IE3

IEC

MOTOR MODEL:	GR3-CI-TF-225SB35-4-BR-D-50
FACTORY TYPE:	TCX

IE3 IEC Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	50.0	50.0
Speed, RPM	1770	1460
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	118.4/59.2	136.0/68.0
Power Factor	0.87	-
Nominal Efficiency	94.5	-
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	J	E
FL Amps. @ 208 V	130.9	-
LRC @ 60Hz HV	613.812	-
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%	93.78	0.71
75%	94.29	0.81
100%	94.03	0.85

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	68.0	90.0

3D Image Link
GR3-CI-TF-225SB35-4-BR-D-50

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

GENERAL DATA	
Frame Size	225SB35
Frame Enclosure	TEFC
Mounting	B35
Insulation Class	F
Duty	Cont. / S1
NEMA Design	A
Frame Material	Cast Iron
Ingress Protection	55
Tropicalization	true
Cable Entry	2-M50X1.5
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	606.0

MECHANICAL DATA	
DE Bearing	6313C3
NDE Bearing	6313C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	**Torque lb-ft**	**% FLT**
Locked Rotor Torque	506.56	299.0
Pull-Up Torque	333.754	197.0
Breakdown Torque	520.113	307.0
Full Load Torque	169.418	100.0

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

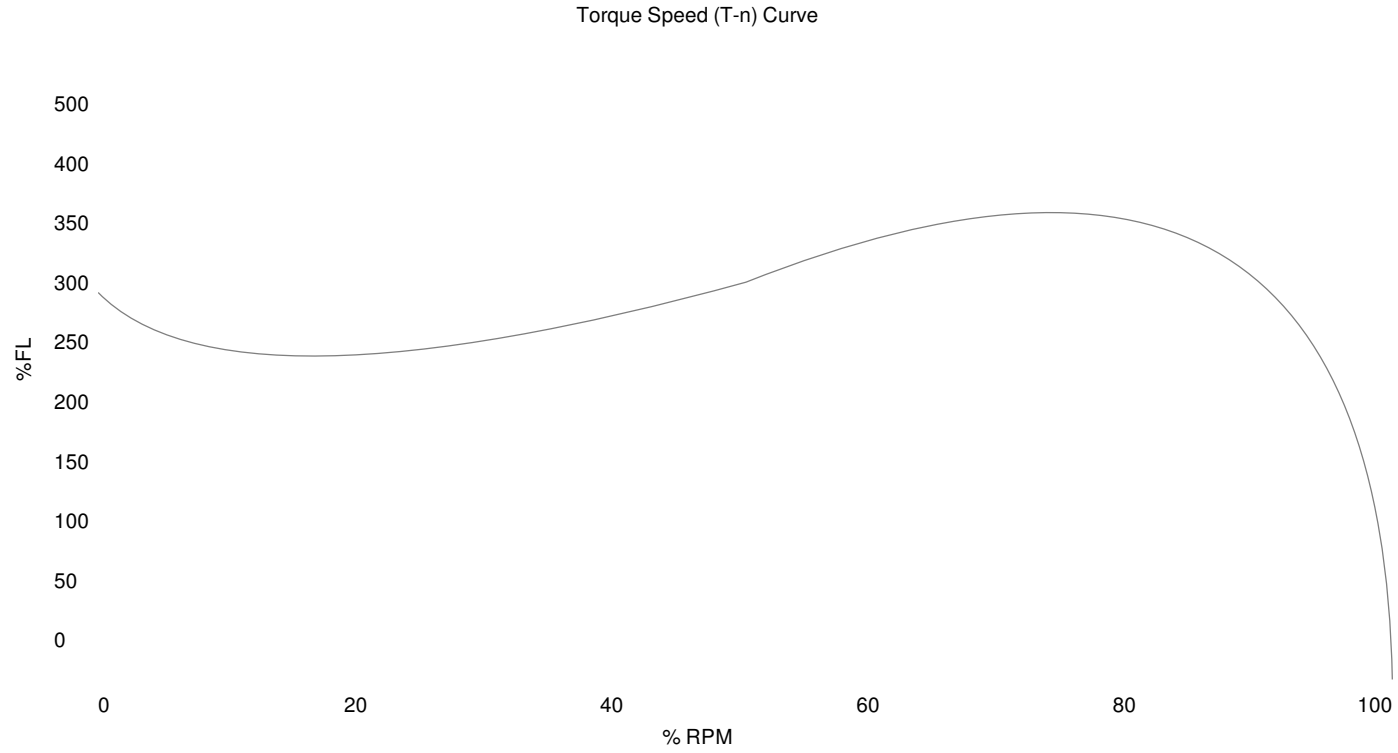
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IE3

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MOTOR MODEL:	GR3-CI-TF-225SB35-4-BR-D-50
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	506.56	299.0	Start Configuration	-
Pull-Up Torque	333.754	197.0	Starting Current (A)	-
Breakdown Torque	520.113	307.0	No-Load Current (A)	-
Full Load	169.418	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	26.53	-	-	-	-
25	12.5	30.25	11.84	1795.2	90.58	0.49
50	25.0	40.19	22.87	1790.5	93.78	0.71
75	37.5	52.63	34.12	1785.5	94.29	0.81
100	50.0	67.01	45.63	1780.2	94.03	0.85
125	62.5	82.79	57.41	1774.4	93.41	0.87

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