



Danfoss Scroll Compressor Box Type Condensing Units



LUD Series

Danfoss

Products features:

With Danfoss Scroll Compressor
MLM Series, MLZ Series
Horse Power: From 3HP to 15HP
Refrigerant: R22, R404A
Application: Medium Temperature, Low Temperature
Box Type:
A Type: Danfoss type Box with Side Blow and Top Blow
B Type: New Design Box (Integrated modular) with Side Blow



LUD SERIES

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Model Description

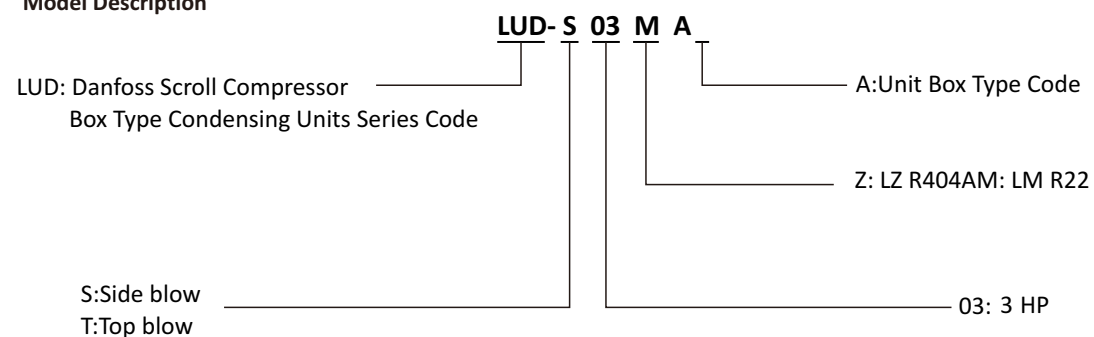
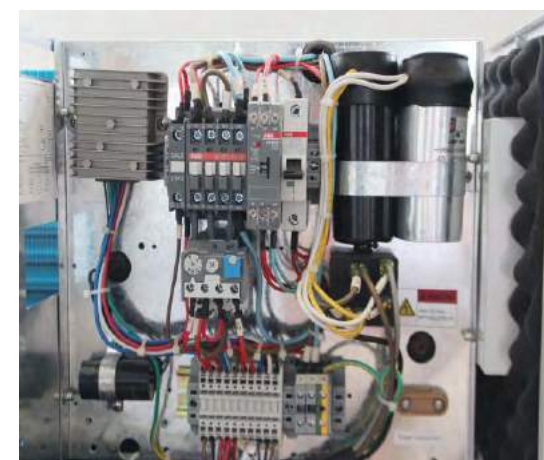


ABB Controller



Wind speed regulator
Capacitor and Contactor



ABB ON/OFF Handle



LP/HP Gauge
Fault Warning
Sight Glass

Products Description

Reliability and compactness make the LUD condensing unit a favourite cooling solution for cost-effective refrigeration.

High reliability for food and goods safety

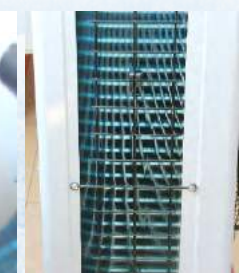
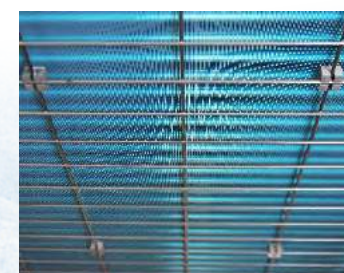
Equipped with Danfoss components that are optimised to work together: compressor, controls, heat exchanger. It's a smart way to obtain high performance and reliability

Compact and light for transport and handling

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

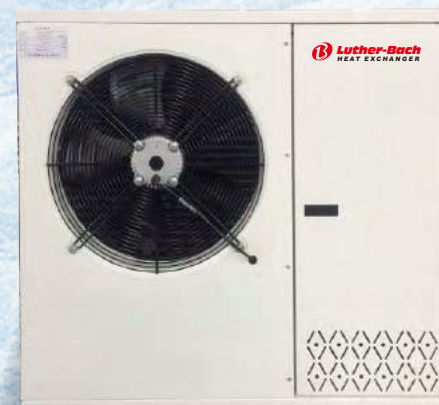
Easy from day 1 - saves time and money:

Easy to handle and transport thanks to the compact design
Easy to install, with quick connections
Stock optimisation with multirefrigerant scroll compressors
The reliable Danfoss compressor reduce maintenance and improve uptime



← Unit Other Detailed pic

Electronic control system Optional



A Type



B Type



 Air Cooled Medium and Low Temp (R22)

Danfoss MLM Compressor Series With A type box Side blow

Model		LUD-S03MA	LUD-S04MA	LUD-S05MA	LUD-S06MA	LUD-S08MA	LUD-S10MA	
Compressor model		MLM021	MLM030	MLM038	MLM045	MLM058	MLM076	
Temperature(°C)		-20℃ - +5℃						
Refrigerant		R22						
Power supply		380V/3PH/50Hz						
Condenser		Fan Qty *Dia (mm)	1*450	1*450	1*500	1*500	1*550	2*450
		Air Flow(m³/h)	4500	4500	6500	6500	7500	4500
		Fan voltage	380V/3PH/50Hz					
Compressor Capacity	Evaporating Tempe -5℃	Cooling capacity(W)	5800	8800	10400	12300	15900	21300
		Input(KW)	1.9	2.7	3.2	3.8	4.8	6.3
	Evaporating Tempe -10℃	Cooling capacity(W)	4800	7200	8500	9900	13000	17400
		Input(KW)	1.8	2.7	3.1	3.8	4.8	6.3
	Evaporating Tempe -15℃	Cooling capacity(W)	4000	5800	6800	7900	10500	14100
		Input(KW)	1.8	2.6	3	3.7	4.8	6.4
Pipe	Suction inlet(mm)		19	19	19	19	28	28
	Liquid Dia (mm)		16	16	16	16	16	19
Condenser capacity (KW)		8.1	8.1	13	16.2	18.8	24.6	
Overall Dimension L*W*H (mm)		1040*450*1000				1140*450*1100	1040*450*1300	
Installation Dimension L*W (mm)		580*400				680*400	580*400	

Danfoss MLM Compressor Series with A type box Top blow

Model		LUD-T03MA	LUD-T04MA	LUD-T05MA	LUD-T06MA	LUD-T08MA	LUD-T10MA	LUD-T15MA
Compressor model		MLM021	MLM030	MLM038	MLM045	MLM058	MLM076	MLM116
Temperature(°C)		-20°C - +5°C						
Refrigerant		R22						
Power supply		380V/3PH/50Hz						
Condenser		Fan Qty *Dia (mm)	1*400	1*500	1*550	2*450	2*500	2*550
		Air Flow(m³/h)	3500	6500	7500	9000	13000	15000
		Fan voltage	380V/3PH/50Hz					
Compressor Capacity	Evaporating Tempe -5°C	Cooling capacity(W)	5800	8800	10400	12300	15900	21300
		Input(KW)	1.9	2.7	3.2	3.8	4.8	6.3
	Evaporating Tempe -10°C	Cooling capacity(W)	4800	7200	8500	9900	13000	17400
		Input(KW)	1.8	2.7	3.1	3.8	4.8	6.3
	Evaporating Tempe -15°C	Cooling capacity(W)	4000	5800	6800	7900	10500	14100
		Input(KW)	1.8	2.6	3	3.7	4.8	6.4
Pipe	Suction inlet(mm)		19	19	25	25	28	28
	Liquid Dia (mm)		16	16	19	19	19	22
Condenser capacity(KW)		8.7	13	17.4	23.2	29	34.8	43.5
Overall Dimension L*W*H (mm)		630*580*800	730*690*900	780*770*1100	1380*770*1000	1340*770*900	1440*800*1000	1440*900*1100
Installation Dimension L*W (mm)		340*550	420*660	490*730	870*730	970*770		

 Air Cooled Medium and Low Temp (R404A)

Danfoss MLZ Compressor Series With A type box Side blow

Model		LUD-S03ZA	LUD-S04ZA	LUD-S05ZA	LUD-S06ZA	LUD-S08ZA	LUD-S10ZA	
Compressor model		MLZ021	MLZ030	MLZ038	MLZ045	MLZ058	MLZ076	
Temperature(°C)		-20℃ - +5℃						
Refrigerant		R404A						
Power supply		380V/3PH/50Hz						
Condenser		Fan Qty *Dia (mm)	1*450	1*450	1*500	1*500	1*550	2*450
		Air Flow(m³/h)	4500	4500	6500	6500	7500	4500
		Fan voltage	380V/3PH/50Hz					
Compressor Capacity	Evaporating Tempe -5℃	Cooling capacity(W)	6200	9300	11000	13300	17200	22900
		Input(KW)	2	3	3.4	4.3	5.4	7.2
	Evaporating Tempe -10℃	Cooling capacity(W)	5100	7700	9200	11100	14200	19100
		Input(KW)	2	3	3.4	4.3	5.4	7.2
	Evaporating Tempe -15℃	Cooling capacity(W)	4300	6300	7600	9100	11600	15900
		Input(KW)	2	3	3.4	4.3	5.4	7.1
Pipe	Suction inlet(mm)		19	19	19	19	28	28
	Liquid Dia (mm)		16	16	16	16	16	19
Condenser capacity (KW)		8.1	8.1	13	16.2	18.8	24.6	
Overall Dimension L*W*H (mm)		1040*450*1000				1140*450*1100	1040*450*1300	
Installation Dimension L*W (mm)		580*400				680*400	580*400	

Danfoss MLZ Compressor Series with A type box Top blow

Model		LUD-T03ZA	LUD-T04ZA	LUD-T05ZA	LUD-T06ZA	LUD-T08ZA	LUD-T10ZA	LUD-T15ZA
Compressor model		MLZ021	MLZ030	MLZ038	MLZ045	MLZ058	MLZ076	MLZ116
Temperature(°C)		-20°C - +5°C						
Refrigerant		R404A						
Power supply		380V/3PH/50Hz						
Condenser		Fan Qty *Dia (mm)	1*400	1*500	1*550	2*450	2*500	2*550
		Air Flow(m³/h)	3500	6500	7500	9000	13000	15000
		Fan voltage	380V/3PH/50Hz					
Compressor Capacity	Evaporating Tempe -5°C	Cooling capacity(W)	6200	9300	11000	13300	17200	22900
		Input(KW)	2	3	3.4	4.3	5.4	7.2
	Evaporating Tempe -10°C	Cooling capacity(W)	5100	7700	9200	11100	14200	19100
		Input(KW)	2	3	3.4	4.3	5.4	7.2
	Evaporating Tempe -15°C	Cooling capacity(W)	4300	6300	7600	9100	11600	15900
		Input(KW)	2	3	3.4	4.3	5.4	7.1
Pipe	Suction inlet(mm)		19	19	25	25	28	28
	Liquid Dia (mm)		16	16	19	19	19	22
Condenser capacity(KW)		8.7	13	17.4	23.2	29	34.8	43.5
Overall Dimension L*W*H (mm)		630*580*800	730*690*900	780*770*1100	1380*770*1000	1340*770*900	1440*800*1000	1440*900*1100
Installation Dimension L*W (mm)		340*550	420*660	490*730	870*730	970*770		

Air Cooled Medium and Low Temp (R404A)

Danfoss MLZ Compresspor Series With B type Box Side blow

Model			LUD-S02ZB	LUD-S03ZB	LUD-S04ZB	LUD-S05ZB	LUD-S06ZB
Compressor model			MLZ015	MLZ021	MLZ030	MLZ038	MLZ045
Temperature(°C)			-20℃ - +5℃				
Refrigerant			R404A				
Power supply			380/3P/50Hz				
Condenser		Fan Qty *Dia (mm)	1*450	1*450	1*450	1*450	2*450
		Air Flow(m³/h)	4500	4500	4500	4500	7490
		Fan voltage	380V/3P/50Hz				
Compressor Capacity	Evaporating Tempe -5℃	Cooling capacity(W)	4400	6200	9300	11000	13300
		Input(KW)	1.5	2	3	3.4	4.3
	Evaporating Tempe -10℃	Cooling capacity(W)	3700	5100	7700	9200	11100
		Input(KW)	1.5	2	3	3.4	4.3
	Evaporating Tempe -15℃	Cooling capacity(W)	3000	4300	6300	7600	9100
		Input(KW)	1.6	2	3	3.4	4.3
Pipe	Suction inlet (inch)		5/8	5/8	3/4	3/4	3/4
	Liquid Dia (inch)		3/8	3/8	3/8	3/8	1/2
Condensercapacity (KW)			9	9	11	11	17
Overall Dimension(mm)			1300*560*690				1300*560*990

Model			LUD-S07ZB	LUD-S08ZB	LUD-S09ZB	LUD-S10ZB	LUD-S15ZB
Compressor model			MLZ048	MLZ058	MLZ066	MLZ076	MLZ116
Temperature(°C)			-20°C - +5°C				
Refrigerant			R404A				
Power supply			380/3P/50Hz				
Condenser		Fan Qty *Dia (mm)	2*450	2*450	2*450	2*450	2*500
		Air Flow(m³/h)	7490	9000	9000	9000	12890
		Fan voltage	380V/3P/50Hz				
Compressor Capacity	Evaporating Tempe -5°C	Cooling capacity(W)	14500	17200	19900	22900	33200
		Input(KW)	4.6	5.4	6.3	7.2	11.57
	Evaporating Tempe -10°C	Cooling capacity(W)	12100	14200	16400	19100	27200
		Input(KW)	4.6	5.4	6.2	7.2	10.97
	Evaporating Tempe -15°C	Cooling capacity(W)	10000	11600	13400	15900	22100
		Input(KW)	4.6	5.4	6.2	7.1	10.45
Pipe	Suction inlet (inch)		3/4	1-1/8	1-1/8	1-1/8	1-5/8
	Liquid Dia (inch)		1/2	1/2	1/2	1/2	3/4
Condensercapacity (KW)			17	20	23	23	45
Overall Dimension(mm)			1300*560*990	1300*560*1190			1300*560*1290

A Type Side blow



A Type Top blow



B Type Side blow

