount : 18 g 11 g Lubricant type : Mobil Polyrex EM Notes Motil Polyrex EM Notes This revision replaces and cancel the previous one, which must be eliminated. These are average val power supply, subject to the shaft end. (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. Rev. Changes Summary Performed Performed by	Efficiency (%)	0.000	91.0	91.7	91.7	Max. tra	ction	: 801 lb : 1226 lb	
must be eliminated. power supply, subject t (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 Performed	Sealing Lubrication inter Lubricant amoun Lubricant type			63 [.] V' 20	11 C3 Ring 000 h 8 g	bil Polyre)	6211 C3 V'Ring 20000 h 11 g		
Performed by	must be eliminat (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ted. motor from t 1m and with weight subj rocess.	he shaft e h toleranc ject to cha	end. e of +3dB(/ inges after	۹).	power s			
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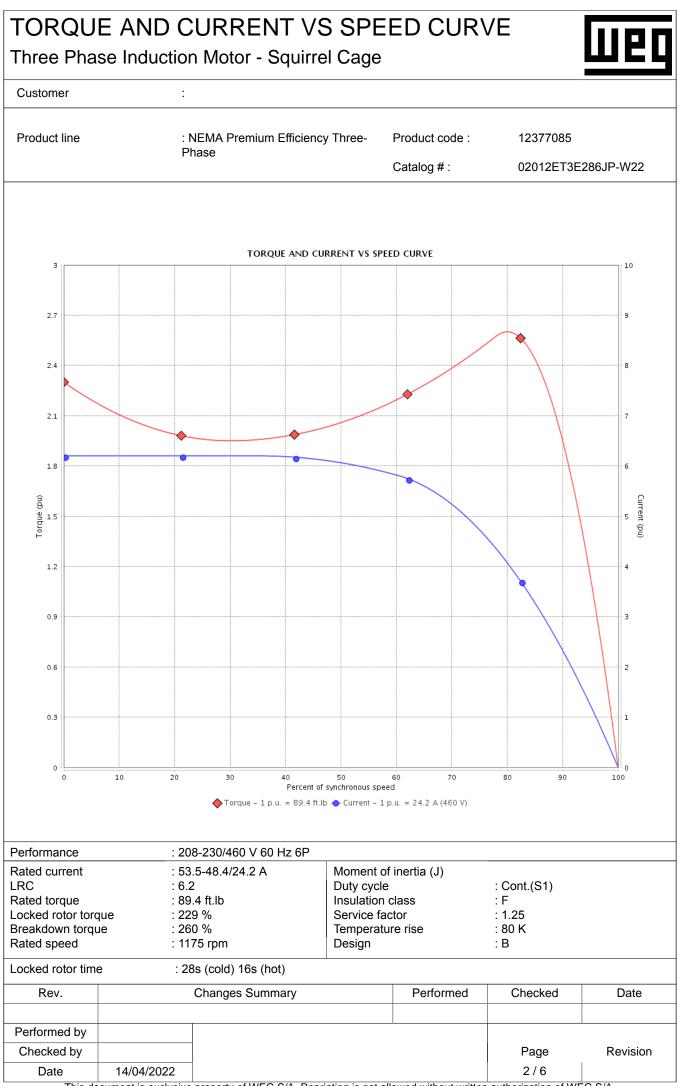
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Date

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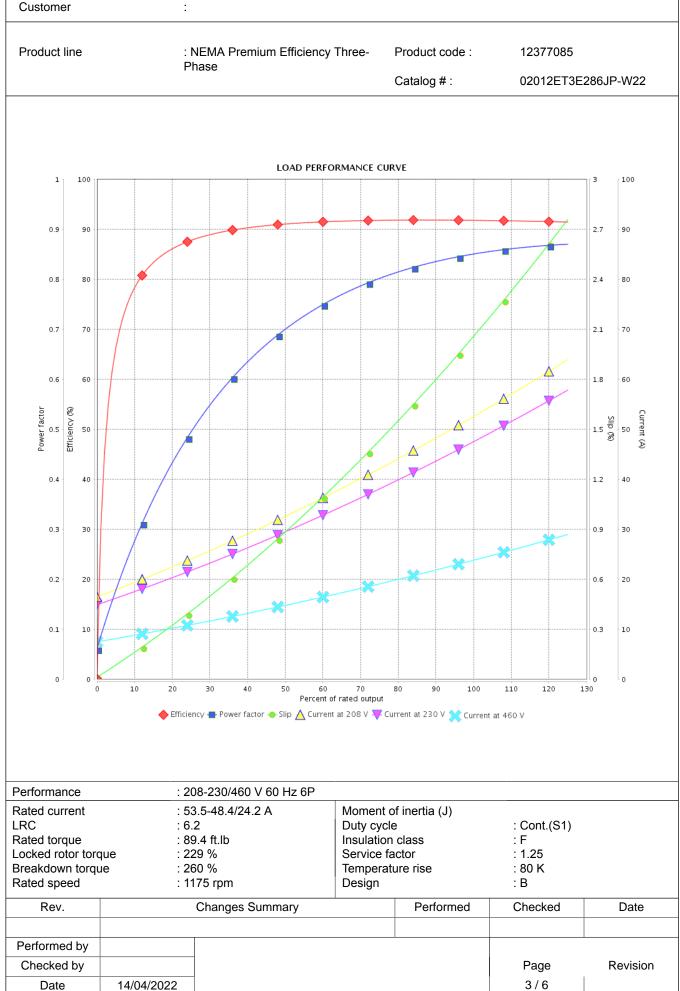
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



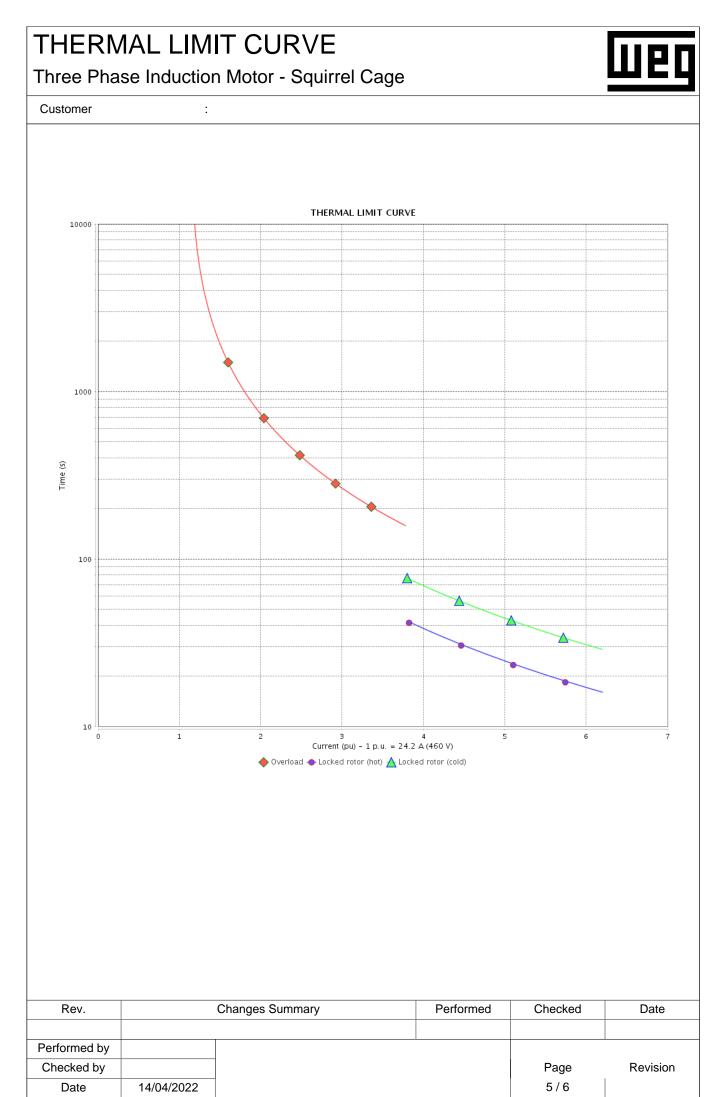
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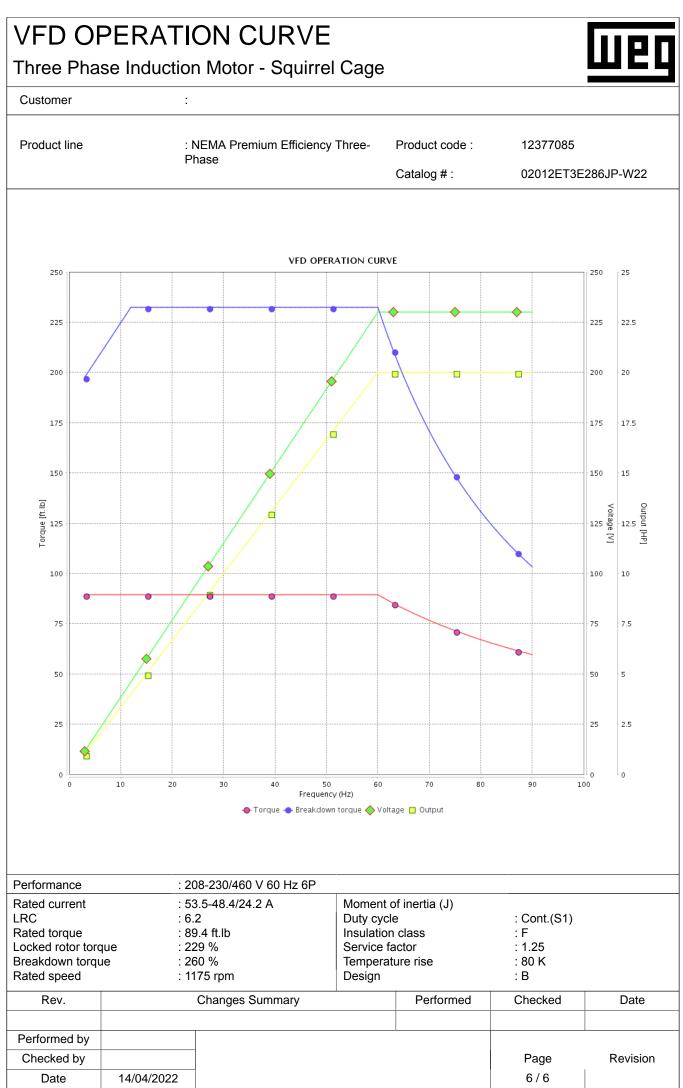
THERMAL LIMIT CURVE					
Three Phase	e Induction Motor - Squirrel	Cage			
Customer	:				
Product line	: NEMA Premium Efficiency T Phase		Product code : Catalog # :	12377085 02012ET3E28	36JP-W22
Dorformone	, 200 220/400 V 20 U- 0D				
Performance Rated current	: 208-230/460 V 60 Hz 6P : 53.5-48.4/24.2 A	Moment o	of inertia (J)		
LRC	: 6.2	Duty cycle	e	: Cont.(S1)	
Rated torque Locked rotor torqu	: 89.4 ft.lb e : 229 %	Insulation Service fa		: F : 1.25	
Breakdown torque	: 260 %	Temperat	Temperature rise		
Rated speed	: 1175 rpm	Design		: B	
Heating constant Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date

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Date	14/04/2022		4 / 6	
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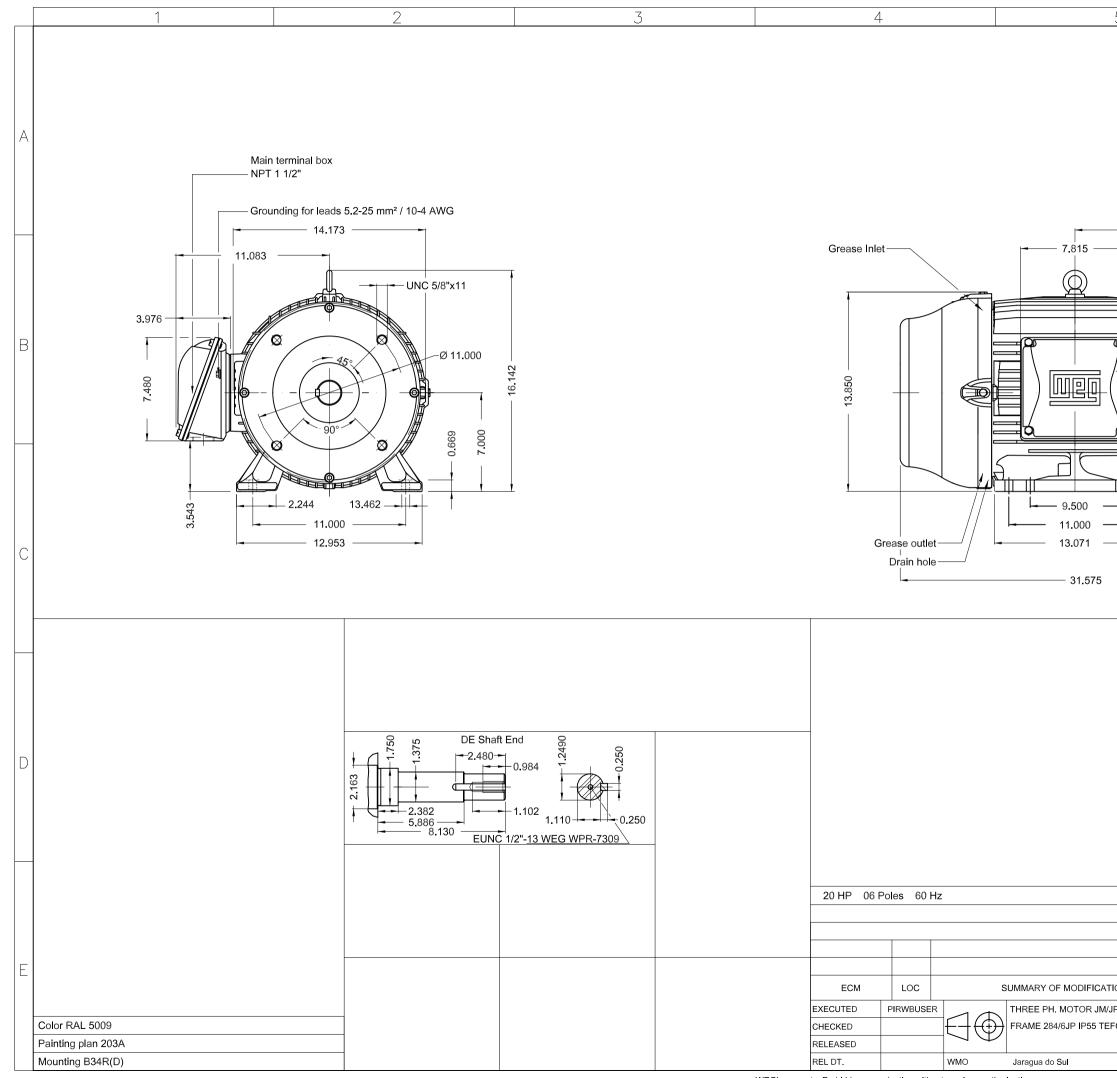


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					A	Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
IP/JET PUMP W22 PREI	M. EFF.	PREVI	EW			
		WDD		Ше		A3
Product Er	ngineering	SHEET	1 / 1			XME

	Inverter Duty Motor Severe Duty	c Us Ister FOR SAFE ARE WOD.TE1BF0X00	A For 60Hz: Class I, Div 2, Gr. A, B, C and D - T3 Class I, Zone 2, IIC - T3 Class II, Div 2, Gr. F and G - T4 C Class II, Div 2, Gr. F and G - T4 C Class II, Div 2, Gr. A, B, C, D and F, Linewy Werlie VT 1000:1, CT 20:1, 1.0SF, T3A
02012ET3E286JP-W22 DE IN BRAZIL 12377085	PH 3 FR 284/6JP HP(kW) 20.0 V 230/460 A 48.4/24.2 NEMA NOM EFF 91.7 %	RPM 1175 DES B	√111 √112
MODEL 02012E MADE IN 1237	ENCL TEFC DUTY CONT.	AMB. 40°C 0.5/30.3 SFA 61.5	208-230V 460//380V → 6311-C3 MOBIL POLYREX EM → 6211-C3 18 g 20000 h
	20HP 15kW 50Hz 380V 29.6A 965RPM	SF1.00 EFF 88.5% (IE1)	ALT 1000 m.a.s.l. 450 Lbs