

# TL2.5G Universal Compressor R134a 115V 60Hz



## General

Code number	102G3255
Approvals	UL984
Compressors on pallet	125

## Application

Application	LBP/HBP			
	Hz	50	60	
Frequency	Hz	50	60	
Evaporating temperature	°F	-	-13 to 59	
Voltage range	V	-	103 - 127	
Max. condensing temperature continuous (short)	°F	-	140 (158)	
Max. winding temperature continuous (short)	°F	-	257 (275)	

## Cooling requirements

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

## Motor

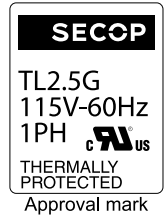
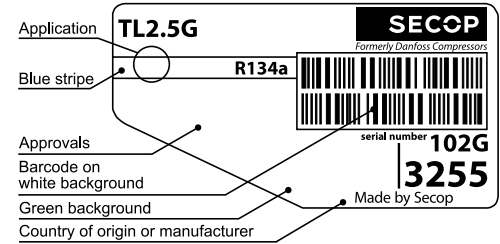
Motor type	RSIR		
LRA (rated after 4 sec. UL984), HST   LST	A	-	7.0
Cut in Current, HST   LST	A	-	16.0
Resistance, main   start winding (77°F)	Ω	5.3	4.9

## Design

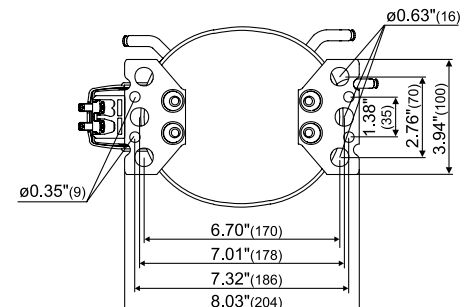
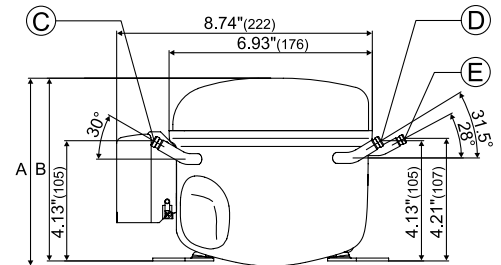
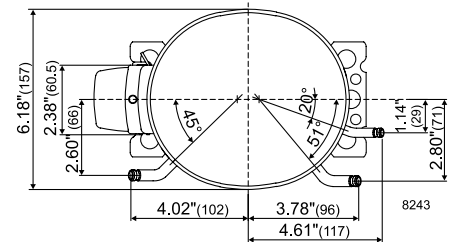
Displacement	cu.in	0.16
Oil quantity (type)	fl.oz.	9.5 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	54.3
Weight without electrical equipment	lbs.	14.7

## Dimensions

Height	inch	A	6.42
		B	6.26
		B1	-
		B2	-
Suction connector	location, I.D. in.   angle	C	0.252-0.259   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	0.202-0.205   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	32	40	45	50	59	68
Capacity in BTU/h					170	190	279	402	463	557	746	791	969	1093	1226	1488	
Power cons. in W					69	72	81	91	95	101	113	115	124	131	137	149	
Current cons. in A					1.22	1.23	1.28	1.34	1.36	1.41	1.48	1.49	1.56	1.60	1.64	1.73	
EER in BTU/Wh					2.46	2.66	3.46	4.43	4.87	5.50	6.63	6.89	7.79	8.36	8.94	9.97	

**ASHRAE HBP**

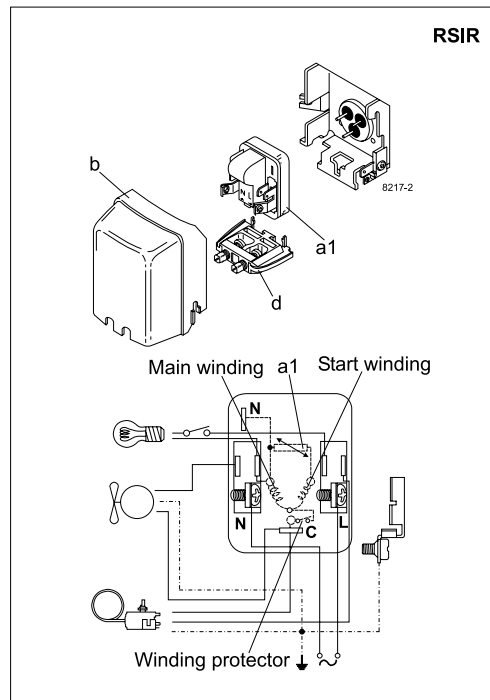
115V, 60Hz, static cooling

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	32	40	45	50	59	68
Capacity in BTU/h					150	169	248	356	412	493	660	702	857	966	1083	1312	
Power cons. in W					69	72	81	91	95	101	113	115	124	131	137	149	
Current cons. in A					1.22	1.23	1.28	1.34	1.36	1.41	1.48	1.49	1.56	1.60	1.64	1.73	
EER in BTU/Wh					2.18	2.36	3.07	3.92	4.36	4.87	5.87	6.14	6.88	7.39	7.89	8.79	

**EN 12900 Household (CECOMAF)**

115V, 60Hz, static cooling

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	32	40	45	50	59	68
Capacity in W					41	45	67	96	108	133	178	186	231	260	291	353	
Power cons. in W					69	72	81	91	95	101	113	115	124	131	137	149	
Current cons. in A					1.22	1.23	1.28	1.34	1.37	1.41	1.48	1.50	1.56	1.60	1.64	1.73	
COP in W/W					0.59	0.64	0.83	1.06	1.14	1.31	1.58	1.61	1.85	1.99	2.12	2.36	



Accessories for	TL2.5G	Figure	Code number	Test conditions	ASHRAE LBP	ASHRAE HBP	EN 12900/CECOMAF
PTC starting device	1/4 in. spade connect.	a1	103N0003	Condensing temp.	130°F	130°F	131°F
	3/16 in. spade connect.		103N0023	Ambient temp.	90°F	95°F	90°F
Cover		b	103N2011	Suction gas temp.	90°F	95°F	90°F
Cord relief		d	103N1010	Liquid temperature	90°F	115°F	131°F

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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