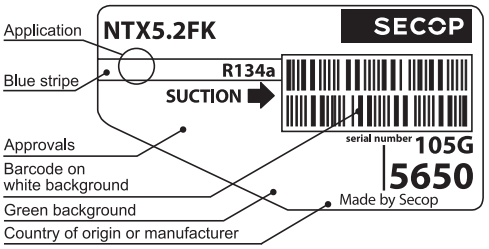
NTX5.2FK
High Energy-optimized Compressor
R134a
115V 60Hz



Approval mark

General

Code number	105G5650
Approvals	UL984
Compressors on pallet	80

Application

Application		LBP	
Frequency	Hz	50	60
Evaporating temperature	°F	–	-31 to 14
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		
Application		LBP	MBP	HBP	LBP	MBP	HBP
90°F		–	–	–	S	–	–
100°F		–	–	–	S	–	–
110°F		–	–	–	S	–	–
Remarks on application: Below 10°F only for 115V 60Hz nominal.							

S = Static cooling normally sufficient
O = Oil cooling
F_1 = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
F_2 = Fan cooling 3.0 m/s necessary
SG = Suction gas cooling normally sufficent
– = not applicable in this area

Motor

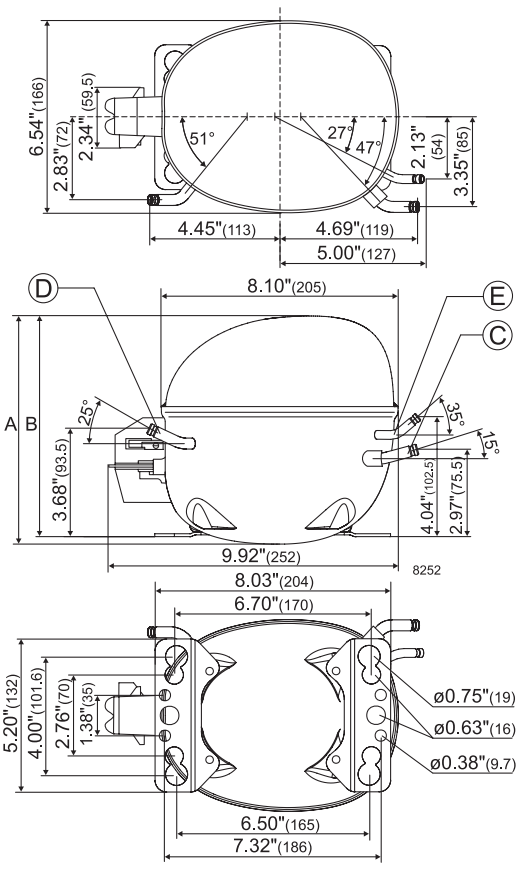
Motor type		RSCR	
LRA (rated after 4 sec. UL984), HST | LST	A	–	7.0
Cut in Current, HST | LST	A	–	14.7
Resistance, main | start winding (77°F)	Ω	5.6	4.6

Design

Displacement	cu.in	0.31
Oil quantity (type)	fl.oz.	9.2 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	79.5
Weight without electrical equipment	lbs.	24.9

Dimensions

Height	inch	A	8.00
		B	7.76
		B1	–
		B2	–
Suction connector	location, I.D. in. | angle	C	0.320-0.327 | 15°
	material | comment		Copper | Rubber plug
Process connector	location, I.D. in. | angle	D	0.252-0.259 | 25°
	material | comment		Copper | Rubber plug
Discharge connector	location, I.D. in. | angle	E	0.252-0.259 | 35°
	material | comment		Copper | Rubber plug
Oil cooler connector	location, I.D. in. | angle	F	–
	material | comment		–
Remarks:			

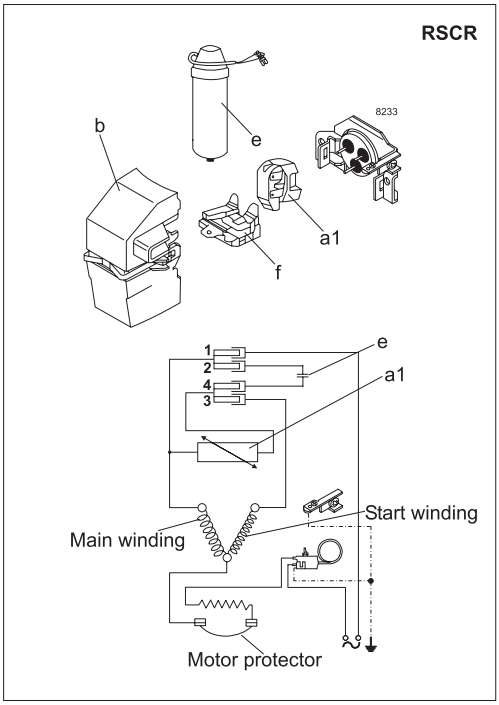


ASHRAE LBP Static cooling, with RC 12µF, 115V 60Hz, PTC consumption incl.

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			277	424	543	600	812	1066	1182								
Power cons. in W			71.1	89.3	102	107	125	144	152								
Current cons. in A			0.62	0.78	0.89	0.94	1.12	1.30	1.38								
EER in BTU/Wh			3.89	4.74	5.34	5.60	6.48	7.40	7.77								

EN 12900 Household (CECOMAF) Static cooling, with RC 12µF, 115V 60Hz, 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			64.8	100	128	142	192	252	279								
Power cons. in W			71.1	89.3	102	107	125	144	152								
Current cons. in A			0.62	0.78	0.89	0.94	1.12	1.30	1.38								
COP in W/W			0.92	1.12	1.26	1.32	1.53	1.75	1.83								



Accessories for NTX5.2FK	Figure	Code number
PTC starting device (Texas Instruments) with reduced loss of energy	a1	117U6102 TI 8EA 4B3
PTC starting device (Siemens) with reduced loss of energy	a1 (alt.)	117U6106 J506-A120-A320
Cover	b	117U1026
Run capacitor 12 µF (compulsory)	e	117-7126
Protector (Texas Instruments)	f	117U3302 TI-4TM314NFBYY-53

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