

Product Information Packet

February 13, 2024

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

Model Number:	WPN-DA215TSM-6D
Catalog Number:	BA6N005V5D
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BA6N005V5D	Estimated Weight:	162 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:	215TD	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	6	NEMA Design:	B
Output Power:	5HP	Nominal Efficiency:	89.5 %
RPM:	1175	Guaranteed Efficiency:	87.5 %
Voltage:	575	3/4 Load Efficiency:	89.6 %
Hertz:	60	KVA Code:	H
Amps - FL:	5.54	Max KVAR:	7.1
Service Factor:	1.25@60Hz	Power Factor:	75%
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

50HZ DATA:
RPM 975
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

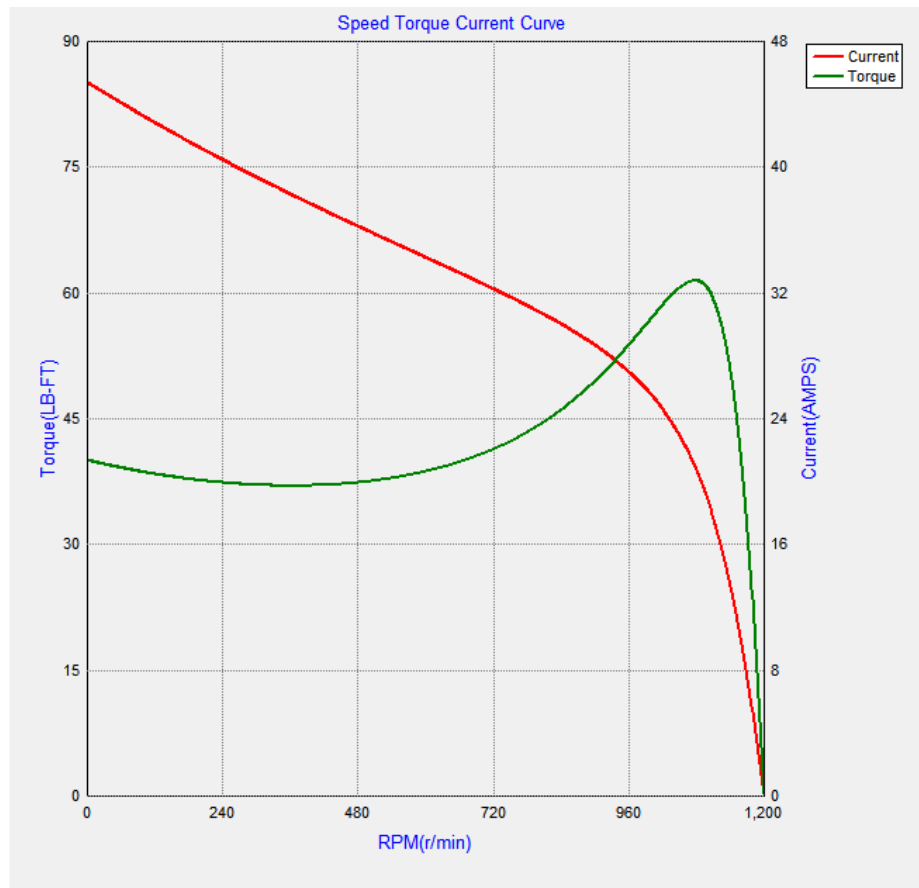
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	88.0	88.9	89.5	89.6	88.6	83.8
% PF	79.1	77.9	75.0	69.1	57.5	35.5
AMPS(460V)	10.0	8.39	6.92	5.63	4.56	3.91

TORQUE(FL) LB-FT 22.1 TORQUE(LR)%FL 187 TORQUE(BD)%FL 279
 AMPS(LR 460V) 48.3 PF AT START 28

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	1.54(0.065)
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):	7.8
Safe stall time (sec): Cold/Hot	35/14



Please contact Brook Crompton for drawings.