DATA SHEET

Checked by

Date

Three Phase Induction Motor - Squirrel Cage Rotor



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Product line	: W60						
Toddot iiile	. ******				PREL	IMINARY DOC	UMENT
- Frame	: 80			Service facto	r	: 1.00	
Dutput	: 1200 hp			Moment of in	ertia (J)	: 2207 lb.ft ²	
Poles	: 8			Locked rotor	time	: Not applicab	ole
requency	: 33.85 Hz			Temperature	rise ³	: Class B	
Rated voltage	: 4160 V Co	nnection: Y		Duty cycle		: S1	
Rated current	: 154.7 A			Ambient temp	perature	: 0 °C up to 40	0 °C
Rotor voltage	: Not applica	able		Altitude		: 3300 ft	
Rotor current	: Not applica			Protection de	aree	: IP66	
R. Amperes	: Not applica			Cooling meth		: IC611	
-RC	: Not applica			Mounting	00	: V1	
No load current	: 44.86 A	abic		Rotation ¹		: Clockwise	
Rated speed	: 500 rpm			Noise level ²		: 80 dB(A)	
Slip	: 1.5 %			Bearing hous	ing vibration	: NEMA A (0.	12 in/c ∩-r
Rated torque	: 12611 ft.lb			velocity	ing vibration	. INLIVIA A (U.	12 11/3 0-μ
Locked rotor torque	: Not applica			Starting meth	ad	: Frequency ir	nverter
Breakdown torque	: 200 %	able		Coupling	lou	: Direct	riverter
nsulation class	: F			Coupling		. Direct	
Dutput	50%	75%	100%	Load type		: Parabolic cur	rve
Efficiency (%)	94.00	94.50	94.50	Load torque		:	
Power factor	0.76	0.83	0.85	Load inertia (J=GD ² /4)	:	
Operation limits with inve	erter			Voltage Peak	Phase-to-Groun	nd ≤ 4900	V
7 Hz to 33.85 Hz (Varia				Voltage Peak		≤ 8500	V
	20.0 to.quo,			dV/dt ≤ 4000			
Motors for operation w	rith frequency inv	verter are de	esigned fo	r a temperature	rise of 10K belo	ow the thermal c	lass limit
Notes Motors for operation w sinusoidal supply).	rith frequency inv	verter are de	esigned fo	r a temperature	rise of 10K belo	ow the thermal c	lass limit
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Motors for operation w	vith frequency inv	verter are de	esigned fo	r a temperature	rise of 10K belo	ow the thermal c	lass limit
Motors for operation was inusoidal supply).	: MG1 - Part 2		esigned fo	r a temperature	rise of 10K belo		lass limit
Motors for operation was inusoidal supply).		0	esigned fo				lass limit
Motors for operation w sinusoidal supply).	: MG1 - Part 2	0	esigned fo	Vibration	: MG1 -		lass limit
Motors for operation was inusoidal supply). Specification Test Noise his revision replaces and the state of	: MG1 - Part 2 : MG1 - Part 2 : MG1 - Part 9 nd cancel the pre	0 0 evious one,		Vibration Tolerance	: MG1 -	Part 7	n sinusoid
Specification Test Noise his revision replaces and the street of the str	: MG1 - Part 2 : MG1 - Part 2 : MG1 - Part 9 nd cancel the pre om the drive end	evious one, l. of +3dB(A).	which	Vibration Tolerance	: MG1 - : - erage values bas	Part 7	n sinusoid
Motors for operation was inusoidal supply). Specification Test	: MG1 - Part 2 : MG1 - Part 2 : MG1 - Part 9 nd cancel the pre om the drive end	0 0 evious one,	which	Vibration Tolerance	: MG1 - : - erage values bas	Part 7	n sinusoid

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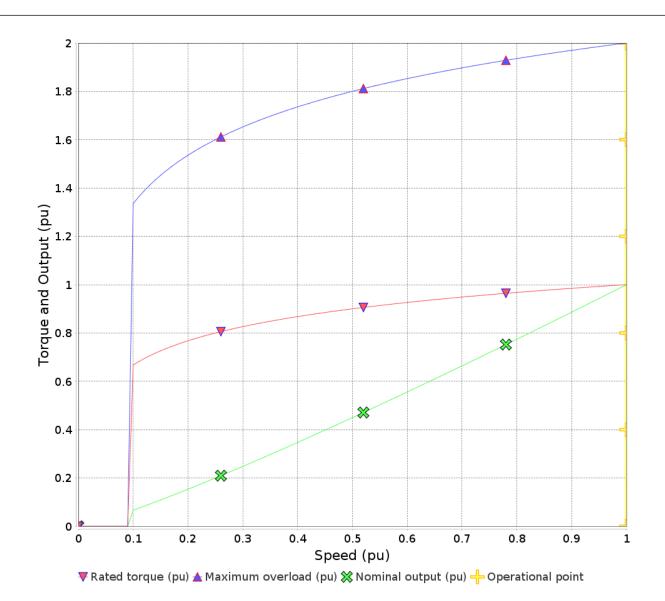
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage Rotor



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Customer	
Gustoniei	-

Product line : W60



Machine Identifica	tion : 1200 hp 4160 V 33.85 Hz	8P 80			
Rated current	: 154.7 A	Moment of	of inertia (J)	: 2207.0 lb	.ft²
LRC	: Not applicable	Duty cycle	Э	: S1	
Rated torque	: 12611 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : Not applicable	Service fa	octor	: 1.00	
Breakdown torque	: 200 %	Temperat	ure rise	: Class B	
Rated speed	: 500 rpm				
Operation limits w	ith inverter	Voltage P	eak Phase-to-Gro	ound	≤ 4900 V
17 Hz to 33.85 Hz (Variable torque)		Voltage P	eak Phase-Phase	≤ 8500 V	
		dV/dt			≤ 4000 V/µs
Pov	Changes Summary		Pov	Chackad	Data

Rev.	Changes Summary		Rev.	Checked	Date
Performed by				17227	64595
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Date				2/2	0