

Product Information Packet

February 22, 2024

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

Model Number:	WPN-DF132MQ-4
Catalog Number:	BC4M010V5
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BC4M010V5	Estimated Weight:	150 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:	H132	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	10HP	Nominal Efficiency:	91.7 %
RPM:	1765	Guaranteed Efficiency:	90.2 %
Voltage:	575	3/4 Load Efficiency:	91.8 %
Hertz:	60	KVA Code:	G
Amps - FL:	9.76	Max KVAR:	6.3
Service Factor:	1.25@60Hz	Power Factor:	84%
Alt Service Factor:	1.15	Bearing - DE:	6208-ZZC3
		Bearing - ODE:	6208-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

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

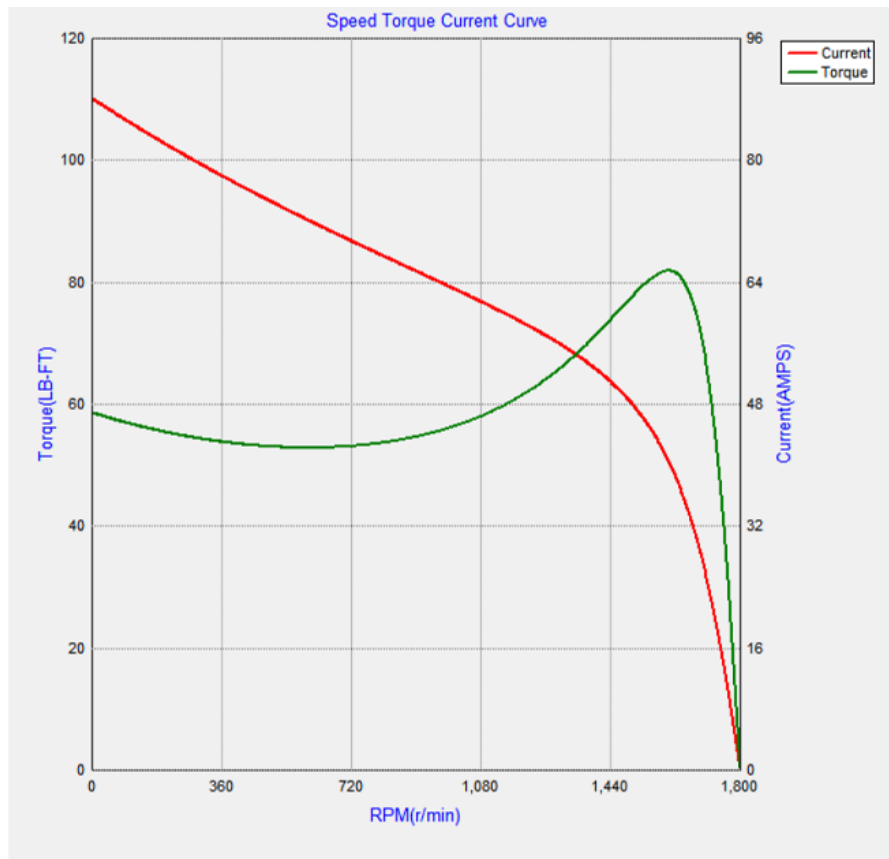
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	90.17	91.09	91.70	91.89	91.23	87.58
% PF	85.11	84.77	84.05	80.88	73.00	51.93
AMPS(460V)	18.42	15.25	12.22	9.51	7.08	5.19

TORQUE(FL) LB-FT 40.58 TORQUE(LR)%FL 200 TORQUE(BD)%FL 268
 AMPS(LR 460V) 91.5 PF AT START 26

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	1.020(0.043)
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):	9.5
Safe stall time (sec): Cold/Hot	37/15



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)

Dimensional Callouts:
 Front View: 135, 172, 132.5, 18, 216, 254, 355
 Side View: 5, 70±.2, A, A, 80±0.37, 89±2, 140±0.1, 178±0.1, 500, 612
 Detail View: 10-0.008, M12x28, 0.5, 0.018, 0.38±0.002

Version	AT	scale
Drawing Mark	Sheet No	WT
5		
Total	Pages	Page

WPN-DFI 32 B3

Drawn By	Checked By	Scale	Date
Design By	Reviewed By	Approved By	Date
Verified In	Manufactured	Comes by	Agree by
Reviewed By	Inspected	Accepted	Date

Supervisor	Design	Check	General Mfg. (with Training Eng.)	General Mfg. (with Training Eng.)	sign	Date
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