

Product Information Packet

February 5, 2024

Data shown is for the current revision model #. Ensure your nameplate model # matches.

Model Number:	WPN-DA213TSI-6
Catalog Number:	BA6N003V4
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BA6N003V4	Estimated Weight:	130 Lbs
Outline Drawing:	See Page 3	Time Rating:	S1
Connection Diagram:	See Page 4	Enclosure:	TEFC
Design Code:	B	Encl Construction:	GP
Type:	KS	Ambient Max(°C):	40
Frame:	213T	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	6	NEMA Design:	B
Output Power:	3.0HP	Nominal Efficiency:	89.5 %
RPM:	1180	Guaranteed Efficiency:	87.5 %
Voltage:	208-230/460	3/4 Load Efficiency:	89.1 %
Hertz:	60	KVA Code:	H
Amps - FL:	8.69/4.36	Max KVAR:	7.1
Service Factor:	1.25@60Hz	Power Factor:	71%
Alt Service Factor:	1.15	Bearing - DE:	6208-ZZC3
		Bearing - ODE:	6208-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

12-60HZ CONSTANT TORQUE, 6-60Hz VARIABLE TORQUE

50HZ DATA:
 190-200/400V
 10.6/5.31AMPS
 RPM 980
 SF 1.0

CSA APPROVED FOR CLASS I;DIVISION 2; GROUPS A, B, C & D,ZONE 2; GROUPS IIA & IIB T3 WITH VFD

Additional Information:

ROTATION: CW VIEWED FROM DE
 INVERTER DUTY: CT5:1(12Hz~60Hz)@100%TN, CT15:1(4Hz~60Hz)@66.7%TN, VT20:1

Performance Characteristics

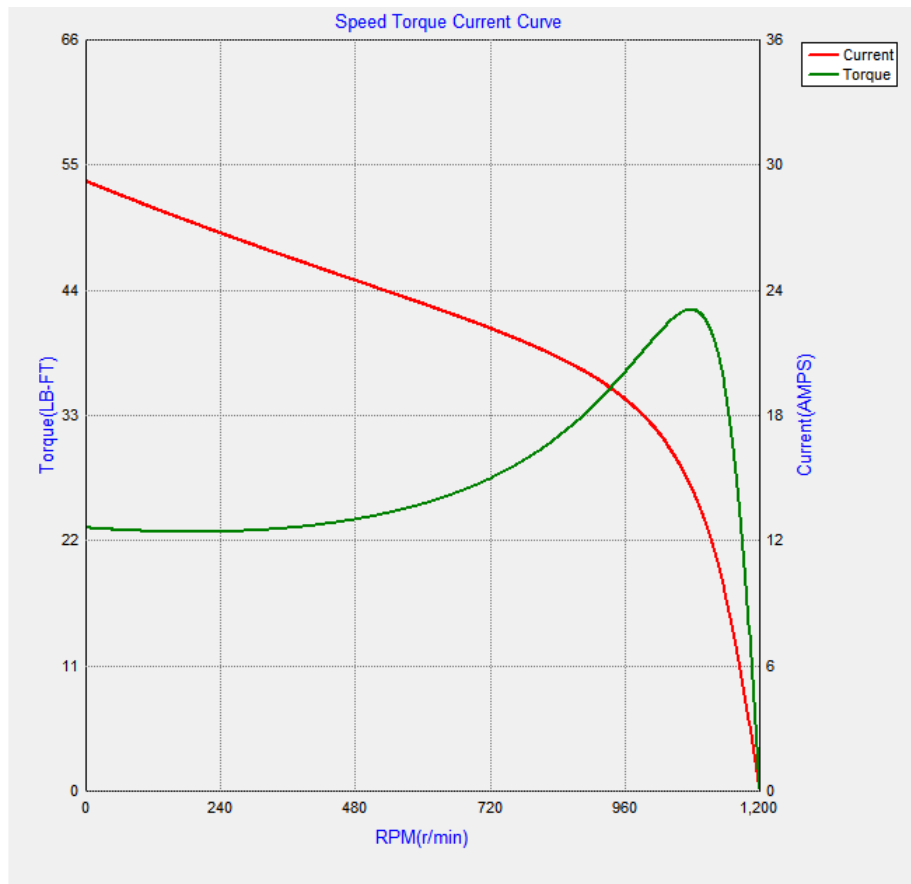
Marks:

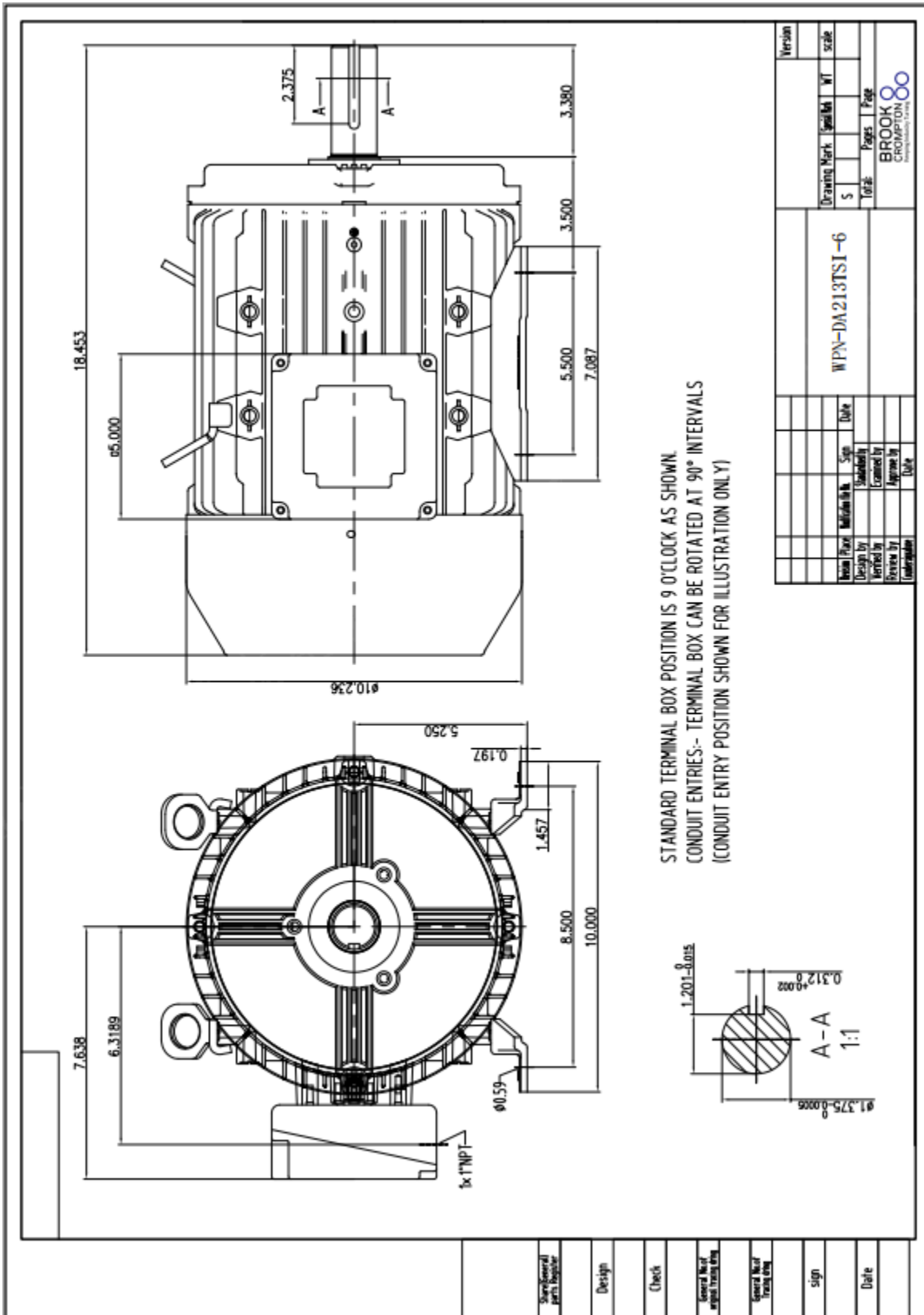
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	88.6	89.2	89.5	89.1	87.5	81.5
% PF	77.3	75.1	71.0	63.7	51.0	30.1
AMPS(460V)	6.05	5.15	4.35	3.65	3.09	2.82

TORQUE(FL) LB-FT 13.1 TORQUE(LR)%FL 184 TORQUE(BD)%FL 329
 AMPS(LR 460V) 31.4 PF AT START 25

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	1.28(0.054)
Max load inertia: Lb-Ft ² (Kg-m ²):	
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	7.0
Safe stall time (sec): Cold/Hot	48/20





Marks:

Connection Diagram

