Single Packs



Single Pack TFS4.5FT 220V 50Hz CSIR

Single pack code number: 195B4390

Position	Title	Code	Amount
1	Compressor TFS4.5FT	102G4433	1
2	Starting relay (overload protector MRP77HL-6)	117U4147	1
3	Starting capacitor (80µF 220V, 6.3mm)	117U5015	1
4	Cord relief	117U0317	1
5	Cord relief	117U0349	1
6	Cover	117U1023	1
7	Bolt joint for one compressor M6 ø16mm	118-1917	1

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TFS4.5FT Tropical Compressor R134a 220V 50Hz

General

Code number	102G4433
Approvals	UL984
Compressors on pallet	125

Application

Application		LBP/MBP				
Frequency	Hz	50	60			
Evaporating temperature	°F	-31 to 23	_			
Voltage range	V	176 - 242	_			
Max. condensing temperature continuous (short)	°F	140 (158)	_			
Max. winding temperature continuous (short)	°F	257 (275)	_			

Cooling requirements

3 14 1 1							
Frequency	Hz		50			60	
Application		LBP	МВР	HBP	LBP	МВР	НВР
90°F		S	S	_	_	_	-
100°F		S	S	_	_	_	-
110°F		S	S	_	_	_	-
Remarks on application:							

Application TFS4.5FT SECOP

Blue stripe SUCTION

Approvals

Barcode on white background

Yellow background

Country of origin or manufacturer



S = Static cooling normally sufficient

O = Oil cooling

 F_1 = 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 sufficent

= not applicable in this area

Motor

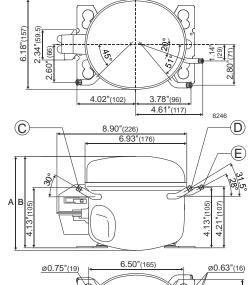
Motor type	RSIR/CSIR			
LRA (rated after 4 sec. UL984), HST LST	Α	8.0	10.3	
Cut in Current, HST LST	А	8.0	10.8	
Resistance, main start winding (77°F)	Ω	13.1	36.0	

Design

Displacement	cu.in	0.29
Oil quantity (type)	fl.oz.	6.1 (polyolester)
Maximum refrigerant charge	OZ.	14.0
Free gas volume in compressor	fl.oz.	57.3
Weight without electrical equipment	lbs.	14.9

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:		



ASHRAE LBP 220V, 50Hz, static cooling

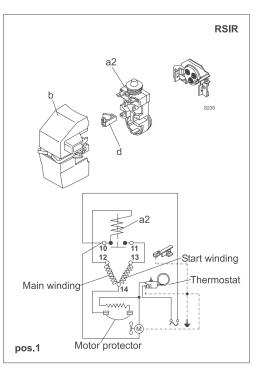
Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in BTU/h			199	296	379	418	569	754	839	977							
Power cons. in W			88	99	107	111	125	140	146	156							
Current cons. in A			0.95	0.97	0.99	1.00	1.03	1.07	1.09	1.12							
EER in BTU/Wh			2.27	2.99	3.52	3.75	4.55	5.38	5.73	6.27							

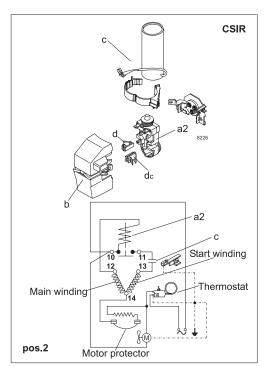
ASHRAE MBP 220V, 50Hz, static cooling

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			178	265	338	373	508	673	748	871							
Power cons. in W			85	97	106	110	124	139	145	155							
Current cons. in A			0.95	0.97	0.99	1.00	1.03	1.07	1.09	1.12							
EER in BTU/Wh			2.09	2.73	3.20	3.40	4.10	4.84	5.15	5.63							

EN 12900 Household (CECOMAF) 220V, 50Hz, 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			48	71	91	100	136	180	200	233							
Power cons. in W			88	99	107	111	125	140	146	156							
Current cons. in A			0.95	0.97	0.99	1.00	1.03	1.07	1.09	1.12							
COP in W/W			0.54	0.72	0.84	0.90	1.09	1.29	1.37	1.50							





Accessories for	TFS4.5FT	Figure	Code number
Starting relay	1/4 in. spade connect.	a2	117U4103
Protector 3/4 in.	Texas Instruments	(pos.1)	MRP77HL-6
Starting relay	1/4 in. spade connect.	a2	117U4147
Protector 3/4 in.	Texas Instruments	(pos.2)	MRP77HL-6
Cover		b	117U1023
Start. capacitor 80 µF	1/4 in. spade connect.	С	117U5015
Cord relief		d	117U0349
Cord relief capacitor		dc	117U0349

Test conditions	ASHRAE LBP	ASHRAE MBP	EN 12900/ CECOMAF
Condensing temp.	130°F	130°F	131°F
Ambient temp.	90°F	95°F	90°F
Suction gas temp.	90°F	95°F	90°F
Liquid temperature	90°F	95°F	131°F

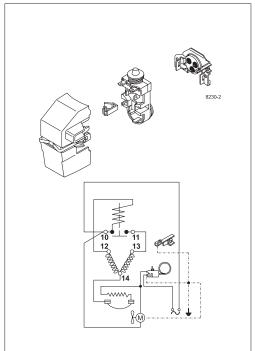
Mounting accessories		Code number
Bolt joint for one comp.	Ø: 5/8 in.	118-1917
Bolt joint in quantities	Ø: 5/8 in.	118-1918
Snap-on in quantities	Ø: 5/8 in.	118-1919

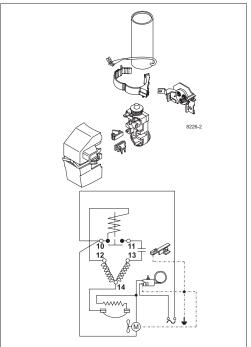
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TF Compressors



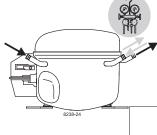


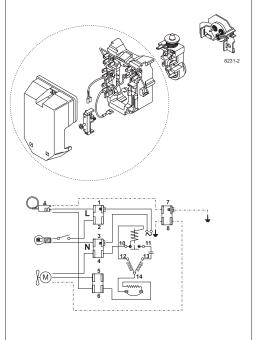


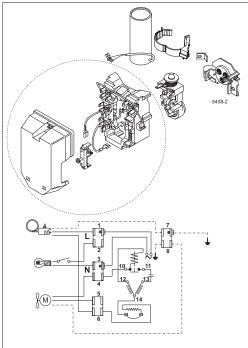
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