

INDUCTION MOTOR DATA

**Siemens Industry, Inc.
Norwood, Ohio**

Customer : East Coast Electrical
 Serial No. : 3006187718-30
 Document No. : 3006187718-30_900HP_DS
 Revision : AA

SPECIFIED REQUIREMENTS

Horsepower : 900
 Service Factor : 1.15
 Voltage : 2300 / 4000
 Number of Phases : 3
 Frequency, hertz : 60
 Ambient, °C : 40
 Enclosure : WP11
 Synchronous Speed, RPM : 3600
 Percent Starting Voltage : 90
 Elevation (ft) : 3300

FRAME DATA

Frame : 588Z
 Type : CG11
 Rotor Construction : Aluminum Die Cast
 Load Inertia (wk²), lb-ft² : -
 Rotor Inertia (wk²), lb-ft² : 89.7
 Rotor Weight, lbs : 740
 Motor Weight, lbs : 5300
 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 : 3573
 Current, Amps : 196 / 113
 Locked Rotor Current, %FLA : 627
 kVA/Hp : 5.47
 kVA Code : F

Full Load Torque, lb-ft : 1323
 Starting Torque, %FLT : 79
 Breakdown Torque, %FLT : 222
 NEMA Design : -

	0.25	0.50	0.75	Full	1.15	No	Locked
	<u>Load</u>	<u>Load</u>	<u>Load</u>	<u>Load</u>	<u>Load</u>	<u>Load</u>	<u>Rotor</u>
Percent Efficiency :	92.6	95.0	95.4	95.2	95.0	N/A	N/A
Percent Power Factor :	68.2	84.4	88.8	89.9	90.0	6.5	15.9
Wye Current, Amps :	38.4	60.4	85.8	113.2	130.3	25.7	710
Delta Current, Amps :	66.4	104.7	148.6	196.0	225.7	44.5	1230

	<u>100</u>	<u>90</u>	<u>% Voltage</u>	<u>RTD Settings (°C):</u>	<u>Alarm</u>	<u>Shutdown</u>
Safe Stalled Time, Motor Hot :	13	18	Seconds	<u>Stator:</u>	155	170
Safe Stalled Time, Motor Cold :	17	21	Seconds	<u>Bearings:</u>	100	105
Acceleration Time :	-	-	Seconds			

Time Constants : 1.513 Seconds Open Circuit
 0.061 Seconds Short Circuit (AC)
 X/R Ratio : 15.446

Prepared by I Niggebrugge on 10/4/16

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