



Phase Converter Motor

NEMA

MOTOR MODEL:	PC3-CI-TF-365T-4-BR-D-75
FACTORY TYPE:	TFC

NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	75.0	-
Speed, RPM	1775	-
Voltage	230/460	-
# Phase	3	
Full Load Amps	167.29/83.65	-
Power Factor	0.87	-
Nominal Efficiency	95.4	-
Service Factor	1.15	-
KVA Code	L	-
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	829.228	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	3	
Connection	DD/D	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	94.91	0.78
75%	95.51	0.85
100%	95.47	0.89
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	62.0	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	365T	
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 2"	
Feet Removable	-	
Double Drilled	true	
Paint Color	Graphite Gray	
Paint RAL	7024	
Weight lb	873.18	
MECHANICAL DATA		
DE Bearing	6313C3	
NDE Bearing	6313C3	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavey washer)	DE	
TORQUE VALUES		% FLT
Locked Rotor Torque	734.712	328.0
Pull-Up Torque	369.596	165.0
Breakdown Torque	665.273	297.0
Full Load Torque	223.998	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 Techtop for more info.



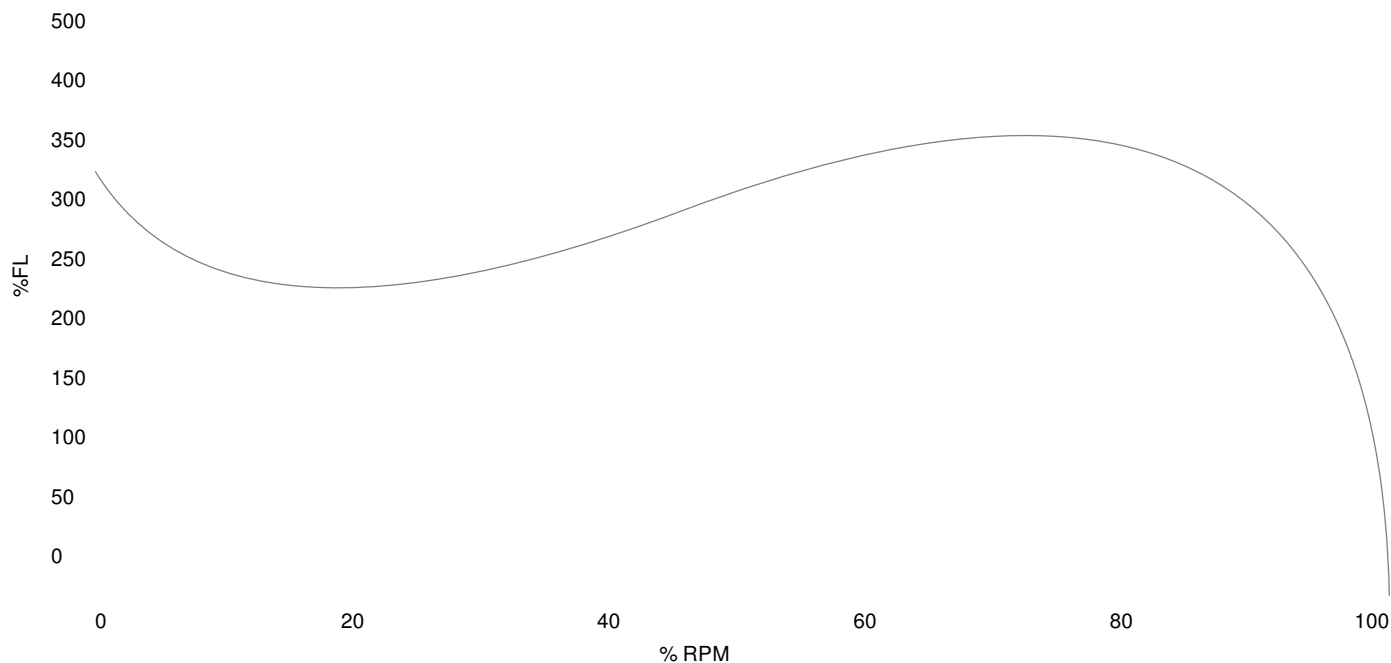
Phase Converter Motor

MOTOR MODEL:	PC3-CI-TF-365T-4-BR-D-75
FACTORY TYPE:	TFC

NEMA

NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	734.712	328.0	Start Configuration
Pull-Up Torque	369.596	165.0	Starting Current (A)
Breakdown Torque	665.273	297.0	No-Load Current (A)
Full Load	223.998	100.0	No-Load Power Factor

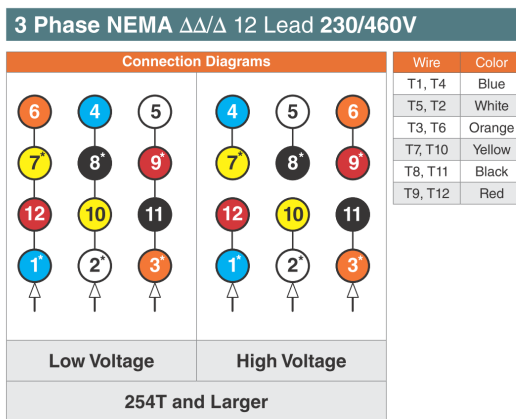
% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	27.82	-	-	-	-
25	18.75	32.3	15.16	1795.3	92.0	0.59
50	37.5	47.4	29.4	1790.9	94.91	0.78
75	56.25	64.34	43.82	1786.2	95.51	0.85
100	75.0	82.84	58.45	1781.2	95.47	0.89
125	93.75	102.61	73.31	1775.9	95.15	0.9

Techtop Industries
 2815 Colonnades Court
 Peachtree Corners, GA 30071
 Tel: 678-436-5540
 E-Mail: info@techttopind.com

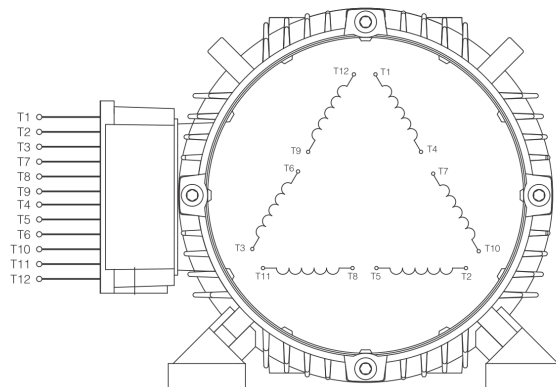
NEMA

MOTOR MODEL:	PC3-CI-TF-365T-4-BR-D-75
FACTORY TYPE:	TFC

NEMA Cast Iron, TEFC



When motor is in F1 position, leads shown with "*" exit the casing above the center line of the motor, the remaining leads exit below the center line. This information can be used to identify missing or mislabelled leads.



NEMA

MOTOR MODEL:	PC3-CI-TF-365T-4-BR-D-75
FACTORY TYPE:	TFC

NEMA Cast Iron, TEFC

