

CATALOG No: **PF2N003-2C**

ISSUED: 28-Apr-22

GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
3	2.20	2	3600	56C	208-230/460 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
86.5	87.1	85.8	0.88	0.83	0.72

LRT%	BDT %	Full Load Amps	Locked Rotor Amps	Full Load RPM
		460 V	460 V	
271	331	3.63	3.38	3490

NEMA KVA Code	Bearing Size		Oil Seal		Sound Level
	Drive End	Non-Drive End	Drive End	Non-Drive End	dB(A)
K	6205ZZ	6205ZZ	-	-	0

*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

[Drawing Not Available](#)

Click Link Below For Connection Diagram

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

Notes:



50HZ TECHNICAL DATA SHEET

CATALOG No: **PF2N003-2C**

ISSUED: 28-Apr-22

GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
3	2.20	2	3000	56C	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
86.5	87.1	85.8	0.88	0.83	0.72

LRT %	BDT %	Full Load Amps		Locked Rotor Amps		Full Load RPM
		400 V		400 V		
271	331	4.11		3.38		-

NEMA KVA Code	Bearing Size		Oil Seal		Sound Level
	Drive End	Non-Drive End	Drive End	Non-Drive End	dB(A)
K	6205ZZ	6205ZZ	-	-	0

*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

[Drawing Not Available](#)

Click Link Below For Connection Diagram

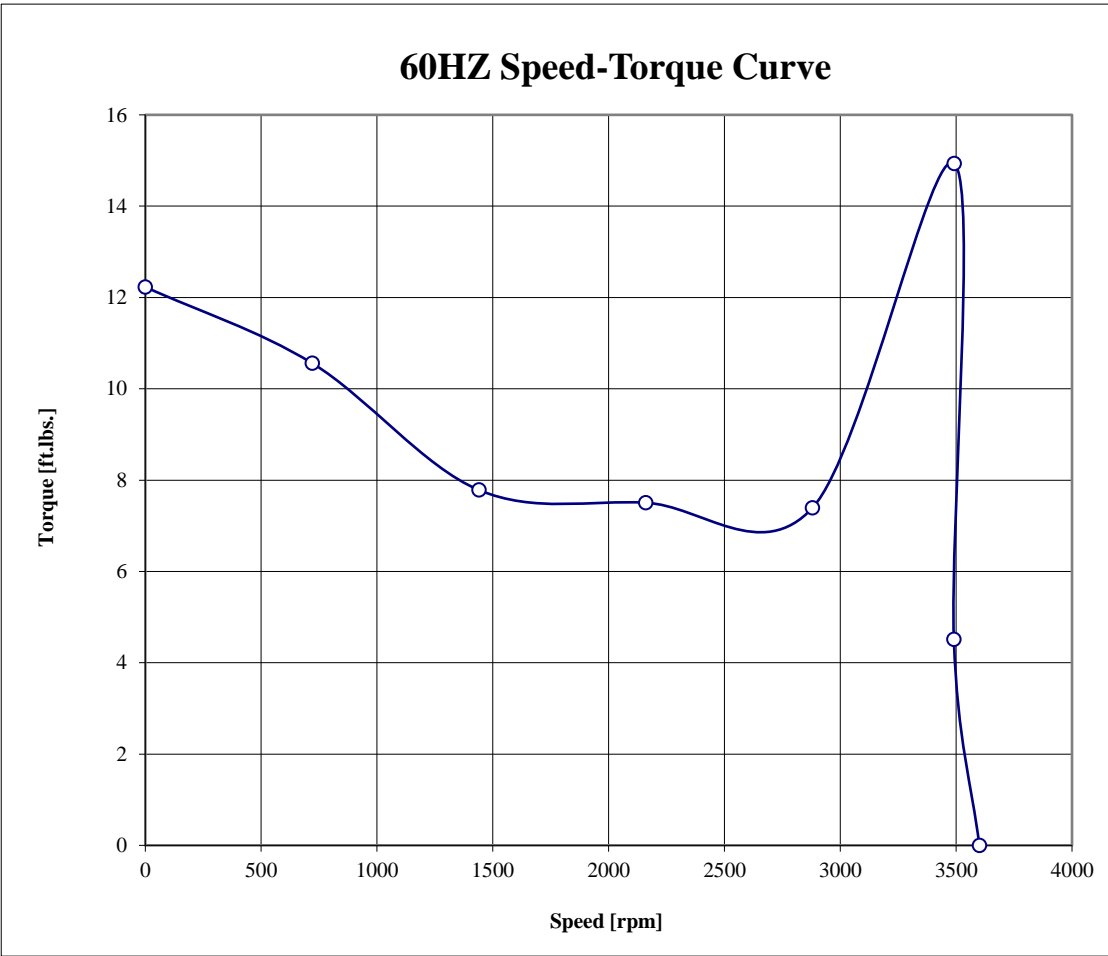
[Connection Diagram Not Available. Please Call 1-800-MOTORS-9](#)

Notes:

Motor: PF2N003-2C

	Frame:	56C	3 HP	460 V	
	Pole no.:	2	4.5 ft.lbs.	60 Hz	3490 rpm

Speed	0	720	1440	2160	2880	3492	3490	3600
Speed ratios	0	0.2	0.4	0.6	0.8	0.97	0.969	1
Mot. torque ratios	2.71	2.3	1.7	1.7	1.6	3.31	1	0
Motor torque / ft.lbs.	12	11	8	8	7	15	5	0

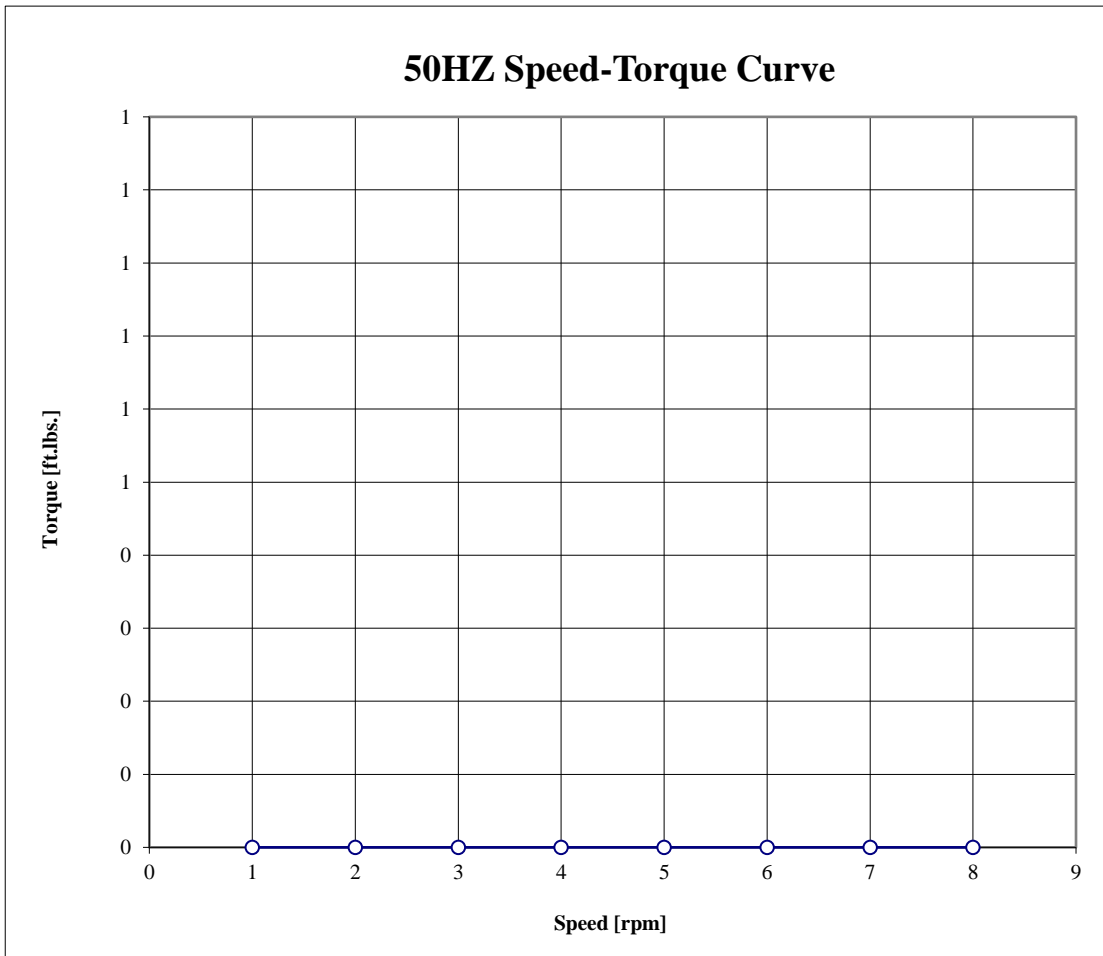


*Curve base on calculated values

50HZ Speed-Torque Curve not available for this motor

				Motor: PF2N003-2C	
	Frame:	56C	3 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	2.71	2.3	1.7	1.7	1.6	3.31	1	0
Motor torque / ft.lbs.	-	-	-	-	-	-	-	-



*Curve base on calculated values