



г. Ростов-на-Дону, пр-кт 40-Летия Победы 99

Тел. +7 (863)303-39-41

Сайт: zip161.ru

Email: info@zip161.ru

New!

НИЗКОТЕМПЕРАТУРНЫЕ КОМПРЕССОРЫ **SECOP**

Поршневые, низкотемпературные компрессоры для бытовых холодильников, холодильных и морозильных ларей и шкафов.

Марка компрессора	Код заказа	Объем цилиндров, см ³	Холодопроизводительность, Вт, R134a (Тк = 54,4 C)		Напряжение питания	Высота, мм		
			To = - 15 C	To = -23, 3 C				
GVM38AT	04 15 40	3,86	144	88	220-240V 50Hz	173		
GVM44AT	04 15 41	5,08	209	134		173		
GVM57AT	04 15 42	5,7	248	163		173		
GVM66AT	04 15 43	6,49	282	183		173		
GVY75AN	04 15 44	8,35	339	219		190		



Надежность!

Экологичность!

Максимальная эффективность!

GVM38AT

Tropical Compressor

R134a

220-240V 50Hz

General

Code number	102A4901
Approvals	EN 60335-2-34
Compressors on pallet	125

Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -10	–
Voltage range	V	187 - 254	–
Max. condensing temperature continuous (short)	°C	60 (70)	–
Max. winding temperature continuous (short)	°C	125 (135)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	–	–	–	–	–
38°C		S	–	–	–	–	–
43°C		S	–	–	–	–	–

Remarks on application: In capillary tube systems where non-equalized pressures may occur at compressor start, or in areas with short power supply drop-outs, a starting capacitor can be used for ensuring a successful start (CSIR)

Motor

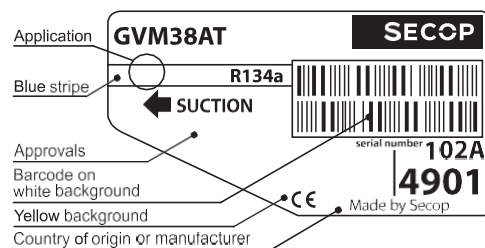
Motor type		RSIR	
LRA (rated after 4 sec. UL984), HST LST	A	5.8	4.9
Cut in Current, HST LST	A	5.8	8.7
Resistance, main start winding (25°C)	Ω	16.0	17.0

Design

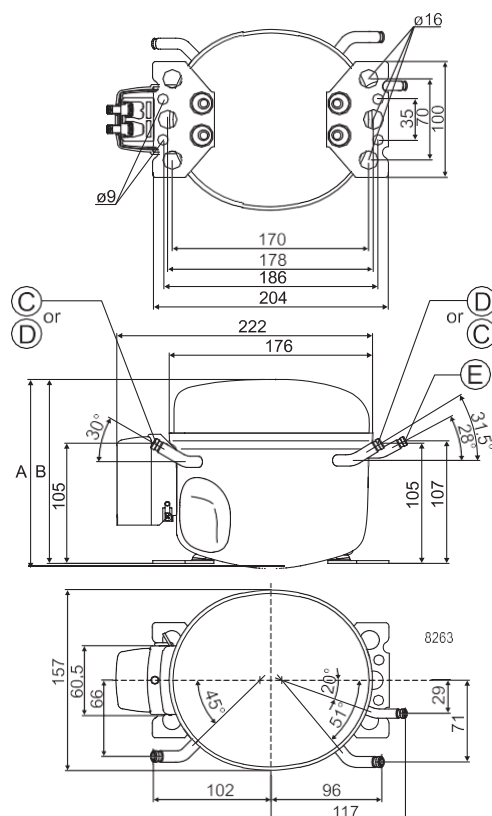
Displacement	cm ³	3.86
Oil quantity (type)	cm ³	180 (polyolester)
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm ³	1790
Weight without electrical equipment	kg	7.5

Dimensions

Height	mm	A	173
		B	169
		B1	–
		B2	–
Suction connector	location/I.D. mm angle	C	6.2 30°
	material comment		Copper Rubber plug
Process connector	location/I.D. mm angle	D	6.2 31.5°
	material comment		Copper Rubber plug
Discharge connector	location/I.D. mm angle	E	5.0 28°
	material comment		Copper Rubber plug
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:			



- 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

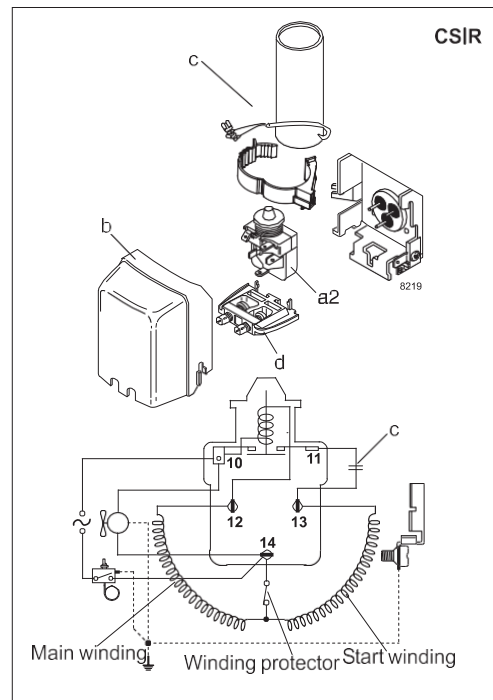
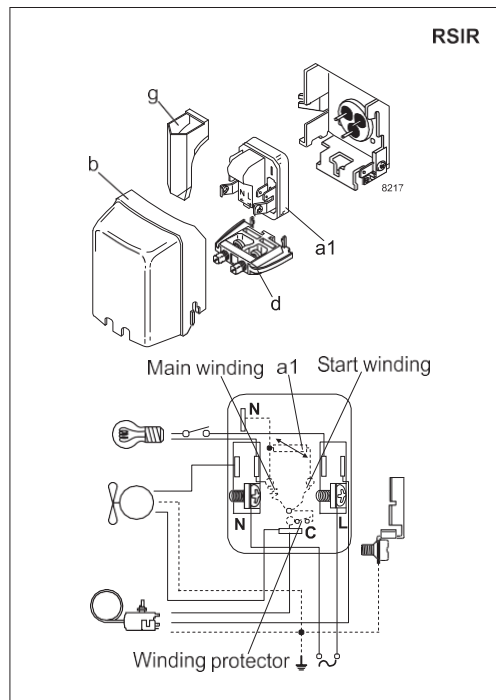


EN 12900 Household (CECOMAF) 220V, 50Hz, static cooling, PTC consumption incl.

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			27	43	63	71	88	117	152								
Power cons. in W			68	77	87	91	99	110	123								
Current cons. in A			0.78	0.79	0.82	0.82	0.84	0.87	0.91								
COP in W/W			0.40	0.56	0.72	0.78	0.89	1.06	1.24								

ASHRAE LBP 220V, 50Hz, static cooling, PTC consumption incl.

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			34	53	78	88	108	144	188								
Power cons. in W			68	77	87	91	99	110	123								
Current cons. in A			0.78	0.79	0.82	0.82	0.84	0.87	0.91								
COP in W/W			0.49	0.69	0.89	0.96	1.10	1.31	1.53								



Accessories for	GVM38AT	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	117U6004
Start capacitor 60 µF	6.3 mm spade connectors	c	117U5014
Cover		b	103N2010
Cord relief		d	103N1010
Protection screen for PTC		g	103N0476

Test conditions	EN 12900/ CECOMAF	ASHRAE
Condensing temperature	55°C	55°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 comp.	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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GVM44AT

Tropical Compressor

R134a

220-240V 50Hz

General

Code number	102A4902
Approvals	EN 60335-2-34
Compressors on pallet	125

Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -10	–
Voltage range	V	187 - 254	–
Max. condensing temperature continuous (short)	°C	60 (70)	–
Max. winding temperature continuous (short)	°C	125 (135)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	–	–	–	–	–
38°C		S	–	–	–	–	–
43°C		S	–	–	–	–	–

Remarks on application: In capillary tube systems where non-equalized pressures may occur at compressor start, or in areas with short power supply drop-outs, a starting capacitor can be used for ensuring a successful start (CSIR).

Motor

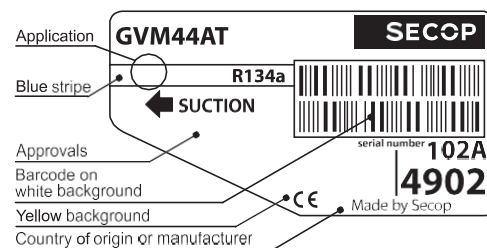
Motor type	RSIR/CSIR		
LRA (rated after 4 sec. UL984), HST LST	A	5.7	5.4
Cut in Current, HST LST	A	5.7	9.7
Resistance, main start winding (25°C)	Ω	14.5	14.8

Design

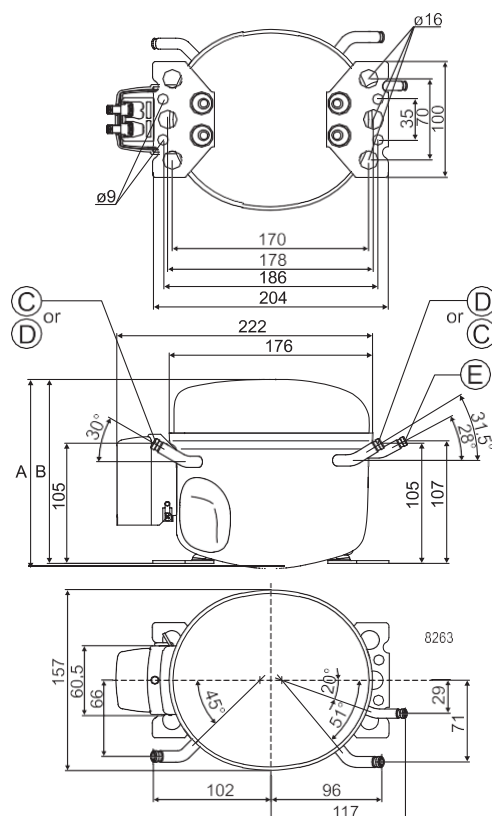
Displacement	cm ³	5.08
Oil quantity (type)	cm ³	180 (polyolester)
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm ³	1790
Weight without electrical equipment	kg	7.5

Dimensions

Height	mm	A	173
		B	169
		B1	–
		B2	–
Suction connector	location/I.D. mm angle	C	6.2 30°
	material comment		Copper Rubber plug
Process connector	location/I.D. mm angle	D	6.2 31.5°
	material comment		Copper Rubber plug
Discharge connector	location/I.D. mm angle	E	5.0 28°
	material comment		Copper Rubber plug
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:			



- 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

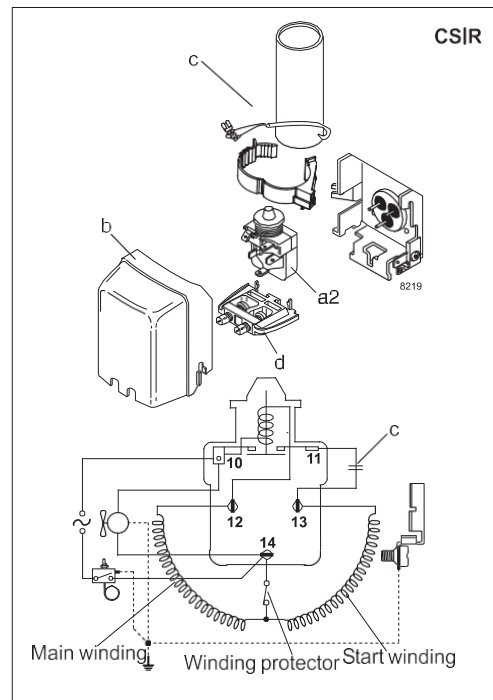
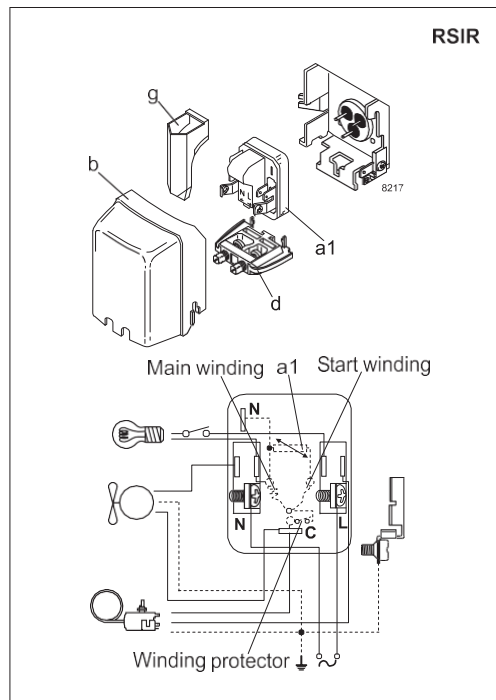


EN 12900 Household (CECOMAF) 220V, 50Hz, static cooling, PTC consumption incl.

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			47.8	70.7	98.0	109	131	170	216								
Power cons. in W			84.5	99.2	114	120	131	147	165								
Current cons. in A			0.96	0.98	1.01	1.02	1.05	1.10	1.15								
COP in W/W			0.57	0.71	0.86	0.91	1.00	1.15	1.30								

ASHRAE LBP 220V, 50Hz, static cooling, PTC consumption incl.

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			58.9	87.2	121	134	161	209	267								
Power cons. in W			84.5	99.2	114	120	131	147	165								
Current cons. in A			0.96	0.98	1.01	1.02	1.05	1.10	1.15								
COP in W/W			0.70	0.88	1.06	1.12	1.24	1.42	1.61								



Accessories for	GVM44AT	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	117U6000
Start capacitor 60 µF	6.3 mm spade connectors	c	117U5014
Cover		b	103N2010
Cord relief		d	103N1010
Protection screen for PTC		g	103N0476

Test conditions	EN 12900/ CECOMAF	ASHRAE
Condensing temperature	55°C	55°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 comp.	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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GVM57AT

Energy-optimized Tropical Compressor

R134a

220-240V 50Hz

General

Code number	102A4903
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	125

Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -10	–
Voltage range	V	187 - 254	–
Max. condensing temperature continuous (short)	°C	60 (70)	–
Max. winding temperature continuous (short)	°C	125 (135)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	–	–	–	–	–
38°C		S	–	–	–	–	–
43°C		S	–	–	–	–	–
Remarks on application:							

Motor

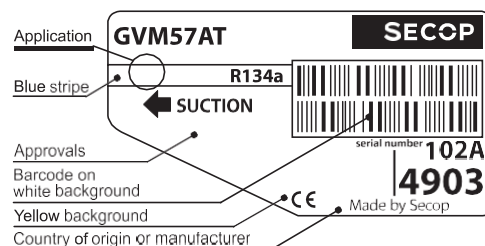
Motor type	RSIR/RSCR/CSIR		
LRA (rated after 4 sec. UL984), HST LST	A	5.9	5.5
Cut in Current, HST LST	A	5.9	10.1
Resistance, main start winding (25°C)	Ω	13.2	14.8

Design

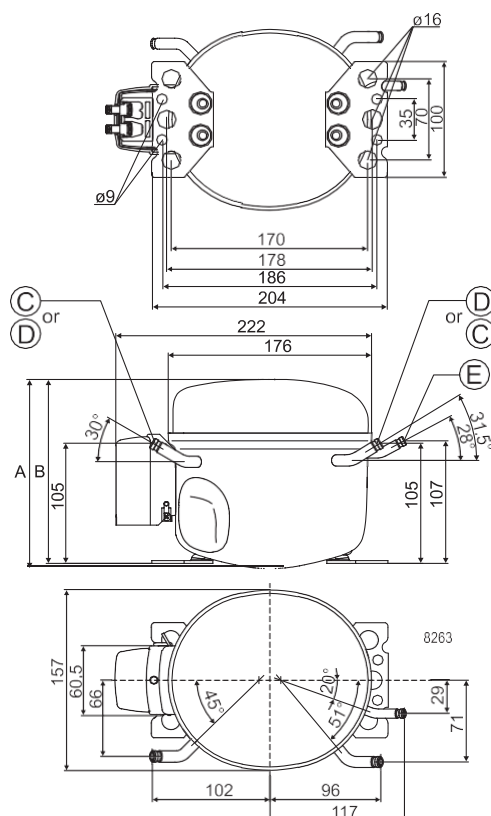
Displacement	cm³	5.70
Oil quantity (type)	cm³	180 (polyolester)
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm³	1790
Weight without electrical equipment	kg	7.5

Dimensions

Height	mm	A	173
		B	169
		B1	–
		B2	–
Suction connector	location/I.D. mm angle	C	6.2 30°
	material comment	Copper Rubber plug	
Process connector	location/I.D. mm angle	D	6.2 31.5°
	material comment	Copper Rubber plug	
Discharge connector	location/I.D. mm angle	E	5.0 28°
	material comment	Copper Rubber plug	
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:			



- 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



EN 12900 Household (CECOMAF) 220V, 50Hz, 2 W PTC consumption incl., 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			66.3	90.3	120	132	156	200	253								
Power cons. in W			90.0	105	120	125	136	152	170								
Current cons. in A			0.89	0.92	0.96	0.97	1.00	1.06	1.13								
COP in W/W			0.74	0.86	1.00	1.05	1.15	1.32	1.48								

EN 12900 Household (CECOMAF) 220V, 50Hz, RC 4µF, 2 W PTC consumption incl., static cooling

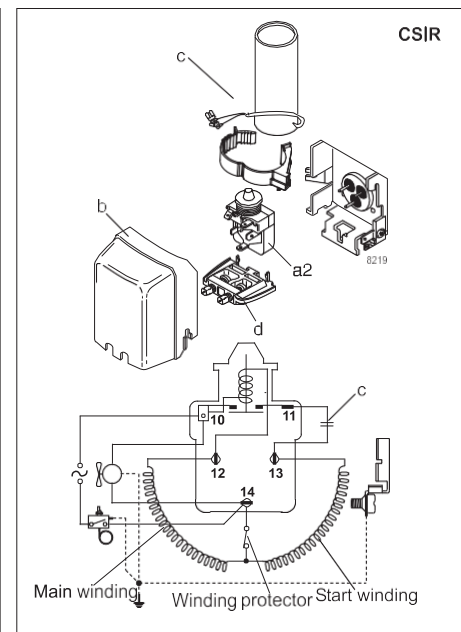
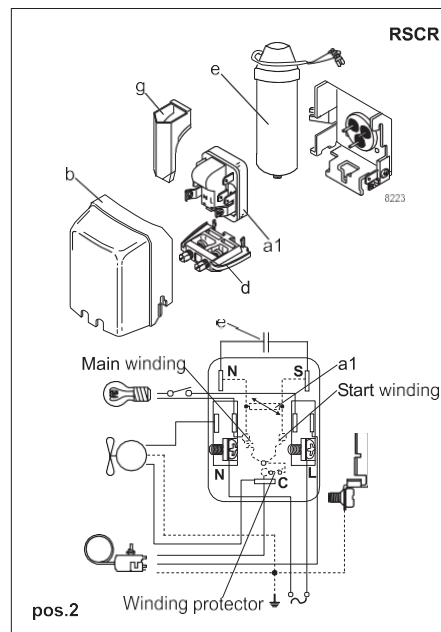
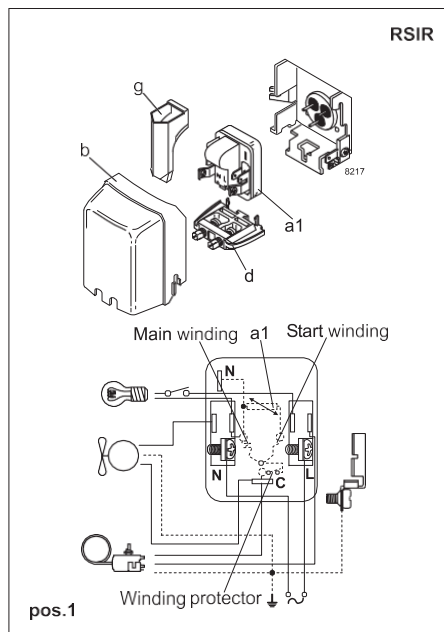
Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			66.3	90.3	120	132	156	200	253								
Power cons. in W			87.6	101	115	120	130	146	163								
Current cons. in A			0.61	0.65	0.70	0.71	0.75	0.82	0.89								
COP in W/W			0.76	0.89	1.04	1.09	1.20	1.37	1.55								

ASHRAE LBP 220V, 50Hz, 2 W PTC consumption incl., 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			82.3	112	149	163	194	248	314								
Power cons. in W			90.1	105	120	125	135	152	170								
Current cons. in A			0.89	0.92	0.96	0.97	1.00	1.06	1.12								
COP in W/W			0.91	1.07	1.24	1.31	1.43	1.64	1.85								

ASHRAE LBP 220V, 50Hz, RC 4µF, 2 W PTC consumption incl., 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			82.3	112	149	163	194	248	314								
Power cons. in W			87.8	101	115	120	130	145	162								
Current cons. in A			0.61	0.65	0.69	0.71	0.75	0.81	0.89								
COP in W/W			0.94	1.10	1.29	1.36	1.49	1.71	1.94								



Accessories for	GVM57AT	Figure	Code number
PTC starting device	6.3 mm spade connectors	a1	103N0011
	4.8 mm spade connectors	(pos. 1)	103N0018
PTC starting device	6.3 mm spade connectors	a1	103N0016
	4.8 mm spade connectors	(pos. 2)	103N0021
Starting relay	6.3 mm spade connectors	a2	117U6004
Start capacitor 60 µF	6.3 mm spade connectors	c	117U5014
Cover		b	103N2010
Cord relief		d	103N1010
Run capacitor	6.3 mm spade connectors	e	117-7117
	4 µF (optional)		117-7119
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 comp.	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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GVM66AT

Energy-optimized Tropical Compressor

R134a

220-240V 50Hz

General

Code number	102A4900
Approvals	CB - IEC 60335-2-34
Compressors on pallet	125

Application

Application	LBP			
Frequency	Hz	50	60	
Evaporating temperature	°C	-35 to -10	-35 to -10	
Voltage range	V	187 - 254	207 - 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
32°C		S	–	–
38°C		S	–	–
43°C		S	–	–
Remarks on application: Run capacitor 4 µF strongly recommended at 60Hz LST				

Motor

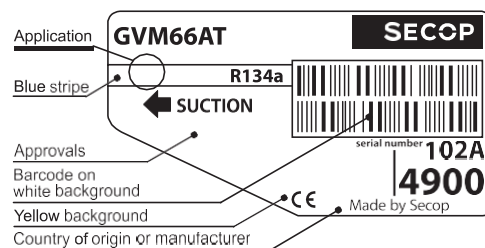
Motor type		RSIR/RSCR/CSIR	
LRA (rated after 4 sec. UL984), HST LST	A	8.9	7.6
Cut in Current, HST LST	A	8.9	11.0
Resistance, main start winding (25°C)	Ω	9.7	25.0

Design

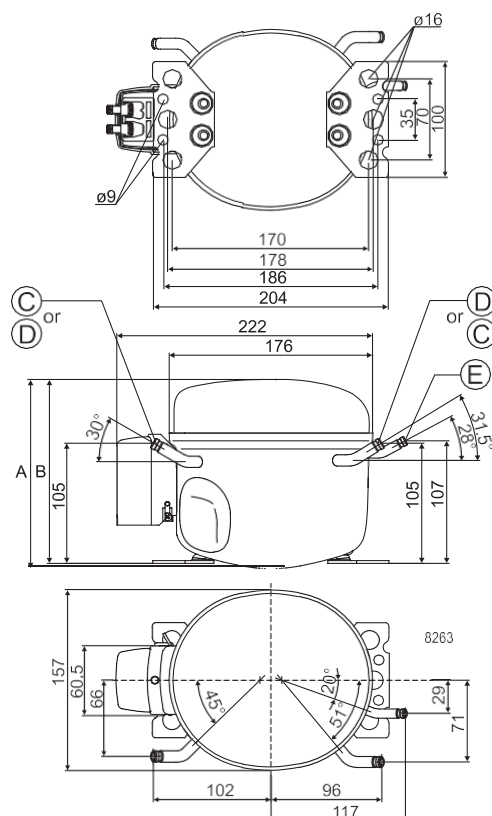
Displacement	cm³	6.49
Oil quantity (type)	cm³	180 (polyolester)
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm³	1790
Weight without electrical equipment	kg	8.3

Dimensions

Height	mm	A	173
		B	169
		B1	–
		B2	–
Suction connector	location/I.D. mm angle	C	6.2 30°
	material comment		Copper Rubber plug
Process connector	location/I.D. mm angle	D	6.2 31.5°
	material comment		Copper Rubber plug
Discharge connector	location/I.D. mm angle	E	5.0 28°
	material comment		Copper Rubber plug
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:			



- 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



EN 12900 Household (CECOMAF) 220V, 50Hz, 2 W PTC consumption incl., 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			71.6	99.5	134	147	176	228	290								
Power cons. in W			107	125	142	148	160	179	200								
Current cons. in A			1.07	1.11	1.17	1.19	1.23	1.31	1.39								
COP in W/W			0.67	0.80	0.94	0.99	1.10	1.27	1.45								

EN 12900 Household (CECOMAF) 220V, 50Hz, RC 4µF, 2W PTC consumption incl., static cooling

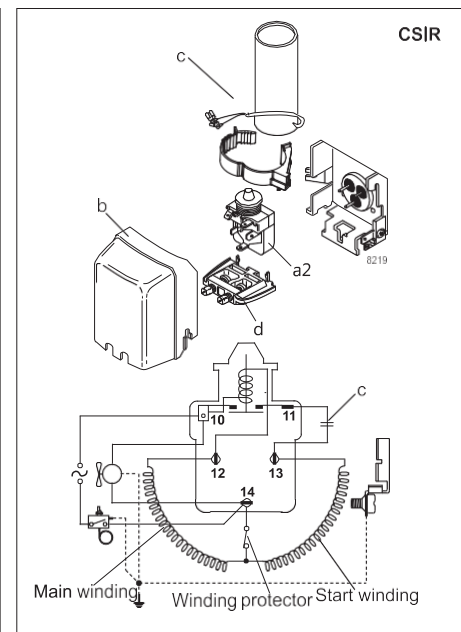
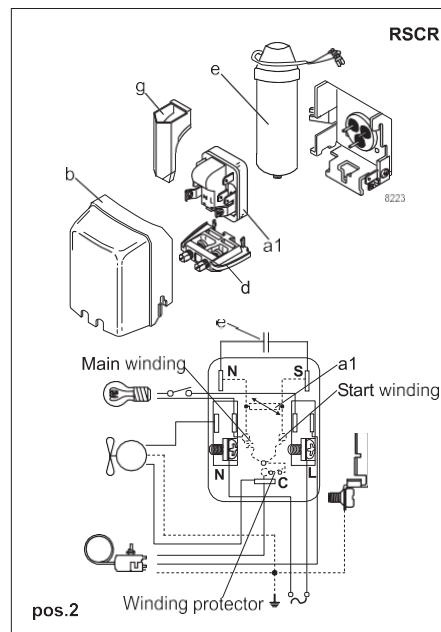
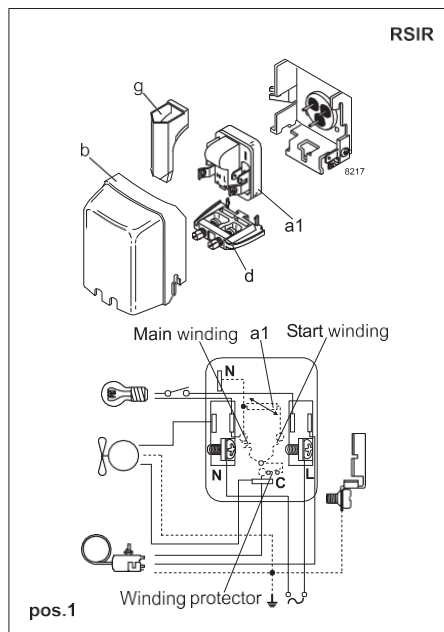
Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			71.6	99.5	134	147	176	228	290								
Power cons. in W			99.5	116	133	138	149	166	186								
Current cons. in A			0.69	0.74	0.80	0.82	0.87	0.94	1.03								
COP in W/W			0.72	0.85	1.01	1.07	1.19	1.37	1.56								

ASHRAE LBP 220V, 50Hz, 2W PTC consumption incl., 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			88.7	123	166	183	218	282	359								
Power cons. in W			107	125	142	148	160	178	199								
Current cons. in A			1.07	1.11	1.17	1.19	1.23	1.30	1.38								
COP in W/W			0.83	0.98	1.17	1.23	1.37	1.58	1.80								

ASHRAE LBP 220V, 60Hz, RC 4µF, 2W PTC consumption incl., 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			104	145	195	214	256	331	422								
Power cons. in W			114	133	151	160	169	189	211								
Current cons. in A			0.58	0.65	0.73	0.76	0.82	0.93	1.04								
COP in W/W			0.92	1.09	1.29	1.37	1.52	1.75	2.00								



Accessories for	GVM66AT	Figure	Code number
PTC starting device	6.3 mm spade connectors	a1	103N0011
	4.8 mm spade connectors	(pos. 1)	103N0018
PTC starting device	6.3 mm spade connectors	a1	103N0016
	4.8 mm spade connectors	(pos. 2)	103N0021
Starting relay	6.3 mm spade connectors	a2	117U6016
Start capacitor 60 µF	6.3 mm spade connectors	c	117U5014
Cover		b	103N2010
Cord relief		d	103N1010
Run capacitor	6.3 mm spade connectors	e	117-7117
	4 µF (optional)		117-7119
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 comp.	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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GVY75AN

Tropical Compressor

R134a

220-240V 50Hz

General

Code number	105A4950
Approvals	EN 60335-2-34 , CCC
Compressors on pallet	80

Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -10	–
Voltage range	V	187 - 254	–
Max. condensing temperature continuous (short)	°C	60 (70)	–
Max. winding temperature continuous (short)	°C	125 (135)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	–	–	–	–	–
38°C		F1	–	–	–	–	–
43°C		F1	–	–	–	–	–

Remarks on application: In capillary tube systems where non-equalized pressures may occur at compressor start, or in areas with short power supply drop-outs, a starting capacitor can be used for ensuring a successful start (CSIR)

Motor

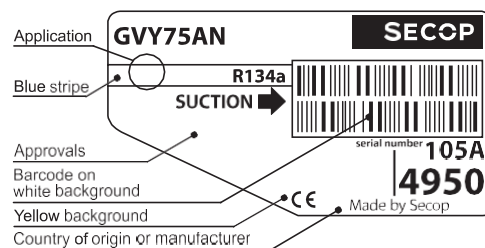
Motor type		RSIR/CSIR	
LRA (rated after 4 sec. UL984), HST LST	A	9.4	7.5
Cut in Current, HST LST	A	9.4	11.6
Resistance, main start winding (25°C)	Ω	10.6	18.1

Design

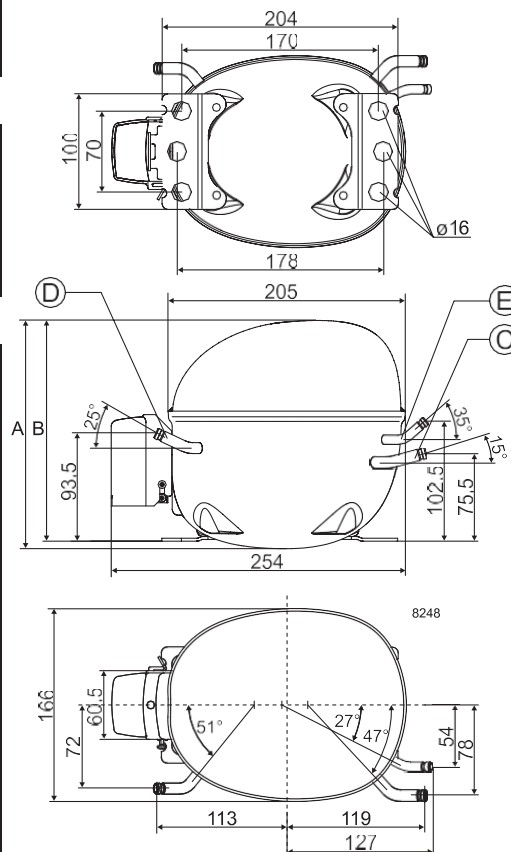
Displacement	cm ³	8.35
Oil quantity (type)	cm ³	270
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm ³	2230
Weight without electrical equipment	kg	9.6

Dimensions

Height	mm	A	190
		B	184
		B1	–
		B2	–
Suction connector	location/I.D. mm angle	C	6.2 15°
	material comment		Copper Rubber plug
Process connector	location/I.D. mm angle	D	6.2 25°
	material comment		Copper Rubber plug
Discharge connector	location/I.D. mm angle	E	5.0 35°
	material comment		Copper Rubber plug
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:			



- 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

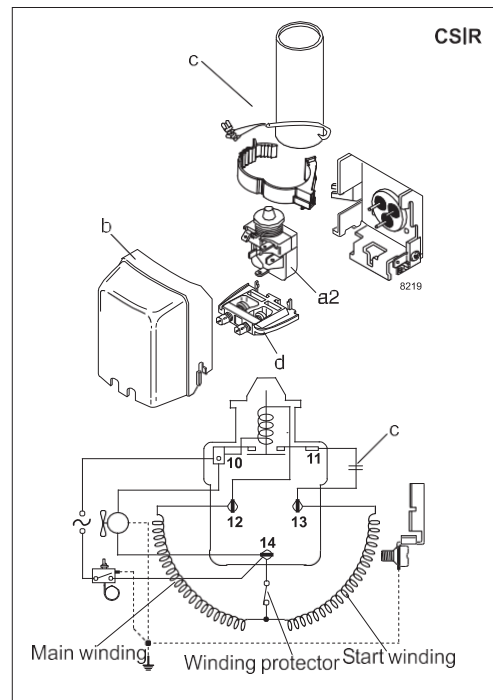
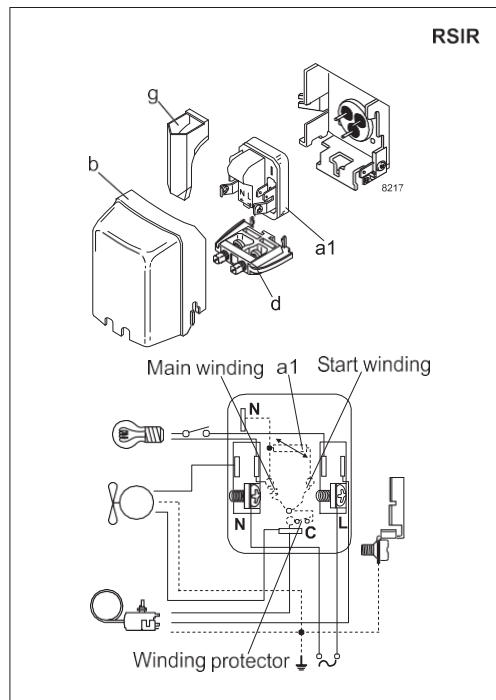


EN 12900 Household (CECOMAF) 220V, 50Hz, 2 W PTC consumption incl., static cooling

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			87	120	162	178	213	275	350								
Power cons. in W			127	146	169	178	195	223	252								
Current cons. in A			1.18	1.22	1.28	1.30	1.36	1.45	1.55								
COP in W/W			0.69	0.82	0.95	1.00	1.09	1.24	1.39								

ASHRAE LBP 220V, 50Hz, 2 W PTC consumption incl., 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			107	148	199	219	262	339	432								
Power cons. in W			127	146	169	178	195	223	252								
Current cons. in A			1.18	1.22	1.28	1.30	1.36	1.45	1.55								
COP in W/W			0.84	1.01	1.17	1.23	1.34	1.52	1.72								



Accessories for	GVY75AN	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	117U6001
Start capacitor 80 µF	6.3 mm spade connectors	c	117U5015
Cover		b	103N2010
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 comp.	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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