IE3

IEC

MOTOR MODEL:	GR3-CI-TF-160MB34-2-BR-D-20
FACTORY TYPE:	TCX

IE3 IEC Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	20.0	20.0
Speed, RPM	3530	2920
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	46.4/23.2	58.8/29.4
Power Factor	0.89	-
Nominal Efficiency	91.0	-
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	F
FL Amps. @ 208 V	51.31	-
LRC @ 60Hz HV	288.478	-
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%	88.28	0.7
75%	90.59	0.8
100%	91.36	0.86
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	57.0	80.0
3D Image Link		
GR3-CI-TF-160MB34-2-BR-D-20		

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

GENERAL DATA	
Frame Size	160MB34
Frame Enclosure	TEFC
Mounting	B34
Insulation Class	F
Duty	Cont. / S1
NEMA Design	A
Frame Material	Cast Iron
Ingress Protection	55
Tropicalization	true
Cable Entry	2-M32X1.5
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	295.0
MECHANICAL DATA	
DE Bearing	6309C3
NDE Bearing	6309C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	105.645	358.0
Pull-Up Torque	61.6756	209.0
Breakdown Torque	130.138	441.0
Full Load Torque	29.5099	100.0

SITE CONDITIONS	
Ambient Temp °C	40
Altitude Above Sea Level m	1000

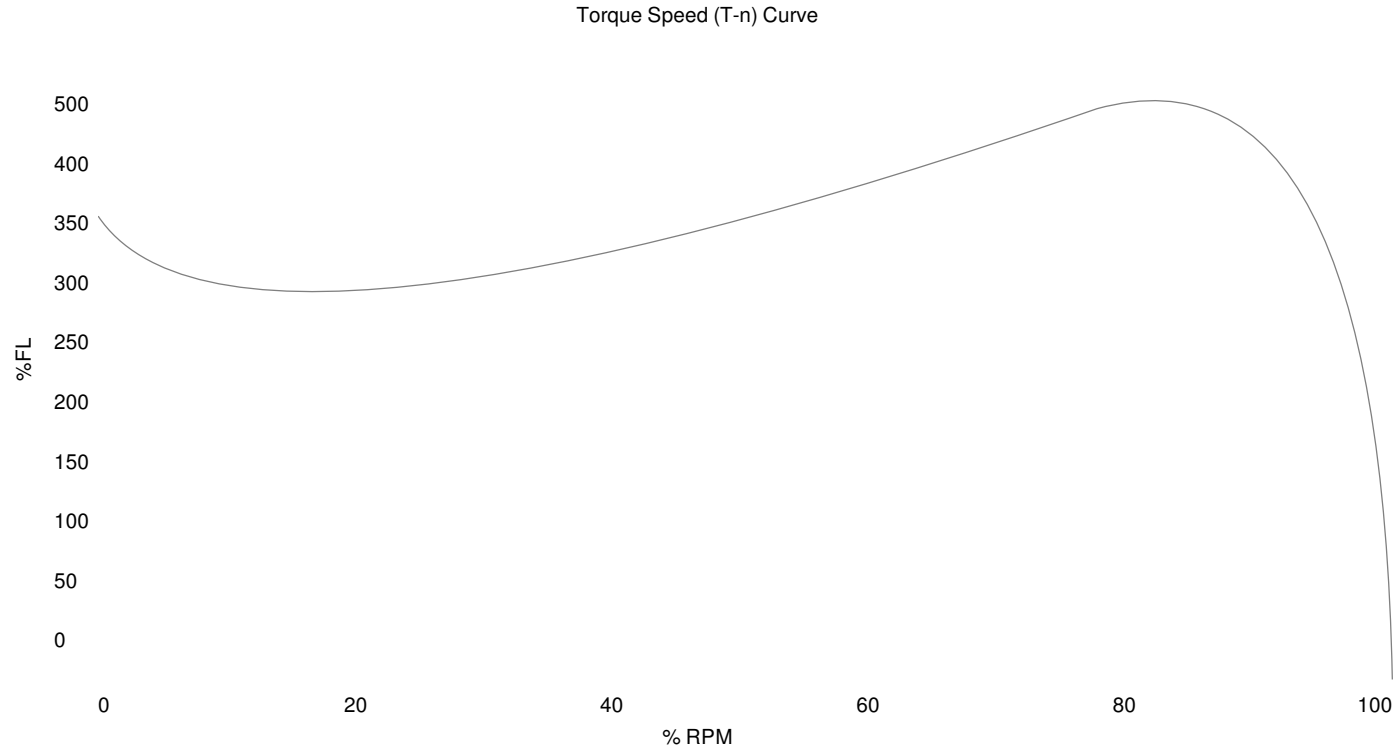
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MOTOR MODEL:	GR3-CI-TF-160MB34-2-BR-D-20
FACTORY TYPE:	TCX

IE3 IEC Cast Iron, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	105.645	358.0	Start Configuration	-
Pull-Up Torque	61.6756	209.0	Starting Current (A)	-
Breakdown Torque	130.138	441.0	No-Load Current (A)	-
Full Load	29.5099	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	10.57	-	-	-	-
25	5.0	11.94	4.64	3592.4	80.73	0.49
50	10.0	15.25	8.5	3585.0	88.28	0.7
75	15.0	19.36	12.42	3577.3	90.59	0.8
100	20.0	24.09	16.42	3569.1	91.36	0.86
125	25.0	29.22	20.5	3560.6	91.45	0.88

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