

Optyma™ Slim Pack

Lightweight size. Heavyweight performance.

Benefit from the cost-effective packaged solution!

Optyma™ Slim Pack for medium-temperature refrigeration applications ranging from 2 to 7 HP and low-temperature applications ranging from 1.5 to 6 HP.

Compact

Light weight. Space-saving design. Easy to handle and to install





Lightweight size. Heavyweight performance.

For the safety of refrigerated products and for easy handling

Reliability and compactness 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 and reciprocating technologies make the unit sturdy and provides long-term reliability
- Voltage relay protects from voltage variations
- 100% factory testing of the units reduces risk of leakage.



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.



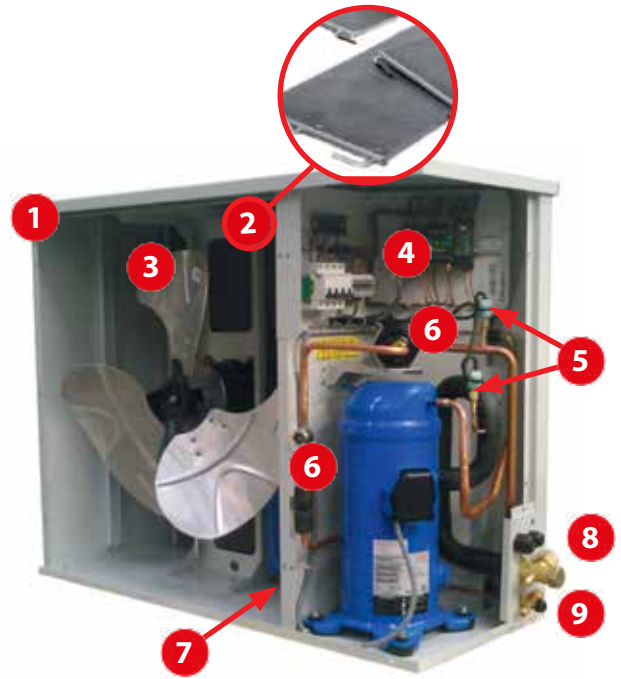
Easy from day 1 - saves time and money:

- 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 of the cost-effective packaged solutions:

01. Resistance to corrosion of the heat exchanger and housing prolongs the lifetime of the unit
02. Micro-channel heat exchanger is light and easy to clean
03. Accessible fan and condenser for easy maintenance
04. Accessible pre-wired electrical junction panel enables easy servicing (for version W04)
05. Safety cartridge pressure switches HP & LP
06. Filter drier and sight glass protect the unit from moisture, acids and solid particles. Flare connections simplify maintenance
07. Receiver with shut-off valve makes servicing easier
08. Quick connections accelerate installation: just mount, connect piping and plug.
09. Accessible service ports on service valves (suction and liquid)
 - Solenoid valve (available with version W02) protects compressor from liquid flooding back
 - Crankcase heater (available with LBP units) protects the compressor when operating under cold weather conditions



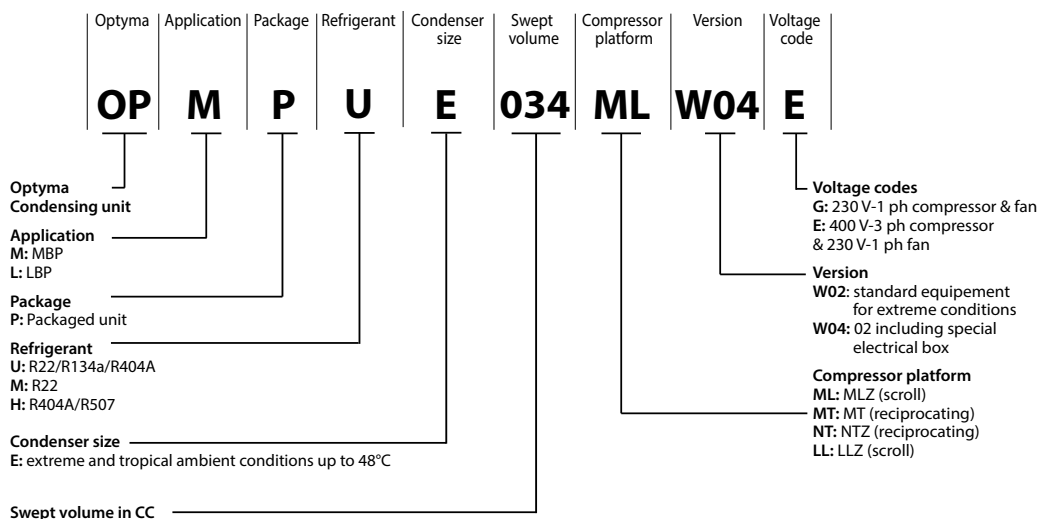
Slim range designed for medium and low-temperature refrigeration

The Optyma™ Slim Pack provides cooling capacities from 2 to 7 HP in medium-temperature applications using R22, R404A, R134a. It is suitable for cold rooms, fermentation rooms and cold storage space in all kinds of convenience stores and restaurants. In LBP, it provides from 1.5 to 6 HP for freezers and cold rooms.



- MBP and LBP applications:**
- Mini-markets, supermarkets
 - Milk cooling
 - Dairy and general food storage
 - Restaurants
 - Fish markets
 - Bakeries
 - Laboratories
 - Florists
 - Petrol stations
 - Industrial processes
 - Wine cellars
 - Cold rooms, freezers

Designation system for the Optyma™ Slim Pack ranges



Make your choice!

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

- MBP R22/R404A/R507: -20°C to +10°C
- MBP R134a: -15°C to +15°C
- LBP R404A: -40°C to -10°C

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

Model and cooling capacity by cold room type	Nominal HP	Meat +1°C - 18h		Fish +1°C - 18h		Laboratories +12°C - 18h		Fruits & Vegetables +8°C - 18h		Fruits & Vegetables 0°C - 18h		Butter, Eggs, Cheese +5°C - 18h		Freezers -18°C - 16h	
		Cap. (W)	CR* (ft³)	Cap. (W)	CR* (ft³)	Cap. (W)	CR* (ft³)	Cap. (W)	CR* (ft³)	Cap. (W)	CR* (ft³)	Cap. (W)	CR* (ft³)	Cap. (W)	CR* (ft³)
OP-MPUE034	2.0	3720	1000	3720	1000	5360	2500	4700	1500	3590	1000	4410	1500		
OP-MPME048	2.0	4190	1000	4190	1000	6040	2500	5300	1500	4050	1000	4970	1500		
OP-MPUE046	3.0	4920	1750	4920	1750	7080	3500	6220	2750	4750	1750	5830	2750		
OP-MPME060	3.0	5100	1750	5100	1750	7340	3500	6440	2750	4920	1750	6040	2750		
OP-MPUE057	3.5	5520	2000	5520	2000	7950	4000	6980	3000	5330	2000	6550	3000		
OP-MPUE068	4.0	8080	2750	8080	2750	11640	5500	10220	3500	7800	2750	9580	3500		
OP-MPUE080	5.0	9400	3500	9400	3500	13530	7500	11880	6000	9070	3500	11140	6000		
OP-MPUE099	6.0	10600	4500	10600	4500	15270	8500	13400	7000	10230	4500	12560	7000		
OP-MPUE108	7.0	11770	6000	11770	6000	16950	10000	14880	8500	11360	6000	13950	8500		
OP-LPHE048	1.5													1400	400
OP-LPHE068	2.0													2100	600
OP-LPHE067	3.5													3400	900
OP-LPHE084	5.0													4050	1500
OP-LPHE098	6.0													4650	1750

Data relate to +43°C ambient temperature, MBP R22; LBP R404A. Cold room data: Room Temperature - Daily working hours. *Volume of cold room in Cubic feet.

MBP Models	Version		Phases	Compressor	R22 - Ambient temperature +43 °C							Power consumption at evap temp -5°C [W]	COP -5°C evap. temp	Weight & Dimensions				
	W02	W04			Cooling capacity in [W] at evaporating temperature [°C]									Weight net (kg)	Height (mm)	Width (mm)	Depth (mm)	
					-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C							
OP-MPUE034	114X7015	114X7038	1	MLZ015	2050	2500	3050	3650	4350	5100	5950	2050	1.78	66				
	114X7016	114X7039	3															
OP-MPME048	114X7026	114X7049	1	MT028	1850	2550	3300	4100	5000	6000	7000	2350	1.74	58				
	114X7027	114X7050	3															
OP-MPUE046	114X7017	114X7040	1	MLZ021	2800	3400	4100	4800	5650	6600	7650	2800	1.71	66	695	1106	464	
	114X7018	114X7041	3															
OP-MPME060	114X7028	114X7051	1	MT036	2350	3150	4050	5000	6000	7100	8200	3100	1.61	60				
	114X7029	114X7052	3															
OP-MPUE057	114X7073		1	MLZ026	3300	4100	4900	5850	6850	8000	9250	3500	1.4	66				
	114X7074		3															
OP-MPUE068	114X7019	114X7042	1	MLZ030	4200	5250	6500	7950	9500	11250	13100	3950	2.01					
	114X7020	114X7043	3															
OP-MPUE080	114X7021	114X7044	1	MLZ038	4900	6100	7550	9200	11050	13000	15050	4650	1.98	87	830	1106	464	
	114X7022	114X7045	3															
OP-MPUE093	114X7023	114X7046	1	MLZ042	5450	6800	8450	10400	12600	14950	17500	5550	1.87					
OP-MPUE099	114X7024	114X7047	3	MLZ045														
OP-MPUE108	114X7025	114X7048	3	MLZ048	6400	7900	9650	11550	13650	16050	18600	6150	1.88					

LBP Models	Version		Phases	Compressor	R404A - Ambient temperature +43°C							Power consumption at evap temp -25°C [W]	COP -25°C evap. Temp.	Weight & Dimensions				
	W04				Cooling capacity in [W] at evaporating temperature [°C]									Weight net (kg)	Height (mm)	Width (mm)	Depth (mm)	
					-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C							
OP-LPHE048	114X7053		1	NTZ048	450	700	1000	1400	1800	2250	2800	1600	0.88	61				
	114X7054		3															
OP-LPHE068	114X7055		1	NTZ068	800	1200	1600	2100	2650	3300	3950	2400	0.88	63				
	114X7056		3															
OP-LPHE067	114X7057		3	LLZ013	1600	2100	2700	3400	4150	5050	6100	3650	0.93					
OP-LPHE084	114X7058		3	LLZ015	2000	2550	3250	4050	4950	6050	7300	4250	0.95	75	830	1106	464	
OP-LPHE098	114X7059		3	LLZ018	2300	2950	3750	4650	5750	6950	8350	4750	0.98					

Conditions: LBP and MBP measured according to EN13215, superheat 10K, subcooling 0K. Values refer to 3-phase units.

For more information, please contact your Danfoss sales office

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