NEMA Premium

NEMA

MOTOR MODEL:	WX3-AL-TF-213TC-2-B-D-7.5
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	7.5	7.5
Speed, RPM	3520	2910
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	17.0/8.48	19.9/9.95
Power Factor	0.91	-
Nominal Efficiency	89.5	88.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	H
FL Amps. @ 208 V	18.7	-
LRC @ 60Hz HV	188.462	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Date Code	-	

Load	Efficiency %	P.F.
50%	88.01	0.79
75%	90.04	0.86
100%	90.54	0.89

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	34.9	43.3

3D Image Link
Not available for this motor

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

GENERAL DATA	
Frame Size	213TC
Frame Enclosure	TEFC
Mounting	Rigid/C-Flange
Insulation Class	F
Duty	Cont. / S1
NEMA Design	A
Frame Material	Cast Aluminum
Ingress Protection	56
Tropicalization	true
Cable Entry	1-NPT 1”
Feet Removable	true
Double Drilled	-
Paint Color	-
Paint RAL	-
Weight lb	95.0

MECHANICAL DATA	
DE Bearing	6308ZZ
NDE Bearing	6208ZZ
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	38.6162	354.0
Pull-Up Torque	11.5631	106.0
Breakdown Torque	45.925	421.0
Full Load Torque	10.9085	100.0

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

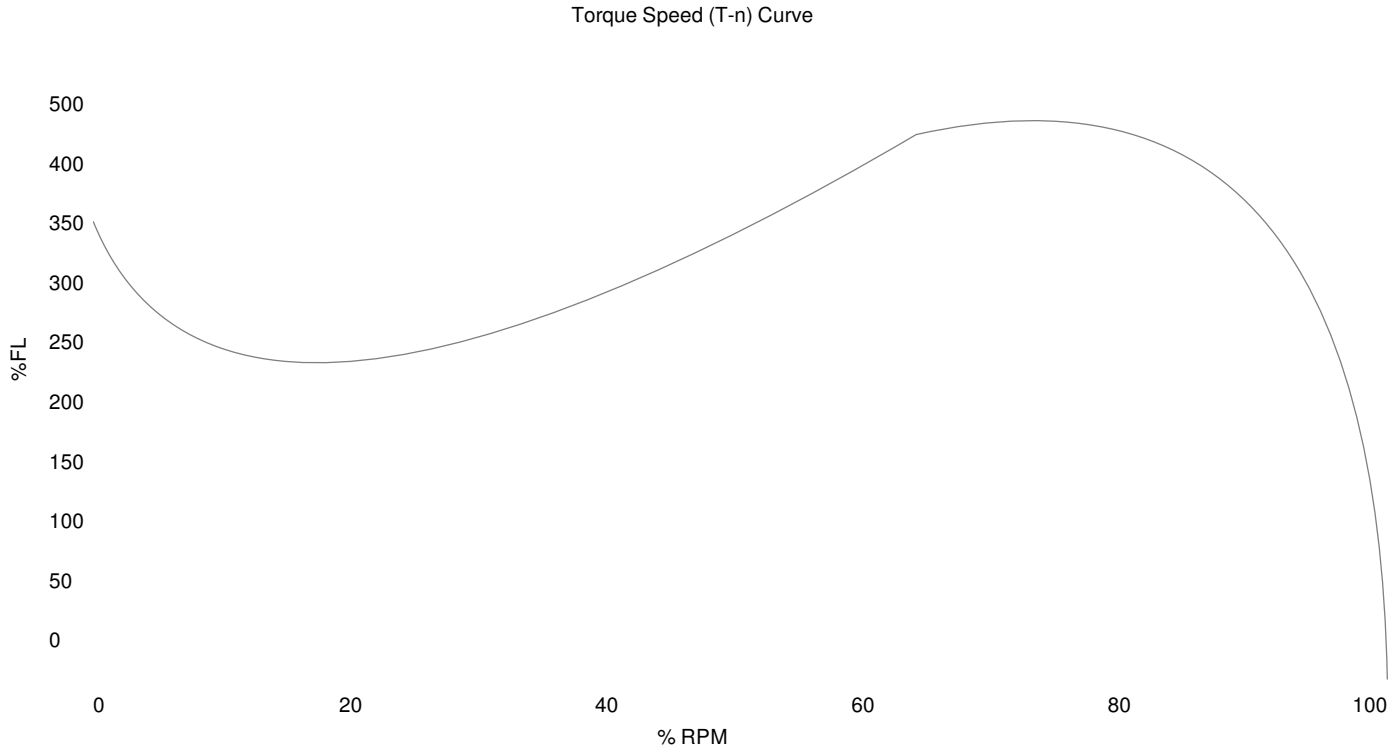
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FACTORY TYPE:	TXA

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Premium NEMA Cast Aluminum, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	38.6162	354.0	Start Configuration	-
Pull-Up Torque	11.5631	106.0	Starting Current (A)	-
Breakdown Torque	45.925	421.0	No-Load Current (A)	-
Full Load	10.9085	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	5.78	-	-	-	-
25	1.875	7.16	1700.8	3584.8	80.84	0.6
50	3.75	9.98	3124.7	3571.1	88.01	0.79
75	5.625	13.32	4581.2	3556.7	90.04	0.86
100	7.5	17.04	6074.7	3541.5	90.54	0.89
125	9.375	21.03	7608.1	3525.5	90.36	0.91

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