

Product Information Packet

April 9, 2025

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

Model Number:	WPN-DF326TSL-2
Catalog Number:	BC2N050V4C
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BC2N050V4C	Estimated Weight:	750 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:	326TS	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	2	NEMA Design:	B
Output Power:	50HP	Nominal Efficiency:	93.0 %
RPM:	3565	Guaranteed Efficiency:	91.7 %
Voltage:	208-230/460	3/4 Load Efficiency:	93.3 %
Hertz:	60	KVA Code:	F
Amps - FL:	112/56.1	Max KVAR:	5.6
Service Factor:	1.25@60Hz	Power Factor:	89%
Alt Service Factor:	1.15	Bearing - DE:	6313-C3
		Bearing - ODE:	6313-C3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 128/64.0AMPS
 RPM 2970
 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

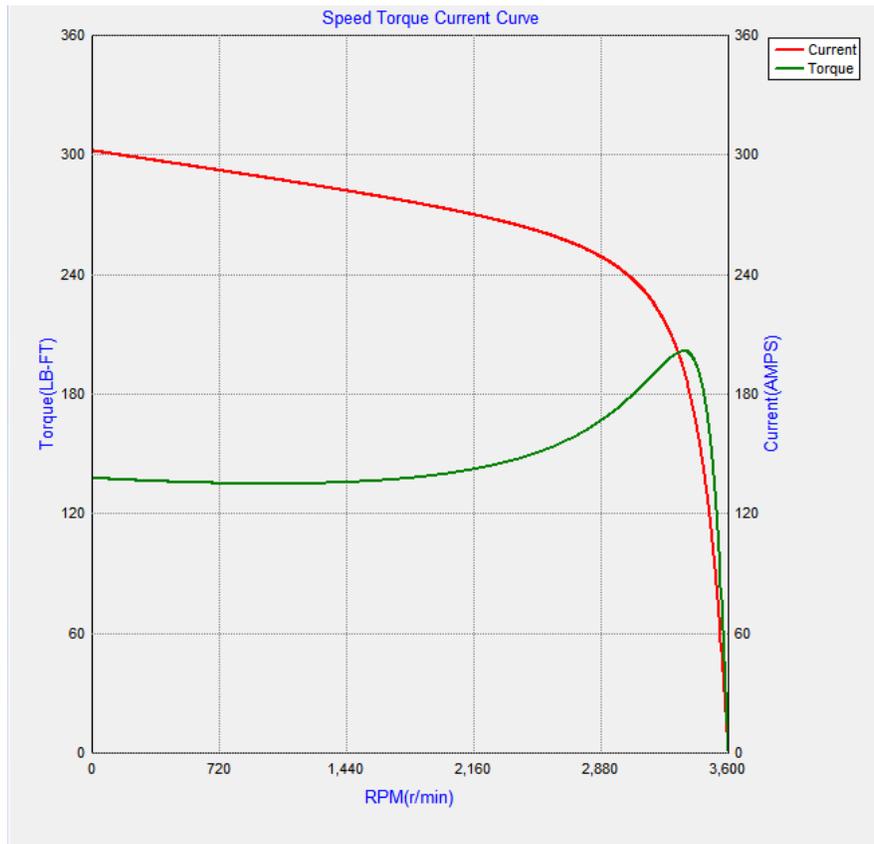
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	91.8	92.5	93.0	93.3	93.1	91.4
% PF	88.0	88.9	89.0	88.0	84.2	69.2
AMPS(460V)	86.2	70.6	56.1	42.4	29.6	18.4

TORQUE(FL) LB-FT 99 TORQUE(LR)%FL 189 TORQUE(BD)%FL 270
 AMPS(LR 460V) 314 PF AT START 38

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	4.350(0.183)
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):	16.2
Safe stall time (sec): Cold/Hot	39/16



Marks:

Connection Diagram

Thermistor Connection

