

TT2.5F Standard Compressor R134a 115V 60Hz



General

Code number	102G3248
Approvals	UL984
Compressors on pallet	125

Application

Application	MBP			
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		
Application		LBP	MBP	HBP	LBP	MBP	HBP
90°F		-	-	-	-	S	-
100°F		-	-	-	-	S	-
110°F		-	-	-	-	S	-
Remarks on application:							

Motor

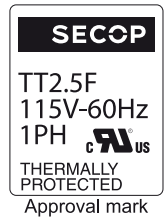
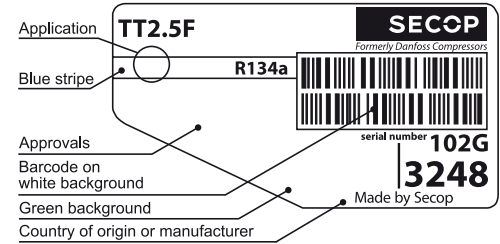
Motor type	RSIR		
LRA (rated after 4 sec. UL984), HST LST	A	-	5.1
Cut in Current, HST LST	A	-	14.0
Resistance, main start winding (77°F)	Ω	8.1	4.9

Design

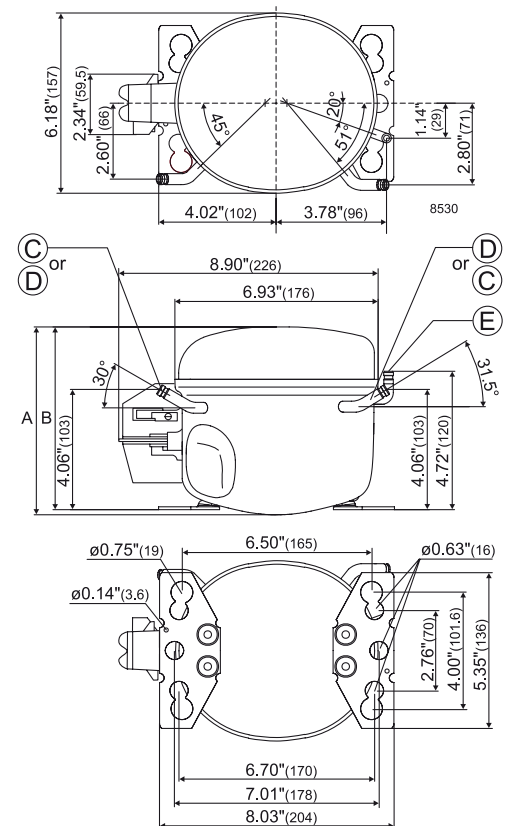
Displacement	cu.in	0.16
Oil quantity (type)	fl.oz.	6.1 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	54.2
Weight without electrical equipment	lbs.	14.7

Dimensions

Height	inch	A	6.22
		B	5.98
		B1	-
		B2	-
Suction connector	location, I.D. in. angle	C	0.252-0.259 30°
	material comment		Cu-plated steel Rubber plug
Process connector	location, I.D. in. angle	D	0.252-0.259 31.5°
	material comment		Cu-plated steel Rubber plug
Discharge connector	location, I.D. in. angle	E	0.189-0.193 28°
	material comment		Cu-plated steel Rubber plug
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 MBP

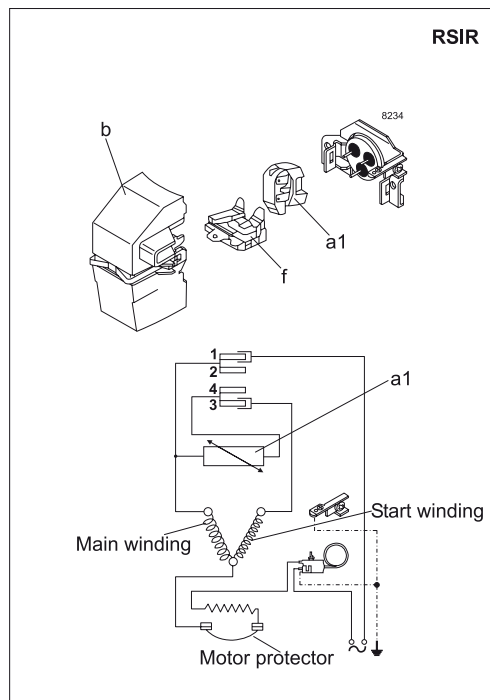
115V, 60Hz, static cooling, PTC consumption incl.

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					166	187	268	373	445	496							
Power cons. in W					66	69	81	93	95	107							
Current cons. in A					0.96	0.99	1.04	1.11	1.13	1.22							
EER in BTU/Wh					2.54	2.69	3.31	3.99	4.69	4.64							

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					44	50	71	98	105	132							
Power cons. in W					66	69	81	93	95	107							
Current cons. in A					0.96	0.99	1.04	1.11	1.13	1.22							
COP in W/W					0.68	0.72	0.88	1.05	1.11	1.23							



Accessories for	TT2.5F	Figure	Code number	Test conditions	ASHRAE MBP	EN 12900/CECOMAF
PTC starting device (Texas Instruments) with reduced loss of energy		a1	117U6102	Condensing temp.	130°F	131°F
			TI 8EA 4B3	Ambient temp.	90°F	90°F
PTC starting device (Siemens) with reduced loss of energy		a1 (alt.)	117U6105	Suction gas temp.	90°F	90°F
			J506-A120-A120	Liquid temperature	115°F	131°F
Cover		b	117U1026			
Protector (Texas Instruments)		f	117U3301			
			TI-4TM276NFBYY-53			
				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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