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

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

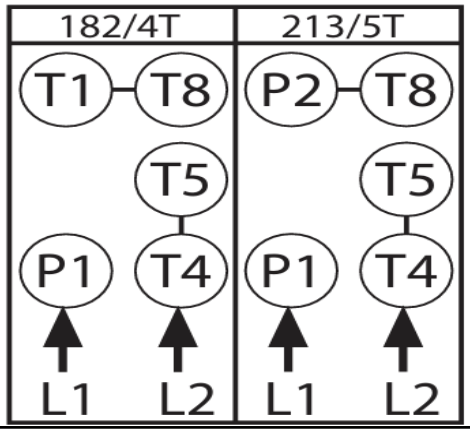
Electrical Data	
Rated Motor Output Power	7.5 HP
Rated Motor Speed	1740 r/min
Rated Motor Voltage (1 Phase)	230-60 Volts - HZ
Rated Motor Current	31 Amps
Service Factor	1.15
KVA Code	H
Nominal Efficiency	94 %
Nominal Power Factor	0.94 cosθ
Full Load Torque Ft-Lb	29.85 Ft-Lb
Temp Rise @ Full Load °C	79
Efficiency Level	IE3 - NEMA Premium

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
Hazardous Location	**CLI/II Div2 Grp C,D/F,G**		

CT VFD Range	--

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

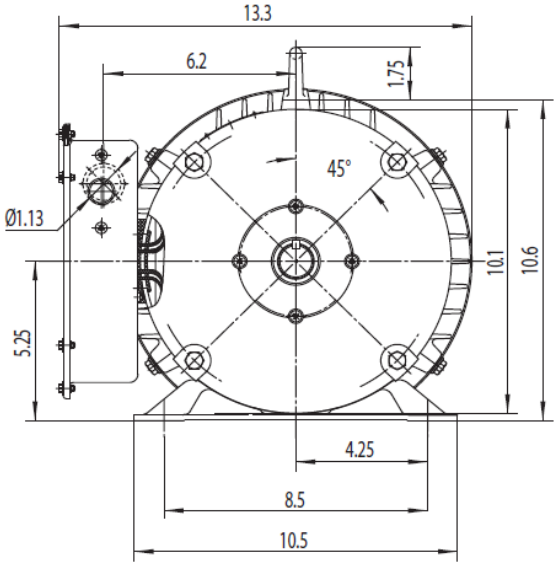
Wiring Diagram **RD1-182-215-Frame-wiringDiagram**

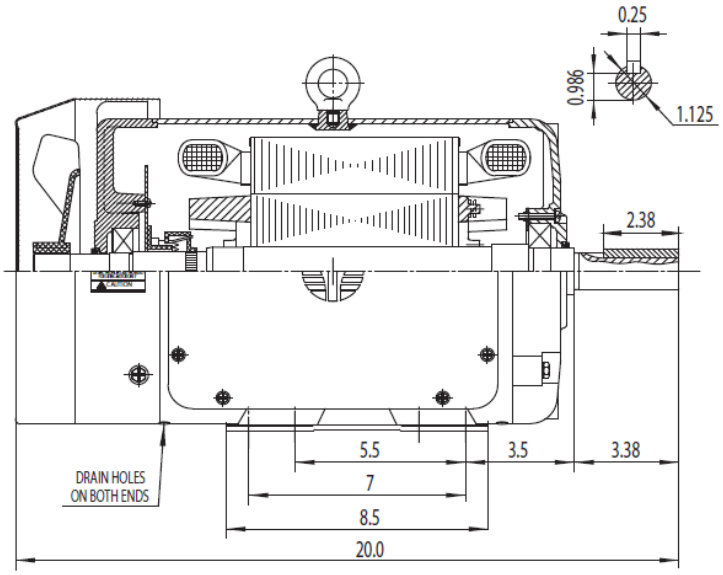


General Data	
Frame Size	213
Enclosure	TEFC
Approximate Weight	--
NEMA Design	L
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	1.25
Feet Removable	YES
Double Drilled	NO
Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Start Capacitor (µF / V / Qty)	--
Run Capacitor (µF / V / Qty)	--
Centrifugal Switch Type	--
Mechanical Data	
Bearing DE Side	6208 2RZ
Bearing NDE Side	6206 2RZ
Moment of Inertia	-- kg.m2
Noise Level	Per NEMA dB (A)
Loaded Torque Curves	**--**

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

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





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