

Product Information Packet

February 13, 2024

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

Model Number:	WPN-DA143TSK-4D
Catalog Number:	BA4N001V5D
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BA4N001V5D
Outline Drawing:	See Page 3
Connection Diagram:	See Page 4
Design Code:	B
Type:	KS
Frame:	143TD
Phases:	3
Poles:	4
Output Power:	1HP
RPM:	1750
Voltage:	575
Hertz:	60
Amps - FL:	1.14
Service Factor:	1.25@60Hz
Alt Service Factor:	1.15

Estimated Weight:	50 Lbs
Time Rating:	S1
Enclosure:	TEFC
Encl Construction:	GP
Ambient Max(°C):	40
Alt Ambient Max(°C):	40
Insulation Class:	F
NEMA Design:	B
Nominal Efficiency:	85.5 %
Guaranteed Efficiency:	82.5 %
3/4 Load Efficiency:	85.1 %
KVA Code:	K
Max KVAR:	9
Power Factor:	77%
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:
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

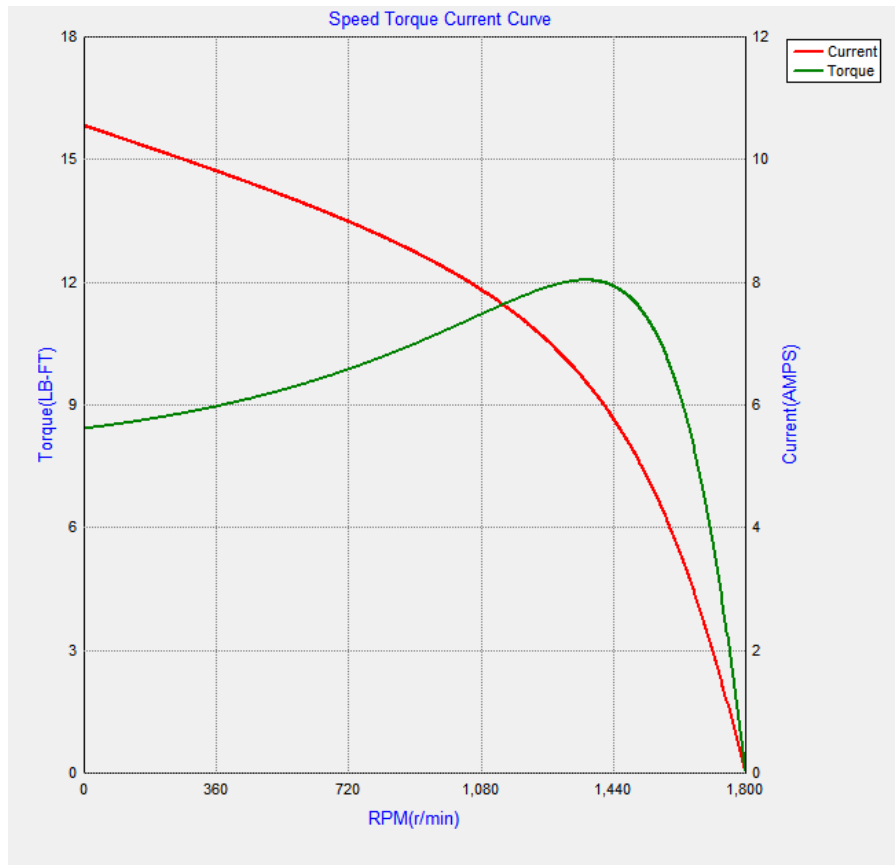
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	84.40	85.19	85.51	85.11	83.11	75.80
% PF	83.11	81.42	77.16	70.26	57.18	36.83
AMPS(460V)	2.02	1.70	1.43	1.19	0.99	0.85

TORQUE(FL) LB-FT 4.09 TORQUE(LR)%FL 275 TORQUE(BD)%FL 300
 AMPS(LR 460V) 11.04 PF AT START 19

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	0.065(0.003)
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):	5.7
Safe stall time (sec): Cold/Hot	61/25



Please contact Brook Crompton for drawings.