

Product Information Packet

February 22, 2024

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

Model Number:	WPN-DF90SP-4D
Catalog Number:	BC4M1.5V4D
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BC4M1.5V4D	Estimated Weight:	40 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:	H90	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	1.5HP	Nominal Efficiency:	86.5 %
RPM:	1750	Guaranteed Efficiency:	84.0 %
Voltage:	208-230/460	3/4 Load Efficiency:	86.2 %
Hertz:	60	KVA Code:	K
Amps - FL:	4.09/2.05	Max KVAR:	9
Service Factor:	1.25@60Hz	Power Factor:	78%
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
4.84/2.42AMPS
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

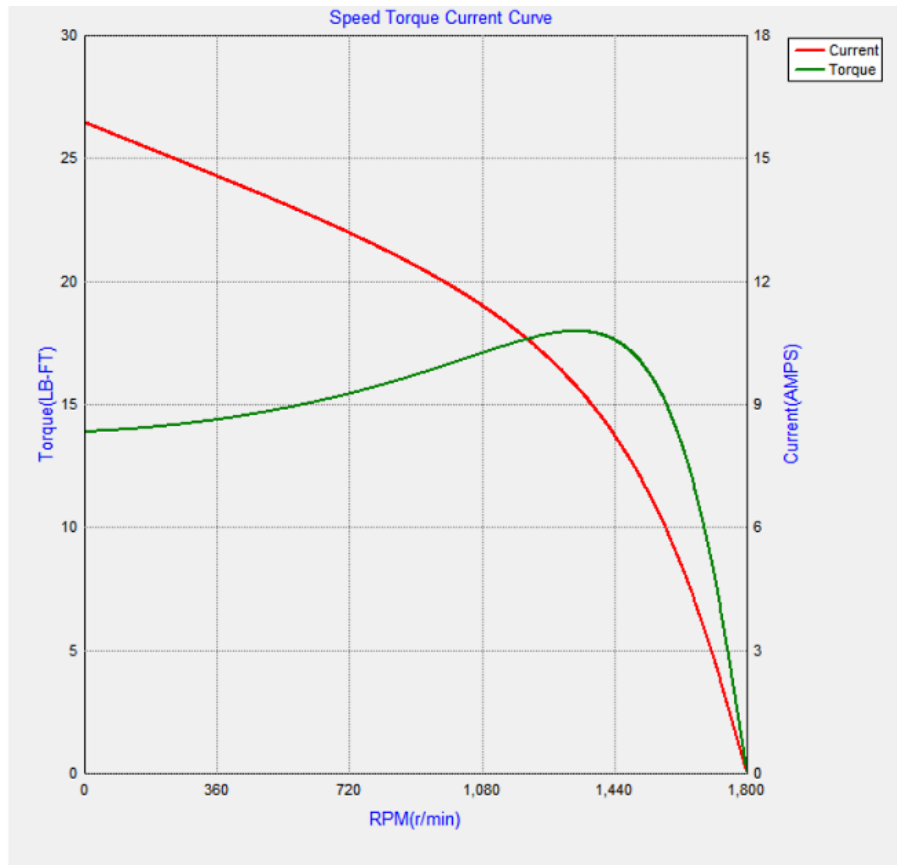
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	85.22	86.09	86.51	86.24	84.45	77.56
% PF	83.92	81.85	78.96	71.15	58.77	37.03
AMPS(460V)	2.90	2.45	2.03	1.69	1.39	1.20

TORQUE(FL) LB-FT 6.00 TORQUE(LR)%FL 310 TORQUE(BD)%FL 380
 AMPS(LR 460V) 16.52 PF AT START 18

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):	6.1
Safe stall time (sec): Cold/Hot	43/17



Place BC's Outline drawing

STANDARD TERMINAL BOX POSITION IS 9 O'CLOCK AS SHOWN.
CONDUIT ENTRIES-- TERMINAL BOX CAN BE ROTATED AT 90° INTERVALS
(CONDUIT ENTRY POSITION SHOWN FOR ILLUSTRATION ONLY)

Version	Drawn	Mark	Checked	WT	Scale
A1	5				
Total: Pages 1 Page					

WPN-DP90 B3.5

Name	Face	Make	In	Skp	Date
Design by					
Checked by					
Drawn by					
Approved by					
Interchange					

Dimensions: 120, 255, 130, 90±0.5, 10.5, 140, 178, 120, 175, 355, 100±0.1, 125±0.1, 56±1.5, 50±0.31, 3.5±0.12, 40, 5, 130±0.014, 20±0.2, 0.05, 0.004, M20x1.5, M8x1.8, A-A

Marks:

Connection Diagram

