



IE3

IEC

MOTOR MODEL:	GR3-CI-TF-250MB3-4-BR-D-75
FACTORY TYPE:	TCX

IE3 IEC 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	172.4/86.2	207.0/103.5
Power Factor	0.87	-
Nominal Efficiency	95.4	-
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	F
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	60.0	85.0
3D Image Link		
GR3-CI-TF-250MB3-4-BR-D-75		

GENERAL DATA			
Frame Size	250M		
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	904.0		
MECHANICAL DATA			
DE Bearing	6314C3		
NDE Bearing	6314C3		
dB No-Load	-		
Rotor Wk ² , Lb-Ft ²	-		
Comp Ring (wavy 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 75.0HP, 1775 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	-	-	-	-	-	-