



Three Phase Cast Iron

NEMA

MOTOR MODEL:	GR3-CI-TF-365T-4-BR-D-75
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	75.0	75.0
Speed, RPM	1775	1465
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	167.29/83.65	207/103.5
Power Factor	0.87	-
Nominal Efficiency	95.4	92.5
Service Factor	1.15	1.0
KVA Code	L	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	829.228	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
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		
GR3-CI-TF-365T-4-BR-D-75		

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 Wk², Lb-Ft²	-	
Comp Ring (wavey washer)	DE	
TORQUE VALUES	Torque lb-ft	% 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.

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Peachtree Corners, GA 30071
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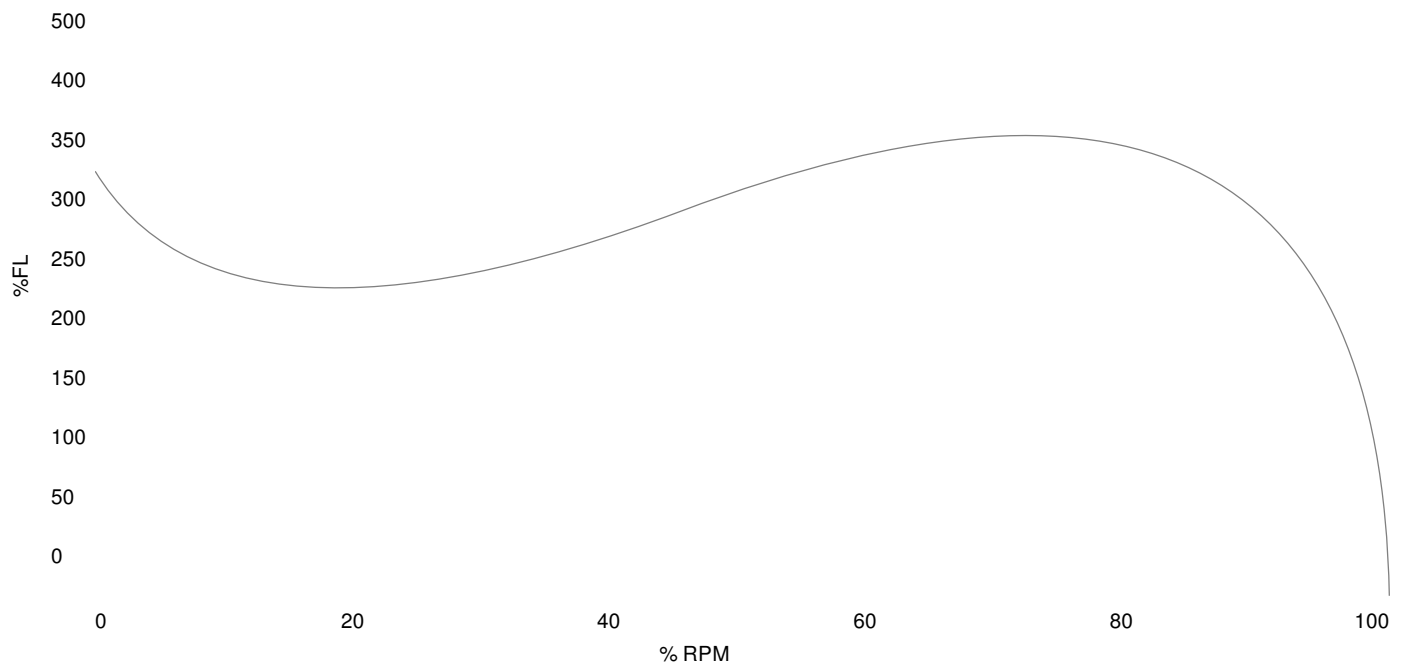
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	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	-

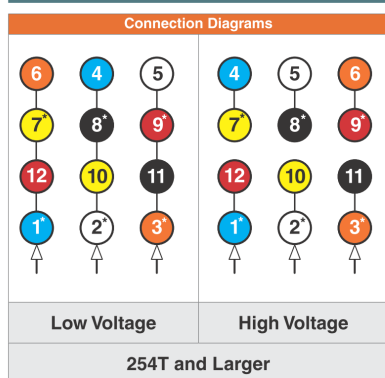
% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	27.82	-	-	-	-
25	18.75	32.3	15.16	1795.3	92.0	0.59
50	37.5	47.4	29.4	1790.9	94.91	0.78
75	56.25	64.34	43.82	1786.2	95.51	0.85
100	75.0	82.84	58.45	1781.2	95.47	0.89
125	93.75	102.61	73.31	1775.9	95.15	0.9

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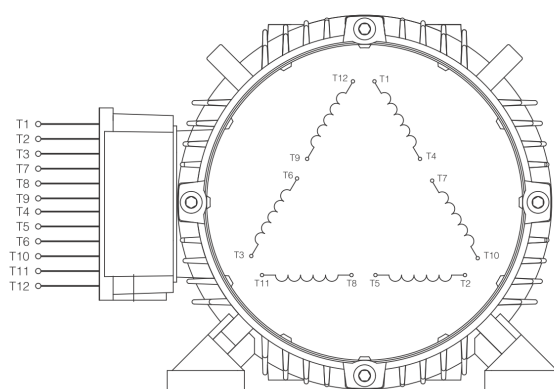
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3 Phase NEMA $\Delta\Delta/\Delta$ 12 Lead 230/460V



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.

Wire	Color
T1, T4	Blue
T5, T2	White
T3, T6	Orange
T7, T10	Yellow
T8, T11	Black
T9, T12	Red



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