

Product Information Packet

April 11, 2025

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

Model Number:	WPN-DF250SW-4
Catalog Number:	BC4M075V4
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

Table of Contents

Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04

Marks:

MODEL NUMBER:	BC4M075V4	Estimated Weight:	1384 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:	250S	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	75HP	Nominal Efficiency:	95.4 %
RPM:	1780	Guaranteed Efficiency:	94.5 %
Voltage:	208-230/460	3/4 Load Efficiency:	95.4 %
Hertz:	60	KVA Code:	H
Amps - FL:	163/81.3	Max KVAR:	7.1
Service Factor:	1.25@60Hz	Power Factor:	89%
Alt Service Factor:	1.15	Bearing - DE:	6316-C3
		Bearing - ODE:	6314-C3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 189/94.3AMPS
 RPM 1480
 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

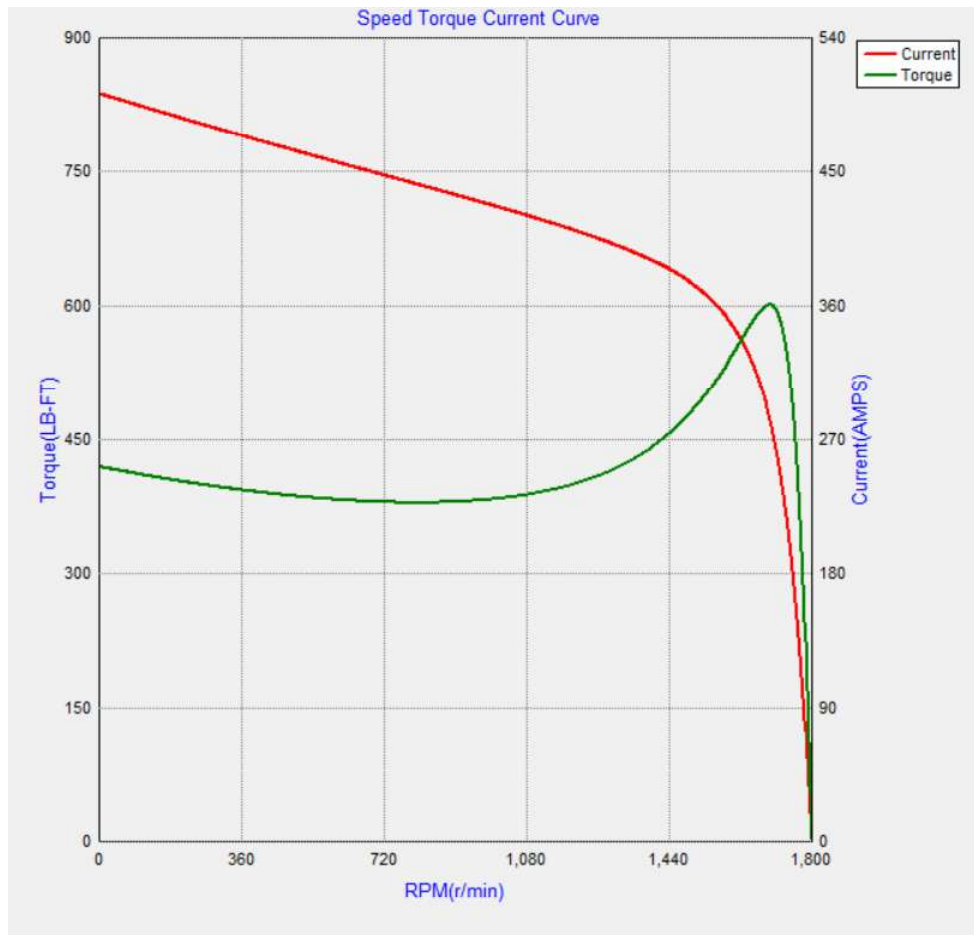
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	94.4	95.0	95.4	95.6	95.5	94.0
% PF	87.3	87.8	87.6	85.8	80.3	61.8
AMPS(460V)	126	103	82.6	63.1	45.0	29.7

TORQUE(FL) LB-FT 295 TORQUE(LR)%FL 194 TORQUE(BD)%FL 274
 AMPS(LR 460V) 520 PF AT START 32

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	19.1(0.801)
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):	18.8
Safe stall time (sec): Cold/Hot	48/20



Marks:

Connection Diagram

Thermistor Connection

