



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-286TS-2-BR-D-30
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	30.0	30.0
Speed, RPM	3550	2930
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	70.42/35.21	83.8/41.9
Power Factor	0.9	-
Nominal Efficiency	91.7	89.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	F
FL Amps. @ 208 V	77.8659	-
LRC @ 60Hz HV	355.585	-
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%	90.04	0.77
75%	91.7	0.85
100%	92.09	0.88
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	64.0	-
3D Image Link		
GR3-CI-TF-286TS-2-BR-D-30		

GENERAL DATA				
Frame Size	286TS			
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 1-1/2"			
Feet Removable	true			
Double Drilled	true			
Paint Color	Graphite Gray			
Paint RAL	7024			
Weight lb	374.85			
MECHANICAL DATA				
DE Bearing	6311C3			
NDE Bearing	6311C3			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavy washer)	DE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque		144.75	323.0	
Pull-Up Torque		82.0101	183.0	
Breakdown Torque		166.709	372.0	
Full Load Torque		44.8143	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.



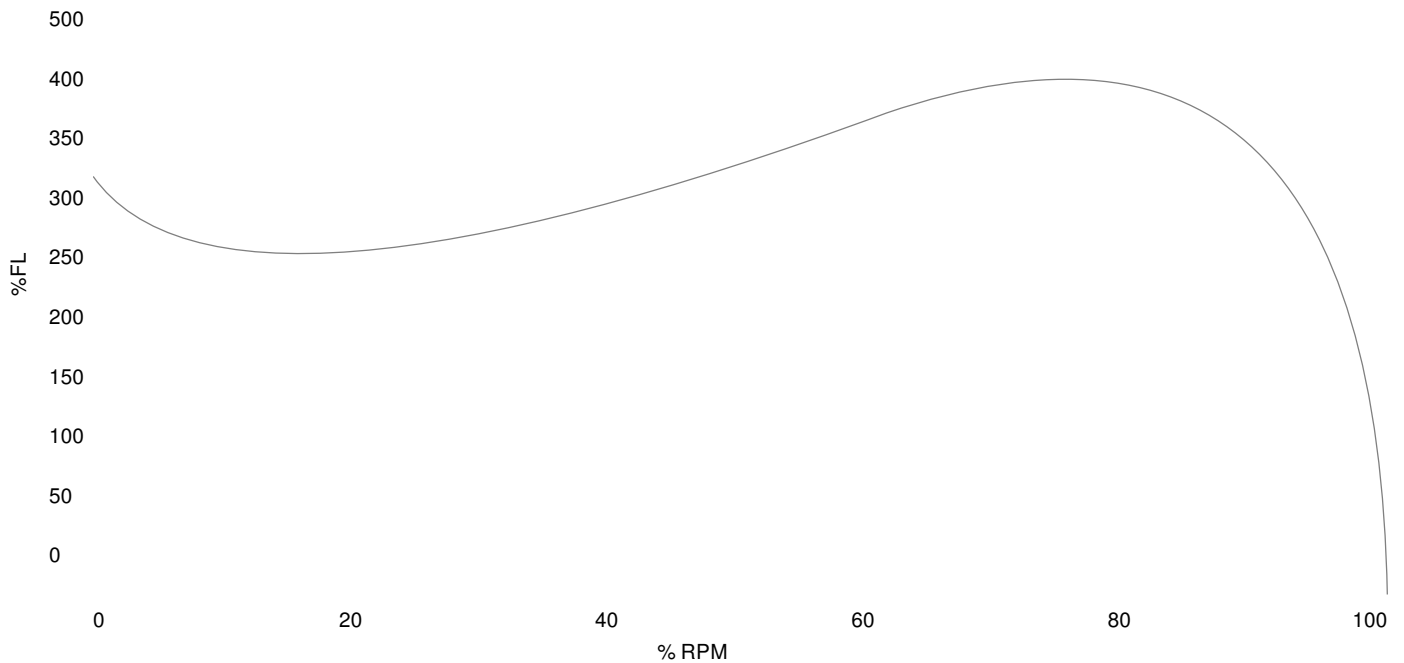
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	144.75	323.0	Start Configuration	-
Pull-Up Torque	82.0101	183.0	Starting Current (A)	-
Breakdown Torque	166.709	372.0	No-Load Current (A)	-
Full Load	44.8143	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	12.06	-	-	-	-
25	7.5	14.45	6.67	3589.1	84.0	0.58
50	15.0	20.37	12.44	3579.5	90.04	0.77
75	22.5	27.14	18.32	3569.0	91.7	0.85
100	30.0	34.59	24.32	3557.8	92.09	0.88
125	37.5	42.59	30.46	3545.9	91.92	0.9

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