



APPLICATION BULLETIN



TEM-4001-01
CS-322
April 12, 2021

DEFROST KIT AND FUSE PACKAGE SELECTION

Available in traditional printed literature, or using an online selection tool.

1. Pre-Selected Factory Mounted Options:

The pre-selected option packages on Generation D horizontal airflow condensing units and all vertical airflow condensing units do not include electric defrost kits and fuses. This bulletin serves to define the process required to select the new defrost kits and fuse packages for use on this equipment.

2. Defrost Kit and Fuse Package Literature:

Defrost kit and fuse package selections are based on specific evaporator model that vary with voltage. Each evaporator product line has a specific defrost kit and fuse package selection guide. These guides contain defrost kit and fuse package part numbers along with descriptions for single and dual evaporator defrost configurations. These selection guides are located at the following links:

TTL Two-Way Low Profile Evaporators - <http://docs.t-rp.com/dfk/T30-TTL-DFK.pdf>

TTM Two-Way Medium Profile Evaporators - <http://docs.t-rp.com/dfk/T30-TTM-DFK.pdf>

TLV Low-Velocity Evaporators - <http://docs.t-rp.com/dfk/T30-TLV-DFK.pdf>

TPLP Pre-Assembled Low Profile Evaporators - <http://docs.t-rp.com/dfk/T30-TLP-DFK.pdf>

TLP Low Profile Evaporators - <http://docs.t-rp.com/dfk/T30-TLP-DFK.pdf>

TMP Medium Profile Evaporators - <http://docs.t-rp.com/dfk/T30-TMP-DFK.pdf>

TEP Extended Profile Evaporators - <http://docs.t-rp.com/dfk/T30-TEP-DFK.pdf>

THP High Profile Evaporators - <http://docs.t-rp.com/dfk/T30-THP-DFK.pdf>

Once the defrost kit and fuse package is selected, pricing can be found in the condensing unit list price book and added to the order along with all other condensing unit options. The condensing unit list prices can be found at the following link:

Condensing Unit USA List Price Book - <http://docs.t-rp.com/1090746-2.pdf>

Condensing Unit CANADA List Price Book - <http://docs.t-rp.com/1090747-2.pdf>

Pre-defined defrost kit and fuse package selections are not available when three (3) or more evaporators are to be used with a single compressor. Please contact your regional sales representative or condensing unit product specialist group for assistance with selecting defrost parts for this arrangement: smcu@t-rp.com or md-lgcu@t-rp.com

3. Defrost Kit and Fuse Package Selector Tool:

The defrost kit and fuse package selector tool is a web-based application which will accurately select the correct defrost kit and fuse package for use with a specific evaporator. The following information will be required for a selection: Evaporator Model, AWEF Compliant, Model Type, Application Range, Evaporator Voltage, Motor Type, Evaporator Supply Wiring, and Number of Evaporators. The defrost kit and fuse package selector tool can be found at the following link:

Defrost Kit and Fuse Package Selector - <https://t-rp.com/dfk/>

Once the defrost kit and fuse package is selected, pricing can be found in the condensing unit list price book and added to the order along with all other condensing unit options. The condensing unit list prices can be found at the following link:

Condensing Unit USA List Price Book - <http://docs.t-rp.com/1090746-2.pdf>

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4. ESP+ Evaporators:

Defrost kit and fuse packages are not required when ordering a condensing unit matched to an evaporator utilizing ESP+ Technology

5. Defrost Kit and Fuse Package Literature (Example):

System Selection: TEZA150L8-HT3D condensing unit with two (2) – TEP025LE-S2B Evaporators

TEP Extended Profile Evaporators - <http://docs.t-rp.com/dfk/T30-TEP-DFK.pdf>

Low Temperature, 6 FPI								
TEMP	FPI	# of Fans	Model TEP	Voltage	1 X EVAPORATOR		2 X EVAPORATOR	
					Defrost Kit	Fuse Package	Defrost Kit	Fuse Package
LE - LOW TEMPERATURE	6	1	025LE-S2AD	208-230/1/60	DFK-10	FP-105	DFK-19	FP-118
			025LE-T3AD	208-230/3/60	DFK-14	FP-111	DFK-18	FP-122
			030LE-S2AD	208-230/1/60	DFK-10	FP-105	DFK-19	FP-118
			030LE-T3AD	208-230/3/60	DFK-14	FP-111	DFK-18	FP-122
		2	038LE-S2AD	208-230/1/60	DFK-15	FP-107	DFK-27	FP-119
			038LE-T3AD	208-230/3/60	DFK-14	FP-113	DFK-23	FP-124
			050LE-S2AD	208-230/1/60	DFK-15	FP-107	DFK-27	FP-119
			050LE-T3AD	208-230/3/60	DFK-14	FP-113	DFK-23	FP-124
		3	060LE-S2AD	208-230/1/60	DFK-15	FP-107	DFK-27	FP-119
			060LE-T3AD	208-230/3/60	DFK-14	FP-113	DFK-23	FP-124
			075LE-S2AD	208-230/1/60	DFK-25	FP-109	DFK-34	FP-093
			075LE-T3AD	208-230/3/60	DFK-16	FP-024	DFK-28	FP-016
		4	089LE-S2AD	208-230/1/60	DFK-25	FP-109	DFK-34	FP-093
			089LE-T3AD	208-230/3/60	DFK-16	FP-024	DFK-28	FP-016
			108LE-S2AD	208-230/1/60	DFK-25	FP-092	DFK-36	FP-103
			108LE-T3AD	208-230/3/60	DFK-16	FP-023	DFK-30	FP-035

Once the defrost kit and fuse package is selected, pricing can be found in the condensing unit list price book and added to the order along with all other condensing unit options. The condensing unit list prices can be found at the following link:

Condensing Unit USA List Price Book - <http://docs.t-rp.com/1090746-2.pdf>

Condensing Unit CANADA List Price Book - <http://docs.t-rp.com/1090747-2.pdf>

Pre-defined defrost kit and fuse package selections are not available when three (3) or more evaporators are to be used with a single compressor. Please contact your regional sales representative or condensing unit product specialist group for assistance with selecting defrost parts for this arrangement: smcu@t-rp.com or md-lgcu@t-rp.com

6. Defrost Kit and Fuse Package Selector Tool (Example):

System Selection: TEZA150L8-HT3D condensing unit with two (2) – TEP025LE-S2B Evaporators

Defrost Kit and Fuse Package Selector - <https://t-rp.com/dfk/>

Defrost Kit and Fuse Package Selector

This tool can be used to ensure the correct defrost kit and fuse package is selected based on the evaporator criteria entered below. The output results should be used for ordering these options with matching condensing unit.

DEFROST KIT INCLUDES: Time clock, contactors & fuse blocks
FUSE PACKAGE INCLUDES: Fuses

EVAPORATOR MODEL NUMBER

If you don't know your model number, please fill in the four fields below:

AWEF COMPLIANT

EVAPORATOR MODEL TYPE

EVAPORATOR APPLICATION RANGE

EVAPORATOR VOLTAGE

EVAPORATOR MOTOR TYPE

Once your model number has been determined, please fill in the following two fields:

EVAPORATOR POWER SUPPLY WIRING

NUMBER OF EVAPORATORS

OUTPUT

DEFROST KIT PART NUMBER

OPTIONAL FUSE PACKAGE PART NUMBER

CONDENSING UNIT DEFROST KIT SUFFIX CODE

Once the defrost kit and fuse package is selected, pricing can be found in the condensing unit list price book and added to the order along with all other condensing unit options. The condensing unit list prices can be found at the following link:

Condensing Unit USA List Price Book - <http://docs.t-rp.com/1090746-2.pdf>
Condensing Unit CANADA List Price Book - <http://docs.t-rp.com/1090747-2.pdf>

Pre-defined defrost kit and fuse package selections are not available when three (3) or more evaporators are to be used with a single compressor. Please contact your regional sales representative or condensing unit product specialist group for assistance with selecting defrost parts for this arrangement: smcu@t-rp.com or md-lgcu@t-rp.com



Additional Resources:

Trenton Refrigeration website: <https://t-rp.com>

Products Affected:

TTL Two-Way Low Profile Evaporators - <http://t-rp.com/ttl>
TTM Two-Way Medium Profile Evaporators - <http://t-rp.com/ttm>
TLV Low-Velocity Evaporators - <http://t-rp.com/tlv>
TLP Pre-Assembled Low Profile Evaporators - <http://t-rp.com/tlplp>
TLP Low Profile Evaporators - <http://t-rp.com/tlp>
TMP Medium Profile Evaporators - <http://t-rp.com/tmp>
TEP Extended Profile Evaporators - <http://t-rp.com/tep>
THP High Profile Evaporators - <http://t-rp.com/thp>

Related Product Specialist Groups:

For Small Condensing Units: smcu@t-rp.com 1-844-893-3222 ext. 521
For Medium or Large Condensing Units: mdcu-lgcu@t-rp.com 1-844-893-3222 ext. 522

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