

NO: 2024010084
DATE: 2nd August 2024
TO: Refrigeration Customers
FROM: Copeland MEA
SUBJECT: Launch of ZXD091BE-TFD-521; phase out of BOM '551' ZXD models and 3 HP ZXD model

As part of continuous efforts on product improvement, Copeland is pleased to announce some changes as below:

1. New CDU 'ZXD091BE-TFD-521' Release

New model ZXD091BE-TFD-521 will replace current model ZXD090BE-TFD-521. The major purpose of this release is to enhance the product performance and its robustness by enlarging the operating envelope.

The main changes include:

- Improved performance with 5% higher efficiency and similar cooling capacity
- Larger operating envelope by extending maximum evaporating temperature from 0°C to 5°C
- 'B8' heat exchanger is replaced by 'BX4', in line with supplier product upgrade

The new performance data is listed in Table 1, and the enlarged operating envelope is shown in Figure 1.

Table 1. Performance Details

Performance	ZXD091BE-TFD-521	
	R404A	R448A, R449A
Capacity, kW	15.0	13.8
COP, W/W	2.39	2.46

Note: performance at -7/32/18°C (Evap.T/Amb.T/RGT)

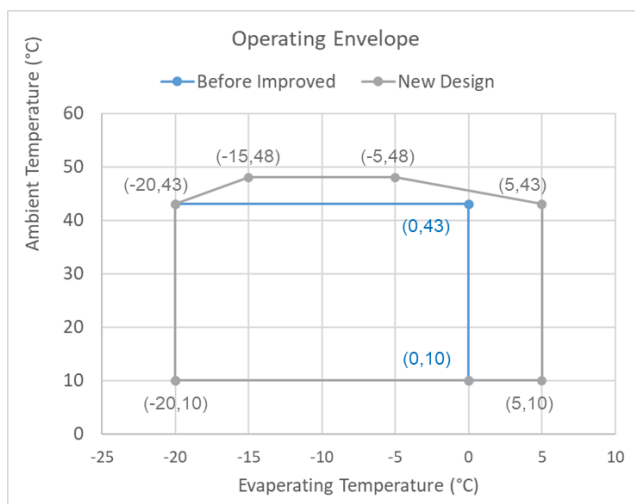


Figure 1. New ZXD091BE operating envelope

There are no changes in unit sound performance, appearance, dimensions and connecting size as compared to the ZXD090.

The main service parts changes are listed in Table 2

Table 2. Main Service Parts Changes

Item	Description	Old ZXD090BE-TFD-521/551	New ZXD091BE-TFD-521
1	Compressor	ZXD78KVE-TFD-5L0	ZXD61KVE-TFD-557
2	Controller	543-0225-06	543-0225-43
3	PHE Kit	528-2962-04	528-4053-05
4	Oil Separator	066135	066136

ZXD090BE-TFD-521/551 will be phased out, **effective immediately**.

2. Obsolescence of '551' BOM & discontinuation of 3HP ZXD model

All digital ZX condensing units earlier available with '551' bill of material will now be available with **'521' BOM only**. '521' BOM additionally comes with UL /PED certification for the receiver and pressure relief valve. Please refer our catalog for more details on BOM.

Further note that 3 HP ZXD in both '551' and '521' bill of material is being discontinued.

Please note obsolete and their equivalent models are listed in table below:

Obsolete Models	Equivalent Models
ZXD030BE-TFD-521	-----
ZXD030BE-TFD-551	-----
ZXD040BE-TFD-551	ZXD040BE-TFD-521
ZXD050BE-TFD-551	ZXD050BE-TFD-521
ZXD060BE-TFD-551	ZXD060BE-TFD-521
ZXD075BE-TFD-551	ZXD075BE-TFD-521
ZXD076BE-TFD-551	ZXD076BE-TFD-521
ZXD090BE-TFD-551	ZXD091BE-TFD-521
ZXLD090BE-TFD-551	ZXLD090BE-TFD-521

All the changes along with new model ZXD091BE-TFD-521 will be available for shipments from Dammam plant effective 1st Oct 2024.

If any additional information is required, please contact your Copeland sales office or application engineering in your region.

