

**Performance tables – R404A**

MLZ – medium temperatures

Evap. temp °F Model	Cooling capacity in W / 104°F condensing temperature								ARI				
	-10°F	+0°F	+5°F	+10°F	+20°F	+30°F	+40°F	+50°F	Cooling capacity Btu/h	Power input kW	EER Btu/h/W	Sound power dB(A)	
60 Hz • 460 V / 3-phases	MLZ015	8 500	11 000	12 400	13 900	17 300	21 100	25 600	30 700	11 900	1.90	6.12	68
	MLZ019	11 900	15 000	16 800	18 700	22 900	27 800	33 400	39 900	15 800	2.34	6.75	68
	MLZ021	12 700	16 000	17 900	19 900	24 400	29 600	35 600	42 300	16 800	2.45	6.75	68
	MLZ026	15 800	19 900	22 200	24 700	30 300	36 900	44 300	52 600	21 000	3.07	6.82	70
	MLZ030	18 600	23 400	26 100	29 000	35 700	43 300	52 100	62 100	25 200	3.64	6.94	73
	MLZ038	22 200	28 100	31 400	34 900	42 700	51 800	62 300	74 400	30 100	4.30	6.94	74
	MLZ045	27 000	34 000	38 000	42 200	51 800	62 900	75 700	90 100	36 200	5.20	6.88	74
	MLZ048	29 500	37 100	41 400	46 200	56 700	68 900	82 800	98 300	39 400	5.60	6.98	75
	MLZ058	33 200	42 800	48 300	54 300	67 700	83 000	100 300	119 800	45 600	6.70	6.74	77
	MLZ066	39 900	50 300	56 200	62 600	76 900	93 500	112 600	134 100	541 00	7.50	7.17	77
	MLZ076	46 300	58 000	64 600	71 700	87 800	106 800	128 900	154 600	60 300	8.60	6.98	77

Available with rotolock or braze connections

LLZ – low temperatures

R404A (preliminary data)	ARI - 60Hz	
	Capacity (Btu/h)	
LLZ013	13 150	
LLZ015	16 000	
LLZ018	19 000	
LLZ024	23 800	
LLZ033	32 600	

Vapor injection - with economizer

R404A (preliminary data)	ARI - 60Hz	
	Capacity (Btu/h)	
LLZ013 - Eco	19 400	
LLZ015 - Eco	22 900	
LLZ018 - Eco	27 400	
LLZ024 - Eco	34 000	
LLZ033 - Eco	46 000	

**Rating conditions:****LLZ for low temperatures:**

ARI LBP evap. -25°F; cond. 105°F; RGT 65°F; subcooling 0°F

Capacity with EVI depends on the subcooling from the heat exchanger

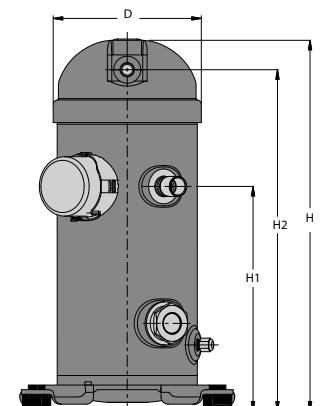
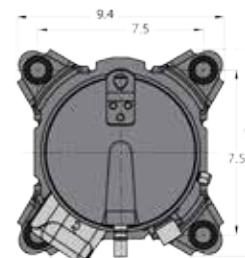
**MLZ for medium temperatures**

50 Hz: EN12900 MBP: evap. temp 16°F; cond. temp 113°F; RGT 68°F, subcooling 0°F

60 Hz: ARI MBP: evap. temp 20°F/-7°C; cond. temp 120°F/49°C; RGT 65°F/18°C; Subcooling: 0°F/0K

**Dimensions**

Dimensions in inch	H	H1	H2	D	Weight
LLZ 013-018	18.8	11.9	14.8	7.2	93
LLZ 024-033	21	13.5	16.3	7.2	101
MLZ 015-026	15.5	9.1	14.2	6.5	68
MLZ 030-048	17.2	10.3	15.9	7.2	82
MLZ 058-076	20.8	13.8	19.6	9.1	99

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Danfoss scroll compressors for refrigeration

# High efficiency and reliability

even in low temperatures

## Cooler than ever!

With MLZ and LLZ series for MBP and LBP refrigeration, take advantage of scroll compressors that are efficient by design. Cut down operating costs and meet the most demanding food standards.  
LLZ & MLZ: the new names in scroll technology!

**-40°C to +10°C**  
**Extended compressor range.**  
Suits rack systems and all applications for refrigeration.





## Danfoss scroll compressors for refrigeration applications in refrigeration

The MLZ and LLZ series are purpose-engineered for applications in refrigeration with respectively medium and low temperatures. They suit all operating conditions in different cooling systems.



### Energy Savings

#### Optimize your system with the scroll compressors for refrigeration

The combination of an energy efficient motor and an optimized scroll wrap for refrigeration applications delivers high efficiency in fixed-speed compressors. Optional vapor injection boosts the cooling capacity and efficiency by more than 20%.



### Reliability

#### Improve your system reliability to reduce your maintenance and warranty costs

Reliability is built into this compressor range, from the compliant scroll design and the engineered bearings to the simplified manufacturing process (30% fewer parts). The patented thermal fault protection also contributes to excellent reliability. A smart way to reduce your field service costs.



### Low sound

#### Improve the sound environment with the lowest sound level in the industry

Scroll technology is quiet by design: the scroll provides smooth continuous compression, the absence of suction and discharge valves, and the unique disc check valve design ensure quiet, vibration-free operations.



### Compactness

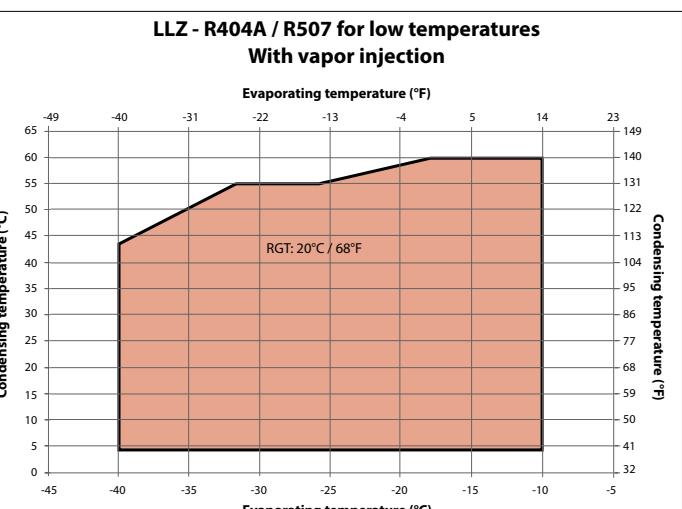
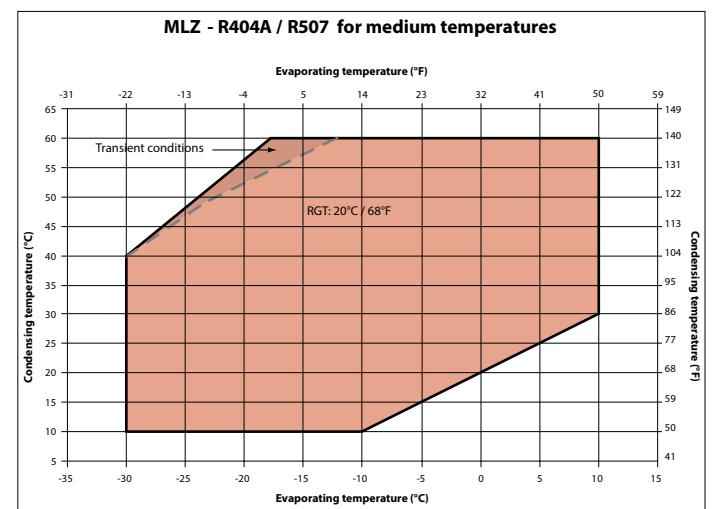
Footprint up to 30% smaller than alternative reduces the logistics costs and frees up space in the system.

**Significant**

annual cost savings  
with vapor injection.

## Wide operating envelopes

comply with all applications in the refrigeration



## Featured for other immediate benefits

- Multi-refrigerant scrolls save on inventory
- Vapor injection available with optional economizer kit increases LLZ efficiency and cooling capacity
- Optional sound jacket attenuates sound levels
- Suitable for transport of refrigerated goods



MLZ compressors may be blue or black depending on the manufacturing origin

