



Washdown

**NEMA**

<b>MOTOR MODEL:</b>	WX3-AL-TF-143TC-2-B-D-1.5
<b>FACTORY TYPE:</b>	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.5	1.5
Speed, RPM	3500	2890
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	4.12/2.06	4.74/2.37
Power Factor	0.8	-
Nominal Efficiency	84.0	83.5
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	4.2	-
LRC @ 60Hz HV	18.2307	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Date Code	-	
<b>Load</b>	<b>Efficiency %</b>	<b>P.F.</b>
50%	83.17	0.58
75%	85.78	0.72
100%	86.23	0.8
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	35.4	35.0
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	143TC	
Frame Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Insulation Class	F	
Duty	Cont. / S1	
NEMA Design	B	
Frame Material	Cast Aluminum	
Ingress Protection	56	
Tropicalization	true	
Cable Entry	1-NPT 3/4"	
Feet Removable	true	
Double Drilled	-	
Paint Color	-	
Paint RAL	-	
Weight lb	25.0	
MECHANICAL DATA		
DE Bearing	6205ZZ	
NDE Bearing	6205ZZ	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavey washer)	-	
TORQUE VALUES		% FLT
Locked Rotor Torque	7.18504	328.0
Pull-Up Torque	4.99448	228.0
Breakdown Torque	8.34603	381.0
Full Load Torque	2.19056	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.



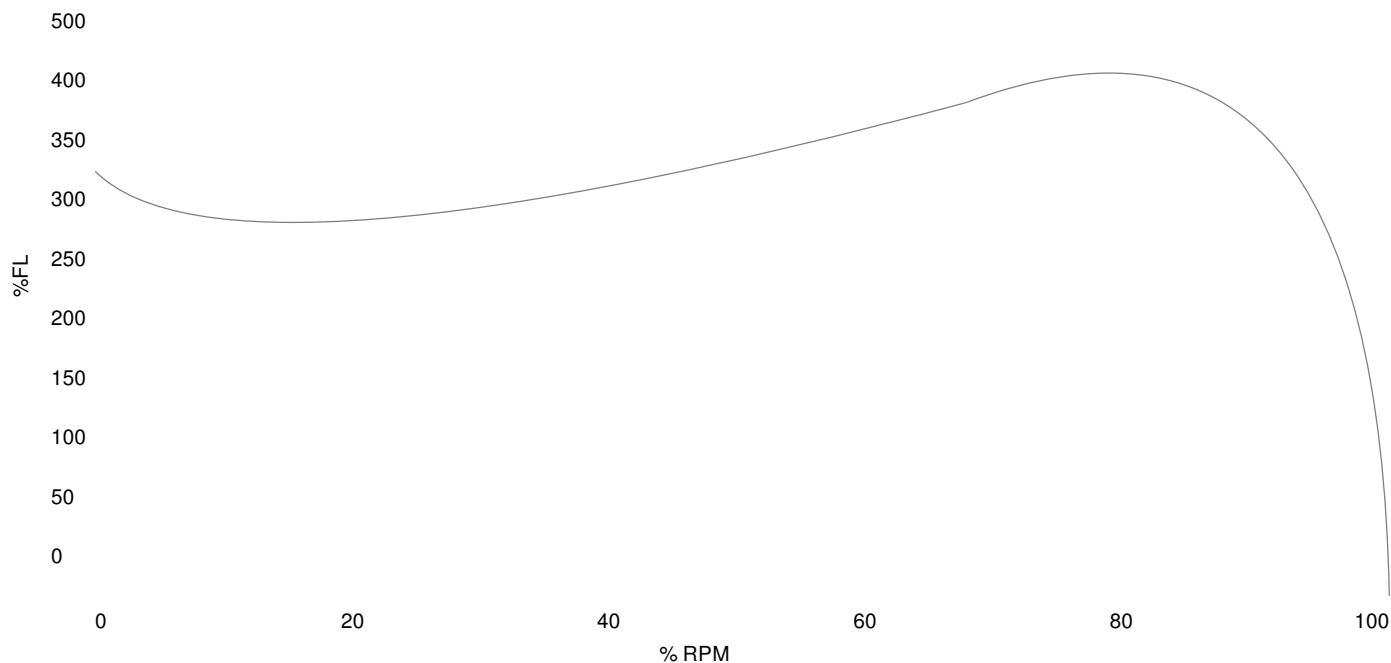
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	7.18504	328.0	Start Configuration
Pull-Up Torque	4.99448	228.0	Starting Current (A)
Breakdown Torque	8.34603	381.0	No-Load Current (A)
Full Load	2.19056	100.0	No-Load Power Factor

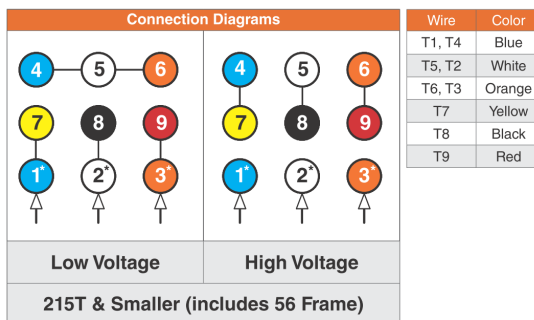
% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.22	-	-	-	-
25	0.375	1.27	0.37211	3576.3	73.9	0.37
50	0.75	1.43	0.66132	3556.2	83.17	0.58
75	1.125	1.69	0.96182	3533.7	85.78	0.72
100	1.5	2.01	1.2757	3508.7	86.23	0.8
125	1.875	2.39	1.6052	3481.3	85.66	0.84

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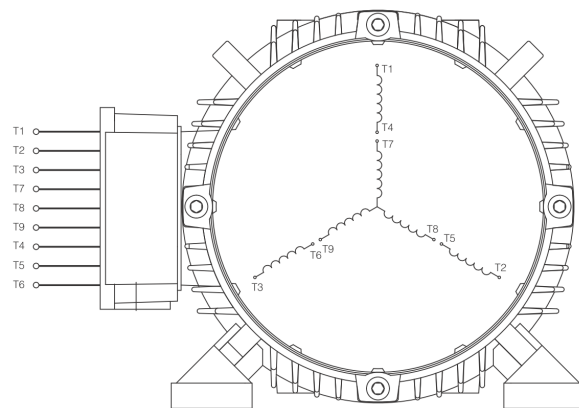
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### 3 Phase NEMA YY/Y 9 Lead 230/460V



When motor is in F1 position, leads shown with "\*" exit the casing above the center line of the motor, the remaining leads exit below the center line. This information can be used to identify missing or mislabelled leads.



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