

TTE3FK

Energy-optimized Compressor

R134a

115V 60Hz

Data Sheet (Replaces CG.42.V3.22)

General

Compressor		TTE3FK
Connector-material	Sealing	Code number
Copper-plated steel	Aluminium caps	
Copper-plated steel	Rubber plugs	102G3340
Copper	Rubber plugs	102G3341

Application

Application		LBP
Evaporating temperature range	°F (°C)	-31 to 23 (-35 to -5)
Voltage range	V/Hz	103 - 127 /60
Motor type		RSIR/RSCR
Max. ambient temperature	°F (°C)	110 (43)
Comp. cooling at max. ambient temperature	110°F (43°C)	S

Design

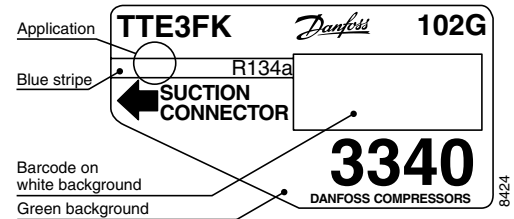
Displacement	cu.in. (cm ³)	0.19 (3.13)
Oil quantity	fl.oz. (cm ³)	6.1 (180)
Maximum refrigerant charge	oz. (g)	14.0 (400)
Free gas vol. in compressor housing	fl.oz. (cm ³)	54.2 (1600)
Weight without electrical equipment	lbs. (kg)	16.5 (7.5)

Motor

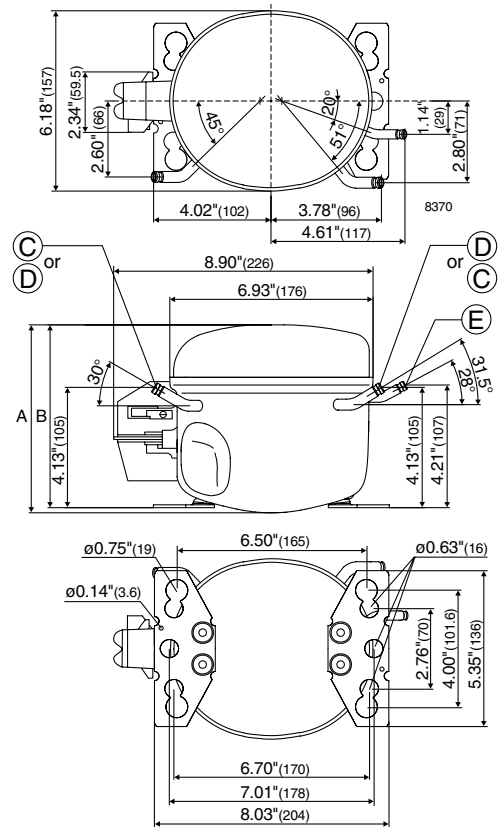
Motor size	watt	98
LRA (rated after 4 sec.UL984) LST	A	6.0
Cut-in current LST	A	16.0
Resistance, main and start winding (77°F)	Ω	5.4/4.2
Approvals		UL984/CSA-C22.2

Dimensions

Height	in. (mm)	A	6.42 (163)
		B	6.26 (159)
Suction connector	location/I.D. in. (mm)	C	0.252-0.259 (6.5±0.09)
Process connector	location/I.D. in. (mm)	D	0.252-0.259 (6.5±0.09)
Discharge connector	location/I.D. in. (mm)	E	0.189-0.193 (4.9+0.10/-0)
Compressors on a pallet	pcs.		125



- S = Static cooling normally sufficient
- O = Oil cooling
- F₁ = Fan cooling 1.5 m/s (compressor compartment temp. equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary



Capacity (ASHRAE)

	Btu/h						
Comp. °F	-30	-20	-13	-10	0	10	20
Comp. °C	-34.4	-28.9	-25	-23.3	-17.8	-12.2	-6.7
TTE3FK	110	181	248	280	400	550	650

Capacity (EN 12900/CECOMAF)

	watt						
Comp. °C	-34.4	-28.9	-25	-23.3	-17.8	-12.2	-6.7
Comp. °F	-30	-20	-13	-10	0	10	20
TTE3FK	26	42	58	66	94	130	154

Power consumption

	watt						
Comp. °F	-30	-20	-13	-10	0	10	20
Comp. °C	-34.4	-28.9	-25	-23.3	-17.8	-12.2	-6.7
TTE3FK			68	72			

Current consumption

	A						
1Comp. °F	-30	-20	-13	-10	0	10	20
Comp. °C	-34.4	-28.9	-25	-23.3	-17.8	-12.2	-6.7
TTE3FK			1.13	1.15			

EER (ASHRAE)

	Btu/Wh						
Comp. °F	-30	-20	-13	-10	0	10	20
Comp. °C	-34.4	-28.9	-25	-23.3	-17.8	-12.2	-6.7
TTE3FK			3.63	3.90			

COP (EN 12900/CECOMAF)

	W/W						
Comp. °C	-34.4	-28.9	-25	-23.3	-17.8	-12.2	-6.7
Comp. °F	-30	-20	-13	-10	0	10	20
TTE3FK			0.86	0.92			

Test conditions
 Condensing temperature ASHRAE 130°F (54.4°C) EN 12900/CECOMAF 55°C (131°F)
 Ambient and suction gas temp. 90°F (32°C) 32°C (90°F)
 Liquid temperature 90°F (32°C) 55°C (131°F)
 Static cooling, with RC 15 µF, 115V 60Hz, PTC consumption incl., preliminary data

Accessories

Devices	Fig.	TTE3FK
PTC starting device (Texas Instr.) with reduced loss of energy	a1	117U6102
		TI 8EA 4B3
PTC starting device (Siemens) with reduced loss of energy	a1 (w. RC) (alternative)	117U6106
		J506-A120-A320
PTC starting device (Siemens) with reduced loss of energy	a1 (w.o. RC) (alternative)	117U6105
		J506-A120-A120
Cover	b	117U1026
Run capacitor 15 µF (optional)	e	117-7118
Protector (Texas Instruments)	f	117U3313
		TI-4TM265NFBYY-53
Mounting accessories	Ø in. (mm)	
Bolt joint for one compressor	5/8 (16)	118-1946
Bolt joint for one compressor	3/4 (19)	118-1949
Snap-on for one compressor	5/8 (16)	118-1947

