

# Copeland high capacity outdoor refrigeration units

*This range of outdoor refrigeration units with scroll compressors offers a solution to the increasing demand for high capacity units.*

These refrigeration units are designed to match the high quality requirements of the food retail sector.

The range of air-cooled scroll outdoor units is an assembly of high quality components which are adjusted for efficient and reliable operation. Digital scroll compressors offer continuous capacity modulation to match exactly the demand of the application. The EC-fans remove the heat from the condenser in the most efficient and silent way.

The state-of-the-art electronic controller allows for precise adjustment and control of all relevant parameters and comprises numerous electronic protection functions for highly reliable operation.

The units are available for medium and low temperature applications and are compliant with EcoDesign Directive.

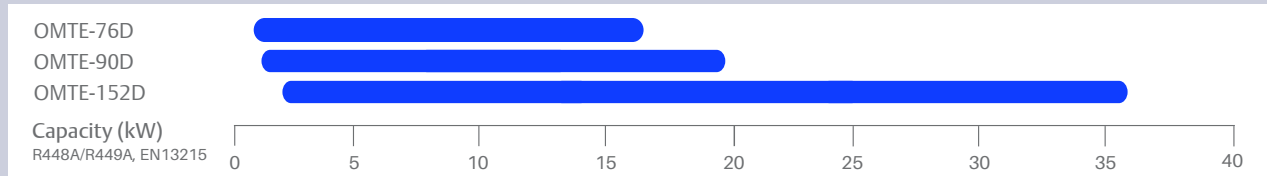


The refrigeration units are the future-proof choice for various target applications:

- Supermarkets
- Convenience stores
- Forecourt sites
- Cold rooms
- Fast food stores

## Copeland OM/OL large scroll refrigeration unit line-up

### Medium temperature models



### Low temperature models



## Technical overview

Models	Compressors	Capacity (kW)	Receiver Capacity (l)	Width/Depth/Height (mm)	Net Weight (kg)	Motor Version/ Code	Sound Pressure @10m - d(BA)***
						3 Ph**	
Medium Temperature Models							
OMTE-76D	ZBD38 + ZB38	16.65	20	1574/920/1150	383	TFD	45
OMTE-90D	ZBD45 + ZB45	18.95	20	1574/920/1150	386	TFD	45
OMTE-152D	ZBD76 + ZB76	33.90	30	2303/920/1150	565	TFD	45
Low Temperature Models							
OLE-49	ZF49	8.99	20	1574/920/1150	320	TFD	44
OLTE-82D	ZFD41 + ZF41	13.50	31	2300/920/1135	511	TFD	45

Conditions EN13215: R448A/R449A, Evaporating Temperature MT -10°C/ LT -35°C, Ambient Temperature 32°C, Suction Gas Return 20°C

\*\* 3 Ph: 380-420V/ 50Hz

\*\*\* @ 10m: sound pressure level at 10m distance from the compressor, free field condition

## Features and benefits

### Designed to the quality requirements of the retail sector

- High quality electrical board layout with rescue mode
- Advanced electronic protection, alarm history
- Remote monitoring capability (Modbus)
- Leak detection

### Minimizes operating cost

- Intelligent electronic system controller
- High efficiency scroll compressors
- Continuous capacity modulation 5...100%
- Set point optimized to the evaporator group of each circuit
- Ready for heat recovery

### Wide choice of refrigerants

- Multiple refrigerant approvals: R407A/F, R448A/ R449A, R404A, R134a, R450A and R513A.
- Enabling F-Gas compliance (GWP limit 2500)

### Minimizes capital investment

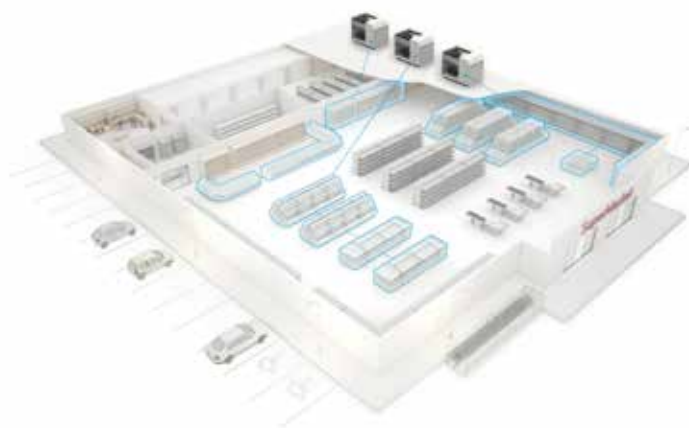
- Enabling de-centralized multiple unit architecture for lower investment cost
- Ability to use standard installation equipment
- No machine room required

### Quiet operation

- 44-45 dB(A) at 10m
- Low sound scroll compressors with sound attenuation
- Latest generation EC fans

### Easy to install & service, "Plug & Play"

- Pre-configured but also adjustable parameters
- Easy access to controller and components



For more details, see [copeland.com/en-gb](https://copeland.com/en-gb)

Copeland Europe GmbH - Pascalstrasse 65 - 52076 Aachen, Germany  
Tel. +49 (0) 2408 929 0 - Fax: +49 (0) 2408 929 570 - Internet: [copeland.com/en-gb](https://copeland.com/en-gb)

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