

AIRKOM

KOMPRESÖR

COMPAC

AIR DRYERS

COMPAC (900~140000)

patentli
ürünler
patented
products

C (50 000)

C (8500~11000)

C (5500~6500)

C (2600~3700)

C (900~2200)

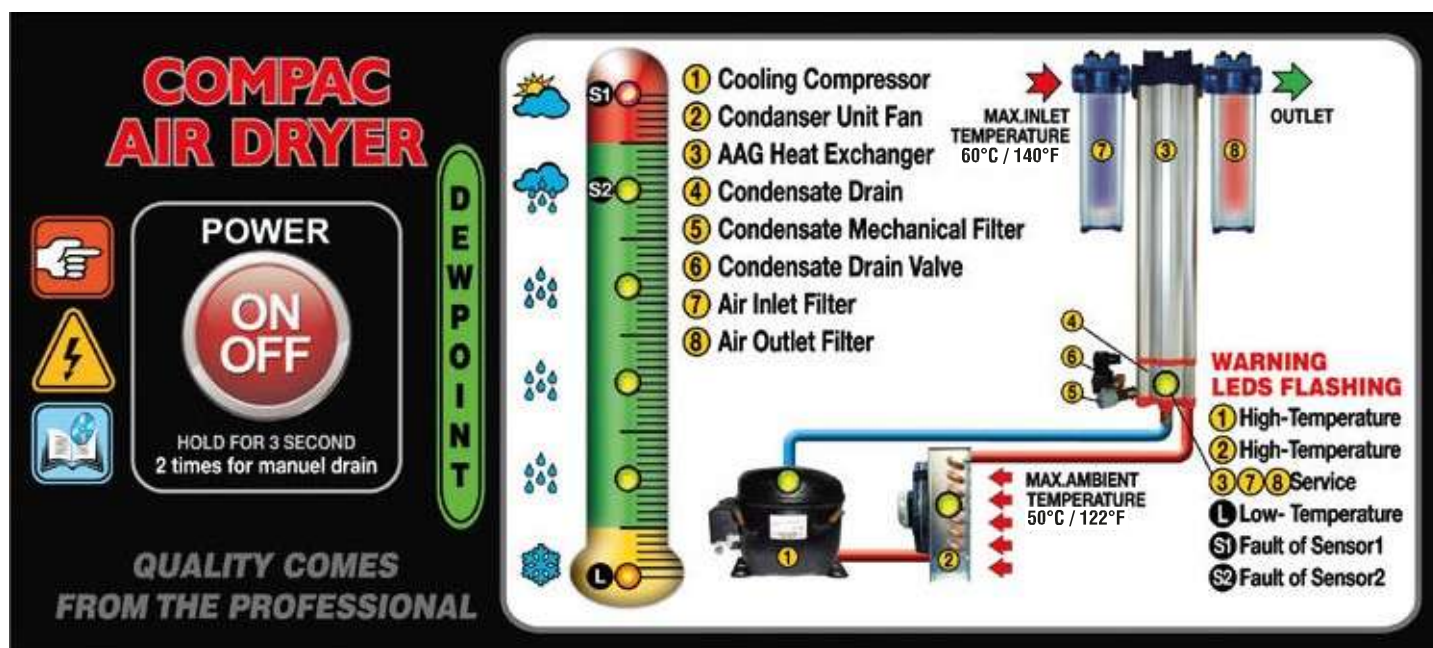
SMALL SIZE

FULL HARDWARE

SMART



WHAT FOR SMART ?



FAULT WARNING AND POSSIBLE CAUSES

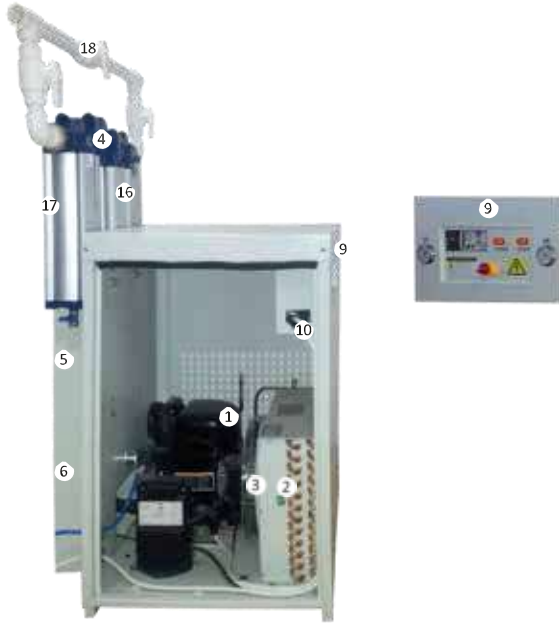
- ▶ **1. S1 LED IS FLASHING ,WITH BUZZER**
S1 is flashing, the evaporator heat sensor is faulty and the device is shifted and to the protection mode to keep it self from freezing.
PLEASE CONTACT TO OUR SERVICES
- ▶ **2. S2 LED IS FLASHING ,WITH BUZZER**
S2 is flashing , the heat sensor of condanser is faulty and the device is shifted to the protection mode of keep it self.
PLEASE CONTACT TO OUR SERVICES
- ▶ **3. RUNNING OF COOLING COMPRESSOR LED IS FLASHING ,WITH BUZZER**
If running of cooling comp. Led is flashing, the device operated for 30 min duration, but no cooling process was achieved and the device is shifted to the protection mode of keep it self.
POSSIBLE CAUSES:
a) Compressed air inlet temperature;
- If the temperature is more than 60C at
b) That were selected in a dryer as smail capacity for bigger flow rates of compressor.
c) May have a fault in cooling system.
PLEASE CONTACT TO OUR SERVICES
- ▶ **4. FAN LED IS FLASHING ,WITH BUZZER**
Fan led is flashing, the heat of condanser is in +60C and therefore the device is shifted to the protection mode.
POSSIBLE CAUSES:
a) The condanser is clogged.
b) The condenser fan motor is faulty.
PLEASE CONTACT TO OUR SERVICES
- ▶ **5. WATER DISCHARGE LED is FLASHING ,WITH BUZZER**
The filters inlet elements has expired. These are should change per 6 months for to turn off the 4 numbered led, please change filter inlet elements and reset the device by pressing ON/OFF button 60 seconds continuously.
- ▶ **6. L LED IS FLASHING ,WITH BUZZER**
If device measures the temperature as minus 5C degree as more 15 minutes, it freezing warning and the device will be close.

WHAT FOR COMPAC ?

- ▶ +3°C pressure dew-point
- ▶ Very low pressure drop
- ▶ Designed for Tropical Conditions
- ▶ Small size, full hardware,
- ▶ Zero air loss as optional,
- ▶ Smarter and chip control. Seasonal adjustment does not to need,
- ▶ Easy and simple a by-pass line with inlet and outlet filters,
- ▶ The advantage of disassembly and assembly for the Heat Exchanger,
- ▶ Used R-134a gas with hybrid feature and isolation of an environmentally without any damage

WHAT FOR SMART ?

- ① REFRIGERANT COMPRESSOR ② REFRIGERANT CONDANSER ③ CONDANSER FAN UNIT ④ AIR TO AIR EXCHANGER ⑤ GAS TO AIR EXCHANGER ⑥ CONDENSATE SEPERATOR



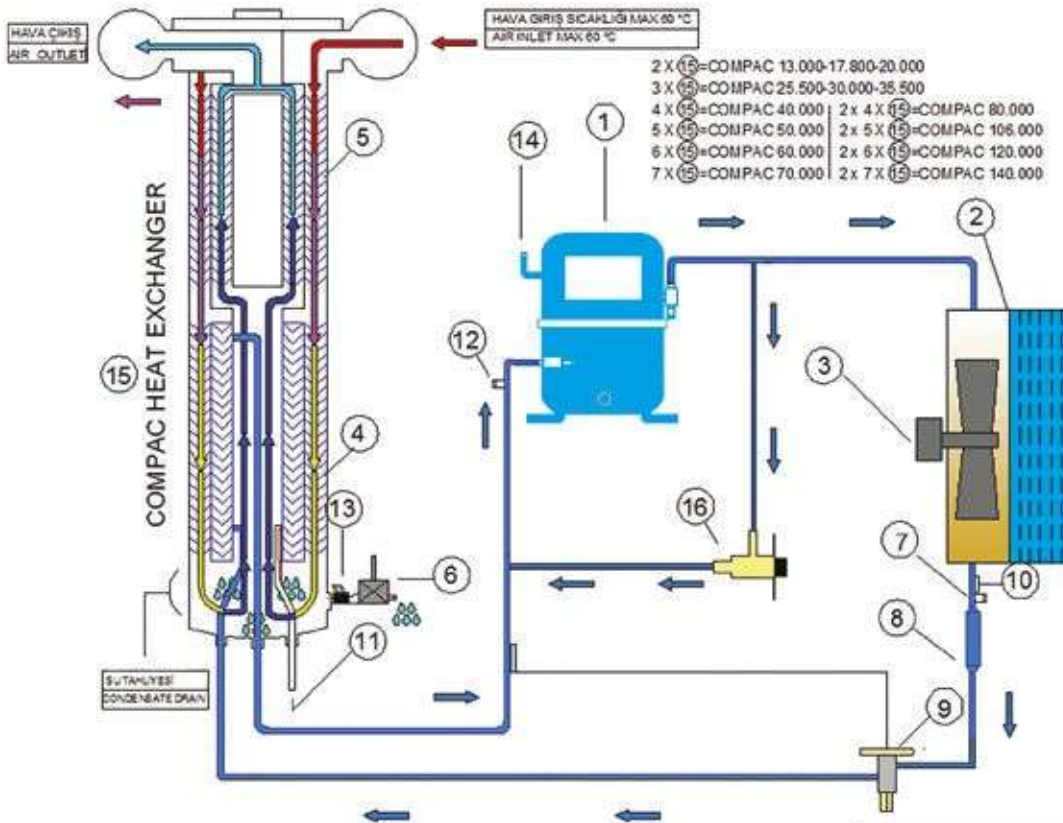
MODEL: C 6500



MODEL: C 50000

- ⑦ AIR INLET AND OUTLET COLLECTOR PIPE ⑨ INSTRUMENT PANEL ⑪ HOT GAS BY-PASS VALVE ⑬ LOW PRESSURE SWITCH ⑮ GAS DRYER FILTER ⑰ OUTLET FILTER
- ⑧ REFRIGERANT FLUID SEPERATOR ⑩ HEAD SENSOR ⑫ EXPANSION VALVE ⑭ SIGHT GLASS ⑯ INLET FILTER ⑱ BY-PASS LINE

FLOW DIAGRAM



16	HOT GAS BY-PASS VALVE SICAK GAZ BY-PASS VALFİ
15	COMPAC HEAT EXCHANGER COMPAC ISI EŞANJÖRÜ
14	UNION GAS CHARGE GAZ ŞARJ/DEŞARJ REKORU
13	DRAIN FILTER FİLTRELİ TAHYİYE MÜSLÜĞÜ
12	LOW PRESSURE SWITCH ALÇAK BASINÇ MÜŞÜRÜ
11	TEMPERATURE SENSOR ISİ SENSÖRÜ
10	TEMPERATURE SENSOR ISİ SENSÖRÜ
9	EXP VALVE EXP VALF
8	REFRIGERANT FILTER DRYER GAZ FİLTRESİ
7	FAN CONTROL SWITCH FAN KONTROL MÜŞÜRÜ
6	DRAIN SOLENOID VALVE TAHYİYE SOLENOİD VALFİ
5	AIR-AIR EXCHANGER HAVALI-HAVA EŞANJÖRÜ
4	GAS-AIR EXCHANGER GAZ-HAVA EŞANJÖRÜ
3	CONDANSER FAN MOTOR KONDANSER FAN MOTORU
2	CONDANSER KONDANSER
1	REFRIGERANT COMPRESSOR SOĞUTMA KOMPRESÖRÜ

BİRA NO: PARÇA ADI

COMPAC COMPRESSED AIR DRYER TECHNICAL DATA

COMPAC MODELS	bar	psi	m ³ /min	m ³ /h	cfm	Compressor hp	V/Ph/Hz	Connection Size	L	W	H	Kg	gas
COMPAC 900	16	232	0,9	54,0	31,8	1/5	230/1/50	1/2 "	415	325	540	30	R-134 a
COMPAC 1200	16	232	1,2	72,0	42,4	1/5	230/1/50	1/2 "	415	325	595	31	R-134 a
COMPAC 1800	16	232	1,8	108,0	63,6	1/4	230/1/50	3/4"	415	325	625	32	R-134 a
COMPAC 2200	16	232	2,2	132,0	77,7	1/4	230/1/50	3/4"	415	325	667	32	R-134 a
COMPAC 2600	16	232	2,6	156,0	91,9	3/8	230/1/50	1"	558	468	695	44	R-134 a
COMPAC 3100	16	232	3,1	186,0	109,6	3/8	230/1/50	1"	558	468	724	45	R-134 a
COMPAC 3700	16	232	3,7	222,0	130,8	1/2	230/1/50	1"	558	468	755	47	R-134 a
COMPAC 5500	16	232	5,5	330,0	194,4	3/4	230/1/50	1"	652	505	997	79	R-134 a
COMPAC 6500	16	232	6,5	390,0	229,7	1	230/1/50	1-1/2"	652	505	997	83	R404A
COMPAC 8500	16	232	8,5	510,0	300,4	2	400/3/50	2 "	870	590	1200	140	R404A
COMPAC 11000	16	232	11,0	660,0	388,7	2	400/3/50	2 "	870	590	1200	140	R404A
COMPAC 13000	16	232	13,0	780,0	459,4	2,5	400/3/50	2 "	852	734	1191	150	R404A
COMPAC 17800	16	232	17,8	1.068,0	629,1	3	400/3/50	2 "	852	734	1191	180	R404A
COMPAC 20000	16	232	20,0	1.200,0	706,8	4	400/3/50	2-1/2"	852	734	1191	195	R404A
COMPAC 25500	16	232	25,5	1.530,0	901,2	4	400/3/50	2-1/2"	1102	782	1372	273	R404A
COMPAC 30000	16	232	30,0	1.800,0	1060,2	5	400/3/50	2-1/2"	1102	782	1372	284	R404A
COMPAC 35500	16	232	35,5	2.130,0	1254,6	6	400/3/50	3"	1352	833	1382	302	R404A
COMPAC 40000	16	232	40,0	2.400,0	1413,6	7	400/3/50	3"	2104	804	1625	336	R404A
COMPAC 45000	16	232	45,0	2.700,0	1590,3	7	400/3/50	3"	2104	804	1625	365	R404A
COMPAC 50000	16	232	50,0	3.000,0	1767,0	10	400/3/50	DN 100	2104	804	1625	552	R404A
COMPAC 60000	16	232	60,0	3.600,0	2120,4	10	400/3/50	DN 100	2104	804	1625	575	R404A
COMPAC 71000	16	232	71,0	4.260,0	2509,1	12	400/3/50	DN 100	2104	1150	1625	590	R404A
COMPAC 80000	16	232	80,0	4.800,0	2827,2	13	400/3/50	DN 100	2104	1150	1625	710	R404A
COMPAC 90000	16	232	90,0	5.400,0	3180,6	15	400/3/50	DN 100	2104	1360	1625	775	R404A
COMPAC 106000	16	232	106,0	6.360,0	3746,0	18	400/3/50	DN 125	2600	1360	1760	805	R404A
COMPAC 120000	16	232	120,0	7.200,0	4240,8	20	400/3/50	DN 125	2750	1360	1760	865	R404A
COMPAC 140000	16	232	140,0	8.400,0	4947,6	25	400/3/50	DN 125	2750	1360	1760	930	R404A

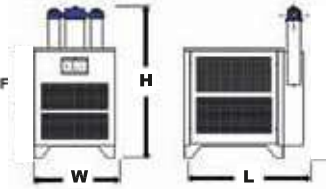
Reference conditions:

- ▶ Operating pressure : 7 bar (100 psi)
- ▶ Operating temperature : 35 °C / 95 °F
- ▶ Room temperature : 25 °C / 77 °F
- ▶ Pressure dewpoint : +3 °C +/- 1 / 37,4 °F
- ▶ Available in different voltages and frequency

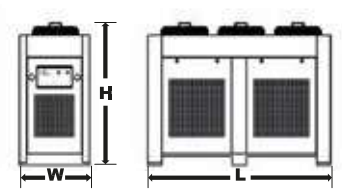
NOTES:

Limit conditions:

- ▶ Max. Working pressure : 16 bar (232 psi)
- ▶ Max. Operating temperature : 60 °C / 140 °F
- ▶ Min. room temperature : +5 °C / 41 °F;
- ▶ Max. room temperature : +50 °C / 122 °F
- ▶ Please check correction factors



MODEL: C 900 - C11000



MODEL: C 13000 - C 140000

CORRECTION FACTORS

CORRECTION FACTORS FOR DIFFERENT WORKING PRESSURES

BAR	5	6	7	8	9	10	11	12	13	14	15	16
FE: 1	0.9	0.96	1.0	1.04	1.06	1.09	1.10	1.20	1.24	1.31	1.39	1.48

CORRECTION FACTORS FOR DIFFERENT AMBIENT TEMPERATURES

°C	20	25	30	35	40	45	50
FOS: 1	1.05	1.0	0.98	0.93	0.84	0.76	0.7

CORRECTION FACTORS FOR DIFFERENT INLET AIR TEMPERATURES

°C	30	35	40	45	50	55	60
AG: 1	1.29	1.0	0.92	0.78	0.65	0.52	0.45

CORRECTION FACTORS FOR DIFFERENT DEW POINT TEMPERATURES

°C	2	3	6	8	10
FÇİ: 1	0.8	1.0	1.14	1.25	1.36

$$\text{REAL FLOW RATE} = \text{NOMINAL FLOW RATE} / \text{FE} \times \text{FOS} \times \text{AG} \times \text{FÇİ}$$

OUR COMPANY MAY CHANGE THE VALUES THE CATALOGUE TO THE RESEARCH AND DEVELOPMENT STUDIES

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KOMPRESÖR

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