



Definite Purpose

**NEMA**

<b>MOTOR MODEL:</b>	PC3-CI-TF-184T-4-B-D-5
<b>FACTORY TYPE:</b>	TFC

NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	5.0	-
Speed, RPM	1745	-
Voltage	230	-
# Phase	3	
Full Load Amps	12.6	-
Power Factor	0.82	-
Nominal Efficiency	89.5	-
3/4 Load Efficiency	-	-
Service Factor	1.25	-
KVA Code	K	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	104.786	-
Start Capacitor	-	-
Start Capacitor V	-	-
Run Capacitor	-	-
Run Capacitor V	-	-
Number of Leads	3	
Connection	YY/Y	
Coil Resistance	-	-
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	184T	
Frame Enclosure	TEFC	
Mounting	Rigid	
Insulation Class	F	
Duty	Cont. / S1	
NEMA Design	A	
Frame Material	Cast Iron	
Ingress Protection	55	
Tropicalization	true	
Cable Entry	1-NPT 3/4"	
Feet Removable	true	
Double Drilled	-	
Paint Color	Graphite Gray	
Paint RAL	7024	
Weight lb	110.25	
MECHANICAL DATA		
DE Bearing	6306ZZ	
NDE Bearing	6306ZZ	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavey washer)	NDE	
TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	43.6506	294.0
Pull-Up Torque	-	-
Breakdown Torque	20.0436	135.0
Full Load Torque	14.8471	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	



Definite Purpose

**NEMA**

<b>MOTOR MODEL:</b>	PC3-CI-TF-184T-4-B-D-5
<b>FACTORY TYPE:</b>	TFC

NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 5.0HP, 1745 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	43.6506	294.0	Start Configuration
Pull-Up Torque	-	-	Starting Current (A)
Breakdown Torque	20.0436	135.0	No-Load Current (A)
Full Load	14.8471	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	1.25	-	-	-	-	-
50	2.5	-	-	-	-	-
75	3.75	-	-	-	-	-
100	5.0	-	-	-	-	-
125	6.25	-	-	-	-	-