Grasso FKS RRL / S

Specifications

Brand	Grasso
Type	FKS RRL / S
Product type	Water Cooled Chiller
Capacité kW	558,0
Capacity Tons	158,7
Réfrigérant	NH 3 (ammonia)
Weight	9000
Sizes	4350x2350x3000 mm (LxWxH)
Compressor(s) type & model	Grasso L-1
Display	Stahl MT-60
Remarks |	*Capacity based on the following temperatures: +4°C/+40°C (evaporating/condensing) and a cold water temperature of 6/12°C.
Stock	1

Description

Used Grasso FKS RRL / S

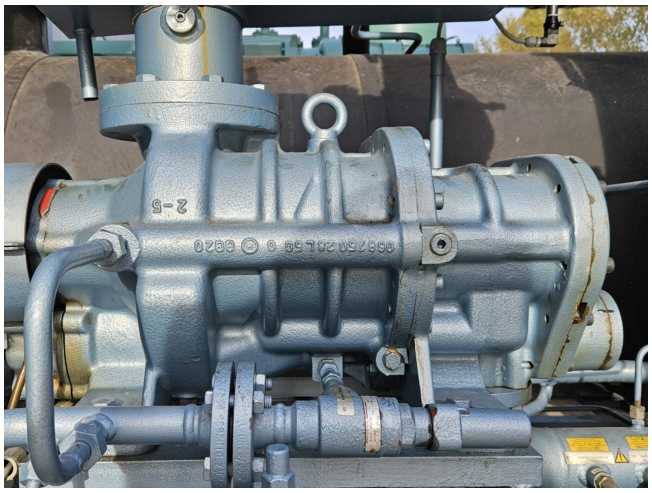
Used Grasso FKS RRL / S water cooled chiller on NH3 (Ammonia). Complete with a Grasso L-1 screw compressor with an AEG KN7280M-AB01B-Z electric motor - 50/60 Hz - 132/152 kW - 2965/3565 RPM, Hans Güntner AV85.40-10 shell and tube evaporator, Hans Güntner AK45.40-4 shell and tube condenser, Grasso 64654 oil separator with a volume of 300 liter, oil cooler, oil pump, Grasso 65253 vent valve, Witt HR 3 H float and a control panel with a Stahl MT-60 display. Capacity based on the following temperatures: +4°C/+40°C (evaporating/condensing) and a cold water temperature of 6/12°C.
*All components of this chiller will be tested on good working, leak free condition (condensing blocks),

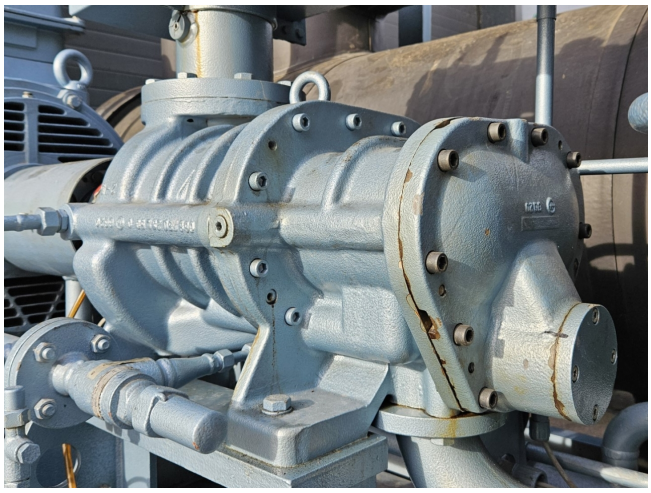
compressors, fans, control panel, etcetera). Choosing HOSBV means buying with warranty. We perform a industrial cleaning and rust spots will be covered. Also, we can arrange your shipment.


GRASSO KAB
KÜHLAUTOMAT Berlin GmbH KAB
D-12487 Berlin Segelfliegerdamm 1-45
CE
Typ/Serien-Nr.
Type/Serial-No.
Type/No de série
FKS RRL / S
Herstelljahr
Built in
An.constr.
1995
Kältemittel
Refrigerant
Frigorigène
NH3
größtes Füllgewicht der Kälteanlage
max. charg.weight of refr.plant
Charge maxi du groupe frigorifique
kg
Druckseite
Disch. side
Côté refoulem.
22
bar
zulässiger Betriebsüberdruck
max. working pressure
Surpression service adm.
Saugseite
Suct. side
Côté aspir.
16
bar

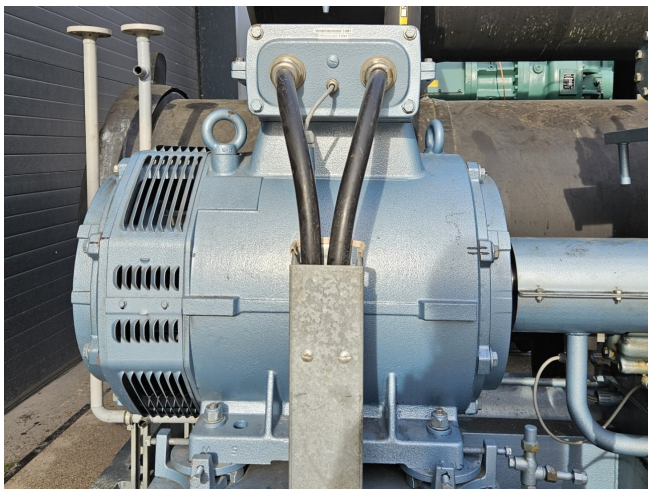

GRASSO KAB
KÜHLAUTOMAT Berlin GmbH KAB
D-12487 Berlin Segelfliegerdamm 1-45
Typ/Type/Type
Serien-Nr./Serial No/N° de série
Baujahr/Built in/An.constr.
RRL/S
084
1995
zul. Betr. Überdruck
max. working press.
Supr. service adm.
23
bar
Kältemittel
Refrigerant
Frigorigène
Volumenstrom
Flow rate
Débit
544
m³/h
Drehzahl
Speed
Vitesse
2965
1/min
Leergewicht
Weight emply
Poids à vide
2600
kg
Vol. Verh.
Vol. ratio.
Rapp. vol.
2,6

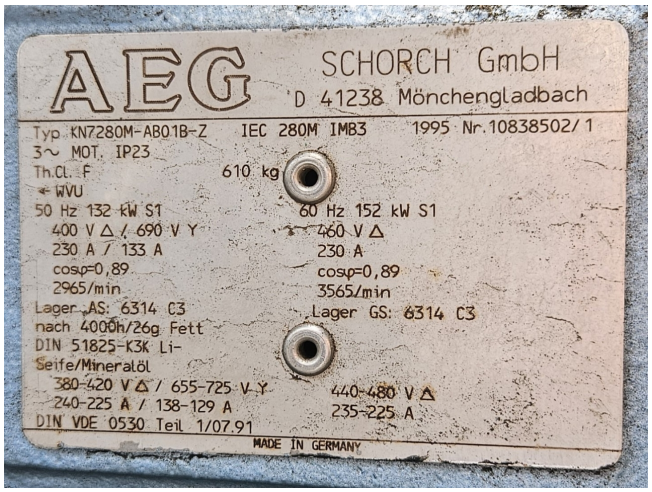

GRASSO KAB
KÜHLAUTOMAT Berlin GmbH KAB
D-12487 Berlin Segelfliegerdamm 1-45
Typ/Type/Type
Serien-Nr./Serial No/N° de série
Baujahr/Built in/An.constr.
LB-1AD
6547
1995
zul. Betr. Überdruck
max. working press.
Supr. service adm.
23
bar
Kältemittel
Refrigerant
Frigorigène
Volumenstrom
Flow rate
Débit
544
m³/h
Drehzahl
Speed
Vitesse
2965
1/min
Leergewicht
Weight emply
Poids à vide
2600
kg
Vol. Verh.
Vol. ratio.
Rapp. vol.
2,6

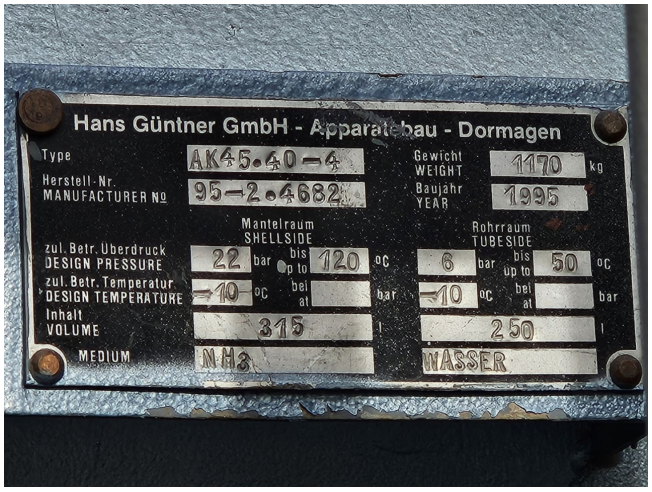


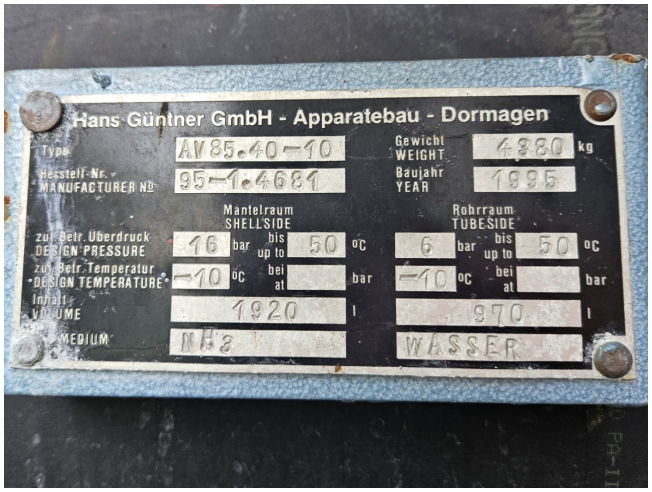



GRASSO KAB
KÜHLAUTOMAT Berlin GmbH KAB
D-12487 Berlin Segelfliegerdamm 1-45
Typ/Type/Type
Serien-Nr./Serial No/N° de série
Baujahr/Built in/An.constr.
L-1
L 0202/409411
1995
zul. Betr. Überdruck max. working press. Supr. service adm.
28
bar
Kältemittel Refrigerant Frigorigène
R22/NH3
Volumenstrom Flow rate Debit
544
m³/h
Drehzahl Speed Vitesse
2940
1/min
Leergewicht Weight emply Poids à vide
305
kg
Vol. Verh. Vol. ratio. Rapp. vol.
2,6

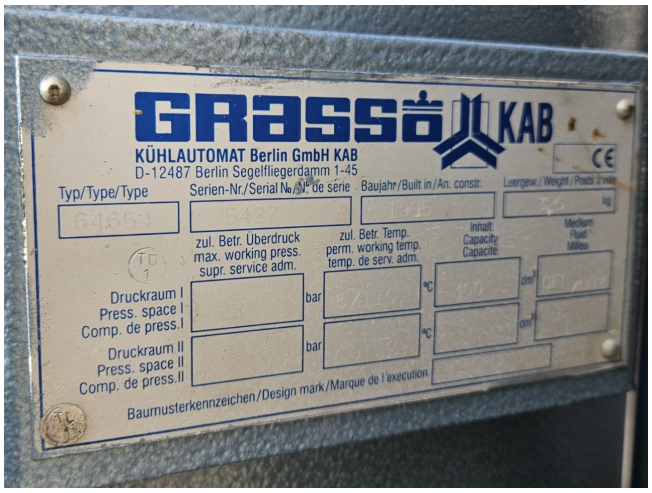


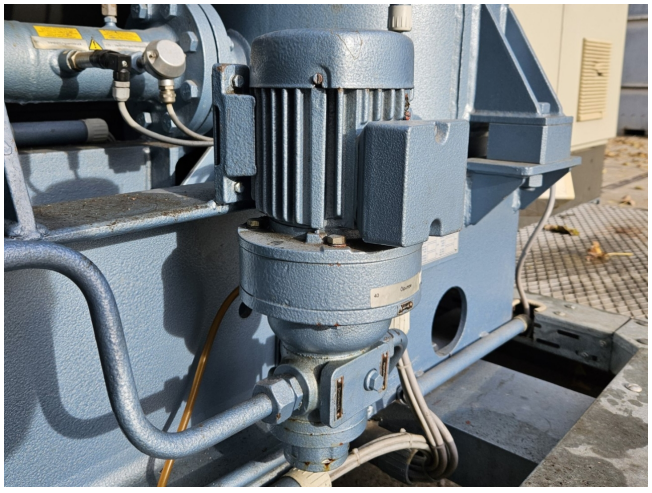

AEG
SCHORCH GmbH
D 41238 Mönchengladbach
Typ KN7280M-AB01B-Z IEC 280M IMB3 1995 Nr.10838502/1
3~ MOT. IP23
Th.Cl. F 610 kg
WVU
50 Hz 132 kW S1
400 V Δ / 690 V Y
230 A / 133 A
cosφ=0,89
2965/min
Lager AS: 6314 C3
nach 4000h/26g Fett
DIN 51825-K3K Li-
Seife/Mineralöl
380-420 V Δ / 655-725 V Y
240-225 A / 138-129 A
60 Hz 152 kW S1
460 V Δ
230 A
cosφ=0,89
3565/min
Lager GS: 6314 C3
440-480 V Δ
235-225 A
DIN VDE 0530 Teil 1/07.91
MADE IN GERMANY

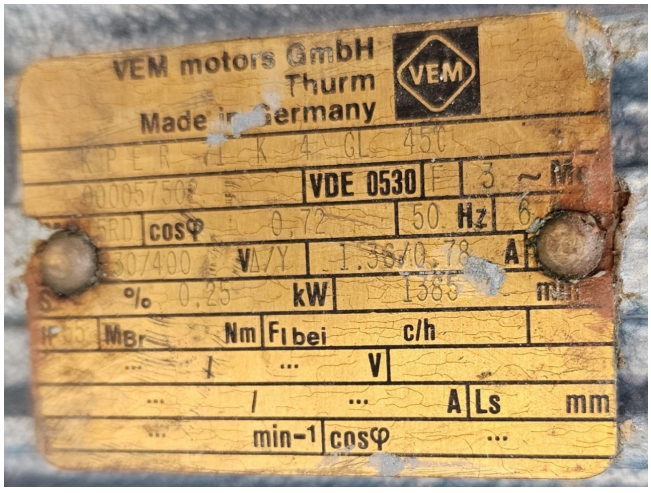

Hans Güntner GmbH - Apparatebau - Dormagen
Type AK45.40-4
Herstell-Nr. MANUFACTURER No 95-2.4682
Gewicht WEIGHT 1170 kg
Baujahr YEAR 1995
Mantelraum SHELLSIDE
Rohrraum TUBESIDE
zul. Betr. Überdruck DESIGN PRESSURE 22 bar bis up to 120 °C 6 bar bis up to 50 °C
zul. Betr. Temperatur DESIGN TEMPERATURE -10 °C bei at bar -10 °C bei at bar
Inhalt VOLUME 315 l 250 l
MEDIUM NH3 WASSER

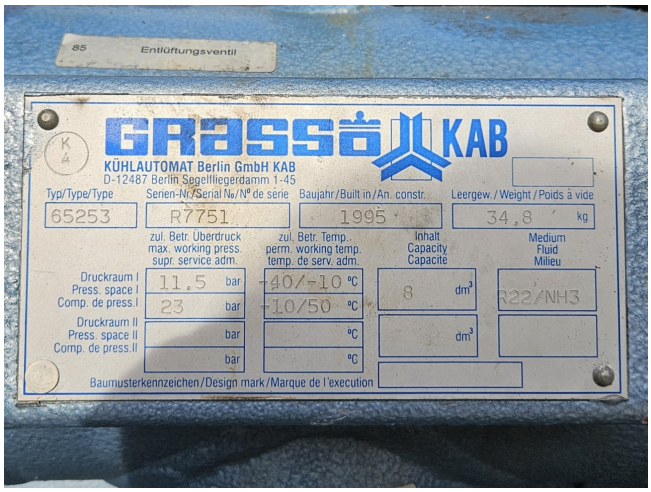

Hans Güntner GmbH - Apparatebau - Dormagen
Type AV85.40-10
Herstell-Nr. MANUFACTURER No 95-1.4681
Gewicht WEIGHT 4380 kg
Baujahr YEAR 1995
Mantelraum SHELLSIDE
Rohrraum TUBESIDE
zul. Betr. Überdruck DESIGN PRESSURE 16 bar bis up to 50 °C 6 bar bis up to 50 °C
zul. Betr. Temperatur DESIGN TEMPERATURE -10 °C bei at bar -10 °C bei at bar
Inhalt VOLUME 1920 l 970 l
MEDIUM NH3 WASSER

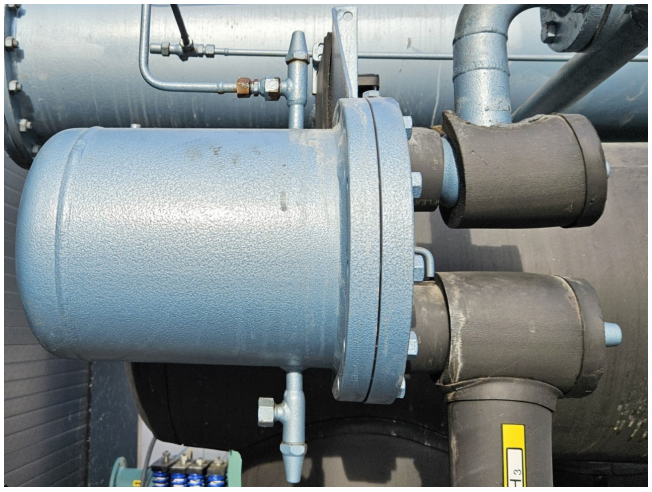

GRASSO


GRASSO KAB
KÜHLAUTOMAT Berlin GmbH KAB
D-12487 Berlin Segelfliegerdamm 1-45
Typ/Type/Type
Serien-Nr./Serial No./N° de série
Baujahr/Built in/An. constr.
Leergew./Weight/Poids à vide
zul. Betr. Überdruck max. working press. supr. service adm.
zul. Betr. Temp. perm. working temp. temp. de serv. adm.
Inhalt Capacity Capacité
Medium Fluid Milieu
Druckraum I Press. space I Comp. de press.I
Druckraum II Press. space II Comp. de press.II
bar
°C
Baumusterkennzeichen/Design mark/Marque de l'execution

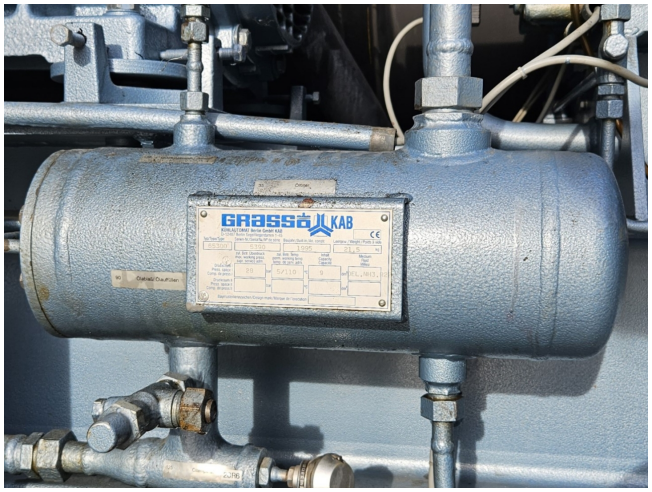


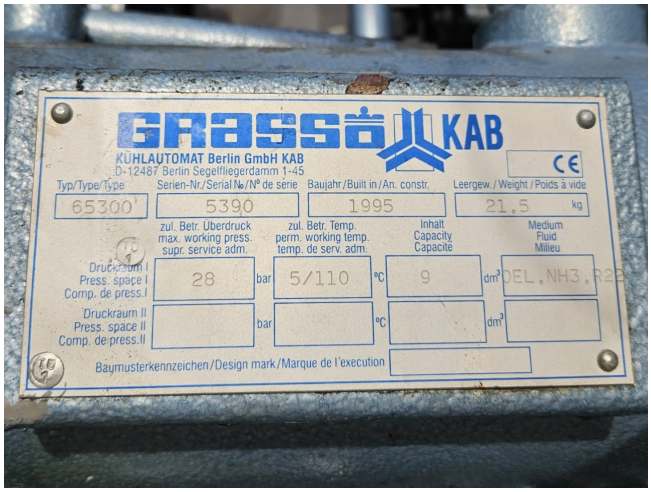

VEM motors GmbH
Thurm
Made in Germany
VEM
VDE 0530
50 Hz
cosφ
0,72
V
A
kW
0,25
Nm
c/h
A
Ls
mm
min-1
cosφ

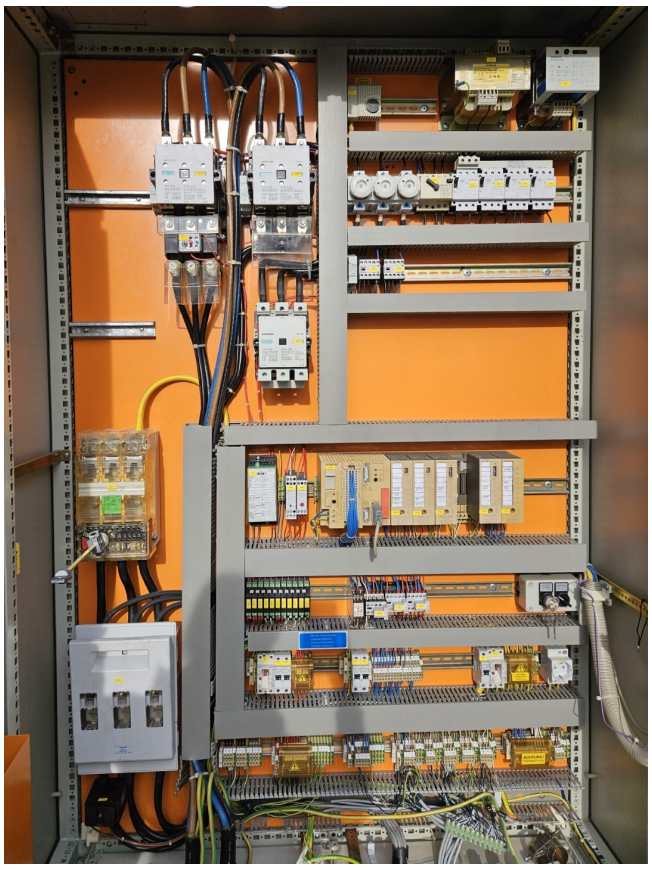

85 Entlüftungsventil
GRASSO KAB
KÜHLAUTOMAT Berlin GmbH KAB
D-12487 Berlin Segelfliegerdamm 1-45
Typ/Type/Type
65253
Serien-Nr./Serial №/N° de série
R7751
Baujahr/Built in/An. constr.
1995
Leergew./Weight/Poids à vide
34,8 kg
zul. Betr. Überdruck max. working press. supr. service adm.
zul. Betr. Temp. perm. working temp. temp. de serv. adm.
Inhalt Capacity Capacité
Medium Fluid Milieu
Druckraum I Press. space I Comp. de press.I
11,5 bar
23 bar
-40/-10 °C
-10/50 °C
8 dm³
R22/NH3
Druckraum II Press. space II Comp. de press.II
bar
bar
°C
°C
dm³
Baumusterkennzeichen/Design mark/Marque de l'execution




WITT
D 52070 Aachen
Germany
Typ
HR 3 H NH3
No
45018
ZU
69/14
Jahr
4/95
Inhalt
21 l
Prüfstempel
PB = 25 bar, TB = -10/+75 °C
PB = 18,75 bar, TB = -10/-60 °C




GRASSO KAB
KÜHLAUTOMAT Berlin GmbH KAB
D-12487 Berlin Segelfliegerdamm 1-45
Typ/Type/Type
65300'
Serien-Nr./Serial №/N° de série
5390
Baujahr/Built in/An. constr.
1995
Leergew./Weight/Poids à vide
21,5 kg
zul. Betr. Überdruck max. working press. supr. service adm.
zul. Betr. Temp. perm. working temp. temp. de serv. adm.
Inhalt Capacity Capacité
Medium Fluid Milieu
Druckraum I Press. space I Comp. de press.I
28 bar
5/110 °C
9 dm³
Druckraum II Press. space II Comp. de press.II
bar
°C
dm³
Baumusterkennzeichen/Design mark/Marque de l'execution




18.10.2023
STAHL
Proficom MT-60
STOP
COM
ONLINE
ALARM
S1
S2
S3
S4
F1
F2
F3
F4
F5
F6
F7
F8
Shift
Alt
Ctrl
Esc

Refrigerant : R134a			
Capacity (Specified : 1000kW)	kW	1000,0	96,28 %
Input power (Motor margin : 26,0%)	kW	157,9	Max : 198,9
Shaft power	kW	149,2	2965rpm
COP		6,33	
FLA	A	257,1	LRA : 2201,0
Inrush current	A	990,5	
		Evap.	Cond.
Condensing temperature	°C		33,62
Evaporating temperature	°C	5,02	
		Water	Water
Inlet temperature	°C	12,00	27,00
Outlet temperature	°C	6,00	32,00
Volume flow rate	l/s	39,7	55,4
Velocity	m/s	1,17	2,29
Fouling factor	K.m2/W	0,000018	0,00005
Pressure loss	kPa	35,0	75,0
Freezing temperature	°C	0,0	
Pass count		2	2
Tube N°		181	260
Tube type		TurboBII	TurboCSL
Tube material		CU	CU
Tube thickness	in	0,025	0,025

% Load	Capacity (kW)	ECWT (°C)	COP
100	1000,0	27,0	6,3
75	750,0	22,7	7,2
50	499,9	18,3	7,2
25	250,0	18,3	4,8