

CATALOG No: **BC2N015-4D**

ISSUED: 28-Apr-22

GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
15	11.00	2	3600	254TD	230/460 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
91.0	91.3	91.0	0.89	0.87	0.83

LRT%	BDT %	Full Load Amps	Locked Rotor Amps	Full Load RPM
		460 V	460 V	
200	340	17.00	109.00	3540

NEMA KVA Code	Bearing Size		Oil Seal		Sound Level
	Drive End	Non-Drive End	Drive End	Non-Drive End	dB(A)
G	63092Z	63072Z	45 x 60 x 8	35 x 47 x 7	65

*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://brookcromptonna.com/Drawings/W-NEMA/NEMA%20Cast%20Iron%20B35/WP-DF254.6TD.pdf>

Click Link Below For Connection Diagram

<http://www.brookcromptonna.com/Connections/Connection%20Diagram%2012%20Lead%20X4%20NEMA.pdf>

Notes:

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GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
15	11.00	2	3000	254TD	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
88.5	89.5	90.5	0.91	0.89	0.87

LRT %	BDT %	Full Load Amps		Locked Rotor Amps		Full Load RPM
		400 V		400 V		
200	340	19.55		125.35		2905

NEMA KVA Code	Bearing Size		Oil Seal		Sound Level
	Drive End	Non-Drive End	Drive End	Non-Drive End	dB(A)
G	63092Z	63072Z	45 x 60 x 8	35 x 47 x 7	65

*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%20B35/WP-DF254.6TD.pdf>

Click Link Below For Connection Diagram

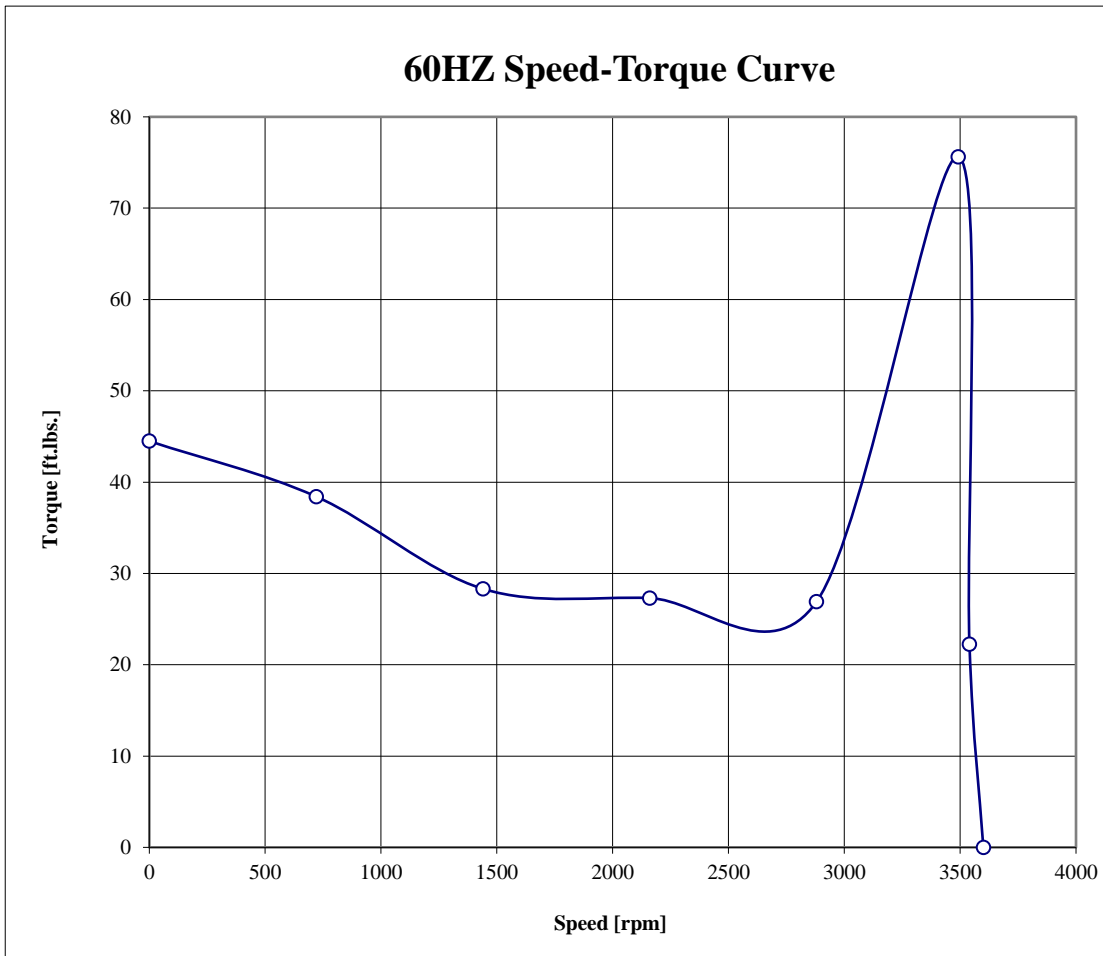
<http://www.brookcrompton.com/Connections/Connection%20Diagram%2012%20Lead%202X4%20NEMA.pdf>

Notes:

Motor: BC2N015-4D

	Frame:	254TD	15 HP	460 V	
	Pole no.:	2	22.2 ft.lbs.	60 Hz	3540 rpm

Speed	0	720	1440	2160	2880	3492	3540	3600
Speed ratios	0	0.2	0.4	0.6	0.8	0.97	0.983	1
Mot. torque ratios	2	1.7	1.3	1.2	1.2	3.4	1	0
Motor torque / ft.lbs.	44	38	28	27	27	76	22	0

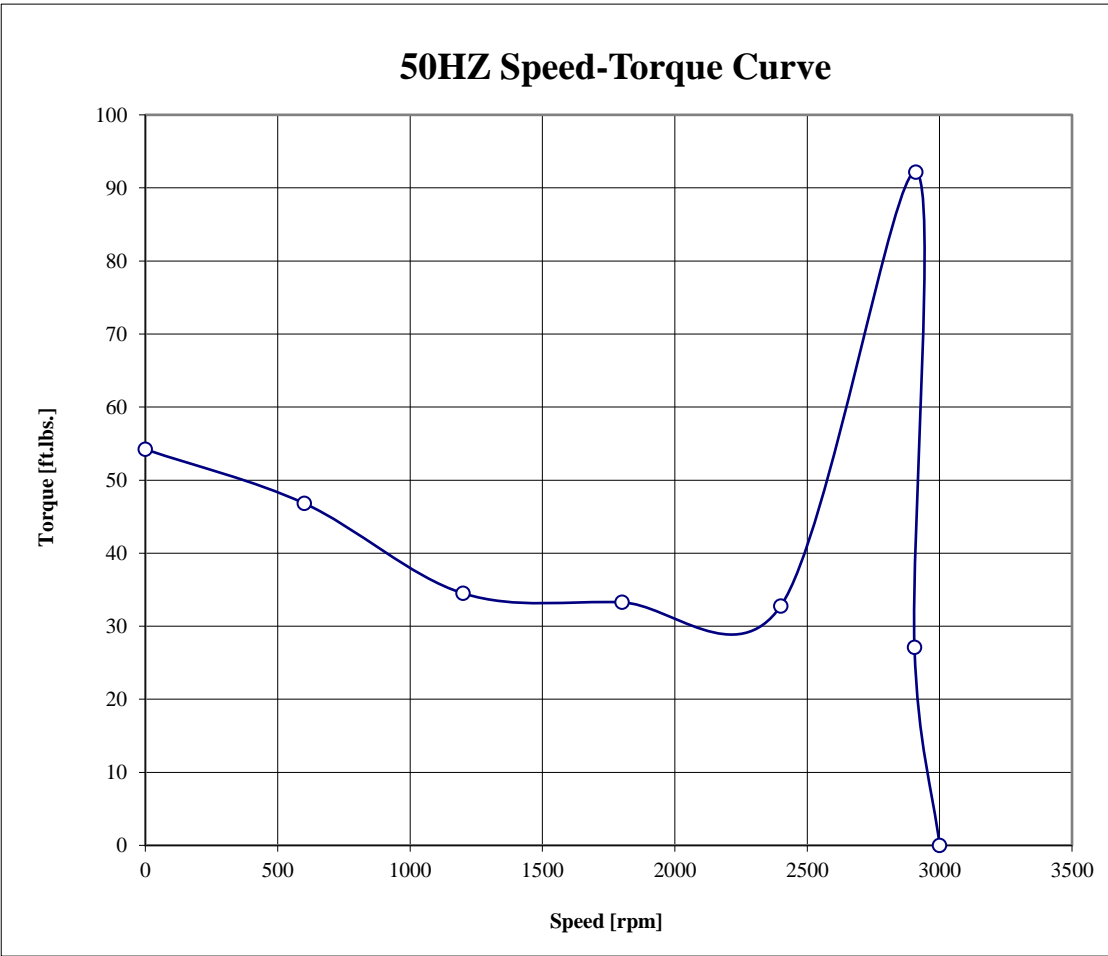


*Curve base on calculated values

Motor: BC2N015-4D

	Frame:	254TD	15 HP	400 V	
	Pole no.:	2	27.1 ft.lbs.	50 Hz	2905 rpm

Speed	0	600	1200	1800	2400	2910	2905	3000
Speed ratios	0	0.2	0.4	0.6	0.8	0.97	0.968	1
Mot. torque ratios	2	1.7	1.3	1.2	1.2	3.4	1	0
Motor torque / ft.lbs.	54	47	35	33	33	92	27	0



*Curve base on calculated values