TECHTOP electric motors	**Model Number**	**RD1-RS-TF-145TC-4-B-C-2-115|230-60**
	MFG PN	**SLF145T2Z4L**
	List Price	**--**

All data shown at HIGH voltage setting — Format: STD 1 Phase

Electrical Data	
Rated Motor Output Power	2 HP
Rated Motor Speed	1740 r/min
Rated Motor Voltage (1 Phase)	115|230-60 Volts - HZ
Rated Motor Current	17.3/8.65 Amps
Service Factor	1.15
KVA Code	H
Nominal Efficiency	92 %
Nominal Power Factor	0.92 cosθ
Full Load Torque Ft-Lb	8.19 Ft-Lb
Temp Rise @ Full Load °C	57.7
Efficiency Level	IE3 - NEMA Premium

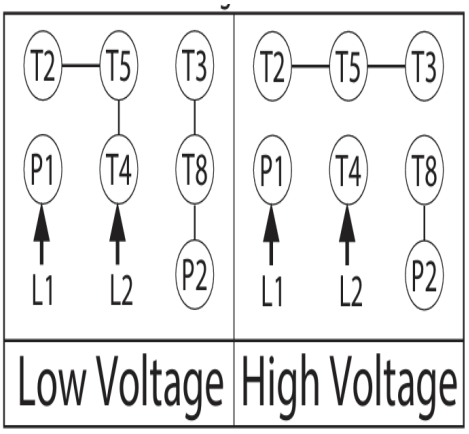
Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	233	57
Breakdown	-	282	-
Pull Up	-	180	-
125% of FL	1729.2	-	10.63
75% of FL	1763	-	6.53
50% of FL	1776	-	4.87
No Load	--	-	2.87
Hazardous Location	**CLI/II Div2 Grp C,D/F,G**		

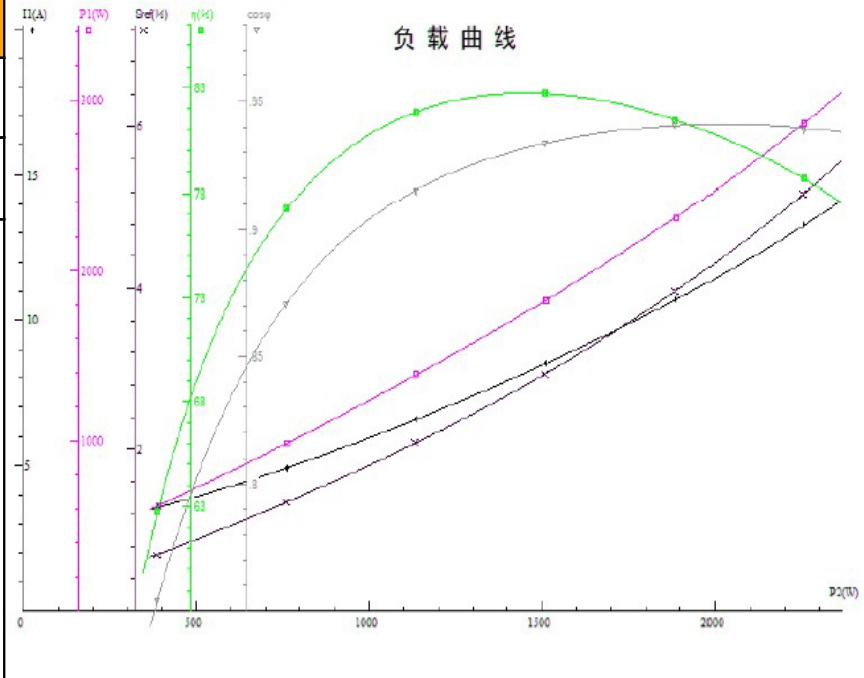
General Data	
Frame Size	145
Enclosure	TEFC
Approximate Weight	53.9
NEMA Design	L
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	--
Feet Removable	YES
Double Drilled	NO
Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Start Capacitor (µF / V / Qty)	--
Run Capacitor (µF / V / Qty)	--
Centrifugal Switch Type	--
Mechanical Data	
Bearing DE Side	6205 2RZ
Bearing NDE Side	6203 2RZ
Moment of Inertia	-- kg.m2
Noise Level	Per NEMA dB (A)

CT VFD Range	--
Loaded Torque Curves	**--**

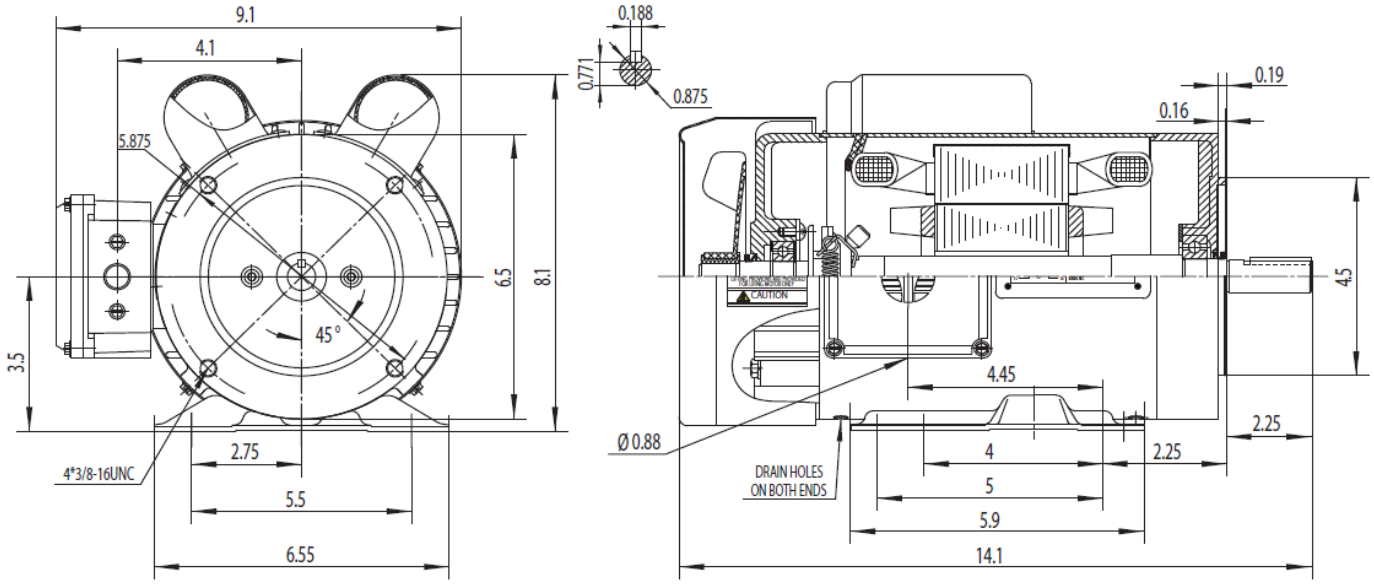
P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosϕ = Power Factor

Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**RD1-56-145-Frame-wiringDiagram**		





Model Number	RD1-RS-TF-145TC-4-B-C-2-115|230-60
MFG PN	SLF145T2Z4L
List Price	--
Base Frame	RD-145TC-RS-TF



TECHTOP®		NEMA TEFC 145TC	
Drawing Number:	RD1-RS-TF-140TC	Issued Date:	6/22/15
Dimensions:	Inches		
Mounting:	Rigid/C-Flange	TEFC - Red Line NEMA High Torque Farm Duty Series	
Casing Material:	Rolled Steel		