

## TL3F Standard Compressor R134a 115V 60Hz

### General

Code number	102G3300
Approvals	UL984
Compressors on pallet	125

### Application

Application	LBP/MBP			
	Hz	50	60	
Frequency	Hz	50	60	
Evaporating temperature	°F	-	-13 to 23	
Voltage range	V	-	103 - 127	
Max. condensing temperature continuous (short)	°F	-	140 (158)	
Max. winding temperature continuous (short)	°F	-	257 (257)	

### Cooling requirements

Frequency	Hz	50			60		
		LBP	MBP	HBP	LBP	MBP	HBP
90°F		-	-	-	S	S	-
100°F		-	-	-	S	S	-
110°F		-	-	-	S	S	-
Remarks on application:							

### Motor

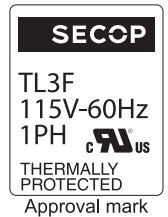
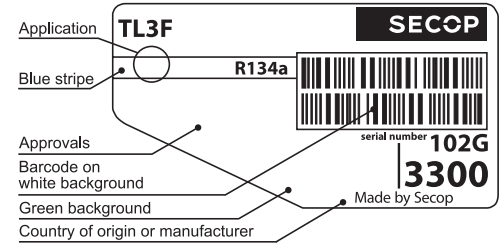
Motor type	RSIR		
LRA (rated after 4 sec. UL984), HST   LST	A	-	6.0
Cut in Current, HST   LST	A	-	15.0
Resistance, main   start winding (77°F)	Ω	6.3	4.8

### Design

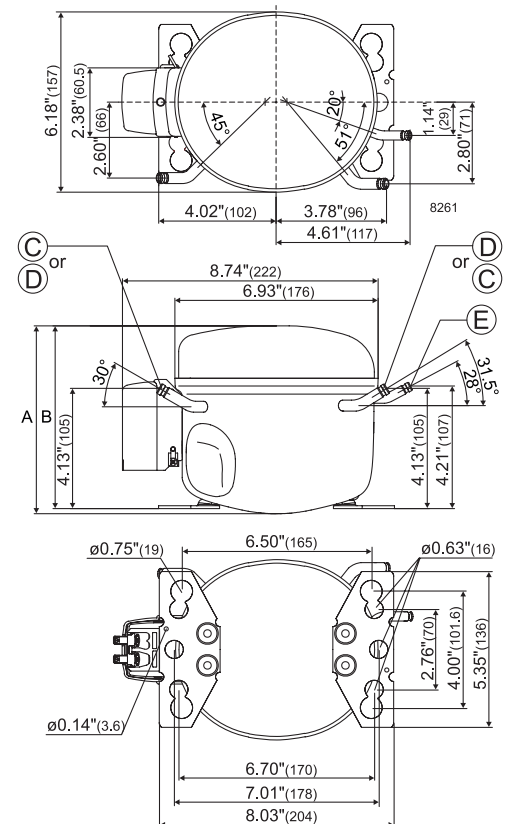
Displacement	cu.in	0.19
Oil quantity (type)	fl.oz.	6.1 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	54.3
Weight without electrical equipment	lbs.	14.7

### Dimensions

Height	inch	A	6.42
		B	6.30
		B1	-
		B2	-
Suction connector	location, I.D. in.   angle	C	0.378-0.385   30°
	material   comment		Cu-plated steel   Al cap
Process connector	location, I.D. in.   angle	D	0.252-0.259   31.5°
	material   comment		Cu-plated steel   Al cap
Discharge connector	location, I.D. in.   angle	E	0.252-0.259   28°
	material   comment		Cu-plated steel   Al cap
Oil cooler connector	location, I.D. in.   angle	F	-
	material   comment		-
Remarks:			



- S = Static cooling normally sufficient
- O = Oil cooling
- F<sub>1</sub> = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F<sub>2</sub> = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



**ASHRAE LBP**

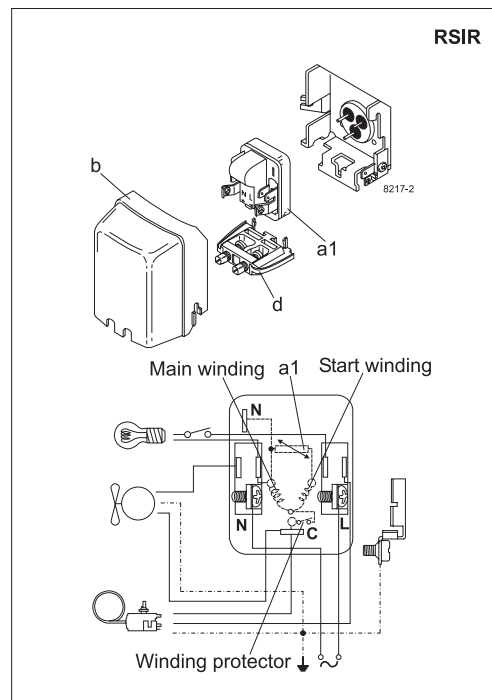
115V, 60Hz, static cooling

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in BTU/h					229	253	352	479	539	639							
Power cons. in W					72.3	76.9	92.4	108	115	125							
Current cons. in A					1.09	1.12	1.21	1.32	1.38	1.47							
EER in BTU/Wh					3.16	3.30	3.81	4.43	4.70	5.13							

**EN 12900 Household (CECOMAF)**

115V, 60Hz, static cooling

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in W					184	204	283	385	433	514							
Power cons. in W					72.0	76.7	92.2	108	115	125							
Current cons. in A					1.09	1.11	1.21	1.32	1.38	1.47							
COP in W/W					2.56	2.66	3.07	3.56	3.77	4.11							



Accessories for	TL3F	Figure	Code number	Test conditions	ASHRAE LBP	EN 12900/CECOMAF
PTC starting device	1/4 in. spade connect.	a1	103N0026	Condensing temp.	130°F	131°F
	3/16 in. spade connect.		103N0023	Ambient temp.	90°F	90°F
Cover		b	103N2011	Suction gas temp.	90°F	90°F
Cord relief		d	103N1010	Liquid temperature	90°F	no subcooling

Mounting accessories	Code number
Bolt joint for one comp. Ø: 5/8 in.	118-1917
Bolt joint in quantities Ø: 5/8 in.	118-1918
Snap-on in quantities Ø: 5/8 in.	118-1919

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