



IE3

IEC

MOTOR MODEL:	GR3-CI-TF-280SB3-4-BR-D-100
FACTORY TYPE:	TCX

IE3 IEC Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	100.0	100.0
Speed, RPM	1780	1480
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	228.0/114.0	270.0/135.0
Power Factor	0.86	-
Nominal Efficiency	95.4	-
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	E
FL Amps. @ 208 V	-	-
Locked Rotor Current	-	-
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%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	70.0	97.0
3D Image Link		
GR3-CI-TF-280SB3-4-BR-D-100		

GENERAL DATA		
Frame Size	280S	
Frame Enclosure	TEFC	
Mounting	B3	
Insulation Class	F	
Duty	Cont. / S1	
NEMA Design	-	
Frame Material	Cast Iron	
Ingress Protection	55	
Tropicalization	true	
Cable Entry	2-M50X1.5	
Feet Removable	-	
Double Drilled	-	
Paint Color	Graphite Gray	
Paint RAL	7024	
Weight lb	1032.0	
MECHANICAL DATA		
DE Bearing	6316C3	
NDE Bearing	6316C3	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavey washer)	DE	
TORQUE VALUES		
	Torque lb-ft	% FLT
Locked Rotor Torque	-	-
Pull-Up Torque	-	-
Breakdown Torque	-	-
Full Load Torque	-	-
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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Non Sinusoidal (VFD) Output 100.0HP, 1780 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	-	-	Start Configuration
Pull-Up Torque	-	-	Starting Current (A)
Breakdown Torque	-	-	No-Load Current (A)
Full Load	-	-	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	-	-	-	-	-	-
50	-	-	-	-	-	-
75	-	-	-	-	-	-
100	-	-	-	-	-	-
125	-	-	-	-	-	-