



Phase Converter Motor

NEMA

MOTOR MODEL:	PC3-CI-TF-182T-4-B-D-3
FACTORY TYPE:	TFC

NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	3.0	-
Speed, RPM	1755	-
Voltage	230	-
# Phase	3	-
Full Load Amps	7.95	-
Power Factor	0.8	-
Nominal Efficiency	89.5	-
3/4 Load Efficiency	-	-
Service Factor	1.25	-
KVA Code	L	-
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	34.7011	-
Start Capacitor	-	-
Start Capacitor V	-	-
Run Capacitor	-	-
Run Capacitor V	-	-
Number of Leads	3	-
Connection	YY/Y	-
Coil Resistance	-	-
Date Code	-	-
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	182T		
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	94.815		
MECHANICAL DATA			
DE Bearing	6306ZZ		
NDE Bearing	6306ZZ		
dB No-Load	-		
Rotor Wk ² , Lb-Ft ²	-		
Comp Ring (wavey washer)	NDE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	25.5168	288.0	
Pull-Up Torque	22.4158	253.0	
Breakdown Torque	34.0224	384.0	
Full Load Torque	8.86	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		

*This report valid for above Date Code and newer models, please contact Techttop for more info.



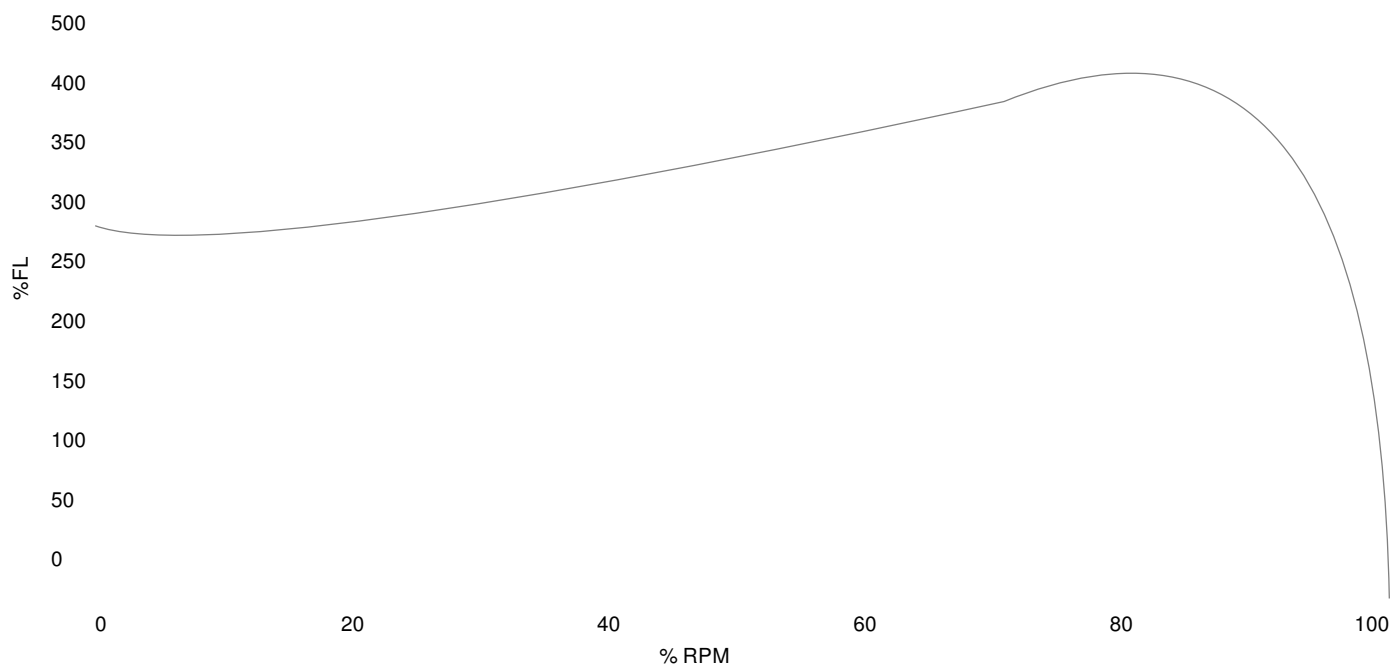
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	25.5168	288.0	Start Configuration
Pull-Up Torque	22.4158	253.0	Starting Current (A)
Breakdown Torque	34.0224	384.0	No-Load Current (A)
Full Load	8.86	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.95	-	-	-	-
25	0.75	-	-	-	-	-
50	1.5	-	-	-	-	-
75	2.25	-	-	-	-	-
100	3.0	-	-	-	-	-
125	3.75	-	-	-	-	-

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