



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-365TS-2-BR-F-75
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	75.0	75.0
Speed, RPM	3560	-
Voltage	575	-
# Phase	3	
Full Load Amps	66.68885495	-
Power Factor	0.9	-
Nominal Efficiency	93.6	-
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	K	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	941.877	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	6	
Connection	D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	92.53	0.83
75%	93.68	0.89
100%	93.68	0.89
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	62.0	-
3D Image Link		
GR3-CI-TF-365TS-2-BR-F-75		

GENERAL DATA				
Frame Size	365TS			
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	784.98			
MECHANICAL DATA				
DE Bearing	6313C3			
NDE Bearing	6313C3			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavey washer)	DE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	447.777	408.0		
Pull-Up Torque	210.719	192.0		
Breakdown Torque	409.365	373.0		
Full Load Torque	109.749	100.0		
SITE CONDITIONS				
Ambient Temp °C	40			
Altitude Above Sea Level m	1000			



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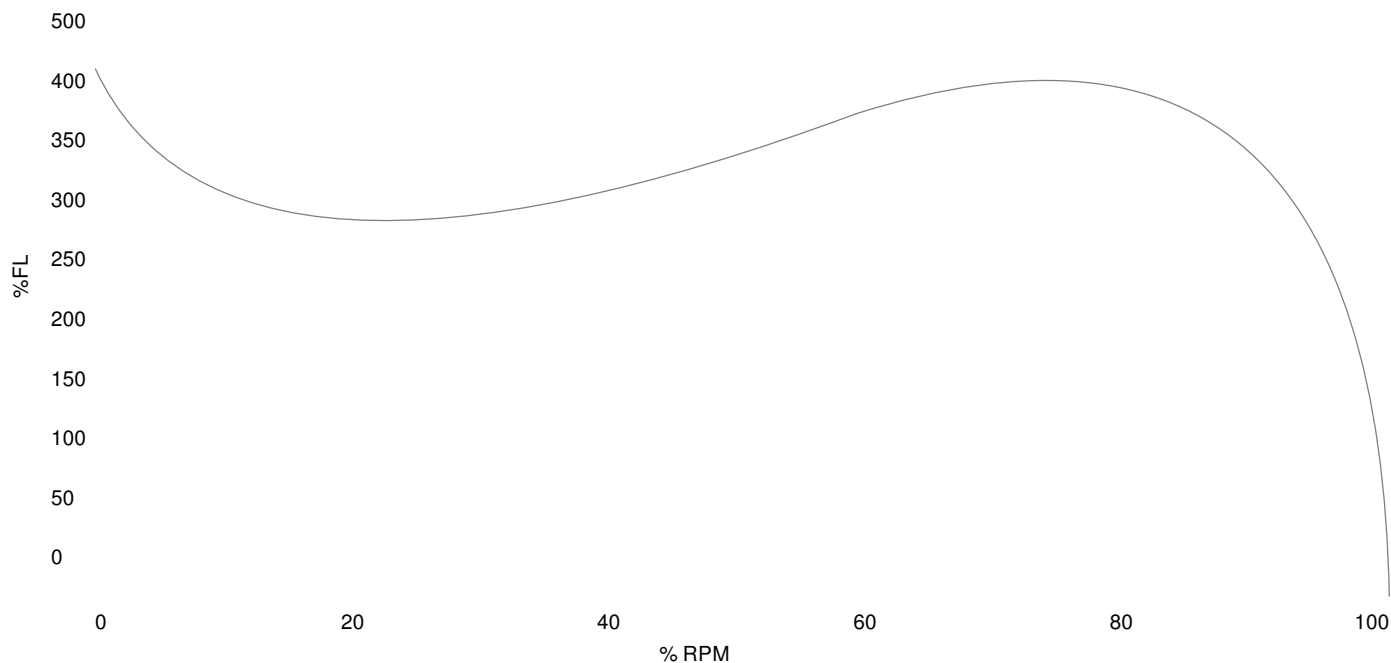
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Non Sinusoidal (VFD) Output 75.0HP, 3560 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	447.777	408.0	Start Configuration
Pull-Up Torque	210.719	192.0	Starting Current (A)
Breakdown Torque	409.365	373.0	No-Load Current (A)
Full Load	109.749	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	21.47	-	-	-	-
25	18.75	29.98	15.92	3593.2	87.92	0.67
50	37.5	45.56	30.26	3586.7	92.53	0.83
75	56.25	63.16	44.83	3579.8	93.68	0.89
100	75.0	63.16	44.83	3579.8	93.68	0.89
125	93.75	102.35	74.74	3565.1	93.66	0.92

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