

As Built Documentation

Chapter 3.1.3 Chiller unit

Chiller unit RTHD C2

- Specification Sheet
- Series R™
Helical Rotary Liquid Chillers
Model RTHD Water-cooled 500 – 1500 kW
- RTHD Chladené vodou Špirálovité rotačné chladiče 550 – 1600 kW
Prevádzka Údržba
RTHD Water-cooled Helical-rotary chillers 550 – 1600 kW
Installation Operation Maintenance
- Tracer CH.530™ Chiller Control System RTHD only
User Guide
- Drawings
- Wiring diagrams

**TRANE**™

Technische Dokumentation

Auftraggeber: Air Liquide AGS GmbH
Depotstr. 1
63457 Hanau

Projekt: ASU
Kosice

Ihre Bestellung: 4500024090

TRANE Auftragsnummer: 28G093

Maschinen Typ: RTHD C2

Technische Zeichnungen	Revision
5712-2328 (1 – 1)	Rev.---
5712-2972 (1 – 1)	Rev.---
5712-2977 (1 – 1)	Rev.A
5712-2980 (1 – 1)	Rev.B
	Rev.---
	Rev.---
	Rev.---
	Rev.---
	Rev.---
	Rev.---
	Rev.---

Schaltpläne	Revision
2309-1697 X (1 – 6)	Rev.A
	Rev.---
	Rev.---
	Rev.---
	Rev.---
	Rev.---
	Rev.---
	Rev.---
	Rev.---
	Rev.---

Betriebs- und Wartungsanleitungen

RLC-SVX05B-E4

RLC-SVU03A-E4

Technisches Datenblatt

Datenblatt

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An American-Standard Company

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Handelsregister: AG Bonn HRB 6705 / Ust.-ID-Nr.: DE 8 1111 74 66
Steuernummer: 205/ 5754 / 0096
Bankverbindung: Deutsche Bank Bonn (380 700 59) Konto Nr.047691102
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Specification Sheet		☒	28G093.01 RTHDEC2	
Quantity: 1	Serial Numbers: EKN2821	Sales Office: DUSSELDORF		Page: 1/1

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.RTHDEC2TXA0CPD6A4LBHE5A2RBLAGCQXEXAABAY349KDXA54XXRXXX
Feature      DigValDescription
Manufacturing plant 05 E Epinal Business Unit , Charmes
Compressor Size     06 C C compressor
Compressor Size     07 2 Compressor 2
Unit power supply   08 T 400V/50HZ/3PH + OR- 5%
Design special      09 X Without
Design Sequence     10 A Factory/ABU assigned, A
Design Sequence     11 0
Agency listing     12 C CE listing
Pressure vessel code 13 P PED
Evaporator size     14 D D Evaporator
Evaporator size     15 6 Evaporator 6
Evap tube type      16 A Evap Tube type : standard
Evaporator passes   17 4 4 pases evaporator
Evaporator water connection 18 L Left hand
Evaporator connection type 19 B Grooved type & coupling
Evaporator water side pressure 20 H EVP 21bar
Condenser size      21 E E Condensor
Condenser size      22 5 Condensor 5
Condenser tube type 23 A Enhanced fin - copper
Condenser passes    24 2 2 passes condensor
Condenser water connection 25 R 2 P Right hand
Condenser connection type 26 B Grooved pipe & coupling
Condenser water side pressure 27 L CDS 10bar
Condenser leaving water temp 28 A Standard T<= 45° C
Refrigerant specialities 29 G Gauges
Oil cooler          30 C With
Thermal insulation  31 Q Cold parts
Literature language 33 E English
Safety Devices      34 X Standard
Shipping charge     35 A Delivered in unity (R134a)
Shipping package    36 A Domestic
Flow switch         37 B Flow switch EVP + CDS
Factory Performance test 38 A Factory run test, without customer
Compressor starting mode 39 Y Star-delta closed transition starter
Motor design RLA    40 3
Motor design RLA    41 4
Moteur design RLA   42 9
Power line connection type 43 K Disconnect switch + fuses
IP20 Protection     44 D IP20 power wiring protection
Under/over voltage protection 45 X No accessories
Unit operator interface 46 A Dyna-View + English
Remote interface    47 5 Tracer Comm 5 (LonTalk) interface
External chilled water reset limit 48 4 4-20 Ma input
setpoint
External base loading 49 X Without
Icemaking           50 X No icemaking
Programmable relays 51 R Programmable relays
Chilled water reset-outdoor air 52 X No sensor
temp

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Reg. Valve & RIA 53 X Without
Refrigerant monitor input 54 X Without

COOLING CAPACITY: 927.1 kW		COMPRESSOR POWER INPUT: 199.7 kW
EVAPORATOR: FF: 0.044 m²K/kW EWT/LWT: 27.7 / 10.0 °C Ethylene GLYCOL: 0 % WATER FLOW: 12.50 l/s WPD: 19.7 kPa		CONDENSER: FF: 0.044 m²K/kW EWT/LWT: 37.0 / 42.0 °C Ethylene GLYCOL: 0 % WATER FLOW: 54.41 l/s WPD: 85.1 kPa
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SPECIAL REQUIREMENTS		