Bitzer 4G-20.2Y-40P & 6F-40.2Y-40P

Specifications

Brand	Bitzer
Type	4G-20.2Y-40P & 6F-40.2Y-40P
Product type	Air Cooled Chiller
Capacité kW	130,1*
Capacity Tons	37,0*
Réfrigérant	Freon
Refrigerant Type	R404A
Pump	✓
Sizes	3100x2150x2400 mm (LxWxH)
Compressor(s) type & model	1x Bitzer 4G-20.2Y-40P & 1x Bitzer 6F-40.2Y-40P
Display	VDH Alfa 71
Number of fans	6
Fan specifications	50/60 Hz - 0,78/1,1 kW - 1250/1280 RPM - diameter 500 mm
Remarks |	Y.o.b. 2009
Remarks ||	*Capacity based on both circuits together at -10°C/+40°C
Stock	1



Description

Used Bitzer 4G-20.2Y-40P & 6F-40.2Y-40P

Used Bitzer 4G-20.2Y-40P & 6F-40.2Y-40P air cooled water chiller on R404A, equipped with two fully independent refrigeration circuits, making it highly suitable for cooling two separate cold rooms. The total cooling capacity is 130,1 kW at an evaporating temperature of -10°C and a condensing temperature of +40°C.

The first circuit is built around a Bitzer 4G-20.2Y-40P semi-hermetic reciprocating compressor with capacity control. Heat rejection is handled by an Alfa Laval ACS503BS CR condenser fitted with three Ziehl-Abegg fans with a diameter of 500 mm, suitable for both 50 and 60 Hz operation, with a power rating of 0.78/1.1 kW and a

speed of 1250/1280 RPM. On the cooling side, an Alfa Laval DXS 80 DX shell-and-tube evaporator is installed, combined with a Grundfos NB32-125/130 water pump with a maximum capacity of 25.5 m³/h. In addition, this circuit includes a suction accumulator to protect the compressor, a Bitzer FS302 liquid receiver with a volume of 30 liters, pressure and safety switches with gauges, a liquid line filter drier, and a control panel equipped with Danfoss and VDH Alfa 71 controllers. This circuit has a capacity of 57,1 kW at -5°C/+40°C.

The second circuit is more powerful and utilizes a Bitzer 6F-40.2Y-40P semi-hermetic reciprocating compressor. The condenser is an Alfa Laval ACS503CS CR, likewise equipped with three Ziehl-Abegg fans with identical specifications to those in the first circuit. For evaporation, an Alfa Laval DXS 80 SX shell-and-tube evaporator is used, in combination with a Grundfos NB32-125/130 water pump with a maximum flow rate of 25.5 m³/h. This circuit is also fitted with a suction accumulator, a Bitzer FS302 liquid receiver with a volume of 30 liters, the necessary pressure and safety components, a liquid line filter drier, and a control cabinet with Danfoss and VDH Alfa 71 controllers. This circuit has a capacity of 54,3 kW at -20°C/+40°C.

*All components of this used chiller will be tested on adequate performance, leak free condition (condensing blocks, compressors, fans, control panel, and so forth). Choosing HOSBV means buying with warranty. We perform a industrial cleaning. if requested we can arrange your shipment.








aggreko






Bitzer
Typ 4G-20.2Y-40P
S.Nr. 1676106427
BITZER KÜHLMASCHINENBAU GMBH
Made in E.C.
Nennspannung V 3Ph~ | Frequ. Hz | Betr.strom A (max.) | Anlaufstrom A (Y) | A (YY) | Fördervol. m³/h | Drehzahl min⁻¹
380-420 | 50 | 37 | 97 | 158 | 84,6 | 1450
440-480 | 60 | 37 | 97 | 158 | 102,1 | 1750
IP 54 ND/HD max. 19 / 28 bar
CE



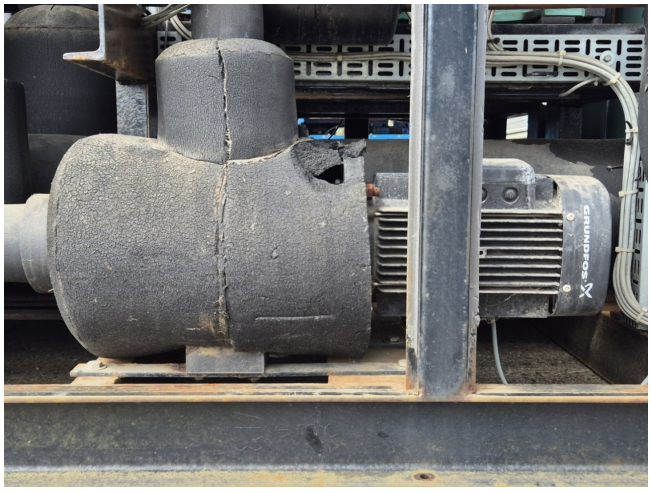


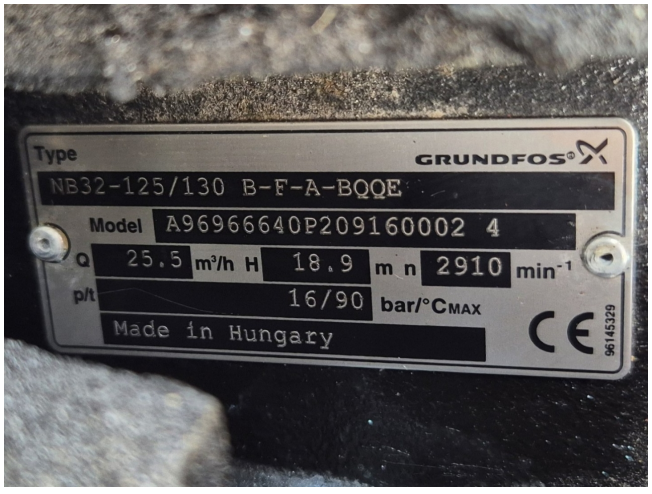

ALFA LAVAL
Manufacturer:
Alfa Laval S.p.A.-Italy
Year:
2009
Model:
ACS503BS CR
Item ID:
3289002365
Serial no.
2215662
O.A.
345924/30
Coil PED data:
PED Cat: Art.3.3
Fluid Group:
2
Coil Ts:
+130/-40 C
Ps:
31 bar
Pt:
34 bar
Test Date:
02/02/2009
CE
PED
WARNING
READ INSTRUCTION MANUAL BEFORE INSTALLATIONS OPERATIONS AND MAINTENANCE TO AVOID INJURIES OR DAMAGE
Service enquiries www.alfalaval.com



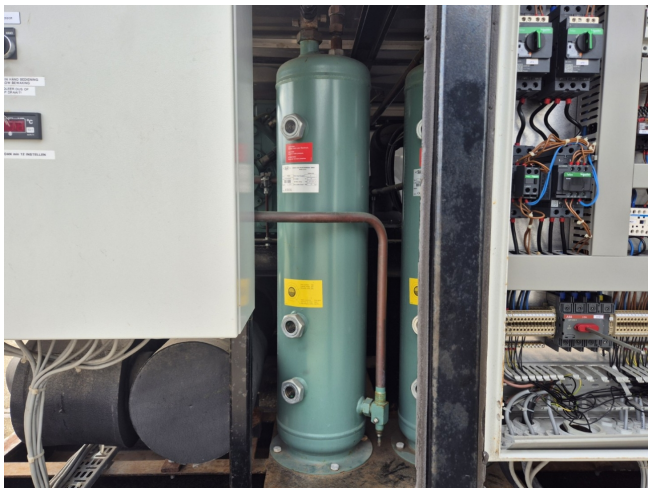



ALFA LAVAL
Manufacturer
Alfa Laval SpA - Via delle Albere - 36040 Alonte (VI) - Italy
Model
DXS 80 DX BT H2Q FL STW CE
109W102709
Serial N.
1091283
Date
12/02/2009
CE
0948
Side | Fluid | PS | PT | TS | Volume
Tubes | HFC - HCFC | 29 bar | 41,5 bar | -40 +90 °C | 9,3 L
Shell | WATER | 16 bar | 22,8 bar | -40 +90 °C | 19,8 L



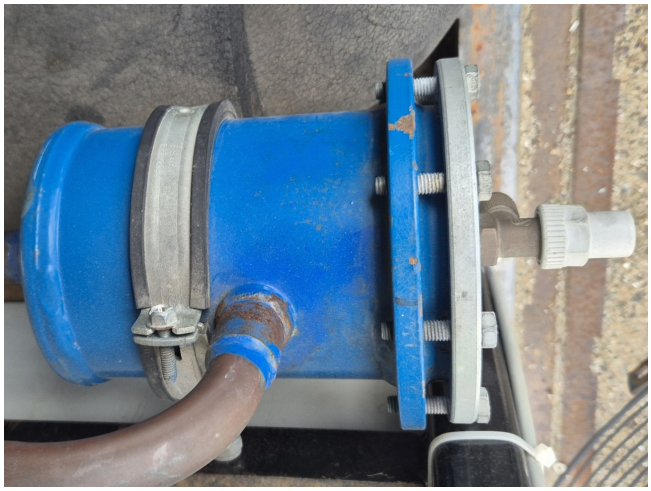

Type
GRUNDFOS
NB32-125/130 B-F-A-BQQE
Model
A96966640P209160002 4
Q
25.5 m³/h H
18.9 m n
2910 min⁻¹
p/t
16/90 bar/°CMAX
Made in Hungary
CE
96145329





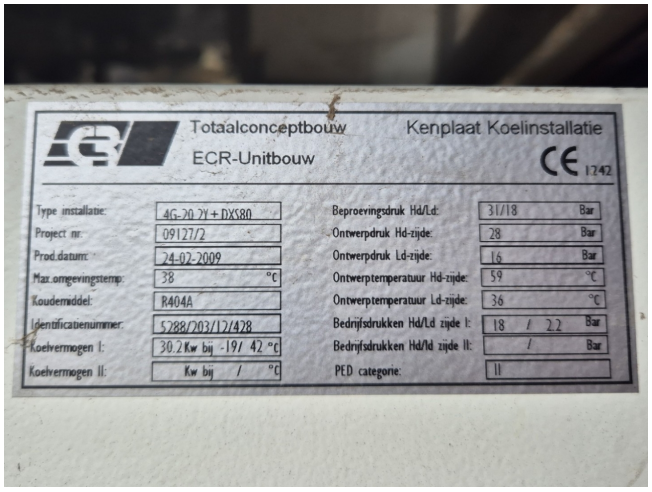

BITZER KÜHLMASCHINENBAU GMBH
Made in E.C.
Kältemittel
Typ
FS302
PED Fluid Gruppe
2
S.-Nr.
1176101015
Volumen
V
30
L
Min/Max Temp.
TS
-10°/120
°C
Baujahr
2009
Max.zuläss.Druck
PS
33
bar
0036

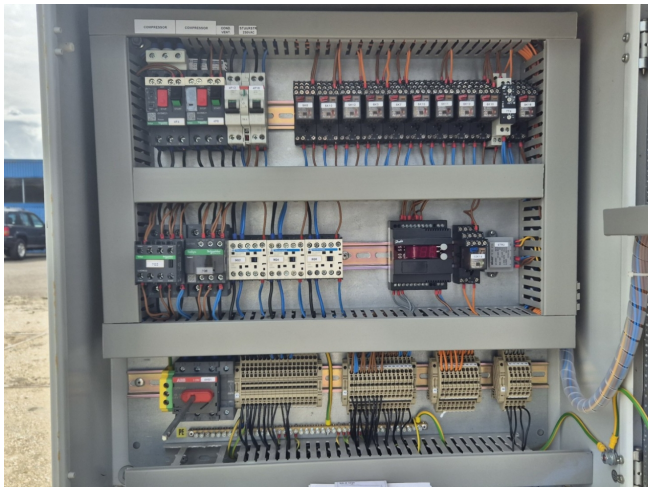

TOP



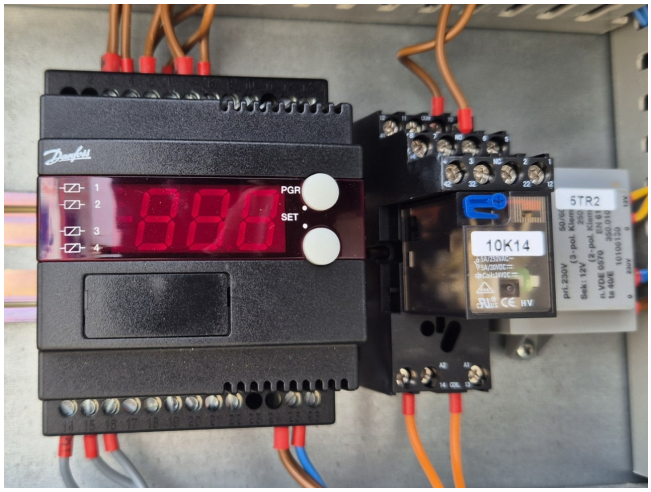



DUOCEL 2 -5 TOT +45°C

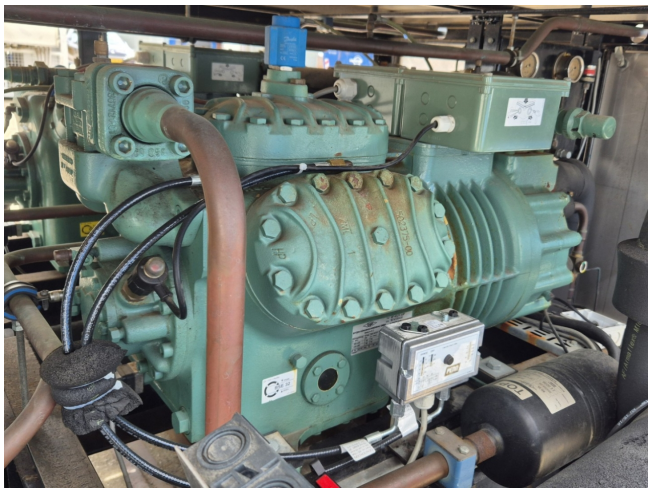

Totaalconceptbouw
ECR-Unitbouw
Kenplaat Koelinstallatie
CE 1242
Type installatie: 4G-20 2Y + DX580
Project nr: 09127/2
Prod.datum: 24-02-2009
Max.omgevingstemp: 38 °C
Koudemiddel: R404A
Identificatienummer: 5288/203/12/428
Koelvermogen I: 30.2 Kw bij -19/ 42 °C
Koelvermogen II: Kw bij / °C
Beproevingsdruk Hd/Ld: 31/18 Bar
Ontwerpdruk Hd-zijde: 28 Bar
Ontwerpdruk Ld-zijde: 16 Bar
Ontwerptemperatuur Hd-zijde: 59 °C
Ontwerptemperatuur Ld-zijde: 36 °C
Bedrijfsdrukken Hd/Ld zijde I: 18 / 2.2 Bar
Bedrijfsdrukken Hd/ld zijde II: / Bar
PED categorie: II

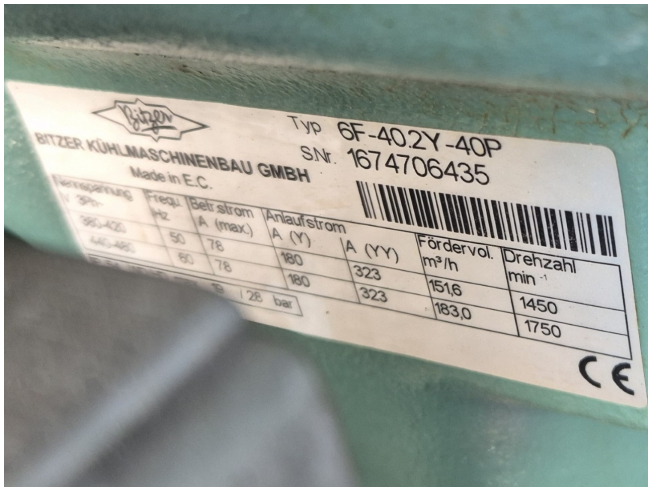





PGR
SET
10K14
STR2






BITZER KÜHLMASCHINENBAU GMBH
Made in E.C.
Typ 6F-40.2Y-40P
S/Nr. 1674706435
Anlaufstrom
A (Y)
A (YY)
Fördervol.
m³/h
Drehzahl
min⁻¹
323
151,6
1450
323
183,0
1750
bar




ALFA LAVAL
Manufacturer:
Alfa Laval S.p.A.-Italy
Year:
2009
Model:
ACS503CS CR
Item ID:
3289001611
Serial no.
2215661
O.A.
345924/10
Coil PED data:
PED Cat: Art.3.3
Fluid Group:
2
Coil Ts:
+130/-40 C°
Ps:
31 bar
Pt:
34 bar
Test Date:
02/02/2009
WARNING
READ INSTRUCTION MANUAL BEFORE INSTALLATIONS OPERATIONS AND MAINTENANCE TO AVOID INJURIES OR DAMAGE
Service enquiries www.alfalaval.com


ZIEHL-ABEGG
135371
08202399
FE050-4ES.4I.V7
1~ 230V ±10% 50Hz P1 0,78kW 60°C
3,4A Di=5% 1250/MIN 16uF/400V
1~ 230V ±10% 60Hz P1 1,1kW 40°C
4,8A Di=0% 1280/MIN 16uF/400V
THCL155 IP54
41101221
12 kg
08/44
Made in Germany





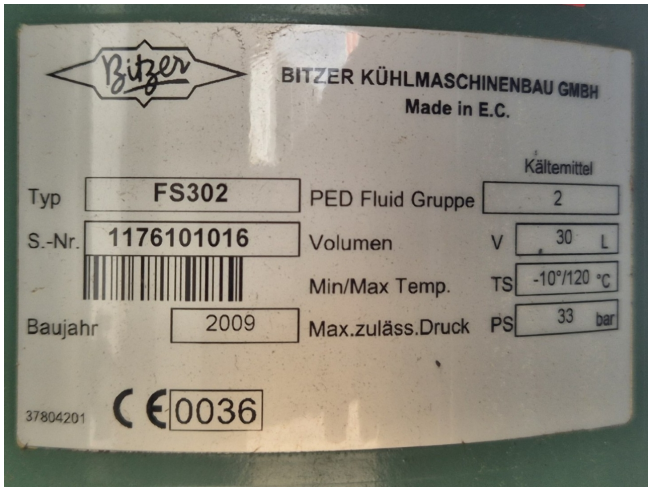

ALFA LAVAL
Manufacturer
Alfa Laval SpA - Via delle Albere - 36040 Alonte (VI) - Italy
CE
0948
Model
DXS 80 SX BT H2O FL STW CE
109W102710
Serial N.
1091284
Date
12/02/2009
Side
Fluid
PS
PT
TS
Volume
Tubes
HFC - HCFC
29 bar
41,5 bar
-40 +90 °C
9,3 L
Shell
WATER
16 bar
22,8 bar
-40 +90 °C
19,8 L



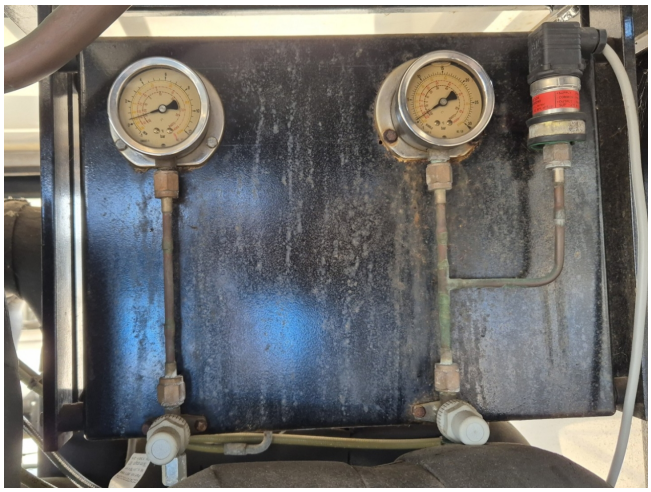

Type
NB32-125/130 B-F-A-BQQE
Model A96966640P209160001 4
Q 25.5 m³/h H 18.9 m n 2910 min
p/t 16/90 bar/°C MAX
Made in Hungary



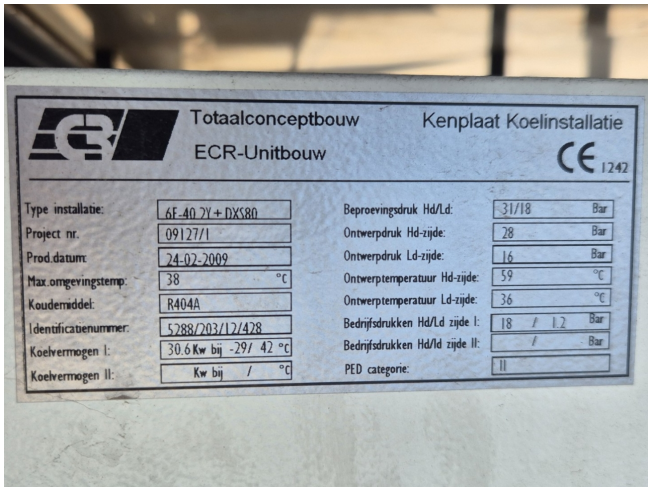


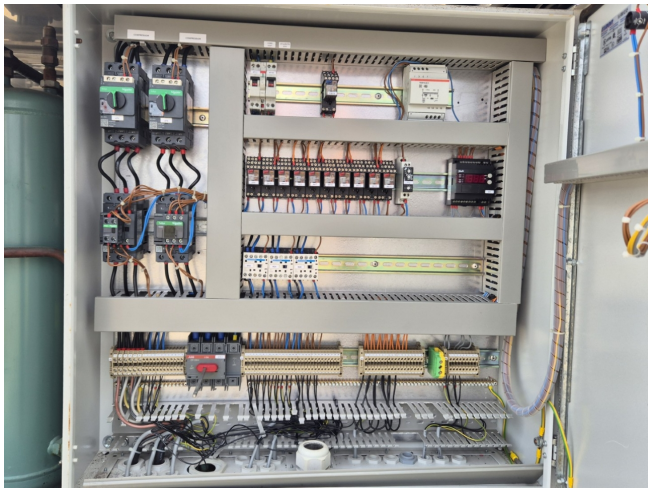

Bitzer
BITZER KÜHLMASCHINENBAU GMBH
Made in E.C.
Typ FS302
S.-Nr. 1176101016
Baujahr 2009
PED Fluid Gruppe 2
Kältemittel
Volumen V 30 L
Min/Max Temp. TS -10°/120 °C
Max.zuläss.Druck PS 33 bar
37804201
CE 0036


TOP






Totaalconceptbouw
ECR-Unitbouw
Kenplaat Koelinstallatie
CE 1242
Type installatie: 6F-40.2Y+DXS80
Project nr.: 09127/1
Prod.datum: 24-02-2009
Max.omgevingstemp: 38 °C
Koudemiddel: R404A
Identificatienummer: 5288/203/12/428
Koelvermogen I: 30.6 Kw bij -29/ 42 °C
Koelvermogen II: Kw bij / °C
Beproevingsdruk Hd/Ld: 31/18 Bar
Ontwerpdruk Hd-zijde: 28 Bar
Ontwerpdruk Ld-zijde: 16 Bar
Ontwerptemperatuur Hd-zijde: 59 °C
Ontwerptemperatuur Ld-zijde: 36 °C
Bedrijfsdrukken Hd/Ld zijde I: 18 / 1.2 Bar
Bedrijfsdrukken Hd/ld zijde II: / Bar
PED categorie: II




Danfoss
PGR
SET
8N1