

Product Information Packet

February 13, 2024

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

Model Number:	WPN-DA145TSR-4D
Catalog Number:	BA4N002V3D
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BA4N002V4D	Estimated Weight:	52 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:	145TD	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	2HP	Nominal Efficiency:	86.5 %
RPM:	1735	Guaranteed Efficiency:	84.0 %
Voltage:	208-230/460	3/4 Load Efficiency:	86.9 %
Hertz:	60	KVA Code:	K
Amps - FL:	5.87/2.93	Max KVAR:	9
Service Factor:	1.25@60Hz	Power Factor:	82%
Alt Service Factor:	1.15	Bearing - DE:	6205-ZZC3
		Bearing - ODE:	6203-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 6.19/3.10AMPS
 RPM 1455
 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:

F1/F2/F3/ROUND BODY MOUNTING USING REMOVABLE/REPOSITIONABLE FEET
 INVERTER DUTY: CT5:1(12Hz~60Hz)@100%TN, CT15:1(4Hz~60Hz)@66.7%TN, VT20:1

Performance Characteristics

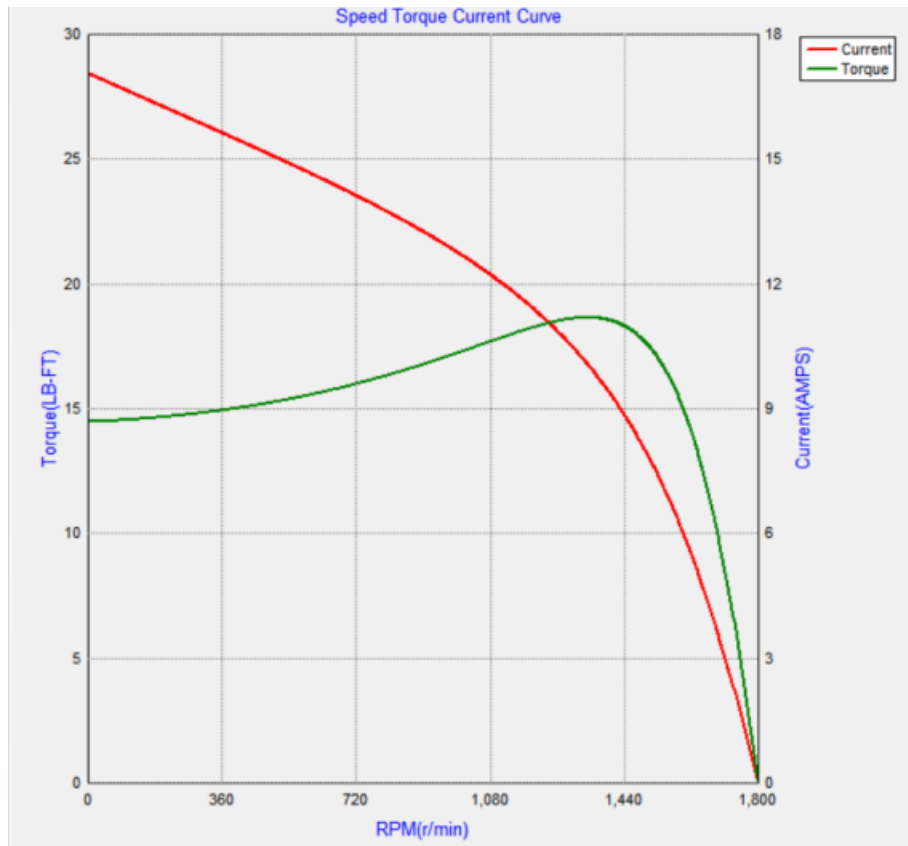
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	10.0
% EFF	85.35	85.88	86.52	86.99	86.17	80.99	66.53
% PF	84.23	83.56	82.00	76.91	66.40	44.20	22.23
AMPS(460V)	3.28	3.02	2.65	2.11	1.63	1.28	1.16

TORQUE(FL) LB-FT 8.26 TORQUE(LR)%FL 245 TORQUE(BD)%FL 301
 AMPS(LR 460V) 18.6 PF AT START 22

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	0.088(0.004)
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):	6.4
Safe stall time (sec): Cold/Hot	42/17



Please contact Brook Crompton for drawings.

Marks:

Connection Diagram

