



## **New OPTYMA PLUS™ Units including Scroll compressor models - Discover a new dimension of silent, high performance, plug and play solutions**

**Complementing the range of Danfoss compressors, the MLZ series of refrigeration scroll compressor is also the basic ingredient for the new platform of OPTYMA PLUS™ scroll condensing units which are now available from Danfoss. The new range with scroll technology inside, complements the existing range of hermetic reciprocating compressor units. Your “best seller” now has dual technology.**

The OPTYMA PLUS™ condensing units are the neatest and quietest condensing units we have ever designed. Available in a full range of sizes and housed in a weatherproof casing, they provide the perfect fit for any classical commercial refrigeration application. Best of all, they are built exclusively using original Danfoss controls for ultimate performance and reliability. With 9 new models with scroll technology inside and 2 new recip versions for R404A/ R507 MBP applications built around our SC 12MLX and GS 26MLX, Danfoss now offers a fully optimized range of energyefficient, low noise, plug and play cooling solutions for applications such as:

- Cold stores and freezer rooms
- Beer and wine cellars
- Small food retail and mini markets
- Garage forecourt shops



### ***Mastering sound levels***

By building the OPTYMA PLUS™ condensing units around a powerful and efficient new scroll compressor, we have been able to further reduce the noise level and increase the overall efficiency. Acoustic insulation, special internal design of the engine part in the housing, and fan speed reduction during low capacity operation periods makes the operation of OPTYMA PLUS™ so smooth and quiet that it will not disturb the peace in your local environment.



## Easy to install

All units are designed for outdoor use and are protected by a robust, weather proof housing in a compact and stylish design that enables easy handling and installation. All units are supplied with a fully prewired IP 54 electrical box and all key components already fitted, making commissioning effortlessly simple: just mount the unit, charge the system and switch on the power, and the cooling process is up and running. The use of the new lightweight scroll compressor which weighs up to 50% less than equivalent competitors' semi-hermetic models and is lighter than competing scroll & hermetic piston designs, has enabled us to offer a small and compact design of the units, making them very easy to handle and to maintain. The units fit into the smallest spaces but still leave enough room for the installer to access to the components easily, such as the sightglass being visible from the outside, which aids considerably any service work. Full compatibility with the OPTYMA™ controller is another benefit to the installer.

## Danfoss standard technology inside

Built exclusively with Danfoss own technologies and components, factory wired and tested, OPTYMA PLUS™ condensing units are a perfect cooling solution for typical food retail, petrol forecourt sites and cold room applications. The fact that scroll's are real multi-refrigerant compressors, meaning that they can work with R134a and R404A/R507, guarantees that all needs will be fulfilled without complicating the choice. Your Danfoss Partner Wholesaler and Danfoss application engineers can help you select the right solution to meet energy, regulatory and environmental requirements.

### Overview – OPTYMA PLUS™ Packed Condensing Units with Scroll Compressor , MBP

Unit	Code no.	Compressor	Hp	Voltage/~/ (50 Hz)		Cooling capacity in watts at evaporating temperature [°C] *				Sound pres- sure level 10 m dB(A)†	Available from
						-10	-5	0	+5		
						[W]	[W]	[W]	[W]		
				Compressor	Fan						
OP-MPUC 034	114X4260	MLZ015	2	230V/1~	230V/1~	3624	4283	4995	5761	37	Q3- 2009
OP-MPUC 034	114X4263	MLZ015	2	400V/3~	230V/1~	3624	4283	4995	5761	37	Q3- 2009
OP-MPUC 046	114X4280	MLZ021	3	230V/1~	230V/1~	4763	5540	6379	7277	38	Q2- 2009
OP-MPUC 046	114X4283	MLZ021	3	400V/3~	230V/1~	4763	5540	6379	7277	38	Q2- 2009
OP-MPUC 068	114X4310	MLZ030	4	400V/3~	230V/1~	7094	8354	9745	11262	40	Q2- 2009
OP-MPUC 080	114X4323	MLZ038	5	400V/3~	230V/1~	8522	9981	11566	13268	40	Q2- 2009
OP-MPUC 107	114X4343	MLZ048	6 1/2	400V/3~	230V/1~	10405	12064	13849	15762	45	Q2- 2009
OP-MPUC 125	114X4413	MLZ058	7 1/2	400V/1~	230V/1~	13725	16299	19093	22084	47	Q2- 2009
OP-MPUC 162	114X4433	MLZ076	10	400V/3~	230V/1~	17597	20346	23359	26639	47	Q2- 2009

\*Cooling capacities for R404A Conditions at: preliminary data in final certification process

- Ambient temp.: 32°C
- Superheat: 10K (SH10K)
- Subcooling: OK

For more information about the entire Danfoss OPTYMA PLUS™ range contact your local Danfoss wholesale partner to receive a copy of the new brochure.