



60HZ TECHNICAL DATA SHEET

CATALOG No: **PF4N1.5-2C**

ISSUED: 28-Apr-22

GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
1.5	1.10	4	1800	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	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
86.5	86.8	84.6	0.75	0.67	0.53

LRT%	BDT %	Full Load Amps	Locked Rotor Amps	Full Load RPM
		460 V	460 V	
351	411	2.13	17.42	1745

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

*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:



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GENERAL INFORMATION

HP	KW	Pole	RPM	Frame	Voltage	Hz	Phase	IP Rating
1.5	1.10	4	1500	56C	400 V	50	3	IP55

Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.00	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
86.5	86.8	84.6	0.75	0.67	0.53

LRT %	BDT %	Full Load Amps		Locked Rotor Amps		Full Load RPM
		400 V		400 V		
351	411	2.35		17.42		-

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

*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

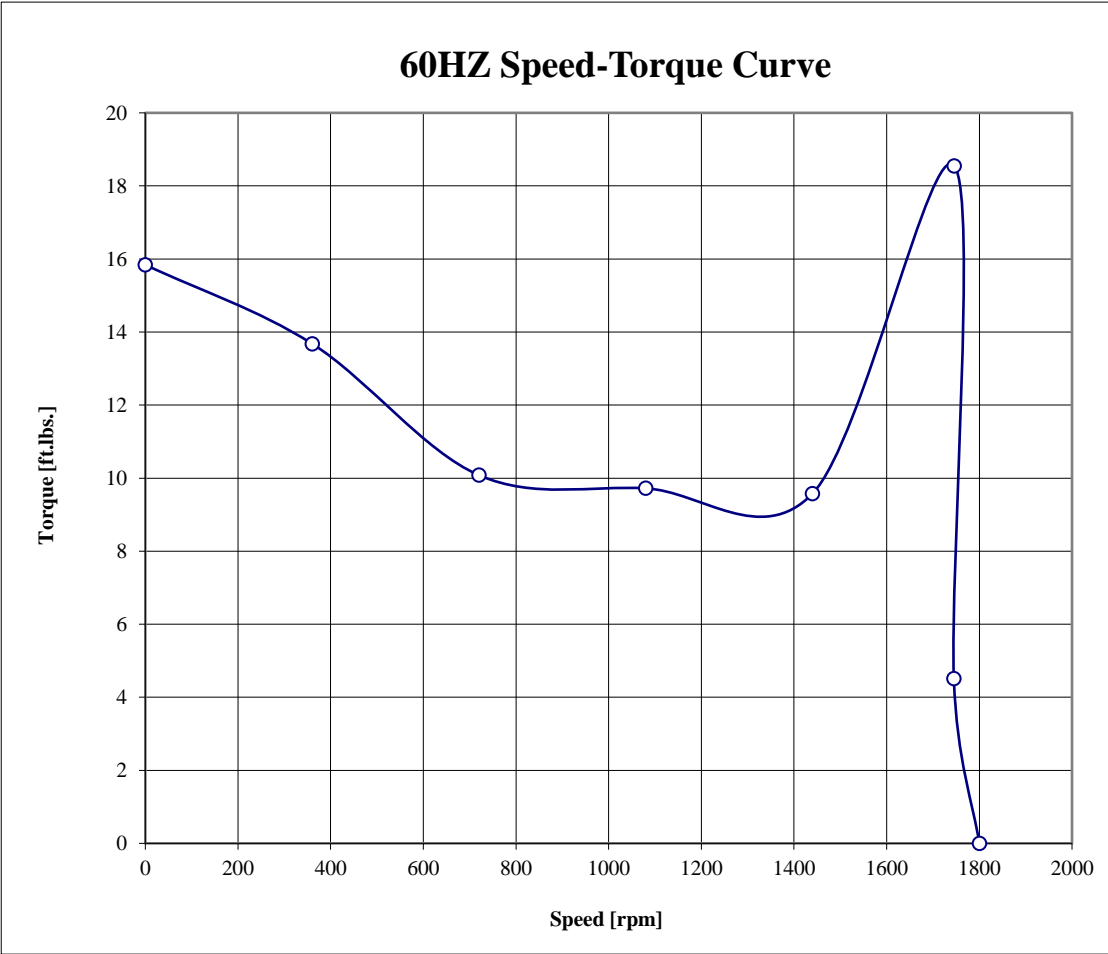
[Connection Diagram Not Available. Please Call 1-800-MOTORS-9](#)

Notes:

Motor: PF4N1.5-2C

	Frame:	56C	1.5 HP	460 V	
	Pole no.:	4	4.5 ft.lbs.	60 Hz	1745 rpm

Speed	0	360	720	1080	1440	1746	1745	1800
Speed ratios	0	0.2	0.4	0.6	0.8	0.97	0.969	1
Mot. torque ratios	3.51	3.0	2.2	2.2	2.1	4.11	1	0
Motor torque / ft.lbs.	16	14	10	10	10	19	5	0

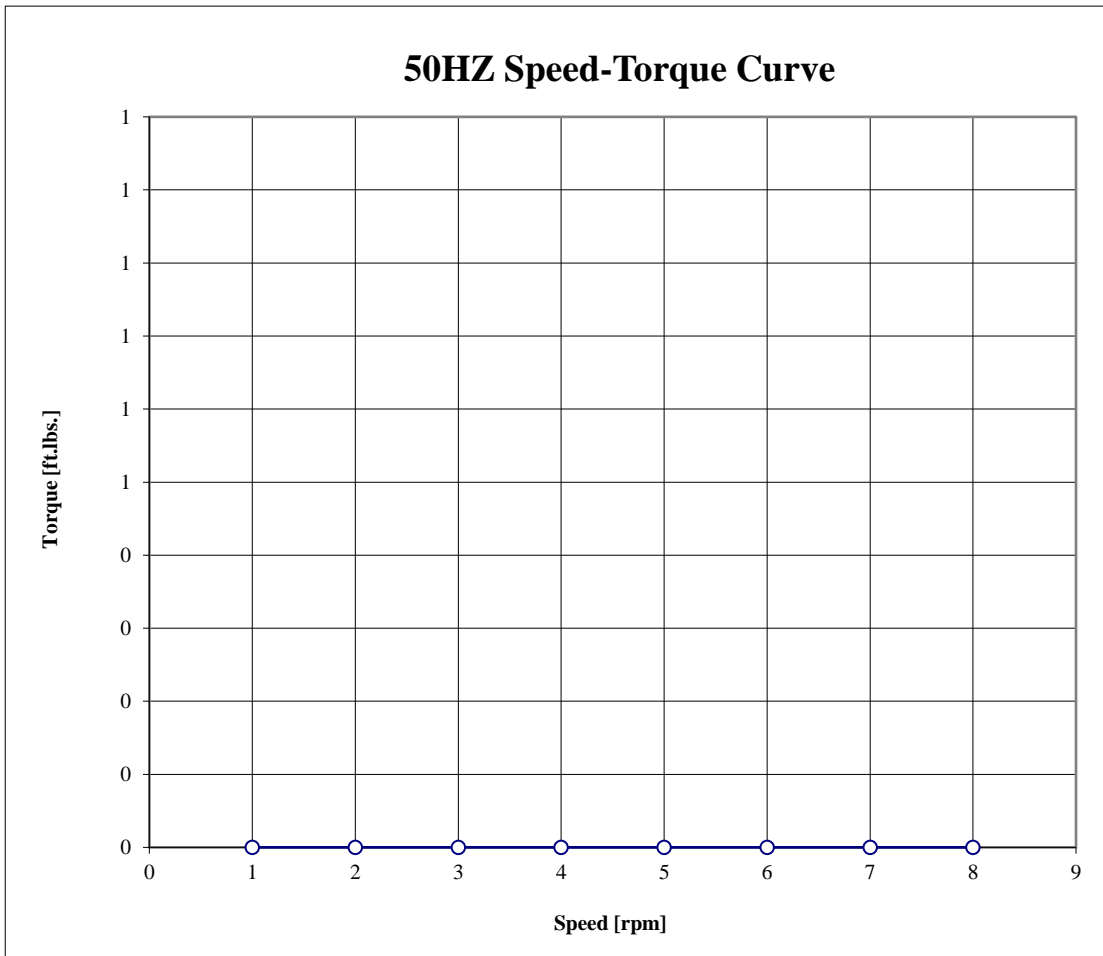


*Curve base on calculated values

50HZ Speed-Torque Curve not available for this motor

				Motor: PF4N1.5-2C	
	Frame:	56C	1.5 HP	400 V	
	Pole no.:	4	- ft.lbs.	50 Hz	- rpm

Speed	0	300	600	900	1200	1455	-	1500
Speed ratios	0	0.2	0.4	0.6	0.8	0.97	-	1
Mot. torque ratios	3.51	3.0	2.2	2.2	2.1	4.11	1	0
Motor torque / ft.lbs.	-	-	-	-	-	-	-	-



*Curve base on calculated values