



Product Information Packet

April 4, 2025

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

Model Number:	WPN-DF250MR-2
Catalog Number:	BC2M075V4D
Connection Diagram:	See Page 4
Outline Drawing:	

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Marks:

MODEL NUMBER:	BC2M075V4D
Outline Drawing:	See Page 3
Connection Diagram:	See Page 4
Design Code:	B
Type:	KS
Frame:	250M
Phases:	3
Poles:	2
Output Power:	75HP
RPM:	3565
Voltage:	208-230/460
Hertz:	60
Amps - FL:	162/81
Service Factor:	1.25@60Hz
Alt Service Factor:	1.15

Estimated Weight:	1384Lbs
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:	93.6 %
Guaranteed Efficiency:	92.4 %
3/4 Load Efficiency:	93.7 %
KVA Code:	F
Max KVAR:	5.6
Power Factor:	91%
Bearing - DE:	6314-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
 196/97.4AMPS
 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

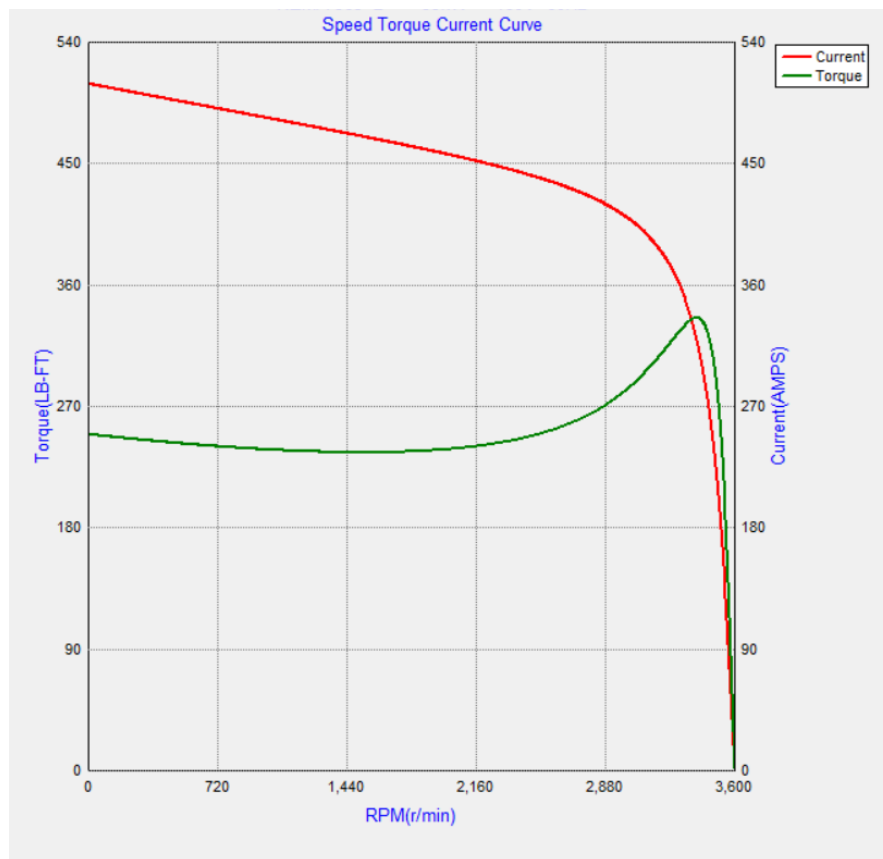
Performance Characteristics**Marks:**

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	93.3	93.7	94.0	94.1	93.8	91.8
% PF	89.3	89.7	89.5	90.8	83.8	67.8
AMPS(460V)	124	103	82.1	60.6	43.9	27.7

TORQUE(FL) LB-FT 147 TORQUE(LR)%FL 232 TORQUE(BD)%FL 310
 AMPS(LR 460V) 527 PF AT START 38

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	9.429(0.396)
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	32/13



Marks:

Connection Diagram

Thermistor Connection

