TECHTOP electric motors	**Model Number**	**RD1-RS-TF-143TC-4-B-C-1-115|230-60**
	MFG PN	**SLF143T1Z4L**
	List Price	**--**

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

Electrical Data	
Rated Motor Output Power	1 HP
Rated Motor Speed	1750 r/min
Rated Motor Voltage (1 Phase)	115|230-60 Volts - HZ
Rated Motor Current	9.30/4.65 Amps
Service Factor	1.15
KVA Code	J
Nominal Efficiency	90 %
Nominal Power Factor	0.9 cosθ
Full Load Torque Ft-Lb	4.08 Ft-Lb
Temp Rise @ Full Load °C	43.3
Efficiency Level	IE3 - NEMA Premium

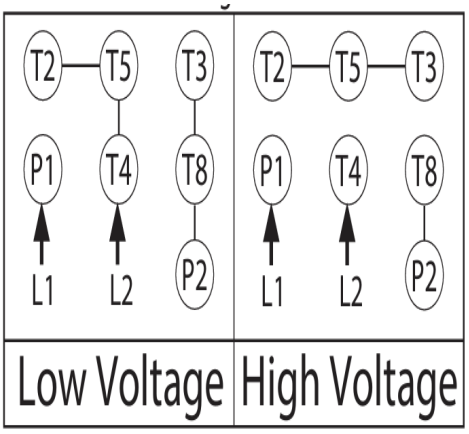
Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	272	32.59
Breakdown	-	282	-
Pull Up	-	185	-
125% of FL	1740	-	5.4
75% of FL	1767	-	3.6
50% of FL	1778	-	2.85
No Load	--	-	2
Hazardous Location	**CLI/II Div2 Grp C,D/F,G**		

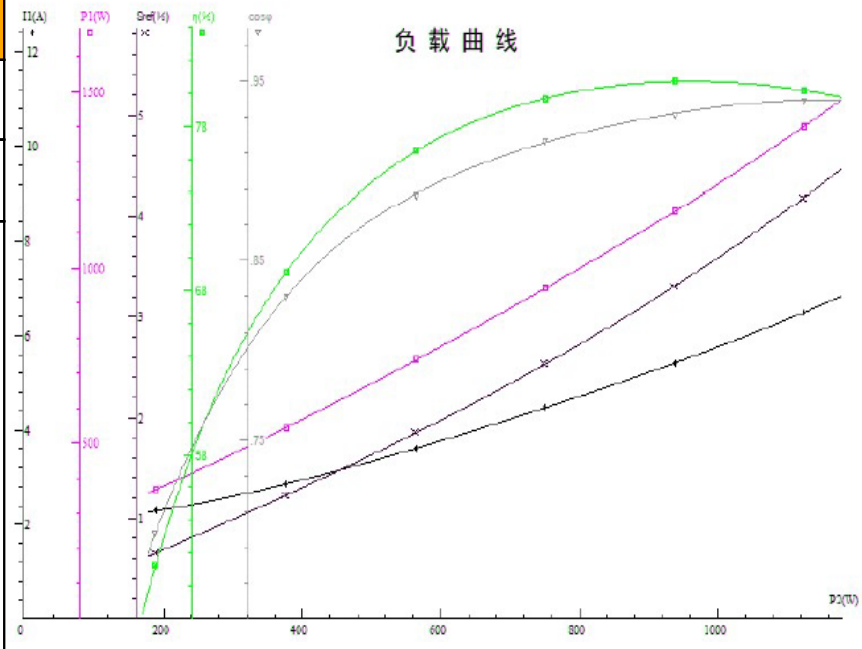
General Data	
Frame Size	143
Enclosure	TEFC
Approximate Weight	43.12
NEMA Design	L
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	--
Feet Removable	YES
Double Drilled	NO
Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Start Capacitor (µF / V / Qty)	--
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

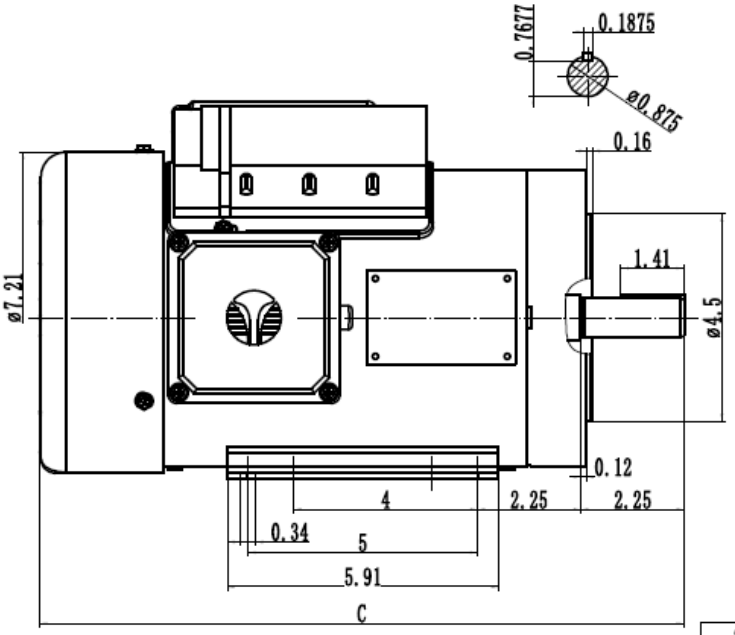
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**RD1-56-145-Frame-wiringDiagram**		

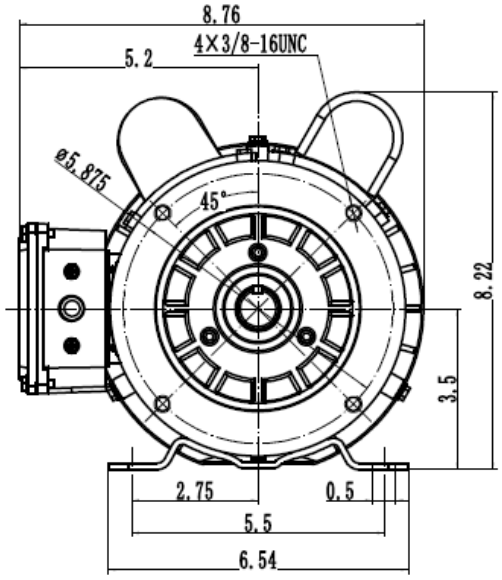




Model Number	RD1-RS-TF-143TC-4-B-C-1-115|230-60
MFG PN	SLF143T1Z4L
List Price	--
Base Frame	RD-143TC-RS-TF

FRAME:	HP:	RPM:	PHASE:	VOLT:	ENCL:	FREQ:	FLA:	LRA:





SLF145T3Z4L	3	16.1
SLF145T2Z4L	2	14.9
SLF145T1.5Z4L	1.5	14.1
SLF143T1Z4L	1	13.3
SLF145T5Z2L	5	16.1
SLF145T3Z2L	3	14.9
SLF145T2Z2L	2	14.1
SLF143T1.5Z2L	1.5	14.1
SLF143T1Z2L	1	13.3
型号	功率(HP)	C

TECHTOP®	MODEL: SLF140TC	SCALE: 1:2	DATE:	UNITS:	
	REV. DESC:	VERSION:	REVISED:	BY:	
				WWW.TECHTOP.COM	