TECHTOP electric motors		**Model Number**	**RD1-RS-TF-213TCZ-4-B-B-7.5-230-60**
		MFG PN	**SLF213TZ7.5Z4L**
		List Price	**--**

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

Electrical Data		**General Data**	
Rated Motor Output Power	7.5 HP	Frame Size	213
Rated Motor Speed	1740 r/min	Enclosure	TEFC
Rated Motor Voltage (1 Phase)	230-60 Volts - HZ	Approximate Weight	--
Rated Motor Current	31 Amps	NEMA Design	L
Service Factor	1.15	IP Rating	55
KVA Code	H	Insulation Class	F
Nominal Efficiency	94 %	Tropicalization	YES
Nominal Power Factor	0.94 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	29.85 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	79	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	238	221.1
Breakdown	-	429	-
Pull Up	-	220	-
125% of FL	1745	-	39.1
75% of FL	1771	-	23.55
50% of FL	1781	-	17.18
No Load	--	-	7.44

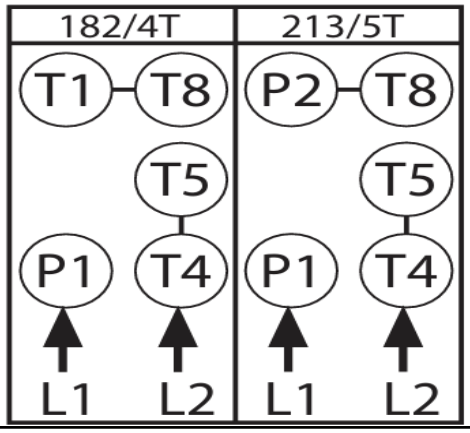
Rated Ambient (°C)	40		
Rated Altitude (M)	1000		
Coating	7024 - Graphite Grey		
Start Capacitor (µF / V / Qty)	--		
Run Capacitor (µF / V / Qty)	--		
Centrifugal Switch Type	--		
Mechanical Data			
Bearing DE Side	6208 2RZ		
Bearing NDE Side	6206 2RZ		
Moment of Inertia	-- kg.m2		
Noise Level	Per NEMA dB (A)		

Hazardous Location	**CLI/II Div2 Grp C,D/F,G**		
CT VFD Range	--	**Loaded Torque Curves**	**--**

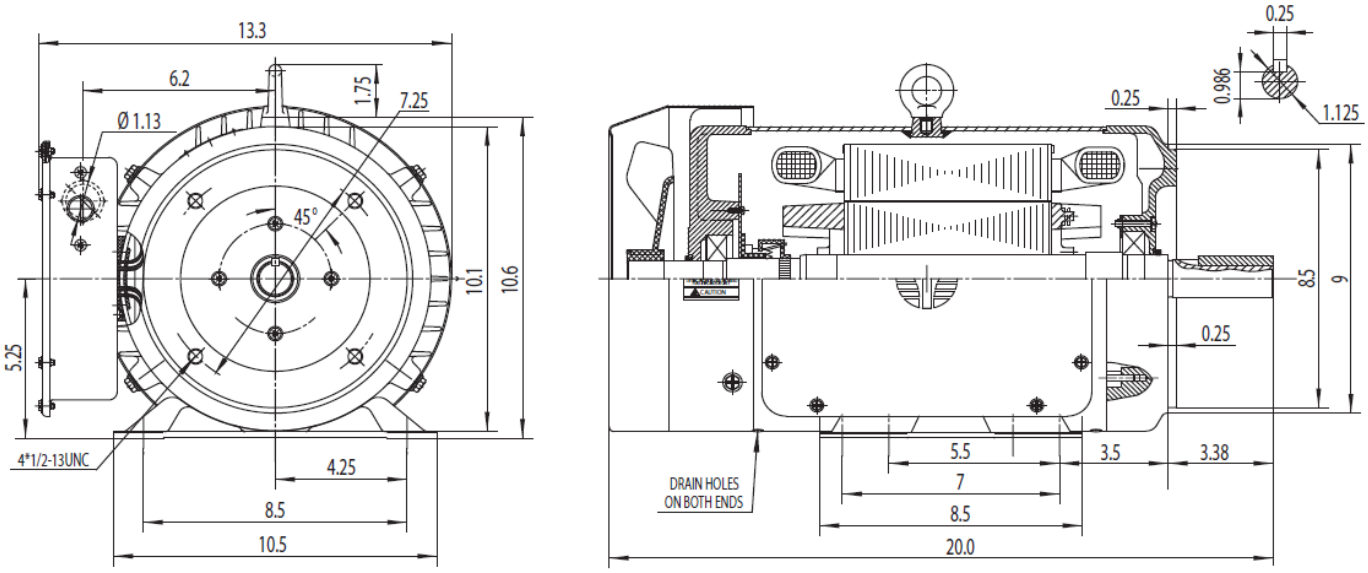
P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosϕ = Power Factor

Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A

Wiring Diagram **RD1-182-215-Frame-wiringDiagram**



Model Number	RD1-RS-TF-213TCZ-4-B-B-7.5-230-60
MFG PN	SLF213TZ7.5Z4L
List Price	--
Base Frame	RD-213TCZ-RS-TF



TECHTOP®		NEMA TEFC 213TCZ	
Drawing Number:	RD1-RS-TF-213TCZ	Issued Date:	6/22/15
Dimensions:	Inches		
Mounting:	Rigid/C-Flange	TEFC - Red Line NEMA High Torque Farm Duty Series	
Casing Material:	Rolled Steel		