

TL4F Standard Compressor R134a 115V 60Hz



General

Code number	102G3400
Approvals	UL984
Compressors on pallet	125

Application

Application	LBP/MBP			
	Hz	50	60	
Frequency	Hz	50	60	
Evaporating temperature	°F	-	-31 to 20	
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

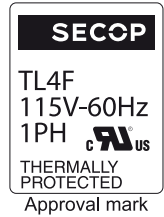
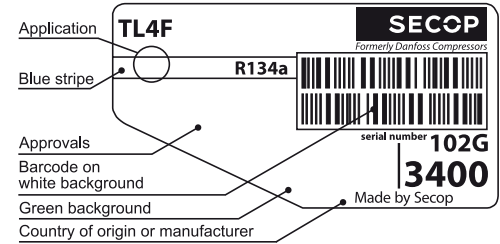
Motor type	RSIR		
LRA (rated after 4 sec. UL984), HST LST	A	-	7.0
Cut in Current, HST LST	A	-	16.0
Resistance, main start winding (77°F)	Ω	5.3	4.9

Design

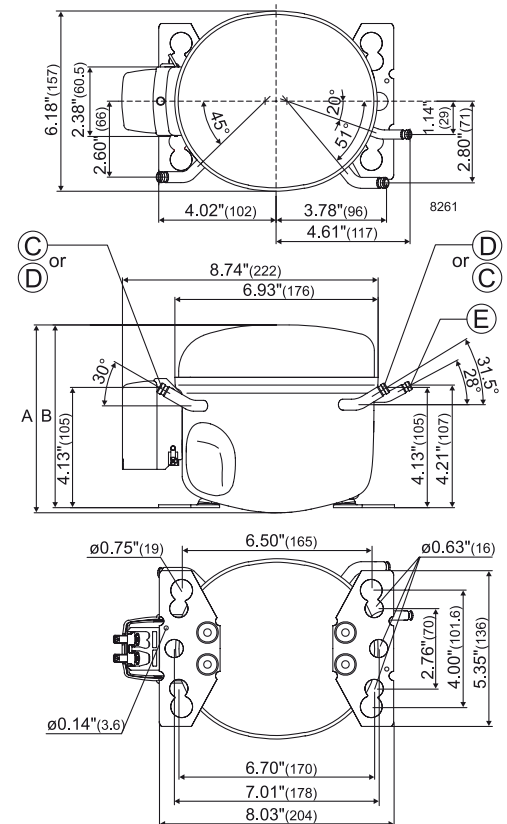
Displacement	cu.in	0.23
Oil quantity (type)	fl.oz.	6.1 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	54.2
Weight without electrical equipment	lbs.	14.7

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
- F₁ = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



ASHRAE LBP

115V, 60Hz, static cooling, PTC consumption incl.

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			181	228	281	310	430	594	673	802							
Power cons. in W			64	77	87	91	107	124	131	142							
Current cons. in A			1.36	1.43	1.49	1.52	1.61	1.72	1.77	1.84							
EER in BTU/Wh			2.81	2.97	3.25	3.41	4.03	4.79	5.13	5.64							

ASHRAE MBP

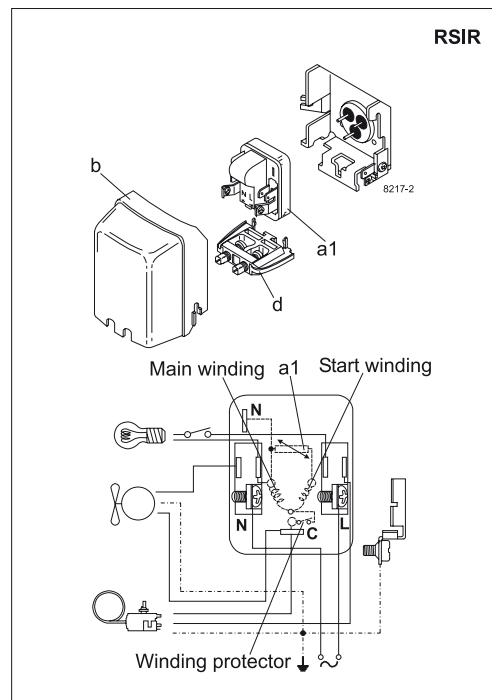
115V, 60Hz, static cooling, PTC consumption incl.

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			161	203	250	276	383	529	599	714							
Power cons. in W			64	77	87	91	107	124	131	142							
Current cons. in A			1.36	1.43	1.49	1.52	1.61	1.72	1.77	1.84							
EER in BTU/Wh			2.50	2.64	2.89	3.03	3.59	4.26	4.57	5.02							

EN 12900 Household (CECOMAF)

115V, 60Hz, static cooling, PTC consumption incl.

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in W			43	54	66	73	102	141	159	190							
Power cons. in W			64	77	87	91	107	124	131	142							
Current cons. in A			1.36	1.43	1.49	1.52	1.61	1.72	1.77	1.84							
COP in W/W			0.66	0.70	0.77	0.80	0.95	1.13	1.21	1.33							



Accessories for	TL4F	Figure	Code number	Test conditions	ASHRAE LBP	ASHRAE MBP	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	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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