

INDUCTION MOTOR DATA

Siemens Industry, Inc.
Norwood, Ohio

Customer : East Coast Electrical
Serial No. : 3006095444-20
Document No. : 3006095444-20_350HP_DS
Revision : AA

SPECIFIED REQUIREMENTS

Horsepower : 350
Service Factor : 1.15
Voltage : 2300 / 4000
Number of Phases : 3
Frequency, hertz : 60
Ambient, °C : 40
Enclosure : TEFC
Synchronous Speed, RPM : 1200
Percent Starting Voltage : 90
Maximum Elevation (ft) : 3300

FRAME DATA

Frame : 5011
Type : CMZ
Rotor Construction : Aluminum Die Cast
Load Inertia (wk^2), lb-ft² : -
Rotor Inertia (wk^2), lb-ft² : 150
Rotor Weight, lbs : 1018
Motor Weight, lbs : 4775
Stator Temp. Rise : 80 by RES @ 1SF
Sound Pressure Level : 80dBA @ 3ft, unloaded
Insulation Class : F-VPI
Bearing Type : Anti-Friction

PERFORMANCE DATA

Full Load Speed, RPM :	1187	Full Load Torque, lb-ft :	1549
Current, Amps :	86.2 / 49.8	Starting Torque, %FLT :	139
Locked Rotor Current, %FLA :	563	Breakdown Torque, %FLT :	225
kVA/HP :	5.55	NEMA Design :	B
kVA Code :	F		

	0.25 <u>Load</u>	0.50 <u>Load</u>	0.75 <u>Load</u>	Full <u>Load</u>	1.15 <u>Load</u>	No <u>Load</u>	Locked <u>Rotor</u>
Percent Efficiency :	91.0	93.9	94.4	94.2	93.9	N/A	N/A
Percent Power Factor :	44.8	67.0	76.5	80.4	81.4	4.2	26.2
Higher Voltage Current, Amps :	23.1	30.0	39.1	49.8	56.7	19.3	280
Lower Voltage Current, Amps :	40.0	51.9	67.8	86.2	98.2	33.4	485

	<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 :	18	23	Seconds	<u>Stator:</u>	155	170
Safe Stalled Time, Motor Cold :	21	27	Seconds			
Acceleration Time :	-	-	Seconds			

Time Constants : 0.550 Seconds Open Circuit
0.037 Seconds Short Circuit (AC)
X/R Ratio : 15.265

Prepared by I Niggebrugge on 08/02/16

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