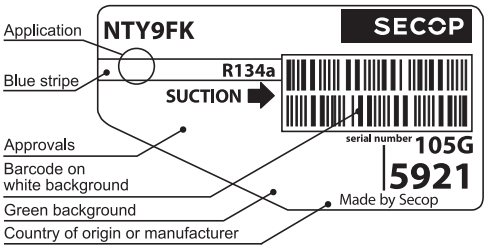
NTY9FK
High Energy-optimized Compressor
R134a
115V 60Hz



Approval mark

General

Code number	105G5921
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		–	–	–	F_1	–	–
100°F		–	–	–	F_1	–	–
110°F		–	–	–	F_1	–	–
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

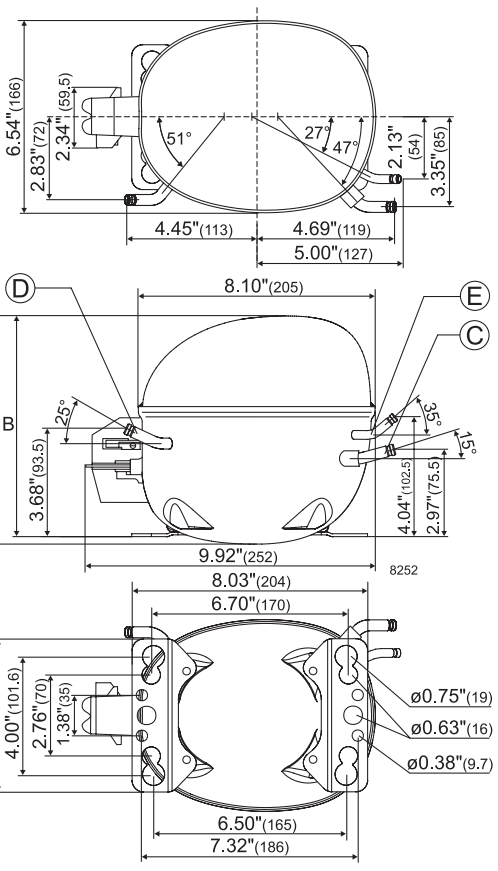
Motor type		RSCR	
LRA (rated after 4 sec. UL984), HST | LST	A	–	13.4
Cut in Current, HST | LST	A	–	24.2
Resistance, main | start winding (77°F)	Ω	2.4	3.2

Design

Displacement	cu.in	0.51
Oil quantity (type)	fl.oz.	9.9 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	79.7
Weight without electrical equipment	lbs.	23.8

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	Cu-plated steel | Rubber plug	
Process connector	location, I.D. in. | angle	D	0.252-0.259 | 25°
	material | comment	Cu-plated steel | Rubber plug	
Discharge connector	location, I.D. in. | angle	E	0.252-0.259 | 35°
	material | comment	Cu-plated steel | Rubber plug	
Oil cooler connector	location, I.D. in. | angle	F	–
	material | comment	–	
Remarks:			

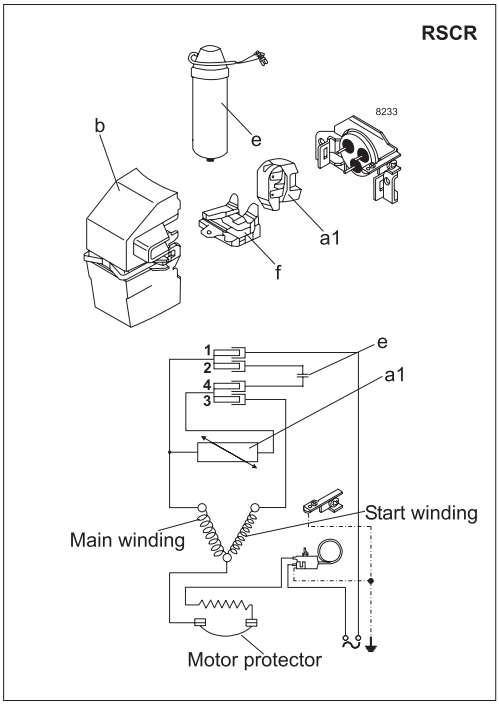


ASHRAE LBP Static cooling, with RC 15µF, 115V 60Hz, PTC consumption incl.

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			557	753	930	1016	1356	1784	1982								
Power cons. in W			135	164	186	196	231	271	290								
Current cons. in A			1.26	1.48	1.67	1.75	2.08	2.45	2.61								
EER in BTU/Wh			4.13	4.59	5.00	5.19	5.87	6.57	6.84								

EN 12900 Household (CECOMAF) Static cooling, with RC 15µF, 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			134	181	223	243	325	427	474								
Power cons. in W			135	164	186	196	231	271	290								
Current cons. in A			1.26	1.48	1.67	1.75	2.08	2.45	2.61								
COP in W/W			0.99	1.10	1.20	1.24	1.41	1.57	1.64								



Accessories for NTY9FK	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 15 µF (compulsory)	e	117-7118
Protector (Texas Instruments)	f	117U3310 TI-4TM789KDBZZ-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