

NTX5.7FK

High Energy-optimized Compressor

R134a

115V 60Hz

SECOP

General

Code number	105G5651
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.							

Motor

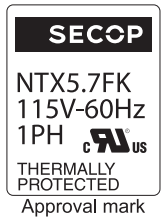
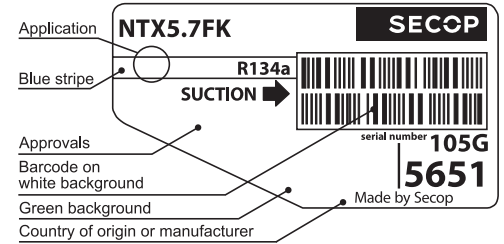
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST LST	A	–	10.9
Cut in Current, HST LST	A	–	21.2
Resistance, main start winding (77°F)	Ω	2.8	3.5

Design

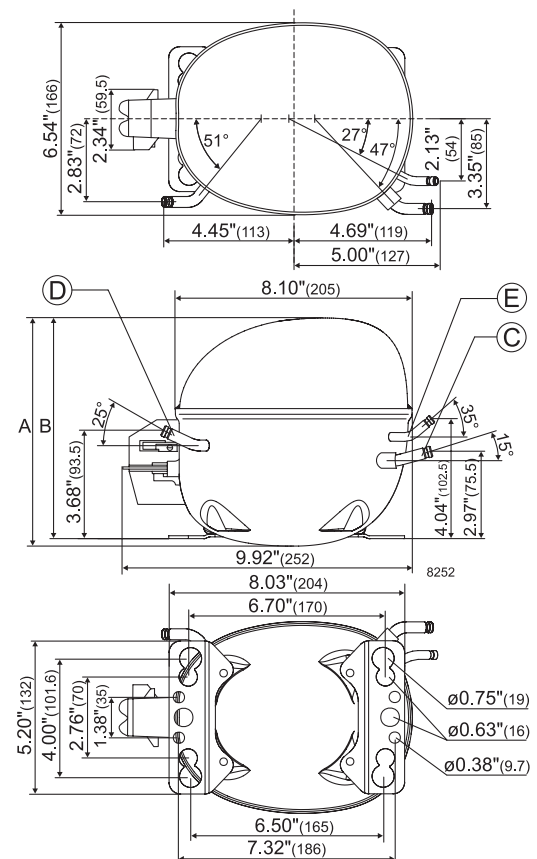
Displacement	cu.in	0.34
Oil quantity (type)	fl.oz.	9.2 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	79.5
Weight without electrical equipment	lbs.	24.9

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:			



- 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



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

EN 12900 Household (CECOMAF) Static cooling, with RC 15μF, 115V 60Hz, PTC consumption incl.

The diagram illustrates the assembly and electrical connection of the RSCR (Residual Current Resistor).

Assembly Components:

- b**: Control unit housing.
- e**: Resistor component.
- a1**: Terminal block.
- f**: Switch component.
- 8233**: Component number for the terminal block assembly.

Electrical Connection Diagram:

- The diagram shows the wiring for the **Main winding** and **Start winding**.
- Terminals **1**, **2**, **4**, and **3** are connected to the **a1** terminal block.
- The **Start winding** is connected to the **a1** terminal block and the **Start winding** terminal.
- The **Main winding** is connected to the **a1** terminal block and the **Motor protector**.
- The **Motor protector** is connected to the **Start winding** terminal and the **Start winding** terminal.
- The **Start winding** terminal is connected to the **Start winding** terminal.
- The **Start winding** terminal is connected to the **Start winding** terminal.

Secop can accept no responsibility for possible errors in catalogues, brochures and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without consequential changes being necessary in specifications already agreed.

All trademarks in this material are property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved. www.secop.com