

# Liebert Challenger Installation Manual

This manual contains important safety instructions that should be followed during the installation and maintenance of the Liebert Challenger 3000™. Read this manual thoroughly before attempting to install or operate this unit. Only qualified personnel should move, install or service this equipment.

Emerson Liebert Challenger 3000  
Installation Manual

Liebert Challenger 3000 with  
Liebert iCOM controls provides  
complete control of temperature,  
humidity, and air filtration for

*Page 1/42*

midsize data center heat management applications. Liebert iCOM controls allow Liebert Challenger 3000 systems to optimize data center thermal management. This data center solution offers an extremely compact footprint, ideal for facilities where space is at a premium.

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## EMERSON LIEBERT CHALLENGER 3000

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## INSTALLATION MANUAL Pdf

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Liebert Challenger 3000 with  
iCOM

View online Installation manual for Emerson Liebert Challenger 3000 Power Supply or simply click Download button to examine the

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Emerson Liebert Challenger 3000 guidelines offline on your desktop or laptop computer.

## Emerson Liebert Challenger 3000 Installation Manual

This manual contains important safety instructions that should be followed during the installation and maintenance of the Liebert Challenger 3000/Liebert Challenger ITR with Liebert iCOM. Read this manual thoroughly before attempting to install or operate this unit. Only qualified personnel should move, install or service this equipment.

Operation & Maintenance Manual -

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50 & 60Hz

Precision Cooling For Business-Critical Continuity™ Liebert® Challenger™ 3000 with Liebert iCOM® Technical Data Manual - Floor Mounted Systems, Nominal 3 & 5 Ton Systems, Air-Cooled, Water/ Glycol-Cooled, GLYCOOL, Chilled Water, Split Systems, 50 & 60 Hz

Liebert Challenger 3000 with Liebert iCOM  
Liebert Challenger™ 3000  
Technical Data Manual - Floor Mounted Systems, Nominal 3 & 5 Ton Systems, Air Cooled, Water/Glycol ... GLYCOOL is a patented Liebert process that can sig-

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nificantly reduce energy costs during periods of low outdoor ambient temperatures.

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Liebert Challenger 3000 Operation and Maintenance Manual  
Liebert Challenger 3000 Perimeter

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Liebert Challenger 3000 Installation Manual [Discontinued Product]  
Brochures and Data Sheets Liebert Challenger 3000 Brochure [Discontinued Product] Technical Specifications Liebert ...

Liebert Challenger 3000 Cooling System | Discontinued Product  
DPN000348 REV 11/11 REV 5  
AIR COOLED LIEBERT CHALLENGER 3000 MODELS  
OPTIONAL FEATURES (Refer to specification sheet for options supplied) **DIGITAL**

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COMPRESSOR Scroll with a suction gas cooled motor, internal centrifugal oil pump, vibration isolating mountings, internal thermal overloads, manual reset high pressure switch, unloading solenoid valve and piping and operates at 3500 RPM @ 60 Hz

## AIR COOLED LIEBERT CHALLENGER 3000 MODELS

- Liebert Challenger 3000—one (5 ton downflow specially configured for use in this Liebert DCR application)
  - DCM rack—minimum of three cabinets and a maximum of six cabinets; Plexiglas® front door, solid rear door, sealed rack design
- 2.3 Liebert

Challenger 3000 Notes • Specially configured for Liebert DCR applications

Liebert DCR – Part of the SmartRow™ Offering  
Liebert CHALLENGER 3000 User Manual • Table 16, Zone leak detection kit installation scenarios • Liebert Conditioners. Manuals Directory ManualsDir.com - online owner manuals library. Search. Directory. Brands. Liebert manuals. Conditioners.

Liebert CHALLENGER 3000 - Manual (Page 52)  
Liebert 610 UPS Installation Manual Three Phase Single

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Module. Two Breaker External  
Maintenance Bypass. NX Series  
UPS. Liebert NX User Manual. ...  
Manuals on Liebert NX models are  
available with us. Get a quote within  
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Control Your Environment.  
SYSTAT

List of Manuals - Liebert  
& Liebert Challenger™ 3000 User  
Manual DATA CENTER  
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Information: (866) 787-3271  
Sales@PTSdcs.com. GENERAL  
SAFETY GUIDELINES Before  
beginning the installation of the  
Liebert Air Econ omizer, read all  
instructions , verify that all the parts

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are included, and check the nameplate to be sure the Liebert Air Economizer voltage ...

Liebert Air Economizer for Liebert DS , Liebert CW ...

Precision Cooling For Business-Critical Continuity™ Liebert Mini-Mate2™ Installation, Operation and Maintenance Manual - 1-1.5 Tons, 50 & 60Hz DATA CENTER SOLUTIONS For More Information:

Liebert Mini-Mate2  
Emerson Liebert CRV Manuals & User Guides. User Manuals, Guides and Specifications for your Emerson Liebert CRV Air Conditioner,

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Computer Hardware, Server.  
Database contains 3 Emerson  
Liebert CRV Manuals (available for  
free online viewing or downloading  
in PDF): Operation & user ' s  
manual .

Emerson Liebert CRV Manuals and  
User Guides, Air ...  
Liebert Liqui-tect® Leak Detection  
Sensors install quickly and work  
simply for reliable detection of  
conductive aqueous fluid leaks. The  
Liqui-tect 460 Sensor provides zone  
protection using the easy-to- install  
and quick-drying Liebert leak  
detection cable. LEDs located on  
the top cover of the module provide  
visual indication. A reset button

Liebert Liqui-tect 460 - Kele  
Liebert Challenger 3000 Installation  
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1978, is the leader in supplying data  
center infrastructure and Edge  
solutions for MN, ND, SD and  
Western WI. Our team provides  
superior end-to-end solutions backed  
by unmatched local data ...

Liebert Challenger 3000 Perimeter  
Cooling System | Data ...  
Liebert Challenger 3000 with  
Liebert iCOM controls provides  
complete control of temperature,

humidity, and air filtration for midsize data center heat management applications. Liebert iCOM controls allow Liebert Challenger 3000 systems to optimize data center thermal management. This data center solution offers an extremely compact footprint, ideal for facilities where space is at a premium.

Liebert Challenger 3000 Perimeter Cooling System | Data ...  
Liebert Challenger 3000 Installation Manual [Discontinued Product] \* \*  
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Liebert CHALLENGER 3000 User Manual • Table 16, Zone leak detection kit installation scenarios • Liebert Conditioners. Manuals Directory ManualsDir.com - online owner manuals library. Search. Directory. Brands. Liebert manuals. Conditioners.

## **Liebert Challenger 3000 with Liebert iCOM**

This manual contains important safety instructions that should be followed during the installation and maintenance of the Liebert Challenger



3000/Liebert Challenger ITR with Liebert iCOM. Read this manual thoroughly before attempting to install or operate this unit. Only qualified personnel should move, install or service this equipment.

### **Liebert Mini-Mate2**

- Liebert Challenger 3000—one (5 ton downflow specially configured for use in this Liebert DCR application)
- DCM rack—minimum of three cabinets and a maximum of six cabinets; Plexiglas® front door, solid rear door, sealed rack design
- 2.3 Liebert Challenger 3000 Notes
- Specially configured for Liebert DCR applications

Liebert 610 UPS Installation Manual  
Three Phase Single Module. Two  
Breaker External Maintenance  
Bypass. NX Series UPS. Liebert NX

User Manual. ... Manuals on Liebert  
NX models are available with us.

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**Liebert Challenger 3000  
Operation and Maintenance  
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Manual [Discontinued Product] \* \*

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our philosophy and we work  
constantly to ensure the highest  
level of satisfaction ...

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SAFETY GUIDELINES Before  
beginning the installation of the  
Liebert Air Econ omizer, read all  
instructions , verify that all the parts  
are included, and check the  
nameplate to be sure the Liebert Air  
Economizer voltage ...

Emerson Liebert CRV Manuals &  
User Guides. User Manuals,  
Guides and Specifications for your  
Emerson Liebert CRV Air  
Conditioner, Computer Hardware,

Server. Database contains 3 Emerson Liebert CRV Manuals (available for free online viewing or downloading in PDF): Operation & user ' s manual .

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Operation & Maintenance Manual - 50 & 60Hz

DPN000348 REV 11/11 REV 5  
AIR COOLED LIEBERT  
CHALLENGER 3000 MODELS  
OPTIONAL FEATURES (Refer to specification sheet for options supplied) DIGITAL COMPRESSOR

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Scroll with a suction gas cooled motor, internal centrifugal oil pump, vibration isolating mountings, internal thermal overloads, manual reset high pressure switch, unloading solenoid valve and piping and operates at 3500 RPM @ 60 Hz

Liebert Challenger Installation Manual

**Liebert Challenger 3000  
with iCOM**

**Liebert DCR-Part of the  
SmartRow™ Offering**

Liebert Challenger™ 3000  
Technical Data Manual -  
Floor Mounted Systems,  
Nominal 3 & 5 Ton

Systems, Air Cooled,  
Water/Glycol ... GLYCOOL  
is a patented Liebert  
process that can sig-  
nificantly reduce energy  
costs during periods of  
low outdoor ambient  
temperatures.

Liebert Liqui-tect® Leak  
Detection Sensors  
install quickly and work  
simply for reliable  
detection of conductive  
aqueous fluid leaks. The  
Liqui-tect 460 Sensor  
provides zone protection  
using the easy-to-  
install and quick-drying  
Liebert leak detection

cable. LEDs located on the top cover of the module provide visual indication. A reset button

## **Liebert Liqui-tect 460 - Kele**

Precision Cooling For Business-Critical Continuity™ Liebert® Challenger™ 3000 with Liebert iCOM® Technical Data Manual - Floor Mounted Systems, Nominal 3 & 5 Ton Systems, Air-Cooled, Water/Glycol-Cooled, GLYCOOL, Chilled Water, Split Systems, 50 & 60 Hz

**EMERSON LIEBERT CHALLENGER**

**3000 INSTALLATION MANUAL Pdf**

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**Liebert Air Economizer for  
Liebert DS , Liebert CW ...**

**Liebert Challenger 3000 -  
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3000 INSTALLATION MANUAL Pdf**

•••

This manual contains  
important safety  
instructions that should be  
followed during the  
installation and maintenance  
of the Liebert Challenger  
3000™. Read this manual  
thoroughly before  
attempting to install or  
operate this unit. Only  
qualified personnel should

move, install or service  
this equipment.

## **Liebert Challenger 3000 with iCOM**

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Challenger 3000 Power Supply  
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button to examine the  
Emerson Liebert Challenger  
3000 guidelines offline on  
your desktop or laptop  
computer.

## **Emerson Liebert Challenger 3000 Installation Manual**

This manual contains  
important safety  
instructions that should be  
followed during the  
installation and maintenance

of the Liebert Challenger 3000/Liebert Challenger ITR with Liebert iCOM. Read this manual thoroughly before attempting to install or operate this unit. Only qualified personnel should move, install or service this equipment.

## **Operation & Maintenance**

### **Manual - 50 & 60Hz**

Precision Cooling For  
Business-Critical  
Continuity™ Liebert®  
Challenger™ 3000 with  
Liebert iCOM® Technical Data  
Manual - Floor Mounted  
Systems, Nominal 3 & 5 Ton  
Systems, Air-Cooled, Water/  
Glycol-Cooled, GLYCOOL,  
Chilled Water, Split

Systems, 50 & 60 Hz

**Liebert Challenger 3000 with  
Liebert iCOM**

Liebert Challenger™ 3000  
Technical Data Manual -  
Floor Mounted Systems,  
Nominal 3 & 5 Ton Systems,  
Air Cooled, Water/Glycol ...  
GLYCOOL is a patented  
Liebert process that can sig-  
nificantly reduce energy  
costs during periods of low  
outdoor ambient  
temperatures.

**Liebert Challenger 3000 -  
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3000 Operation and

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## **Liebert Challenger 3000 Operation and Maintenance Manual**

Liebert Challenger 3000 Perimeter Cooling System has been discontinued. Our recommendation is to look for other similar products from the Room Cooling section. ... Liebert Challenger 3000 Installation Manual [Discontinued Product] Brochures and Data Sheets Liebert Challenger

3000 Brochure [Discontinued  
Product] Technical  
Specifications Liebert ...

**Liebert Challenger 3000  
Cooling System |  
Discontinued Product**

DPN000348 REV 11/11 REV 5

AIR COOLED LIEBERT

CHALLENGER 3000 MODELS

OPTIONAL FEATURES (Refer to  
specification sheet for  
options supplied) DIGITAL  
COMPRESSOR Scroll with a  
suction gas cooled motor,  
internal centrifugal oil  
pump, vibration isolating  
mountings, internal thermal  
overloads, manual reset high  
pressure switch, unloading  
solenoid valve and piping  
and operates at 3500 RPM @

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60 Hz

**AIR COOLED LIEBERT  
CHALLENGER 3000 MODELS**

• Liebert Challenger 3000—one (5 ton downflow specially configured for use in this Liebert DCR application) • DCM rack—minimum of three cabinets and a maximum of six cabinets; Plexiglas® front door, solid rear door, sealed rack design 2.3  
Liebert Challenger 3000  
Notes • Specially configured for Liebert DCR applications

**Liebert DCR—Part of the  
SmartRow™ Offering**

Liebert CHALLENGER 3000 User Manual • Table 16, Zone leak

detection kit installation  
scenarios • Liebert  
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Conditioners.

**Liebert CHALLENGER 3000 -  
Manual (Page 52)**

Liebert 610 UPS Installation  
Manual Three Phase Single  
Module. Two Breaker External  
Maintenance Bypass. NX  
Series UPS. Liebert NX User  
Manual. ... Manuals on  
Liebert NX models are  
available with us. Get a  
quote within 24 hours! GET  
YOUR QUOTE. Control Your  
Environment. SYSTAT



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& Liebert Challenger™ 3000  
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SAFETY GUIDELINES Before  
beginning the installation  
of the Liebert Air Econ  
omizer, read all  
instructions , verify that  
all the parts are included,  
and check the nameplate to  
be sure the Liebert Air  
Economizer voltage ...

**Liebert Air Economizer for**  
**Liebert DS , Liebert CW ...**  
Precision Cooling For  
Business-Critical  
Continuity™ Liebert Mini-

Mate2™ Installation,  
Operation and Maintenance  
Manual - 1-1.5 Tons, 50 &  
60Hz DATA CENTER SOLUTIONS  
For More Information:

## **Liebert Mini-Mate2**

Emerson Liebert CRV Manuals  
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Guides and Specifications  
for your Emerson Liebert CRV  
Air Conditioner, Computer  
Hardware, Server. Database  
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CRV Manuals (available for  
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downloading in PDF):  
Operation & user's manual .

**Emerson Liebert CRV Manuals  
and User Guides, Air ...**  
Liebert Liqui-tect® Leak

Detection Sensors install quickly and work simply for reliable detection of conductive aqueous fluid leaks. The Liqui-tect 460 Sensor provides zone protection using the easy-to-install and quick-drying Liebert leak detection cable. LEDs located on the top cover of the module provide visual indication. A reset button

**Liebert Liqui-tect 460 -  
Kele**

Liebert Challenger 3000  
Installation Manual  
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Data Center Systems, Inc.,

founded in 1978, is the leader in supplying data center infrastructure and Edge solutions for MN, ND, SD and Western WI. Our team provides superior end-to-end solutions backed by unmatched local data ...

**Liebert Challenger 3000  
Perimeter Cooling System |  
Data ...**

Liebert Challenger 3000 with Liebert iCOM controls provides complete control of temperature, humidity, and air filtration for midsize data center heat management applications. Liebert iCOM controls allow Liebert Challenger 3000 systems to optimize data center thermal

managment. This data center solution offers an extremely compact footprint, ideal for facilities where space is at a premium.

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Liebert Challenger 3000  
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and Western WI. Our team provides superior end-to-end solutions backed by unmatched local data ... Liebert Challenger 3000 Perimeter Cooling System has been discontinued. Our recommendation is to look for other similar products from the Room Cooling section. ... Liebert Challenger 3000 Installation Manual [Discontinued Product] Brochures and Data Sheets Liebert Challenger 3000 Brochure [Discontinued Product] Technical Specifications



Liebert ...

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**List of Manuals - Liebert  
AIR COOLED LIEBERT  
CHALLENGER 3000 MODELS  
Emerson Liebert CRV  
Manuals and User Guides,  
Air ...**

**Liebert CHALLENGER 3000 -**

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