INDUCTION MOTOR DATA

Siemens Industry, Inc.
Norwood, Ohio

Customer : East Coast Electrical
Serial No. : 3006535712-10
Document No. : 3006535712-10_1750HP_DS
Revision : AA

SPECIFIED REQUIREMENTS

Horsepower :	1750
Service Factor :	1.15
Voltage :	2300 / 4000
Number of Phases :	3
Frequency, hertz :	60
Ambient, °C :	40
Enclosure :	WPII
Synchronous Speed, RPM :	900
Percent Starting Voltage :	90
Maximum Elevation (ft) :	3300

FRAME DATA

Frame :	6813
Type :	CGII
Rotor Construction :	Fabricated Copper Bar
Load Inertia (wk2), lb-ft2 :	-
Rotor Inertia (wk2), lb-ft2 :	1841
Rotor Weight, lbs :	3866
Motor Weight, lbs :	14700
Stator Temp. Rise :	80 by RES @ 1SF
Sound Pressure Level :	82dBA @ 3ft, unloaded
Insulation Class :	F-VPI
Bearing Type :	Anti-Friction

PERFORMANCE DATA

Full Load Speed, RPM :	894	Full Load Torque, lb-ft :	10281
Current, Amps :	403 / 233	Starting Torque, %FLT :	131
Locked Rotor Current, %FLA :	703	Breakdown Torque, %FLT :	235
kVA/Hp :	6.47	NEMA Design :	-
kVA Code :	H		

	0.25 Load	0.50 Load	0.75 Load	Full Load	1.15 Load	No Load	Locked Rotor
Percent Efficiency :	93.1	95.3	95.5	95.3	95.0	N/A	N/A
Percent Power Factor :	51.5	73.5	81.8	85.0	85.8	3.8	22.4
Current, Amps :	98.3	134.5	180.9	232.6	265.9	78.9	1635
Current, Amps :	170.2	233.0	313.3	403.0	460.6	136.7	2832

	100	90	% Voltage	RTD Settings (°C):	Alarm	Shutdown
Safe Stalled Time, Motor Hot :	13	17	Seconds	Stator:	155	170
Safe Stalled Time, Motor Cold :	22	28	Seconds	Bearings:	100	105
Acceleration Time :	-	-	Seconds			

Time Constants :	1.118	Seconds Open Circuit
	0.054	Seconds Short Circuit (AC)
X/R Ratio :	10.291	

Prepared by JAS on 05/17/17

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