

Product Information Packet

April 1, 2024

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

Model Number:	WPN-DF326TSW-4
Catalog Number:	BC4N050V4
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BC4N050V4	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:	326T	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	50HP	Nominal Efficiency:	94.5 %
RPM:	1775	Guaranteed Efficiency:	93.6 %
Voltage:	208-230/460	3/4 Load Efficiency:	94.6 %
Hertz:	60	KVA Code:	F
Amps - FL:	113/56.5	Max KVAR:	5.6
Service Factor:	1.25@60Hz	Power Factor:	87%
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
 131/65.4AMPS
 RPM 1475
 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	93.5	94.1	94.5	94.7	94.4	92.3
% PF	87.3	87.6	87.0	84.3	77.3	56.7
AMPS(460V)	86.1	71.0	56.9	44.0	32.1	22.4

TORQUE(FL) LB-FT 148 TORQUE(LR)%FL 220 TORQUE(BD)%FL 276
 AMPS(LR 460V) 349 PF AT START 28

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	10.60(0.444)
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	35/21



