

## Single Pack TFS4F 115-127V 60Hz RSIR

Single pack code number: **195B4059**

Position	Title	Code	Amount
1	Compressor TFS4F	102G3431	1
2	Starting relay (overload protector MRP57JK-6, T0727/06)	117U4122	1
3	Cord relief	117U0349	1
4	Cover	117U1021	1
5	Bolt joint for one compressor   M6   ø16mm	118-1917	1

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## TFS4F Standard Compressor R134a 115-127V 60Hz

### General

Code number	102G3431
Approvals	UL984
Compressors on pallet	125

### Application

Application	LBP			
Frequency	Hz	50		60
Evaporating temperature	°F	–		-31 to 14
Voltage range	V	–		95 - 135
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

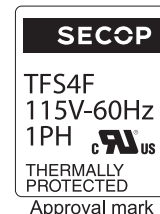
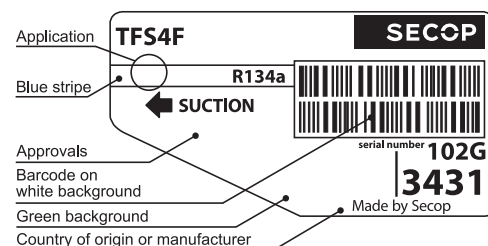
Motor type	RSIR			
LRA (rated after 4 sec. UL984), HST   LST	A	–		18.9
Cut in Current, HST   LST	A	–		18.9
Resistance, main   start winding (77°F)	Ω	3.8		7.8

### Design

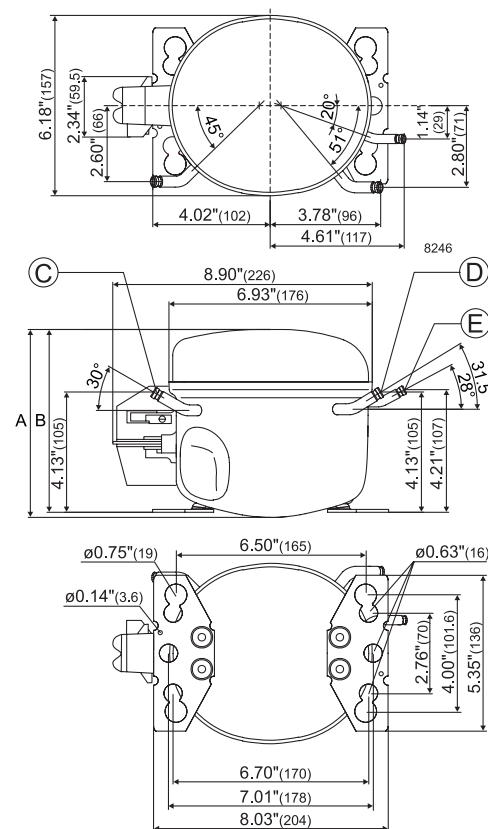
Displacement	cu.in	0.23
Oil quantity (type)	fl.oz.	6.1 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	60.6
Weight without electrical equipment	lbs.	16.5

### Dimensions

Height	inch	A	6.81
		B	6.65
		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	0.202-0.205   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
- 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

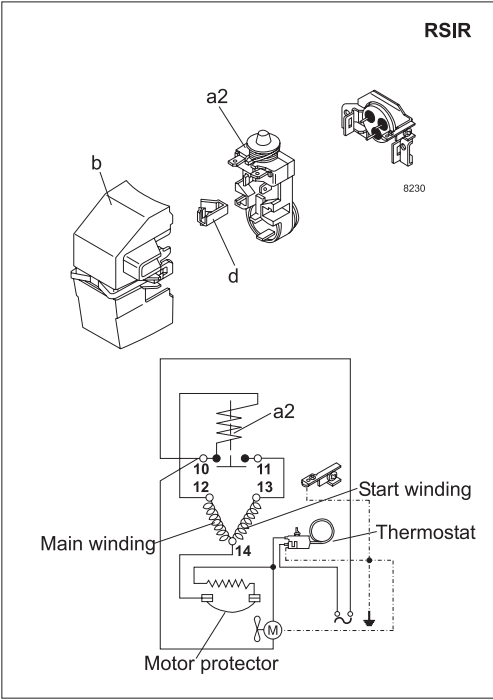
115V, 60Hz, static cooling

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			155	237	315	355	506	697	782								
Power cons. in W			60	79	92	97	114	132	139								
Current cons. in A			1.46	1.53	1.59	1.62	1.71	1.82	1.87								
EER in BTU/Wh			2.58	3.00	3.44	3.66	4.43	5.28	5.62								

EN 12900 Household (CECOMAF)

115V, 60Hz, static cooling

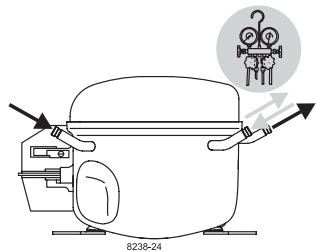
Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in W			37	56	75	85	120	166	186								
Power cons. in W			60	79	92	97	114	132	139								
Current cons. in A			1.46	1.53	1.59	1.62	1.71	1.82	1.87								
COP in W/W			0.61	0.71	0.82	0.87	1.05	1.26	1.34								



Accessories for	TFS4F	Figure	Code number	Test conditions	ASHRAE LBP	EN 12900/CECOMAF
Starting relay (protector incl.)			117U4122	Condensing temp.	130°F	131°F
Protector 3/4"	Texas Instruments	a2	MRP57JK-6	Ambient temp.	90°F	90°F
Protector 3/4"	Electrica		T 0727/06	Suction gas temp.	90°F	90°F
Cover		b	117U1021	Liquid temperature	90°F	131°F
Cord relief		d	117U0349			

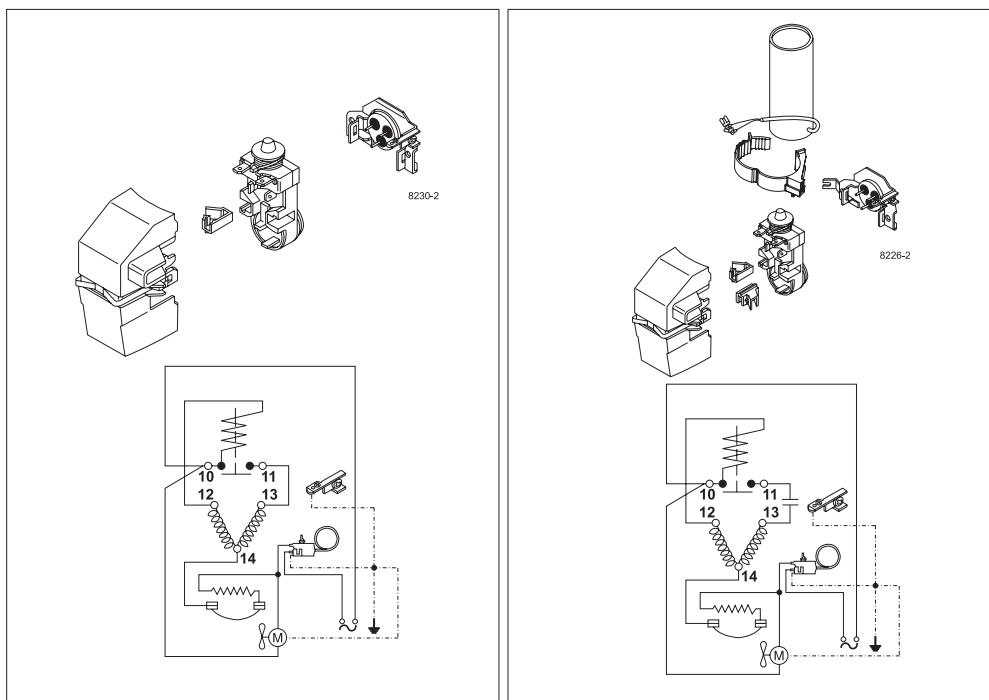
Mounting accessories	Code number
Bolt joint for one comp. Ø: 5/8 in.	118-1917
Bolt joint in quantities Ø: 5/8 in.	118-1918
Snap-on in quantities Ø: 5/8 in.	118-1919

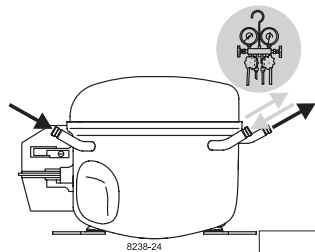
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# TF Compressors

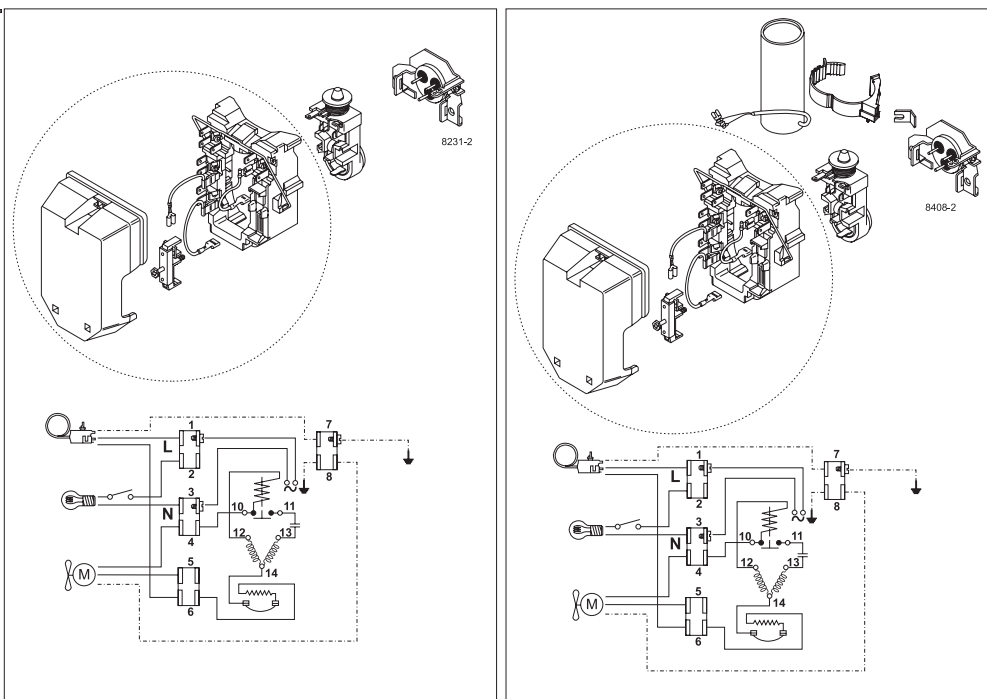
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