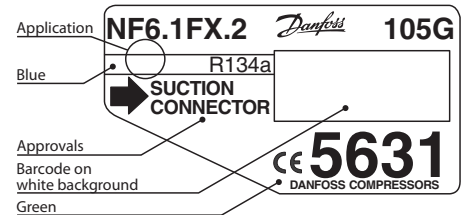


NF6.1FX.2 LBP/MBP Compressor R134a 115 - 127 V 60 Hz



General

Code number	105G5631
Approvals	UL984/CSA-C22.2
Compressors on a pallet	80



Application

Application	LBP/MBP	
	50 Hz	60 Hz
Frequency	50 Hz	60 Hz
Evaporating temperature	-	-35 ≤ t ≤ 7,2 °C
Voltage range	-	95 - 135 V
Max. condensing temperature continuous (short)	-	60 (70) °C
Max. winding temperature continuous (short)	-	125(135) °C



Cooling requirements

Frequency	50 Hz			60 Hz		
	LBP	MBP	HBP	LBP	MBP	HBP
32 °C	-	-	-	F1	F1	-
38 °C	-	-	-	F1	F1	-
43 °C	-	-	-	F1	F1	-
Remarks on application:						

- 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

Motor

Motor type	CSIR	
LRA (rated after 4 sec. UL984), HST LST	22.2 A	-
Cut-in current, HST LST	22.2 A	-
Resistance, main start winding (25 °C)	2 Ω	3.1 Ω

Design

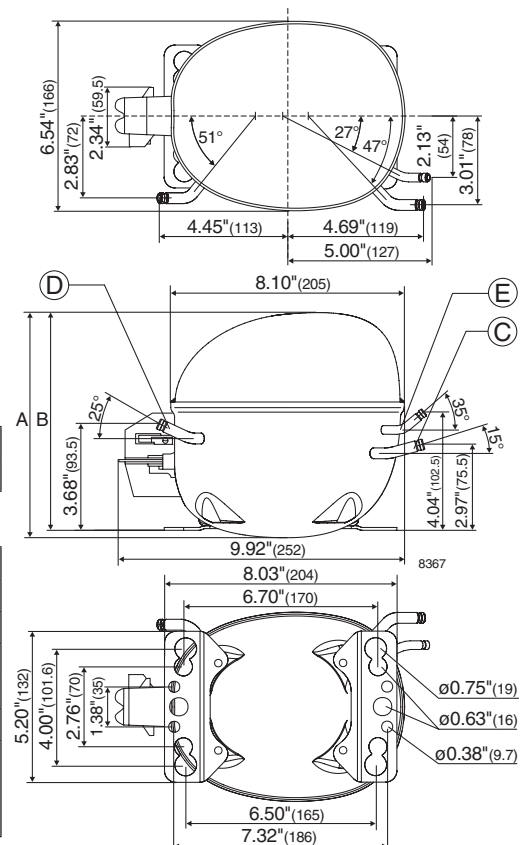
Displacement	6.13 cm ³
Oil quantity	320 cm ³
Oil type	POE
Maximum refrigerant charge	0.4 kg
Free gas volume in compressor	2360 cm ³
Weight without electrical equipment	10 kg

Dimensions

Height	A	B		
	197 mm	191 mm	-	-

Connectors

		I.D.	Angle	Material	Sealing
Suction	C	8.2 mm	15°	Cu-plated steel	Rubber plug
Process	D	6.5 mm	25°	Cu-plated steel	Rubber plug
Discharge	E	6.5 mm	35°	Cu-plated steel	Rubber plug
Oil cooling	F	-	-	-	-
Connector tolerance					+/- 0.09 mm
Remarks: -					



EN 12900 Household R134a 115 V 60 Hz

$t_c=55\text{ }^\circ\text{C}$, $t_s=32\text{ }^\circ\text{C}$, $\Delta T_{sh}=-$, $t_i=-$, $\Delta T_{sc}=0\text{ K}$, $t_g=32\text{ }^\circ\text{C}$, F1

Evap. temp. in $^\circ\text{C}$	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			69.1	107	153	171	208	274	352	410	442	547	666	723			
Power cons. in W			117	144	169	178	193	217	240	256	264	289	316	329			
Current cons. in A			2.44	2.53	2.62	2.66	2.73	2.86	3.00	3.10	3.15	3.32	3.50	3.58			
COP in W/W			0.59	0.74	0.90	0.96	1.08	1.27	1.47	1.60	1.68	1.89	2.11	2.20			

ASHRAE LBP R134a 115 V 60 Hz

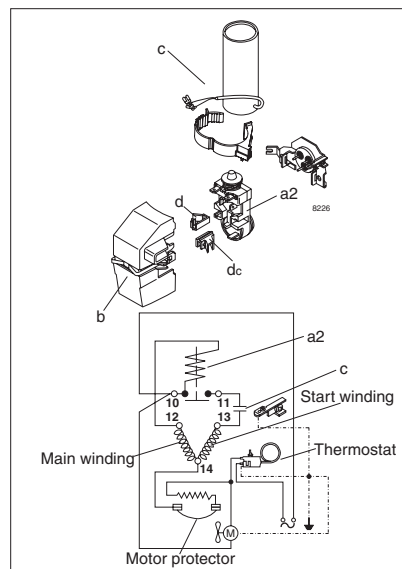
$t_c=54,4\text{ }^\circ\text{C}$, $t_s=32\text{ }^\circ\text{C}$, $\Delta T_{sh}=-$, $t_i=32\text{ }^\circ\text{C}$, $\Delta T_{sc}=-$, $t_g=32\text{ }^\circ\text{C}$, F1

Evap. temp. in $^\circ\text{C}$	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			86.1	133	190	212	259	341	437	509	549	679	828	900			
Power cons. in W			118	145	170	178	193	216	239	255	263	288	315	327			
Current cons. in A			2.45	2.53	2.62	2.66	2.73	2.85	2.99	3.09	3.14	3.31	3.49	3.57			
COP in W/W			0.73	0.92	1.12	1.19	1.34	1.58	1.83	2.00	2.09	2.36	2.63	2.75			

ASHRAE MBP R134a 115 V 60 Hz

$t_c=54,4\text{ }^\circ\text{C}$, $t_s=35\text{ }^\circ\text{C}$, $\Delta T_{sh}=-$, $t_i=46,1\text{ }^\circ\text{C}$, $\Delta T_{sc}=-$, $t_g=35\text{ }^\circ\text{C}$, F1

Evap. temp. in $^\circ\text{C}$	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			76.7	118	169	189	230	303	389	453	488	603	734	798			
Power cons. in W			118	145	170	178	193	216	239	255	263	288	315	327			
Current cons. in A			2.45	2.53	2.62	2.66	2.73	2.85	2.99	3.09	3.14	3.31	3.49	3.57			
COP in W/W			0.65	0.82	1.00	1.06	1.19	1.40	1.62	1.78	1.86	2.09	2.33	2.44			



Accessories	105G5631	Fig.	Code number
Cover		b	117U1021
Cord Relief		d	117U0349
Starting relay CSIR/CSR		a2	117U4127
Protector CSIR/CSR type			MRP36AEN-6
Start capacitor 280 μF		c	117U5025
Remarks: 2 cord reliefs needed			

Mounting accessories	Code number
Bolt joint for one compressor (16 mm)	118-1946
Snap-on for one compressor (16 mm)	118-1947
Bolt joint in quantities (19 mm)	118-1949

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