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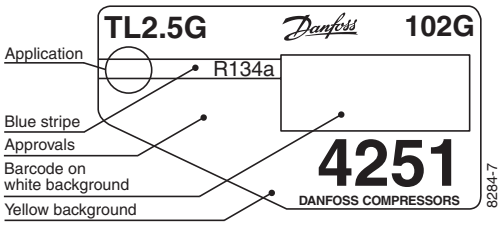
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TL2.5G
Universal Compressor
R134a
220-240V 50/60Hz





Approval mark

General

Code number	102G4251
Approvals	EN 60335-2-34 w. Annex AA UL984, CSA-C22.2
Compressors on pallet	125

Application

Application		LBP/HBP	
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to 15	-35 to 15
Voltage range	V	187 - 254	198 - 254
Max. condensing temperature continuous (short)	°C	60 (70)	60 (70)
Max. winding temperature continuous (short)	°C	125 (135)	125 (135)

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	S	S	S	S	S
38°C		S	S	S	S	S	S
43°C		S	S	F_2	S	S	F_2
Remarks on application:	HBP 50Hz: 198 - 254V HBP 60Hz: 207 - 254V						

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

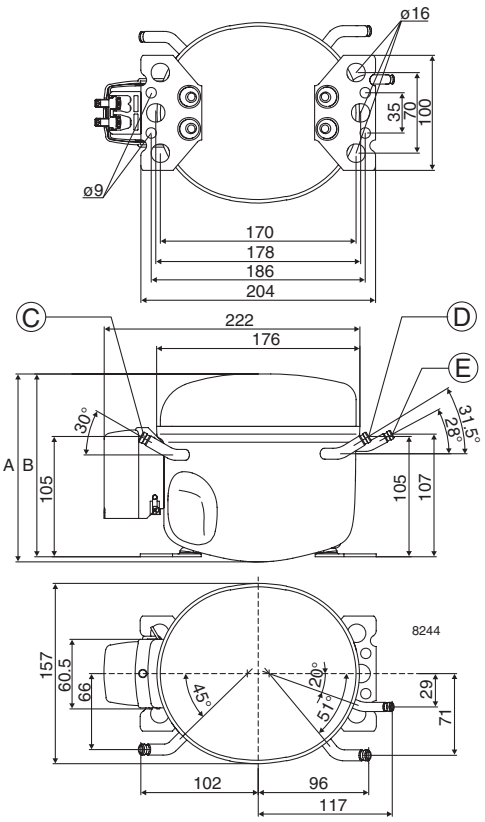
Motor type		RSIR/CSIR	
LRA (rated after 4 sec. UL984), HST | LST	A	4.5	2.8
Cut in Current, HST | LST	A	4.5	7.2
Resistance, main | start winding (25°C)	Ω	32.7	15.5

Design

Displacement	cm^3	2.61
Oil quantity (type)	cm^3	280 (polyolester)
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm^3	1600
Weight without electrical equipment	kg	6.7

Dimensions

Height	mm	A	163	
		B	159	
		B1	–	
		B2	–	
Suction connector	location/I.D. mm | angle	C	6.2 | 30°	
	material | comment		Cu-plated steel | Al caps	
Process connector	location/I.D. mm | angle	D	6.2 | 31.5°	
	material | comment		Cu-plated steel | Al caps	
Discharge connector	location/I.D. mm | angle	E	5.0 | 28°	
	material | comment		Cu-plated steel | Al caps	
Oil cooler connector	location/I.D. mm | angle	F	–	
	material | comment		–	
Connector tolerance	I.D. mm		±0.09, on 5.0 +0.12/+0.20	
Remarks:				



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EN 12900 Household (CECOMAF) 220V, 50Hz, static cooling

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			11.0	22.4	35.5	40.5	50.9	69.0	90.4	107	116	145	179	196	219	264	
Power cons. in W			47.6	53.1	59.6	62.0	67.0	75.1	83.9	90.0	93.3	103	113	118	124	134	
Current cons. in A			0.48	0.49	0.50	0.51	0.52	0.53	0.55	0.57	0.58	0.60	0.63	0.64	0.66	0.70	
COP in W/W			0.23	0.42	0.60	0.65	0.76	0.92	1.08	1.18	1.24	1.41	1.58	1.66	1.77	1.97	

EN 12900 Household (CECOMAF) 220V, 60Hz, static cooling

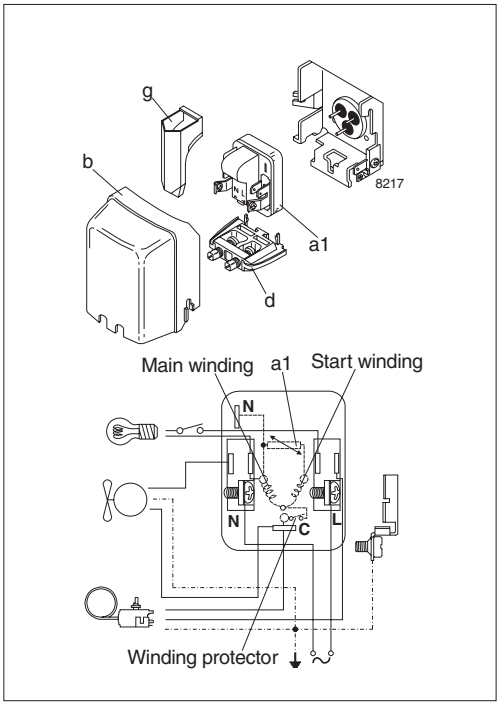
Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			13.5	26.7	41.9	47.6	59.6	80.5	105	124	134	168	208	227	253	306	
Power cons. in W			53.2	59.8	67.5	70.4	76.3	85.9	96.3	104	107	119	131	137	144	156	
Current cons. in A			0.46	0.47	0.48	0.49	0.50	0.51	0.53	0.55	0.55	0.58	0.61	0.62	0.64	0.67	
COP in W/W			0.25	0.45	0.62	0.68	0.78	0.94	1.09	1.19	1.25	1.41	1.58	1.66	1.77	1.96	

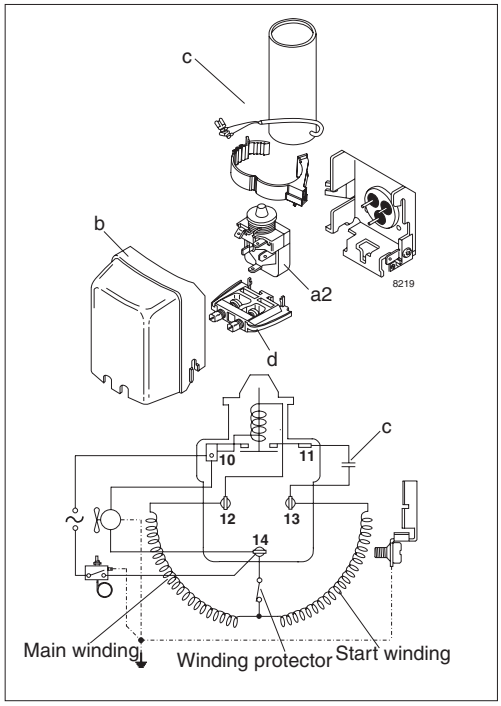
ASHRAE LBP 220V, 50Hz, static cooling

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			14.3	28.4	44.6	50.7	63.6	86.1	113	133	144	181	224	245	274	331	
Power cons. in W			47.5	53.0	59.5	61.9	66.9	75.0	83.7	89.8	93.0	103	113	117	123	134	
Current cons. in A			0.48	0.49	0.50	0.50	0.51	0.53	0.55	0.57	0.58	0.60	0.63	0.64	0.66	0.69	
COP in W/W			0.30	0.53	0.75	0.82	0.95	1.15	1.35	1.48	1.55	1.76	1.98	2.09	2.22	2.48	

ASHRAE LBP 220V, 60Hz, static cooling

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			17.5	33.8	52.5	59.5	74.4	100	131	154	167	210	259	284	317	383	
Power cons. in W			53.1	59.7	67.4	70.2	76.1	85.7	96.1	103	107	119	131	136	143	155	
Current cons. in A			0.46	0.47	0.48	0.49	0.50	0.51	0.53	0.55	0.55	0.58	0.61	0.62	0.64	0.67	
COP in W/W			0.33	0.57	0.78	0.85	0.98	1.17	1.36	1.49	1.56	1.77	1.99	2.09	2.22	2.47	





Accessories for	TL2.5G	Figure	Code number
PTC starting device	6.3 mm spade connectors	a1	103N0011
	4.8 mm spade connectors		103N0018
Starting relay	6.3 mm spade connectors	a2	117U6007
Cover		b	103N2011
Start. capacitor 80 µF	6.3 mm spade connectors	c	117U5014
Cord relief		d	103N1010
Protection screen for PTC		g	103N0476

Test conditions	EN 12900/CECOMAF	ASHRAE
Condensing temperature	55°C	54.4°C
Ambient temperature	32°C	32°C
Suction gas temperature	32°C	32°C
Liquid temperature	no subcooling	32°C

Mounting accessories		Code number
Bolt joint for one compressor	Ø: 16 mm	118-1917
Bolt joint in quantities	Ø: 16 mm	118-1918
Snap-on in quantities	Ø: 16 mm	118-1919

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