NEMA Premium

MOTOR MODEL:	BR3-CI-TF-286TC-6-BR-E-20
FACTORY TYPE:	TXC

NEMA

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	20.0	20.0
Speed, RPM	1175	965
Voltage	460	380
# Phase	3	
Full Load Amps	25.8	-
Power Factor	0.8	-
Nominal Efficiency	91.7	89.1
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	236.819	-
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%	91.19	0.64
75%	92.24	0.76
100%	92.16	0.81

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	60.0	-

3D Image Link
BR3-CI-TF-286TC-6-BR-E-20

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

GENERAL DATA	
Frame Size	286TC
Frame Enclosure	TEFC
Mounting	Rigid/C-Flange
Insulation Class	F
Duty	Cont. / S1
NEMA Design	A
Frame Material	Cast Iron
Ingress Protection	56
Tropicalization	true
Cable Entry	1-NPT 1-1/2"
Feet Removable	true
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	403.515

MECHANICAL DATA	
DE Bearing	6311C3
NDE Bearing	6311C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	224.057	249.0
Pull-Up Torque	120.577	134.0
Breakdown Torque	296.043	329.0
Full Load Torque	89.9826	100.0

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

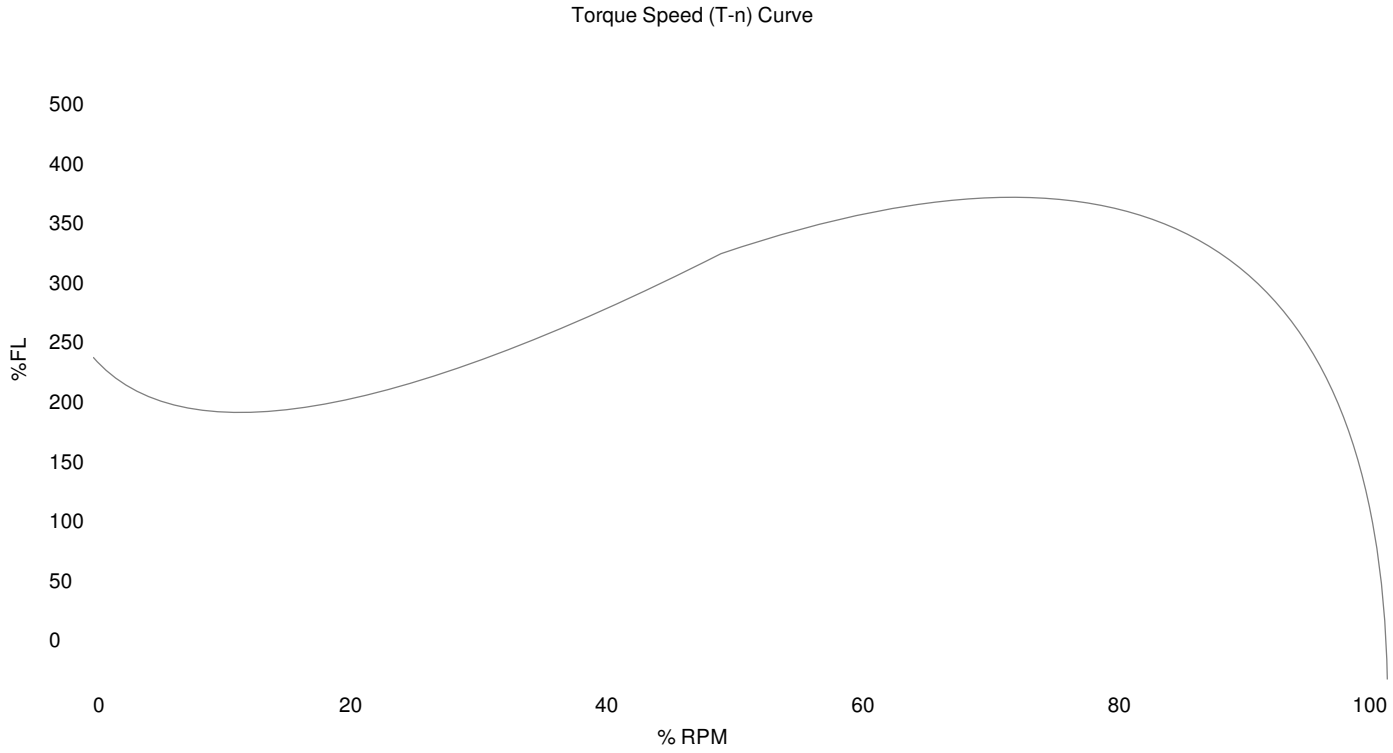
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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	224.057	249.0	Start Configuration	-
Pull-Up Torque	120.577	134.0	Starting Current (A)	-
Breakdown Torque	296.043	329.0	No-Load Current (A)	-
Full Load	89.9826	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	11.93	-	-	-	-
25	5.0	13.18	4.35	1195.8	86.25	0.41
50	10.0	16.17	8.23	1191.8	91.19	0.64
75	15.0	20.24	12.2	1187.5	92.24	0.76
100	20.0	25.14	16.28	1182.8	92.16	0.81
125	25.0	30.62	20.48	1177.8	91.56	0.84

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