

60HZ TECHNICAL DATA SHEET

CATALOG No: **PA2N015-4SC**

ISSUED: 28-Apr-22

GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
15	-	2	3600	215TC	230/460 V	60	3	IP55

Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.15	Continuous	A	-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	91.6	90.4	0.88	0.89	0.82

LRT%	BDT %	Full Load Amps	Locked Rotor Amps	Full Load RPM
		460 V	460 V	
350	320	17.40	156.60	3540

NEMA KVA Code	Bearing Size		Oil Seal		Sound Level
	Drive End	Non-Drive End	Drive End	Non-Drive End	dB(A)
K	-	-	-	-	-

*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/PA-PC-TA-TC/NEMA/Flange/NEMA215KTC.pdf>

Click Link Below For Connection Diagram

[Connection Diagram Not Available. Please Call 1-800-MOTORS-9](#)

Notes:

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ISSUED: 28-Apr-22

GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
15	-	2	3000	215TC	400 V	50	3	IP55

Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	-	S1	A	-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	
350	320	-	-	0

NEMA KVA Code	Bearing Size		Oil Seal		Sound Level
	Drive End	Non-Drive End	Drive End	Non-Drive End	dB(A)
K	-	-	-	-	-

*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/PA-PC-TA-TC/NEMA/Flange/NEMA215KTC.pdf>

Click Link Below For Connection Diagram

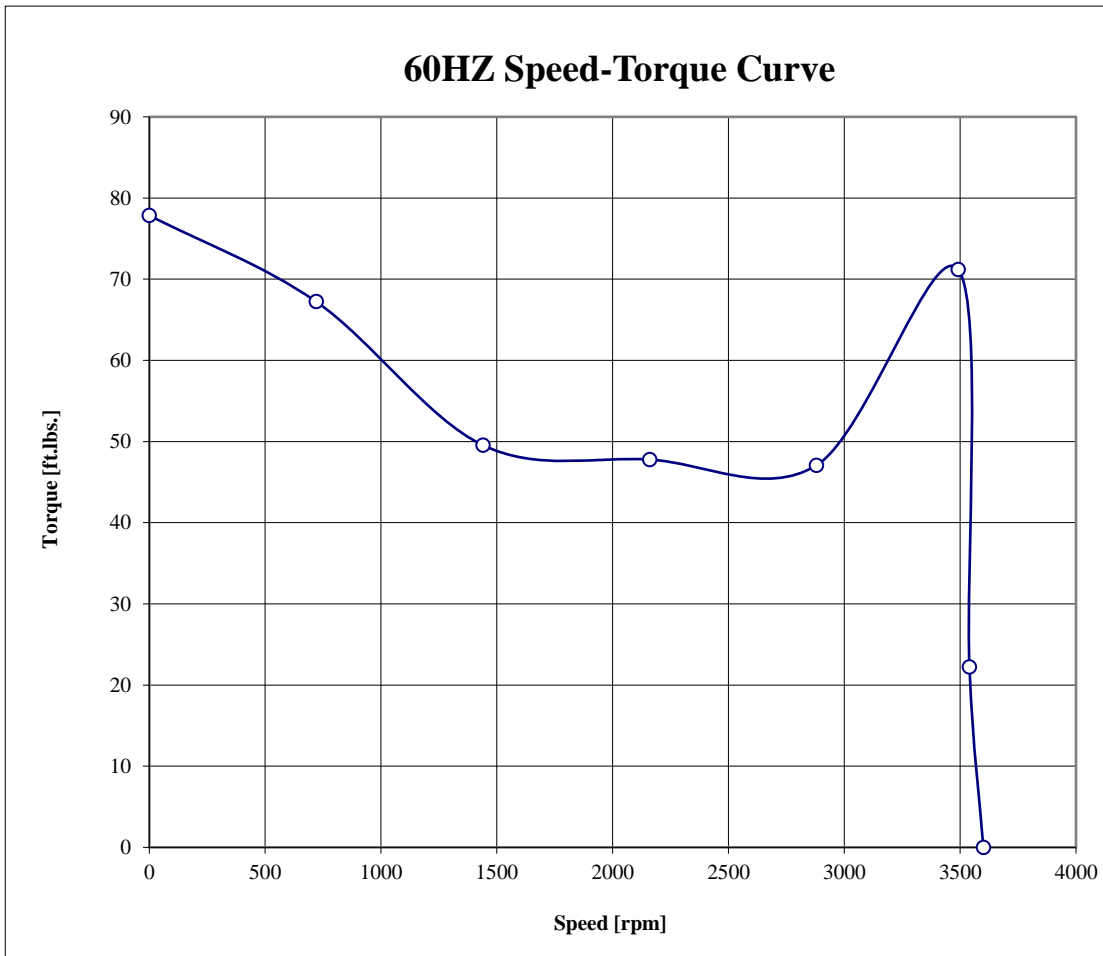
[Connection Diagram Not Available. Please Call 1-800-MOTORS-9](#)

Notes:

Motor: PA2N015-4SC

	Frame:	215TC	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	3.5	3.0	2.2	2.1	2.1	3.2	1	0
Motor torque / ft.lbs.	78	67	50	48	47	71	22	0

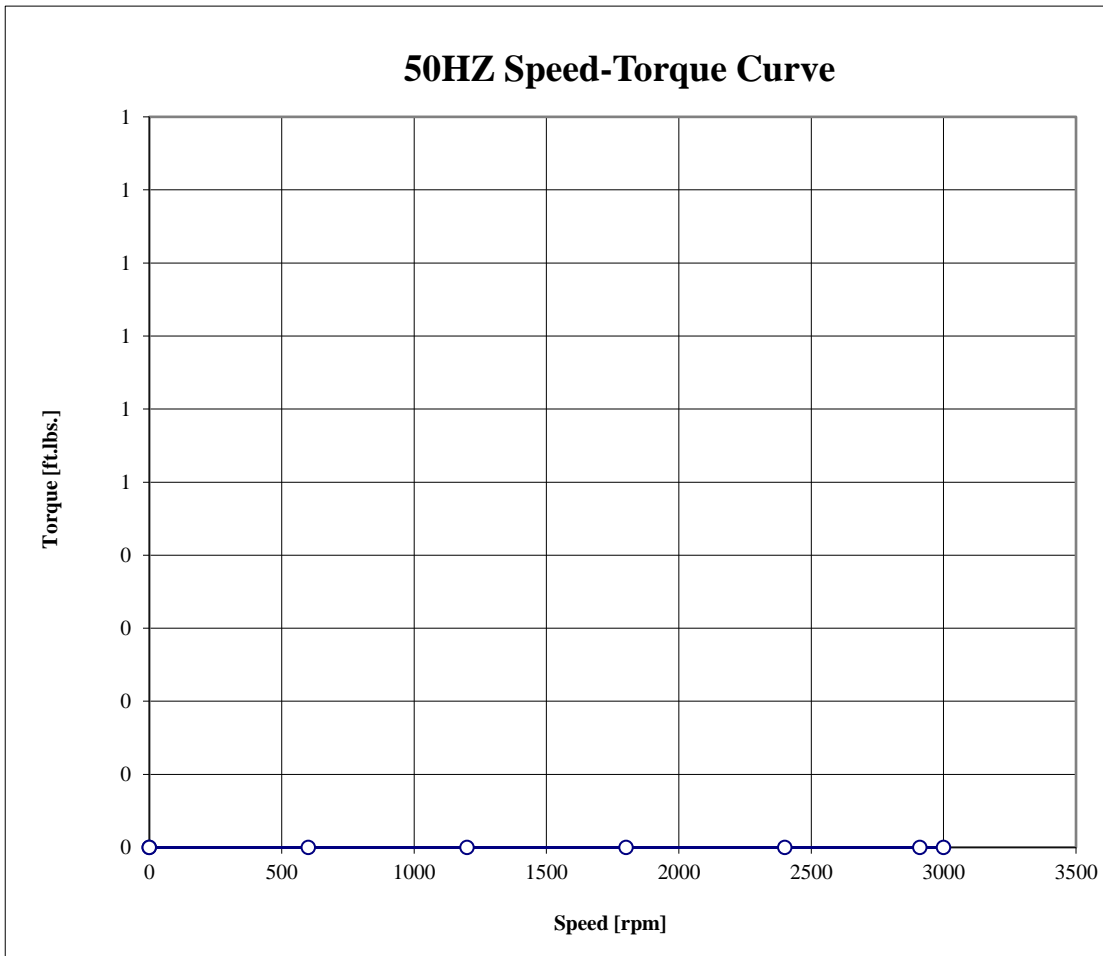


*Curve base on calculated values

50HZ Speed-Torque Curve not available for this motor

				Motor: PA2N015-4SC	
	Frame:	215TC	15 HP	400 V	
	Pole no.:	2	- ft.lbs.	50 Hz	0 rpm

Speed	0	600	1200	1800	2400	2910	0	3000
Speed ratios	0	0.2	0.4	0.6	0.8	0.97	0.000	1
Mot. torque ratios	3.5	3.0	2.2	2.1	2.1	3.2	1	0
Motor torque / ft.lbs.	-	-	-	-	-	-	-	-



*Curve base on calculated values