

Product Information Packet

February 13, 2024

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

Model Number:	WPN-DA286TSP-6D
Catalog Number:	BA6N020V5D
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BA6N020V5D	Estimated Weight:	380 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:	286TD	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	6	NEMA Design:	B
Output Power:	20HP	Nominal Efficiency:	91.7 %
RPM:	1180	Guaranteed Efficiency:	90.2 %
Voltage:	575	3/4 Load Efficiency:	92.0 %
Hertz:	60	KVA Code:	F
Amps - FL:	19.52	Max KVAR:	5.6
Service Factor:	1.25@60Hz	Power Factor:	84%
Alt Service Factor:	1.15	Bearing - DE:	6310-ZZC3
		Bearing - ODE:	6308-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
RPM 980
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

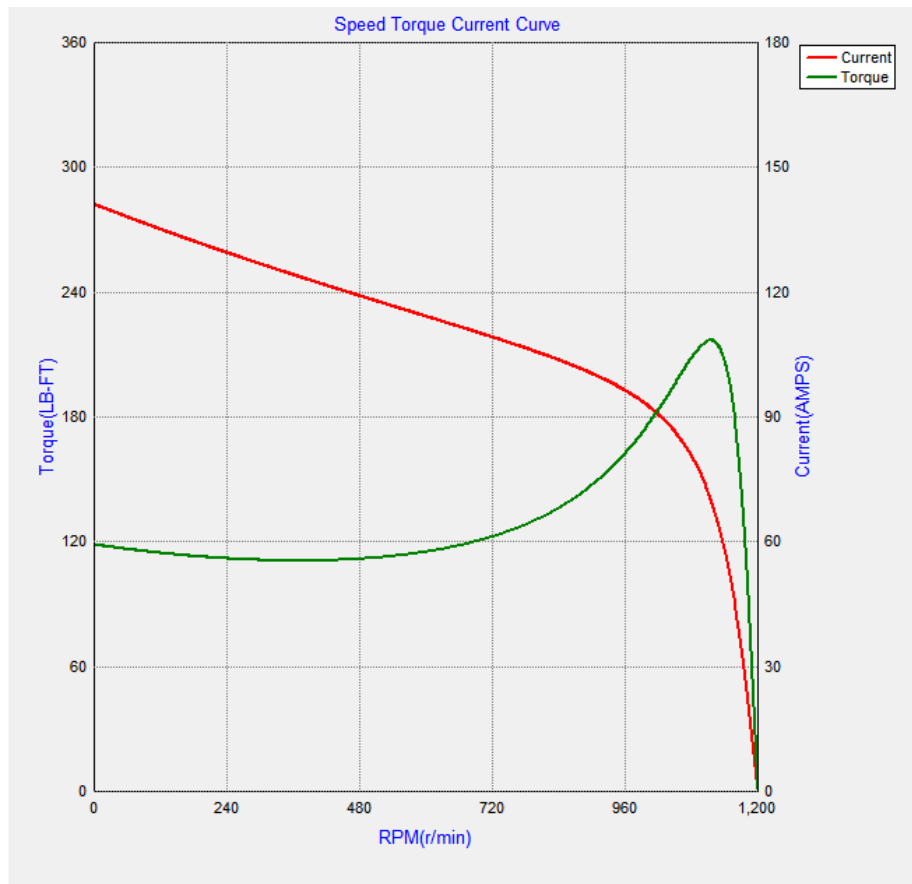
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	89.7	90.8	91.7	92.0	90.8	89.7
% PF	84.1	84.6	84.0	81.1	73.4	52.0
AMPS(460V)	37.4	30.6	24.4	18.9	14.1	10.1

TORQUE(FL) LB-FT 89.5 TORQUE(LR)%FL 135 TORQUE(BD)%FL 210
 AMPS(LR 460V) 146 PF AT START 45

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	6.900(0.290)
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):	11.7
Safe stall time (sec): Cold/Hot	43/18



Please contact Brook Crompton for drawings.