



TRANE®

General Service Bulletin

Starter Disconnect Height CVHE, CVHF, CVHG, CDHF, CDHG

Order Number: CTV-SVB09A-EN

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Introduction

The purpose of this bulletin is to discuss information regarding the height above the floor of unit mounted starter disconnect switch and breaker operating handles.

NOTICE: Warnings and Cautions appear at appropriate sections throughout this literature. Read these carefully.

⚠ WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

CAUTION: Indicates a situation that may result in equipment or property-damage only accidents.

Discussion

Direct mounted and transition mounted low voltage starters on some CVHE, CVHF, CVHG, CDHF, and CDHG chillers, with CH530 controls and optional disconnect switches or circuit breakers, may be determined by the customer to have a height above the floor that is too high to allow access to the disconnect handle in an emergency situation.

The operating handle provided on Trane direct and transition mounted starters equipped with an optional disconnect or breaker is not designed or provided for use as an emergency shutoff. The operating handle is provided to facilitate safe unit service by properly trained or experienced technicians.

Should the owner desire the operating handle to also function as an emergency shut-off, it is the responsibility of the owner to confirm compliance with any applicable electrical codes by providing appropriate physical access.

Appropriate physical access to the operating handle can be achieved by different methods including, but not limited to, the installation of steps or a platform beneath the starter, or the installation of a Flexible Operator kit that is available for purchase from the Trane ABU Parts Group. No material or labor reimbursement is authorized for this issue.

Figure 1 shows a typical Flexible Operator kit installed on the lower right-hand corner of a starter panel.

Figure 1: Installed Flexible Operator Kit



⚠ WARNING

Hazardous Voltage!

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout / tagout procedures to ensure the power can not be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

Parts Ordering Information

To determine which Flexible Operator kit is applicable, find the following information on the chiller's unit dataplate:

SRTY = Starter type. This **MUST** be USID or USTR.

PNCO = Disconnect type. Determine if DISC, CB, CBIC, or CBHC.

RLA = Rated Load Amps of the unit.

In the table below, refer to the correct column for the disconnect type (PNCO) that was identified on the unit dataplate. In that column, locate the appropriate RLA range for the unit, then on the left side of the table locate the appropriate Flexible Operator kit.

Trane Part #	PNCO			
	DISC	CB	CBIC	CBHC
KIT09149	RLA = 112 to 200	RLA = 112 to 185	RLA = 112 to 185	RLA = 112 to 185
KIT09150	RLA = 201 to 320	RLA = 186 to 296	RLA = 186 to 296	RLA = 186 to 296
KIT09151	RLA = 321 to 640	RLA = 297 to 606	RLA = 297 to 606	RLA = 297 to 444
KIT09152	RLA = 641 to 960	RLA = 607 to 1120	RLA = 607 to 1120	RLA = 445 to 1120

Obtain the required parts from your local Trane Parts Center.

Example: For a unit with SRTY = USID, PNCO = CBIC, and RLA = 575, the correct part number needed to add a Flexible Operator Kit to the starter would be KIT09151

Note: Kits apply only to USID or USTR starters on CH530 equipped chillers. Installation instructions and drawings are included in the kits.

Note: Newer starter enclosures may be pre-punched to accept the Flexible Operator mechanism, making installation easier. Refer to the instructions provided with the kit.

Questions

For general questions contact the Product Technical Service department in La Crosse at 608-787-3943 or e-mail at TraneService@trane.com.

Contact your local Trane Parts Center for assistance with identification of parts. To identify your local parts location go to www.trane.com and follow the menus to parts and supplies. If you are a Trane Parts Center contact the parts identification team via an e-mail addressed to ABU Parts Identification.



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For more information contact your local district office or e-mail us at comfort@trane.com

Trane has a policy of continuous product data and product improvement and reserves the right to change design and specifications without notice. Only qualified technicians should perform the installation and servicing of equipment referred to in this bulletin.