

60HZ TECHNICAL DATA SHEET

CATALOG No: **BC2N200-9**

ISSUED: 28-Apr-22

GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
200	150.00	2	3600	447TS	460 V	60	3	IP55

Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.25	Continuous	B	-15 to 40 C*	<3300 ft

TYPICAL PERFORMANCE

Efficiency (%)			Power Factor (%)		
Full Load	3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
95.4	95.6	94.1	0.92	0.94	0.84

LRT%	BDT %	Full Load Amps	Locked Rotor Amps	Full Load RPM
		460 V	460 V	
220	210	215.00	1612.50	3575

NEMA KVA Code	Bearing Size		Oil Seal		Sound Level
	Drive End	Non-Drive End	Drive End	Non-Drive End	dB(A)
H	6316.00	6316.00	70 x 90 x 10	70 x 90 x 10	82

*Weights shown are estimated and based on standard foot mounted motor designs

VFD DUTY INFORMATION

	Variable Torque	Constant Torque	Rating
-	3 - 60 Hz	4 - 60 Hz	CSA Approved Class I; Div 2; Groups A, B, C, & D, T3
-	-	-	

Click Link Below For Drawing

<http://brookcrompton.com/Drawings/W-NEMA/NEMA%20Cast%20Iron%20B3/WP-DF447TS.pdf>

Click Link Below For Connection Diagram

http://www.brookcrompton.com/Connections/Connection%20Diagram%206%20Lead_460V%20NEMA.pdf

Notes:

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ISSUED: 28-Apr-22

GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
200	150.00	2	3000	447TS	400 V	50	3	IP55

Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.00	S1	B	-15 to 40 C°	<3300 ft

TYPICAL PERFORMANCE

Efficiency (%)			Power Factor (%)		
Full Load	3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
-	-	-	-	-	-

LRT %	BDT %	Full Load Amps		Locked Rotor Amps		Full Load RPM
		400 V		400 V		
220	210	-	-	-	-	-

NEMA KVA Code	Bearing Size		Oil Seal		Sound Level
	Drive End	Non-Drive End	Drive End	Non-Drive End	dB(A)
H	6316.00	6316.00	70 x 90 x 10	70 x 90 x 10	82

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VFD DUTY INFORMATION

	Variable Torque	Constant Torque	Rating
-	3 - 60 Hz	4 - 60 Hz	CSA Approved Class I; Div 2; Groups A, B, C, & D, T3
-	-	-	

Click Link Below For Drawing

<http://brookcromptonna.com/Drawings/W-NEMA/NEMA%20Cast%20Iron%20B3/WP-DF447TS.pdf>

Click Link Below For Connection Diagram

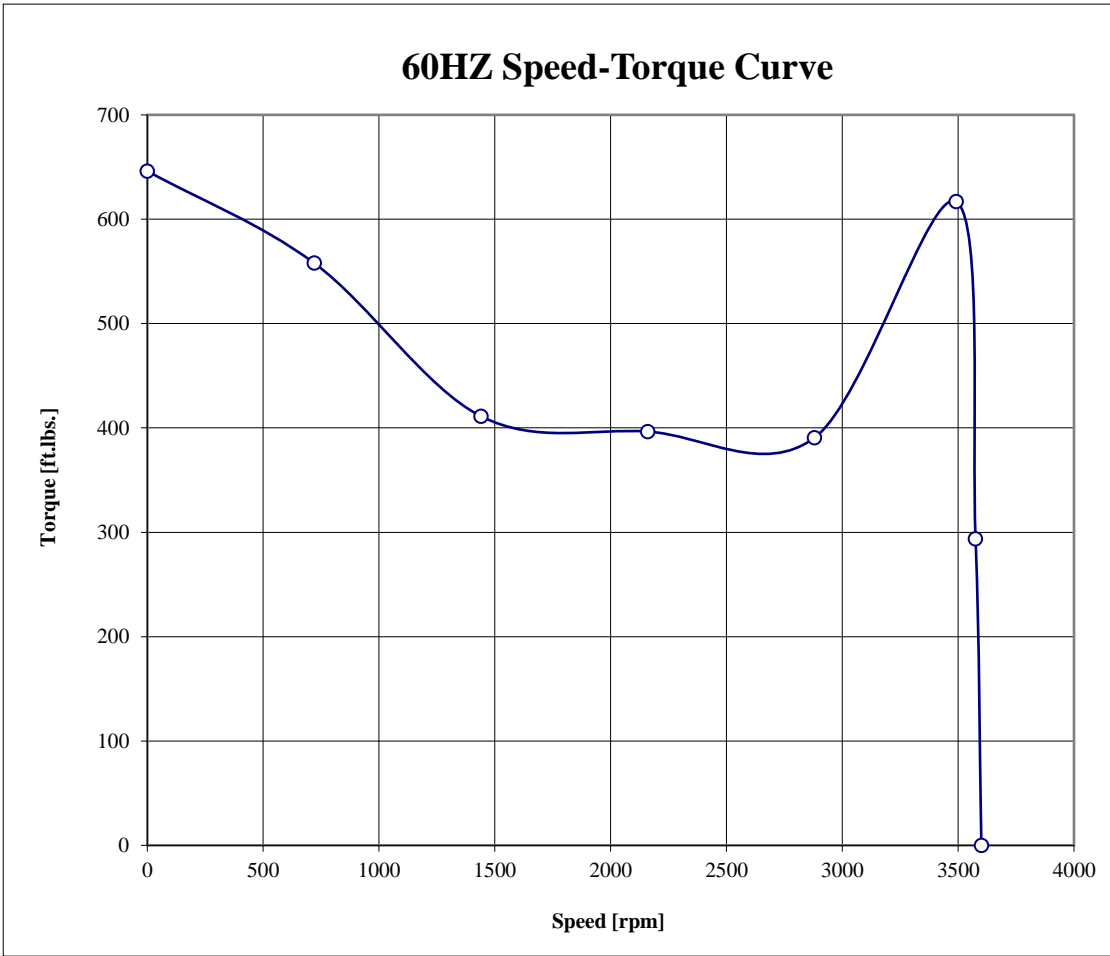
http://www.brookcromptonna.com/Connections/Connection%20Diagram%206%20Lead_460V%20NEMA.pdf

Notes:

Motor: BC2N200-9

	Frame:	447TS	200 HP	460 V	
	Pole no.:	2	293.7 ft.lbs.	60 Hz	3575 rpm

Speed	0	720	1440	2160	2880	3492	3575	3600
Speed ratios	0	0.2	0.4	0.6	0.8	0.97	0.993	1
Mot. torque ratios	2.2	1.9	1.4	1.4	1.3	2.1	1	0
Motor torque / ft.lbs.	646	558	411	397	391	617	294	0



*Curve base on calculated values

50HZ Speed-Torque Curve not available for this motor

				Motor: BC2N200-9	
	Frame:	447TS	200 HP	400 V	
	Pole no.:	2	- ft.lbs.	50 Hz	- rpm

Speed	0	600	1200	1800	2400	2910	-	3000
Speed ratios	0	0.2	0.4	0.6	0.8	0.97	-	1
Mot. torque ratios	2.2	1.9	1.4	1.4	1.3	2.1	1	0
Motor torque / ft.lbs.	-	-	-	-	-	-	-	-



*Curve base on calculated values