INDUCTION MOTOR DATA

Siemens Industry, Inc.
Norwood, Ohio

Customer : EAST COAST ELECTRICAL
Serial No. : 3006771162-10
Document No. : 3006771162-10_800HP_DS
Revision : AA

SPECIFIED REQUIREMENTS

Horsepower :	800
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 :	5010S
Type :	CGII
Rotor Construction :	Fabricated Copper Bar
Load Inertia (wk2), lb-ft2 :	-
Rotor Inertia (wk2), lb-ft2 :	103
Rotor Weight, lbs :	847
Motor Weight, lbs :	5150
Stator Temp. Rise :	80 by RES @ 1SF
Sound Pressure Level :	80dBA @ 3ft, unloaded
Insulation Class :	F-VPI
Bearing Type :	Sleeve

PERFORMANCE DATA

Full Load Speed, RPM :	3576	Full Load Torque, lb-ft :	1175	
Current, Amps :	172 / 99	Starting Torque, %FLT :	85	
Locked Rotor Current, %FLA :	693	Breakdown Torque, %FLT :	235	
kVA/Hp :	5.95	NEMA Design :	-	
kVA Code :	G			

	0.25 Load	0.50 Load	0.75 Load	Full Load	1.15 Load	No Load	Locked Rotor
Percent Efficiency :	93.2	95.3	95.5	95.2	94.9	N/A	N/A
Percent Power Factor :	73.0	87.1	90.4	91.2	91.1	6.8	18.1
Current, Amps :	31.7	51.9	74.8	99.2	114.6	19.7	688
Current, Amps :	54.8	89.9	129.6	172.0	198.5	34.0	1191

	100	90	% Voltage	RTD Settings (°C):	Alarm	Shutdown
Safe Stalled Time, Motor Hot :	12	17	Seconds	Stator:	155	170
Safe Stalled Time, Motor Cold :	15	20	Seconds	Bearing:	100	105
Acceleration Time :	-	-	Seconds			

Time Constants :	1.968	Seconds Open Circuit
	0.065	Seconds Short Circuit (AC)
X/R Ratio :	11.616	

Prepared by BJW on 09/28/17

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