



Optyma™ Slim Pack

Lightweight size. Heavyweight performance.
Benefit from the new cost-effective packaged solution!

For medium-temperature refrigeration applications ranging from 2.1 to 10.6 kW.

Compact

Light weight. Space-saving design

Easy to handle and to install. For indoor and outdoor applications where space is at a premium.

ErP compliant

Energy-related Products Directive

Optyma Slim Pack meets the new European energy standards





Lightweight size. Heavyweight performance.

For the safety of refrigerated products and for easy handling

Reliability, compactness and low cost make the Danfoss Optyma™ Slim Pack condensing unit a favourite cooling solution for cost-effective refrigeration.



High reliability for food and good safety

- The Optyma™ Slim Pack condensing unit is equipped with Danfoss components that are optimised to work together: compressor, controls, heat exchanger. It's a smart way to obtain high performance and reliability
- The Danfoss heavy-duty scroll technology makes the unit sturdy and provides long-term reliability
- Voltage relay protects from voltage variations
- 100% factory testing of the units reduces risk of leakage
- Danfoss scroll technology guarantees quiet, vibration-free operation.



Compact and light for transport and handling

The system is designed to perfectly fit into a light, compact housing.

The Optyma™ Slim Pack weighs up to 87 kg. It is the lightest solution on the market, weighing from 15 to 60 kg less than alternative outdoor solutions. It delivers energy efficiency with its low power factor.

The similar footprints of the two housings used allow the use of a single standard bracket for wall mounting, optimising the number of parts it is necessary to keep in stock.



Tailored for outdoor use

The Danfoss Optyma™ Slim Pack is designed for indoor or outdoor conditions:

- The micro-channel heat exchangers and the housing are corrosion resistant
- The housing is galvanized and painted to ensure a long lifetime, and has passed the 400-hour salt spray test
- The unit provides IP54 electrical board protection.



Easy from day 1 - saves time and money:

- Easy selection with Danfoss online selection tools
- Easy to handle and transport thanks to the compact design
- Easy to install, with quick connections
- Stock optimisation with multi-refrigerant scroll compressors
- Easy-to-clean micro-channel heat exchangers, ensuring longer lifetime and optimised efficiency
- The reliable Danfoss compressor and micro-channel heat exchanger reduce maintenance and improve uptime
- One-stop shopping available to buy the Optyma™ Slim Pack with well-known refrigeration components equipment
- Integrates easily into its surroundings thanks to its aesthetic design.

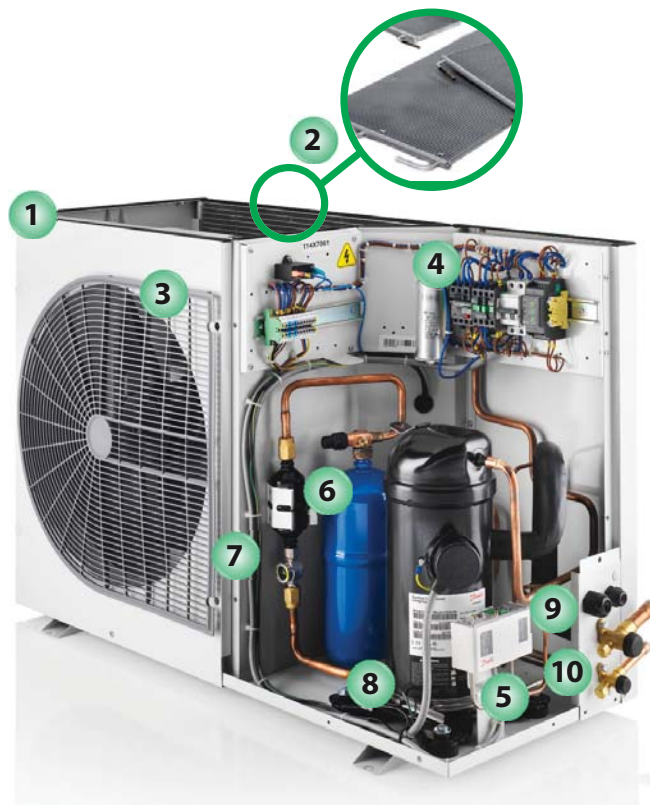


Superior safety at low costs:

1. Resistance to corrosion of the heat exchanger and housing prolongs the lifetime of the unit
2. Micro-channel heat exchanger is light and easy to clean
3. Accessible fan and condenser for easy maintenance
4. Accessible pre-wired electrical junction panel enables easy servicing
5. Dual KP17WB pressure control for enhanced safety
6. Receiver with shut-off valve makes servicing easier
7. Filter drier and sight glass protect the unit from moisture, acids and solid particles. Flare connections simplify maintenance
8. Crankcase heater protects the compressor when operating under cold weather conditions
9. Quick connections accelerate installation: just mount, braze and plug.
10. Accessible service ports on service valves (suction and liquid)

Up to 35%

savings on refrigerant
with micro-channel heat
exchanger is environ-
mentally friendly.



All models are fitted with Danfoss scroll compressors

Slim range designed for medium-temperature refrigeration

The Optyma™ Slim Pack provides cooling capacities from 3.4 to 10.6 kW in medium-temperature applications when using R404A, and from 2.1 to 6.7 kW when operating with R134a. It is suitable for cold rooms, fermentation rooms and cold storage space in all kinds of convenience stores and restaurants.



MBP applications:

- Mini-markets, supermarkets
- Restaurants
- Wine cellars
- Fish markets
- Butchers' shops
- Bakeries
- Laboratories
- Florists
- Petrol stations
- Industrial processes
- Milk cooling
- Dairy and general food storage

Make your choice!

Optyma™ Slim Pack units operate in the following evaporating temperature ranges:

- MBP R404A/R507: -20°C to +10°C
- MBP R134a: -15°C to +15°C

For more information, please refer to the Coolselector software or the technical catalogue.

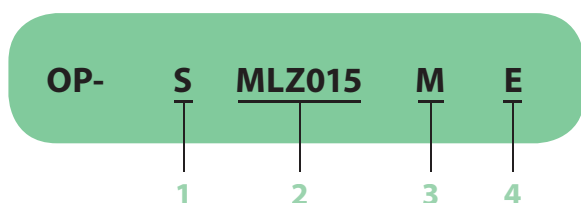
Model and cooling capacity by cold room type	Meat +1°C - 18h		Fish +1°C - 18h		Laboratories +12°C - 18h		Food & Vegetables +8°C - 18h		Food & Vegetables 0°C - 18h		Butter, Eggs, Cheese +5°C - 18h	
	Cap. (W)	CR* (m³)	Cap. (W)	CR* (m³)	Cap. (W)	CR* (m³)	Cap. (W)	CR* (m³)	Cap. (W)	CR* (m³)	Cap. (W)	CR* (m³)
SMLZ015ME	3 700	45	3 700	45	4 800	40	4 800	120	3 700	45	4 050	65
SMLZ021ME	4 850	60	4 850	60	6 250	60	6 250	180	4 850	65	5 350	85
SMLZ026ME	5 500	75	5 500	75	7 300	75	7 300	210	5 500	75	6 250	110
SMLZ030ME	7 850	110	7 850	110	10 350	150	10 350	280	7 850	120	8 750	160
SMLZ038ME	9 100	140	9 100	140	11 950	180	11 950	350	9 100	140	10 150	200
SMLZ045ME	10 800	170	10 800	170	13 800	210	13 800	430	10 800	170	11 750	245
SMLZ048ME	11 350	180	11 350	180	14 700	220	14 700	450	11 350	180	12 550	260

Data relate to +32°C ambient temperature; please refer to Danfoss for other working conditions. Cold room data: Temperature - Daily working hours. * Volume of cold room.

Unit	Code	Compressor	Amb. temp. °C	R404A Cooling capacity range in [W] at evap. temp.						Power consumption [W] at evap. temp. -10°C	COP 32°C amb. -10°C evap.	Dimensions and weight			
				-15°C	-10°C	-5°C	0°C	+5°C	+10°C			Height [mm]	Width [mm]	Depth [mm]	Kg net
OP-SMLZ015MG	114X7061	MLZ015	27	3 100	3 750	4 450	5 250	6 150	7 100	1 700	2.0	695	1 106	464	66
			32	2 800	3 400	4 050	4 800	5 650	6 550						
			38	2 400	2 950	3 600	4 250	5 000	5 800						
OP-SMLZ015ME	114X7062	MLZ015	43	2 100	2 600	3 150	3 750	4 450	5 200	1 700	2.0	695	1 106	464	66
			27	4 100	4 950	5 850	6 800	7 900	9 100						
			32	3 750	4 500	5 350	6 250	7 250	8 400						
OP-SMLZ021MG	114X7063	MLZ021	38	3 350	4 000	4 750	5 550	6 500	7 500	2 300	1.96	695	1 106	464	66
			43	2 950	3 550	4 200	4 950	5 800	6 750						
			27	4 900	5 850	6 900	8 000	9 200	10 500						
OP-SMLZ026MG	114X7065	MLZ026	32	4 500	5 350	6 250	7 300	8 400	9 600	3 050	1.75	695	1 106	464	66
			38	3 900	4 650	5 500	6 450	7 450	8 550						
			43	3 400	4 100	4 850	5 700	6 600	7 600						
OP-SMLZ026ME	114X7066	MLZ026	27	6 600	7 950	9 500	11 200	13 100	15 200	3 050	1.75	695	1 106	464	66
			32	6 050	7 300	8 750	10 350	12 150	14 100						
			38	5 400	6 550	7 850	9 300	10 950	12 800						
OP-SMLZ030MG	114X7067	MLZ030	43	4 800	5 850	7 050	8 400	9 900	11 600	3 200	2.28	695	1 106	464	66
			27	7 700	9 250	11 000	12 950	15 100	17 500						
			32	7 050	8 500	10 150	11 950	13 950	16 200						
OP-SMLZ030ME	114X7068	MLZ030	38	6 250	7 550	9 050	10 700	12 550	14 600	3 200	2.28	695	1 106	464	66
			43	5 600	6 750	8 100	9 600	11 300	13 200						
			27	9 000	10 800	12 800	15 000	17 400	20 000						
OP-SMLZ038MG	114X7069	MLZ038	32	8 250	9 900	11 750	13 800	16 050	18 500	3 850	2.21	830	1 106	464	87
			38	7 250	8 750	10 450	12 300	14 350	16 650						
			43	6 400	7 750	9 300	11 000	12 900	15 000						
OP-SMLZ038ME	114X7070	MLZ038	27	9 700	11 600	13 700	16 000	18 550	21 350	3 850	2.21	830	1 106	464	87
			32	8 850	10 600	12 550	14 700	17 050	19 700						
			38	7 800	9 350	11 100	13 050	15 200	17 650						
OP-SMLZ045ME	114X7071	MLZ045	43	6 900	8 300	9 850	11 650	13 650	15 900	4 800	2.06	830	1 106	464	87
			27	9 700	11 600	13 700	16 000	18 550	21 350						
			32	8 850	10 600	12 550	14 700	17 050	19 700						
OP-SMLZ048ME	114X7072	MLZ048	38	7 800	9 350	11 100	13 050	15 200	17 650	5 250	2.02	830	1 106	464	87
			43	6 900	8 300	9 850	11 650	13 650	15 900						
			27	9 700	11 600	13 700	16 000	18 550	21 350						

Conditions: MBP measured according to EN13215 @ -10°C suction, +32°C ambient, superheat 10K, subcooling within the limits of the compressor. Values refer to 3-phase units.

Designation system for the Optyma™ Slim Pack ranges



1	Model: S= Optyma™ Slim Pack
2	Compressor model
3	Application M= Medium Back Pressure
4	Voltage code: G= 230V/1-phase compressor & fan E= 400V/3-phase compressor & 230V/1-phase fan

For more information, please contact your Danfoss sales office

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