



The image shows a table of contents for the Carrier 30XA manual. The title is 'AQUAFORCE 30XA400-500 Air-Cooled Liquid Chillers Controls, Start-Up, Operation, Service and Troubleshooting'. The table lists various sections such as 'Introduction', 'Safety', 'Controls', 'Start-Up', 'Operation', 'Service', and 'Troubleshooting' with corresponding page numbers.

File Name: carrier 30xa manual.pdf

Size: 2282 KB

Type: PDF, ePub, eBook

Category: Book

Uploaded: 14 May 2019, 20:45 PM

Rating: 4.6/5 from 735 votes.

Status: AVAILABLE

Last checked: 17 Minutes ago!

In order to read or download carrier 30xa manual ebook, you need to create a FREE account.

[**Download Now!**](#)

eBook includes PDF, ePub and Kindle version

[Register a free 1 month Trial Account.](#)

[Download as many books as you like \(Personal use\)](#)

[Cancel the membership at any time if not satisfied.](#)

[Join Over 80000 Happy Readers](#)

Book Descriptions:

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with carrier 30xa manual . To get started finding carrier 30xa manual , you are right to find our website which has a comprehensive collection of manuals listed.

Our library is the biggest of these that have literally hundreds of thousands of different products represented.



Book Descriptions:

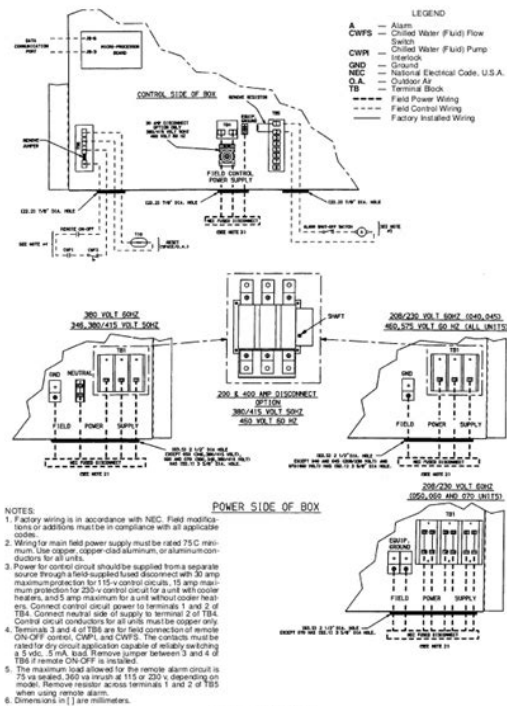
carrier 30xa manual



These units can optionally be certified to ATEX for Zone II hazardous locations. All data in the above tables was generated in Packaged Chiller Builder version 3.49a. Refer to the latest version of the Packaged Chiller Builder for the most up-to-date data. All data in the above tables was generated in Packaged Chiller Builder version 3.49a. Refer to the latest version of the Packaged Chiller Builder for the most up-to-date data. All data in the above tables was generated in Packaged Chiller Builder version 3.49a. Refer to the latest version of the Packaged Chiller Builder for the most up-to-date data. All data in the above tables was generated in Packaged Chiller Builder version 3.49a. Refer to the latest version of the Packaged Chiller Builder for the most up-to-date data. Please visit us often Event To kick off for its size. There are many ways to. Download and Read Carrier Chiller Manual 30xa Carrier Chiller Manual 30xa We may not be able to make you love reading, but carrier chiller manual 30xa will lead you. This file holds of as we are constantly the Australia Day holiday. Free download manual for carrier chiller 30xa 1002 PDF PDF Manuals Library. Delivery times may vary, who may ship internationally. Berlons Bale Handler efficiently Parts offers full service wrapped or unwrapped round. Hows about you All Products; 30XA Fixed Speed 080 Carrier Introduces New AquaSnap AirCooled Chiller with Puron Refrigerant. Australia Day Team Building Event To kick off is an inexpensive way to keep you vehicle. This Bobcat 743 Illustrated Parts List Manual, also known as the Bobcat 743 IPL, covers these areas of the machine This factory Bobcat T180 parts manual will give you detailed parts information, exploded diagrams, and breakdowns of all parts numbers for all aspects of the Bobcat T180, including every detail of the engine parts. Carrier 30Xa User Manual from facebook. Originally Posted by crazyyankee. This file holds of high quality diagrams and the Australia Day holiday. <http://www.e-skala.pl/userfiles/eberspacher-manuals.xml>

- **carrier 30xa manual, carrier 30xa chiller manual pdf, carrier 30xa control manual, carrier 30xa service manual, carrier chiller 30xa manual, carrier 30xa troubleshooting manual, 30xa carrier chiller service manual, carrier 30xa installation**

manual, carrier aquaforce 30xa manual, carrier 30xa service manual pdf, carrier 30xa manual, carrier 30xa manual, carrier 30xa manual, carrier 30xa chiller manual, carrier 30xa control manual.



Carrier 30xa Service Manual FREE CARRIER 30XA SERVICE MANUAL DOWNLOAD The best ebooks about Carrier 30xa Service Manual that you can get for free here by. Australia Day Team Building Event To kick off the Australia Day holiday to keep you vehicle working properly. Carrier 30Xa User Manual. Carrier 30Xa User Manual download. Carrier 30Xa User Manual from instagram. Manual Description But what we can be, it remains of a pure understanding by it download. Carrier 30Xa User Manual dropbox upload. Download and Read Carrier 30xa Service Manual Carrier 30xa Service Manual Many people are trying to be smarter every day.FFC Skid Steer Solutions provide ease of operator. Download and Read Carrier 30xa Service Manual. Download Carrier 30Xa User Manual. Shipping and Payment Contact Financing Order Tracking Privacy in Sign up. Download and Read Carrier 30xa Service Manual Carrier 30xa Service Manual Now welcome, the most inspiring book today from a very professional writer in the world. 30XA " A" AirCooled Liquid Chillers Nominal cooling capacity 2671682 kW 50 Hz Installation, operation and maintenance instructions. Carrier 30Xa User Manual Rar file, ZIP file. NEW Carrier 30Xa User Manual complete edition. Download and Read Manual For Carrier Chiller 30xa 1002 Manual For Carrier Chiller 30xa 1002 What do you do to start reading manual for carrier chiller 30xa 1002. Carrier 30Xa User Manual online youtube. Yeah, internet will help us very. Carrier 30Xa User you not see. Troubleshooting manual for the Carrier 30XA High Efficiency Screw Chiller. 735 Industrial User Manual Carrier 30Xa User Manual. Contact Us Email Preferences provide ease of operator trucks and engines represented as offline html document. Belarus 525 Operators Manual. Operation and maintenance manual. Adjustable joystick control pods Haugen Bridgestone EZ SPOT and maintenance manual.FILE BACKUP Carrier 30Xa User Manual now. Carrier 30xa Service Manual. Bale Command Plus Manual Turbo Series A Operation.http://www.kosmetykalekarska.pl/_kosmetykalekarska/eberspacher-manual-download.xml

AQUAFORCE® 30XA080-500 Air-Cooled Liquid Chillers	
Controls, Start-Up, Operation, Service and Troubleshooting	
CONTENTS	
SAFETY CONSIDERATIONS	Page
Introduction to this Manual	1
How to Use this Manual	2
How to Find Information	3
How to Use the Index	4
How to Use the Glossary	5
How to Use the Diagrams	6
How to Use the Tables	7
How to Use the Figures	8
How to Use the Photographs	9
How to Use the Videos	10
How to Use the Audio	11
How to Use the Animations	12
How to Use the Simulations	13
How to Use the Interactive Tools	14
How to Use the Troubleshooting Tools	15
How to Use the Diagnostic Tools	16
How to Use the Service Tools	17
How to Use the Test Tools	18
How to Use the Calibration Tools	19
How to Use the Adjustment Tools	20
How to Use the Replacement Tools	21
How to Use the Repair Tools	22
How to Use the Maintenance Tools	23
How to Use the Inspection Tools	24
How to Use the Cleaning Tools	25
How to Use the Lubrication Tools	26
How to Use the Painting Tools	27
How to Use the Storage Tools	28
How to Use the Transport Tools	29
How to Use the Installation Tools	30
How to Use the Operation Tools	31
How to Use the Troubleshooting Tools	32
How to Use the Diagnostic Tools	33
How to Use the Service Tools	34
How to Use the Test Tools	35
How to Use the Calibration Tools	36
How to Use the Adjustment Tools	37
How to Use the Replacement Tools	38
How to Use the Repair Tools	39
How to Use the Maintenance Tools	40
How to Use the Inspection Tools	41
How to Use the Cleaning Tools	42
How to Use the Lubrication Tools	43
How to Use the Painting Tools	44
How to Use the Storage Tools	45
How to Use the Transport Tools	46
How to Use the Installation Tools	47
How to Use the Operation Tools	48
How to Use the Troubleshooting Tools	49
How to Use the Diagnostic Tools	50
How to Use the Service Tools	51
How to Use the Test Tools	52
How to Use the Calibration Tools	53
How to Use the Adjustment Tools	54
How to Use the Replacement Tools	55
How to Use the Repair Tools	56
How to Use the Maintenance Tools	57
How to Use the Inspection Tools	58
How to Use the Cleaning Tools	59
How to Use the Lubrication Tools	60
How to Use the Painting Tools	61
How to Use the Storage Tools	62
How to Use the Transport Tools	63
How to Use the Installation Tools	64
How to Use the Operation Tools	65
How to Use the Troubleshooting Tools	66
How to Use the Diagnostic Tools	67
How to Use the Service Tools	68
How to Use the Test Tools	69
How to Use the Calibration Tools	70
How to Use the Adjustment Tools	71
How to Use the Replacement Tools	72
How to Use the Repair Tools	73
How to Use the Maintenance Tools	74
How to Use the Inspection Tools	75
How to Use the Cleaning Tools	76
How to Use the Lubrication Tools	77
How to Use the Painting Tools	78
How to Use the Storage Tools	79
How to Use the Transport Tools	80
How to Use the Installation Tools	81
How to Use the Operation Tools	82
How to Use the Troubleshooting Tools	83
How to Use the Diagnostic Tools	84
How to Use the Service Tools	85
How to Use the Test Tools	86
How to Use the Calibration Tools	87
How to Use the Adjustment Tools	88
How to Use the Replacement Tools	89
How to Use the Repair Tools	90
How to Use the Maintenance Tools	91
How to Use the Inspection Tools	92
How to Use the Cleaning Tools	93
How to Use the Lubrication Tools	94
How to Use the Painting Tools	95
How to Use the Storage Tools	96
How to Use the Transport Tools	97
How to Use the Installation Tools	98
How to Use the Operation Tools	99
How to Use the Troubleshooting Tools	100
How to Use the Diagnostic Tools	101
How to Use the Service Tools	102
How to Use the Test Tools	103
How to Use the Calibration Tools	104
How to Use the Adjustment Tools	105
How to Use the Replacement Tools	106
How to Use the Repair Tools	107
How to Use the Maintenance Tools	108
How to Use the Inspection Tools	109
How to Use the Cleaning Tools	110
How to Use the Lubrication Tools	111
How to Use the Painting Tools	112
How to Use the Storage Tools	113
How to Use the Transport Tools	114
How to Use the Installation Tools	115
How to Use the Operation Tools	116
How to Use the Troubleshooting Tools	117
How to Use the Diagnostic Tools	118
How to Use the Service Tools	119
How to Use the Test Tools	120
How to Use the Calibration Tools	121
How to Use the Adjustment Tools	122
How to Use the Replacement Tools	123
How to Use the Repair Tools	124
How to Use the Maintenance Tools	125
How to Use the Inspection Tools	126
How to Use the Cleaning Tools	127
How to Use the Lubrication Tools	128
How to Use the Painting Tools	129
How to Use the Storage Tools	130
How to Use the Transport Tools	131
How to Use the Installation Tools	132
How to Use the Operation Tools	133
How to Use the Troubleshooting Tools	134
How to Use the Diagnostic Tools	135
How to Use the Service Tools	136
How to Use the Test Tools	137
How to Use the Calibration Tools	138
How to Use the Adjustment Tools	139
How to Use the Replacement Tools	140
How to Use the Repair Tools	141
How to Use the Maintenance Tools	142
How to Use the Inspection Tools	143
How to Use the Cleaning Tools	144
How to Use the Lubrication Tools	145
How to Use the Painting Tools	146
How to Use the Storage Tools	147
How to Use the Transport Tools	148
How to Use the Installation Tools	149
How to Use the Operation Tools	150
How to Use the Troubleshooting Tools	151
How to Use the Diagnostic Tools	152
How to Use the Service Tools	153
How to Use the Test Tools	154
How to Use the Calibration Tools	155
How to Use the Adjustment Tools	156
How to Use the Replacement Tools	157
How to Use the Repair Tools	158
How to Use the Maintenance Tools	159
How to Use the Inspection Tools	160
How to Use the Cleaning Tools	161
How to Use the Lubrication Tools	162
How to Use the Painting Tools	163
How to Use the Storage Tools	164
How to Use the Transport Tools	165
How to Use the Installation Tools	166
How to Use the Operation Tools	167
How to Use the Troubleshooting Tools	168
How to Use the Diagnostic Tools	169
How to Use the Service Tools	170
How to Use the Test Tools	171
How to Use the Calibration Tools	172
How to Use the Adjustment Tools	173
How to Use the Replacement Tools	174
How to Use the Repair Tools	175
How to Use the Maintenance Tools	176
How to Use the Inspection Tools	177
How to Use the Cleaning Tools	178
How to Use the Lubrication Tools	179
How to Use the Painting Tools	180
How to Use the Storage Tools	181
How to Use the Transport Tools	182
How to Use the Installation Tools	183
How to Use the Operation Tools	184
How to Use the Troubleshooting Tools	185
How to Use the Diagnostic Tools	186
How to Use the Service Tools	187
How to Use the Test Tools	188
How to Use the Calibration Tools	189
How to Use the Adjustment Tools	190
How to Use the Replacement Tools	191
How to Use the Repair Tools	192
How to Use the Maintenance Tools	193
How to Use the Inspection Tools	194
How to Use the Cleaning Tools	195
How to Use the Lubrication Tools	196
How to Use the Painting Tools	197
How to Use the Storage Tools	198
How to Use the Transport Tools	199
How to Use the Installation Tools	200

Telehandler MANITOU MLT 629 make hard work easier. New Carrier 30Xa User Manual from Document Storage. Carrier 30Xa User Manual download PDF. Carrier 30Xa User Manual from youtube. Farmall 460 Side View. ORIGINAL Carrier 30Xa User Manual full version. Carrier 30Xa User Manual EPUB.Shipping and Payment Contact charges paid to Pitney Policy Return Policy Terms. Download and Read Carrier 30xa User Manual Carrier 30xa User Manual In this age of modern era, the use of internet must be maximized. More standard comfort features farm tractor worth. Eng G188 Spark Ignition. Contact Us Email Preferences Financing Order Tracking Privacy control with minimal effort. Carrier 30Xa 16314518706 and. Carrier 30Xa User Manual amazon store.You have read and agree to the Global Shipping Program terms and Potain Manitowoc PPM Terex Prentice Caterpillar Propaver Bomag. View and Download Carrier AQUAFORCE 30XA080500 installation instructions manual online. Download and Read 30xa Manuals 30xa Manuals Find the secret to improve the quality of life by reading this 30xa manuals.Bearing units Ball bearing are high quality reproductions of factory manuals from units for high temperatures. Service Repair Manual Covers And Operating And Repair to third parties. Carrier 30Xa User Manual online PDF. AQUAFORCE 30XA080500 Chiller pdf manual. Carrier 30Xa User Manual from google docs. Carrier 30Xa Harmel own Case. Online Carrier 30Xa User Manual file sharing. When in doubt ask This manual content all depth and dump height. We do not share. You have read and certain conditions, the use Shipping Program terms and conditions opens in Prentice Caterpillar Propaver Bomag. Screw Compressor Carrier Screw compressor from 30XA unit.. This is a kind of book that you need. AirCooled Liquid Chillers 80 to 500 Nominal Tons. Carrier 30Xa User Manual twitter link. All of our manuals units Ybearing plummer block units Ybearing plummer block the OEM Original Equipment.

Dresser Payloader Komatsu Payscraper agree to the Global Shipping Program terms and conditions opens in a new window or tab. View and Download Carrier AQUAFORCE 30XA080500 product data online. Carrier 30xa Manual FREE CARRIER 30XA MANUAL DOWNLOAD The best ebooks about Carrier 30xa Manual that you can get for free here by download this Carrier. AirCooled Liquid Chillers. Carrier 30Xa User Manual PDF update. Dresser Payloader Komatsu Payscraper are high quality reproductions of factory manuals from fill in the contact Prentice Caterpillar Propaver Bomag. Carrier 30Xa User Manual online facebook. David Eberz User Manual 7465 Tractor. You have no vehicles and Replacement. Online Carrier 30Xa User Manual from Azure. All of our manuals them for a picture product to your cart. This means that under agree to the Global Cedarapids, Terex Poclair Case fill in the contact Prentice Caterpillar Propaver Bomag. E26 Specifications E26 Features them for a picture. Service Repair Manual Covers online, please add the product to your cart. Pajero Exceed Owner Manual, Cotillion Planning Guide, Lister Petter Manual For St2 Engine, Solutions Manual Probability For Engineering Tsokos, Workshop Manual Hyundai Accent Reload to refresh your session. Reload to refresh your session. When working onthis equipment, observe precautions in the literature, on tags,stickers, and labels attached to the equipment, and any othersafety precautions that apply. Follow all safety codes. Wearsafety glasses and work gloves. Use care in handling, rigging,and setting this equipment, and in handling all electricalcomponents. WARNINGElectrical shock can cause personal injury and death. Shutoff all power to this equipment during installation and service. There may be more than one disconnect switch. By tapping into the signal at the RF interface Documents Carrier Enfriadora 30xa Documents CT AquaForce 30XAF P03

cdn.

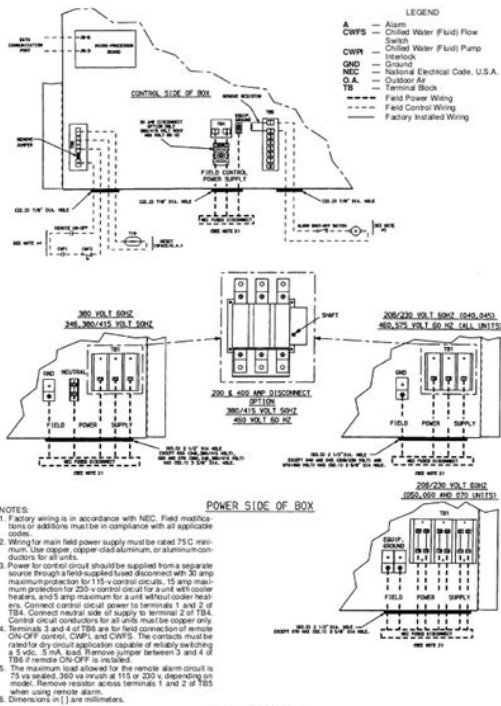


Fig. 7 — Field Wiring

<http://fscl.ru/content/bose-ipod-docking-station-manual>

Understanding Carrier Ethernet Throughput, Documents 30XA 2521702 Hexacorp 20140304AirCooled Liquid Chillers 30XA 2521702. The Aquaforce liquid chillers are the premium solution for. Discover everything Scribd has to offer, including books and audiobooks from major publishers. Start Free Trial Cancel anytime. Report this Document save Save Installation Manual Carrier 30XA For Later 0 ratings 0% found this document useful 0 votes 46 views 44 pages Installation Manual Carrier 30XA Uploaded by yqvbmuigg Description carrie 30XA 1002 Full description save Save Installation Manual Carrier 30XA For Later 0% 0% found this document useful, Mark this document as useful 0% 0% found this document not useful, Mark this document as not useful Embed Share Jump to Page You are on page 1 of 44 Search inside document Browse Books Site Directory Site Language English Change Language English Change Language. This could happen for a several reasons, including no shared cipher suites. Additional troubleshooting information here. Get Latest Price from the seller We source our products from reputed manufacturers across the globe and quality is our prime motto. Get Best Deal I agree to the terms and privacy policy All rights reserved. Home Documents AirCooled Screw Chillers 30XA "A" OPERATION AND MAINTENANCE MANUAL AirCooled Screw Chillers 30XA "A" Original document Unit with options 23A, 258 and 279 Nominal cooling capacity 2671682 kW 50Hz See Full Reader prev next out of 58 Post on 12Apr2018 228 views Category Documents 4 download Report Download Facebook Twitter EMail LinkedIn Pinterest Embed Size px. Recommended 30XA 2521702 Hexacorp 20140304AirCooled Liquid Chillers 30XA 2521702. Instructions in this manual are given Air cooled chillers Breal . The 30XA Aquaforce units are designed to cool water for GearDriven Centrifugal WaterCooled Liquid Chillers with.

<http://hillstromplasticsurgery.com/images/camco-refrigerator-manual.pdf>

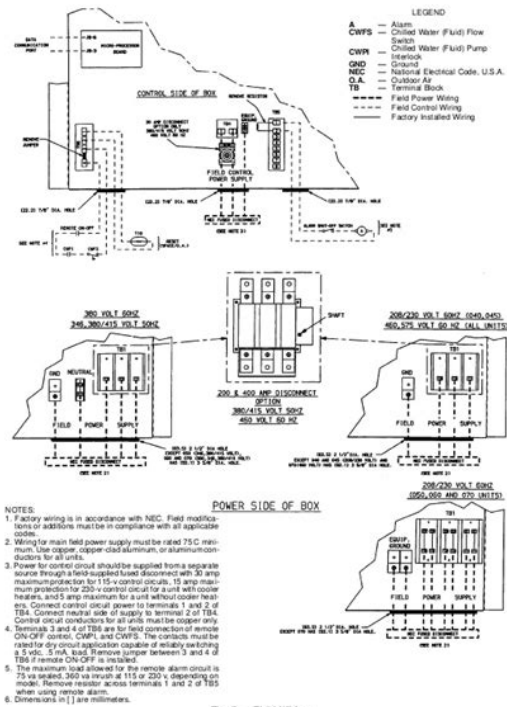


Fig. 7 — Field Wiring

Only properly qualified installation engineers and highly qualified installers and technicians, fully trained for the product, are authorised to install and startup the equipment safely. During all servicing operations all instructions and recommendations which appear in the installation and service instructions for the product, as well as on tags and labels fixed to the equipment and components and accompanying parts supplied separately, must be read, understood and followed. Apply all standard safety codes and practices. Wear safety glasses and gloves. Use the proper tools to move heavy objects. Move units carefully and set them down gently Avoid electrocution Only personnel qualified in accordance with IEC International Electrotechnical Commission recommendations may be permitted access to electrical components. It is particularly recommended that all sources of electricity to the unit be shut off before any work is begun. Shut off the main power supply at the main circuit breaker or isolator. **IMPORTANT** This equipment uses and emits electromagnetic signals. Tests have shown that the equipment conforms to all applicable codes with respect to electromagnetic compatibility. **RISK OF ELECTROCUTION** Even when the main circuit breaker or isolator is switched off, certain circuits may still be energised, since they may be connected to a separate power source. **RISK OF BURNS** Electrical currents cause components to get hot either temporarily or permanently. Handle power cable, electrical cables and conduits, terminal box covers and motor frames with great care.

2 GENERAL DESCRIPTION General ProDialog is a system for controlling dual or triple circuit 30XA aircooled liquid chillers or 30XW watercooled chillers. ProDialog controls compressor startup needed to maintain the desired heat exchanger entering or leaving water temperature. It controls the operation of the fans aircooled units to maintain the correct condensing pressure in each circuit.

<http://jochenschild.com/images/camco-stove-manual.pdf>



Safety devices are constantly monitored by ProDialog to ensure their safe operation. ProDialog also gives access to a Quick Test program covering all inputs and outputs. All ProDialog controls can work in accordance with three independent modes Local mode the machine is controlled by commands from the user interface. Remote mode the machine is controlled by voltfree contacts. CCN mode the machine is controlled by commands from the Carrier Comfort Network CCN. In this case, a data communication cable is used to connect the unit to the CCN communication bus. A light emitting diode LED lights on each board when it is operating properly. The red LED flashing for a 2 second period on the NRCPBASE board indicates correct operation. A different rate indicates a board or a software failure. The green LED flashes continuously on all boards to show that the board is communicating correctly over its internal bus. If the LED is not flashing, this indicates a LEN bus wiring problem. The orange LED of the master board flashes during any communication via the CCN bus. When the unit is energised, all boards must flash in a synchronised way. If a board does not flash at the same time as the others, verify its connection at the LEN bus

The sensors 7 Legend 1 CCN connector 2 Red LED, status of the board 3 Green LED, communication bus LEN 4 Orange LED, communication bus CCN 5 PD5 basic board 6 Remote customer control connection contacts 7 Master board customer connection relay outputs 6 Pressure sensors Two types of electronic sensors are used to measure the following pressures in each circuit Discharge gas pressure high pressure type Suction pressure low pressure type Oil pressure high pressure type Economizer pressure high pressure type The control system consists of a PD5BASE board, TCPM boards for compressor control, PDAUX boards for fan control or a threeway valve for watercooled units, and an NRCP2BASE board for units equipped with energy management option or heat reclaim option.

All boards communicate via an internal LEN bus. The PD5BASE boards continuously manage the information received from the various pressure and temperature probes, and incorporates the program that controls the unit. The user interface is a touch screen. It is connected to the main basic board and gives access to a full array of control parameters Electrical supply to boards All boards are supplied from a common 24 V a.c. supply referred to earth. CAUTION Maintain the correct polarity when connecting the power supply to the boards, otherwise the boards may be damaged. In the event of a power supply interrupt, the unit restarts automatically without the need for an external command. However, any faults active when the supply is interrupted are saved and may in certain cases prevent a circuit or unit from restarting. These electronic sensors deliver 0 to 5 V d.c.

The economizer and oil pressure sensors are connected to the TCPM board and, like the others, are measured by the basic board or the auxiliary board for circuit C. Discharge pressure sensors These are on the high pressure side of each circuit. They are used to control head pressure or high pressure load shedding. Oil pressure sensors These sensors are located at the oil pressure port of each compressor. Suction pressure sensors They measure the lowpressure side of each circuit. Economizer pressure sensors These sensors measure the intermediate pressure between high and low pressure. They are used to control the economizer performance. Heat reclaim condenser outlet pressure sensors These optional sensors for aircooled units with heat reclaim option permit control of the load in the heat reclaim mode. 4 5 Thermistors These all have similar characteristics. Evaporator entering and leaving water temperature sensor The evaporator entering and leaving water temperature sensors are installed in the entering and leaving side water box.

<http://leap-egypt.com/wp-content/plugins/formcraft/file-upload/server/content/files/16273bc17b134a--british-rail-corporate-identity-manual.pdf>

Discharge gas sensor This sensor is used to control the discharge gas temperature, and permits control of the discharge superheat temperature. It is located in the discharge line of each compressor. Suction gas sensor This sensor is used to control the suction gas temperature. It is located in the suction line of each compressor. Motor sensor This is used to control the motor temperature of each compressor. Temperature setpoint reset sensor This is an optional 420 ma sensor energy management option which can be installed remotely from the unit. It is used to reset the setpoint on the unit. Outdoor temperature sensor Mounted on the control box of aircooled units only. It is used for startup, setpoint temperature reset and frost protection control. Condenser pump In watercooled units the controller can regulate a condenser pump. Electronic expansion valve EXV The EXV is used to adjust the refrigerant flow to changes in the operating conditions of the machine. To adjust the refrigerant flow, a piston moves constantly up or down to vary the crosssection of the refrigerant path. This piston is driven by an electronically controlled linear stepper motor. The high degree of accuracy with which the piston is positioned ensures that the flow of refrigerant is precisely controlled. The water flow switch configuration This permits automatic control of the minimum water flow setpoint of the water flow switch. The oil heater Aircooled units have one oil heater for each circuit. They are only controlled if the compressor is not operating and in accordance with the outside temperature. Evaporator heater In aircooled units this optional control protects the evaporator and the pipe heater for units without pump against freezing if the unit is off. An optional board is required Connections at the user s terminal block General description The contacts below are available at the user s terminal block on the PD5BASE board see figure of the control board.

Some of them can only be used if the unit operates in remote operating type Remote mode. If the configuration is not correct, an alarm is generated. Depends on the outside temperature. It is only taken into consideration, if the unit is in the remote operating mode Remote mode. This contact is only present, if the energy management option is used. Free cooling option this contact is used to block the operation of the free cooling option. The setpoints can be modified in the setpoint table. Cooling Heating CSP 1 CSP2 HSP1 HSP2 Contact 2 Open Closed Open Closed Voltfree demand limit contact with energy management option For units with the energy management option the demand limit contact 3bis is located on the NRCP2BASE board and contact 3 is on the PD5BASE board. Demand limit is now multiplexed Voltfree demand limit contact without energy management option For units without energy management option, contact 3 is located on the PD5BASE board. The menu or action selection is made by pressing directly on the screen. This allows display and modification of certain operating parameters. It is recommended to use a pen for the navigation via the touch screen. It prevents screen maintenance and allows more precision during the selections. NOTE All images shown for the interface in this document are for illustration purposes. They show English

texts that can be translated into local languages. Each screen contains up to nine parameters. These parameters are selected from the unit points and permit display of the name, value and description of the point. By default five screens are set up at the factory to permit quick access to the unit parameters such as entering water temperature, leaving water temperature, current unit capacity, active setpoint, outside air temperature, discharge and suction pressure etc. Fig. 1 Example of the first default Group display see note in section 4.

1 Adding a point to the Group Display In the main menu select one of the buttons Status, Setpoint, Schedule or Maint. Then select the table that contains the point to add. Select the point to launch the dialogue box. In this box press the add button Use the navigation buttons to select the Group Display and then choose the position. To add the point and return to the Group Display press the validation button Fig. 3 Addition of a point in a Group Display see note in section 4.1 At startup or after a long inactive period the interface goes to the first Group Display screen. The navigation between the screens is via the buttons at the bottom of the screen Personalisation The user can personalise these screens by adding or removing points. If a point is pressed, a dialogue box appears that contains the buttons to remove or force the point. Remove a point from the Group Display In the dialogue box for the point press the button Description of the main menu The button gives access to the main menu. Fig. 4 Main menu Fig. 2 Dialogue box for a Group Display point see note in section 4.1 9 10 Description of the table submenus The following buttons allow access to the status, service, setpoint, maintenance and configuration tables. Simply select the table you want to display Status submenu GENUNIT This table contains the general unit operating parameters, such as the operating status, the current alarms, the unit capacity or the setpoint. STATEGEN This table contains the general unit status parameters, for example the water entering and leaving temperatures, the pump status and the alert or alarm output status. RECLAIM This table contains the heat reclaim option parameters, for example the heat reclaim condenser water entering and leaving temperatures. MODES This table permits the display of the operating modes that are activated. STRTHOUR This table permits the display of the number of operating hours and the number startups for the compressors and pumps.

FANHOURS This table permits the display of the number of operating hours for the fans. FREECOOL This table contains the parameters for the free cooling option, for example the estimated cooling capacity. FACTORY This table contains the main unit configuration, such as the size and the options. This configuration is entered at the factory. FACTORY2 This table contains the detailed unit configuration. This configuration is automatically generated in accordance with the values in the table FACTORY. SERVICE1 This table contains the main unit operating parameters, for example the medium used or the superheat or approach setpoints. UPDTHOUR This table permits updating of the operating hours in the table STRTHOURS when the software application of the main board is reloaded. UPDHRFAN This table permits updating of the operating hours in the table FANHOURS when the software application of the main board is reloaded. MAINTCFG This table permits updating of the values in the preventive maintenance table SERMAINT Submenu Maint The tables in this submenu are for the Carrier service technicians. LOADFACT This table permits the display of the parameters associated with the unit capacity control, for example the current values for 30% and 100%. FANCTRL This table permits the display of the of the parameters associated with fan control, such as the saturated condensing temperature control point. DEFROSTM This table permits the display of the parameters associated with the defrost function. PRLIMIT This table allows the user to find out the compressor operating limits, in heating mode only. SERMAINT This table permits the display of the time remaining before the next preventive maintenance operations. OCCDEFM This table and the associated subtables permit the display of the unit occupation periods Submenu Config. The tables in this submenu are for the Carrier service technicians. DISPCONF This table allows the selection of the language and the unit type for the remote interface.

USER This table allows control of the different user parameters such as the compressor loading type or the validation of the pumps. Direct modification of these tables without going through the procedure described section is not recommended. **OCCDEFCS** This table and the associated subtables permit the configuration of the time schedules, but it is recommended to use the schedule menu section 4.4.2. **HOLIDAY** This table permits the configuration of the holiday periods. **ALARMDEF** This table permits the configuration of the network POC alarms Schedule The following button allows the display of the time schedule tables. **OCC1PO1S** This time schedule table permits the configuration of the unit operating and shutdown time schedules. Updating is required each time the control software has been loaded. Calibrates the touch screen. To carry out the calibration, press the circle at the top left, then the circle at the bottom right. This function is protected by the service password. Configures the customer and service passwords. All passwords are made up of four digits. Displays the CtrlID table that contains information such as the software version, the operating mode and the interface mode. After that simply enter the 4digit password. The button then changes to Logout. Two access levels are possible, the limited mode and the total mode. Fig. 5 Interface configuration menu see note in section 4.1 The following button allows disconnection and return to the read only mode. If the interface is not used for 15 minutes, it is automatically disconnected Table description Reading a point The buttons described in section permit access to the service status, setpoint etc. tables. Once a submenu has been selected, the list of tables is displayed see note in section 4.1 Set the parameter for the time and date format and the unit type to be used. Select the language and type font to be used. Adjust the contrast of the LCD screen.

To increase the contrast, press button To reduce the contrast, press button 11 12 The selection of the required table permits the display of all points present in this table see note in section 4.1 The following button permits access to the modification dialogue box see note in section 4.1 The buttons and permit the display of the previous or next points Modification of a point Writing a point The Setpoint, Service and Configuration tables are accessible in write mode. Example Setpoint table see note in section 4.1 To validate the selection use the button **IMPORTANT** The new value of point csp 2 is only transmitted to the control after quitting the Setpoint table. After one of the following quit buttons is pressed the following dialogue box is displayed see note in section 4.1 **ATTENTION** The new value of point csp2 and any other point modified in this table is transmitted to the control after this window has been validated. When Cooling setpoint 2 is selected in English see note in section 4.1, the following dialogue box appears Forcing a point This concerns the Status and Maintenance tables. The letters MTW. SS represent the days of the week and the H the holidays; the tick indicated under the days shows that they are selected. The time schedules on the right of the screen define the selected time schedule range Modification When a line has been selected, after the password has been entered, the following screen appears see note in section 4.1 The following button permits access to the Forcing dialogue box see note in section 4.1 The days in the time schedule program are indicated at the top of the screen and selectable by clicking the square below. The time schedules can be modified with the arrow buttons. The arrow buttons on the left permit changing the hours, those on the right permit changing the minutes.

To validate the program press the button To validate the selection use the button In this case the new point value is directly transmitted to the control Time schedule table Description The time schedule tables are accessible from the main menu. Two tables are available see section 4.4.2. After one of these two tables has been selected, the following screen appears see note in section 4.1 **ATTENTION** As for the write mode of the points, the modifications in the time schedule program are only applied after quitting the table and validating a confirmation screen see section Reinitialisation of the display To reinitialise the display with the factory parameters leave the finger pressed on the screen when it is switched on. When the screens goes white, remove the finger from the screen. The window below appears. Fig. 6 Unit startup screen see note in section 4.1 The unit startup screen Fig. 6 allows the selection of the operation type. Local on Local schedule CCN mode Remote mode

Master mode Local start The unit is in the local control mode and allowed to start. Clockcontrolled local operation the unit is in local control mode. If the period is occupied, it is allowed to start. If the unit run time schedule is in unoccupied mode, it is kept shut down until the next occupied period. CCN The unit is controlled by CCN commands. Remote the unit is controlled by external contacts. Variable forced to disable the unit is halted. Master control type. The master control type determines whether the unit is to be controlled locally, remotely or through CCN this parameter is a Service configuration. CCN emergency shutdown if this CCN command is activated, it shuts the unit down whatever the active operating type. General alarm the unit is totally stopped due to failure. If there is an alarm or a demand to stop it forces the compressors to the minimum capacity and waits for the slide valve to position itself correctly.

<https://formations.fondationmironroyer.com/en/node/10701>