



IE3

IEC

MOTOR MODEL:	GR3-CI-TF-250MB35-2-BR-D-75
FACTORY TYPE:	TCX

IE3 IEC Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	75.0	75.0
Speed, RPM	3560	2940
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	168.6/84.3	203.0/101.5
Power Factor	0.9	-
Nominal Efficiency	93.6	-
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	F
FL Amps. @ 208 V	-	-
Locked Rotor Current	941.877	-
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%	92.53	0.83
75%	93.68	0.89
100%	93.68	0.89
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	61.0	77.0
3D Image Link		
GR3-CI-TF-250MB35-2-BR-D-75		

GENERAL DATA		
Frame Size	250MB35	
Frame Enclosure	TEFC	
Mounting	B35	
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	858.0	
MECHANICAL DATA		
DE Bearing	6314C3	
NDE Bearing	6314C3	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavy washer)	-	
TORQUE VALUES		% 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	

*This report valid for above Date Code and newer models, please contact Techtop for more info.



IE3

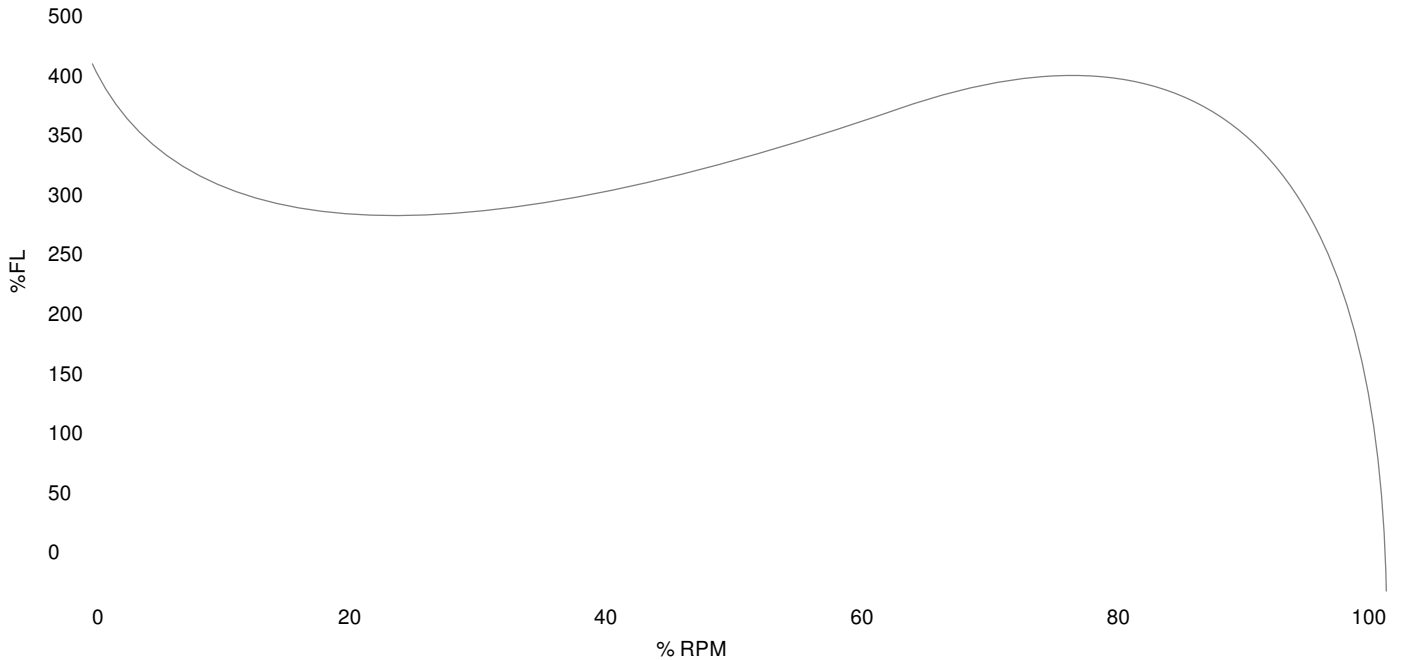
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FACTORY TYPE:	TCX

IE3 IEC Cast Iron, TEFC

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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