INDUCTION MOTOR DATA

Siemens Industry, Inc.
Norwood, Ohio

Customer : East Coast Electrical
Serial No. : 3006855283-10,-20
Document No. : 3006855283-10,20_3000HP_DS
Revision : AA

SPECIFIED REQUIREMENTS

Horsepower :	3000
Service Factor :	1.15
Voltage :	2300 / 4000
Number of Phases :	3
Frequency, hertz :	60
Ambient, °C :	40
Enclosure :	WPII
Synchronous Speed, RPM :	3600
Percent Starting Voltage :	90
Maximum Elevation (ft) :	3300

FRAME DATA

Frame :	6811
Type :	CGII
Rotor Construction :	Fabricated Copper Bar
Load Inertia (wk2), lb-ft2 :	-
Rotor Inertia (wk2), lb-ft2 :	414
Rotor Weight, lbs :	1749
Motor Weight, lbs :	11450
Stator Temp. Rise :	80 by RES @ 1SF
Sound Pressure Level :	83dBA @ 3ft, unloaded
Insulation Class :	F-VPI
Bearing Type :	Sleeve

PERFORMANCE DATA

Full Load Speed, RPM :	3581	Full Load Torque, lb-ft :	4400	
Current, Amps :	665 / 384	Starting Torque, %FLT :	62	
Locked Rotor Current, %FLA :	584	Breakdown Torque, %FLT :	211	
kVA/Hp :	5.18	NEMA Design :	-	
kVA Code :	F			

	0.25 Load	0.50 Load	0.75 Load	Full Load	1.15 Load	No Load	Locked Rotor
Percent Efficiency :	91.6	94.7	95.5	95.5	95.5	N/A	N/A
Percent Power Factor :	64.9	82.0	86.8	88.1	88.0	7.0	12.6
Current, Amps :	135.8	208.0	292.3	383.9	442.0	94.6	2242
Current, Amps :	235.3	360.2	506.2	665.0	765.6	163.9	3883

	100	90	% Voltage	RTD Settings (°C):	Alarm	Shutdown
Safe Stalled Time, Motor Hot :	9	11	Seconds	Stator:	155	170
Safe Stalled Time, Motor Cold :	11	14	Seconds	Bearings:	100	105
Acceleration Time :	-	-	Seconds			

Time Constants :	1.921	Seconds Open Circuit
	0.094	Seconds Short Circuit (AC)
X/R Ratio :	21.783	

Prepared by JBD on 11/13/17

Please Note : 1. Guaranteed values are indicated in (GUAR).