

Condensing Unit

LCU Series - Copeland scroll compressor



CONDENSING
UNITS
LCU SERIES

R-404A
-40°C / -5°C

Sturdy and durable

Powder coated casing providing extended corrosion resistance and durability.

Silent operation

Low-noise fan driven by maximum efficient motors, are statically and dynamically balanced.

Easy maintenance

Horizontal air discharge indoor design, convenient maintenance.

COPELAND



High efficiency Copeland scroll compressor⁽¹⁾ for maximum reliability and optimized performances.

⁽¹⁾ Other brand compressors are available on request.

Equipped with high quality components (liquid receiver, filter drier, pressure switch, oil separator, etc.) for longer service life, minimum maintenance needs.

Air cooled condenser consist of copper tubes and anti-corrosion hydrophilic-coated aluminum fins to provide optimum heat exchange capability.

Condensing Unit

LCU Series - Copeland scroll compressor

Copeland ZB series compressor | Application -20°C / -5°C | R404A

Model	Compressor		Condenser				Suction	Liquid
	Model	HP	Qty of fan	Air flow m ³ /h	Power supply	Fan power W		
LCU-2M	ZB15KQE-TFD	2	1	1 x 1800	380V-3F-50Hz	1 x 120	3/4"	3/8"
LCU-3M	ZB21KQE-TFD	3	1	1 x 3000	380V-3F-50Hz	1 x 120	3/4"	3/8"
LCU-4M	ZB29KQE-TFD	4	2	2 x 1800	380V-3F-50Hz	2 x 120	7/8"	1/2"
LCU-5M	ZB38KQE-TFD	5	2	2 x 3000	380V-3F-50Hz	2 x 120	7/8"	1/2"
LCU-6M	ZB45KQE-TFD	6	2	2 x 3000	380V-3F-50Hz	2 x 120	7/8"	1/2"
LCU-8M	ZB58KQE-TFD	8	2	2 x 4500	380V-3F-50Hz	2 x 180	1-1/8"	1/2"
LCU-9M	ZB66KQE-TFD	9	2	2 x 4500	380V-3F-50Hz	2 x 180	1-1/8"	5/8"
LCU-10M	ZB76KQE-TFD	10	2	2 x 4500	380V-3F-50Hz	2 x 180	1-1/8"	5/8"
LCU-13M	ZB95KQE-TFD	13	2	2 x 6570	380V-3F-50Hz	2 x 450	1-3/8"	5/8"
LCU-15M	ZB114KQE-TFD	15	2	2 x 8720	380V-3F-50Hz	2 x 600	1-3/8"	5/8"

Model	Compressor		Cooling capacity at evaporating temperature, W			Dimension, mm		
	Model	HP	-5°C	-15°C	-20°C	L	W	H
LCU-2M	ZB15KQE-TFD	2	3790	2880	2030	600	700	520
LCU-3M	ZB21KQE-TFD	3	5000	3580	3180	600	700	570
LCU-4M	ZB29KQE-TFD	4	7000	4600	3800	1010	710	570
LCU-5M	ZB38KQE-TFD	5	8300	6000	5300	1010	710	570
LCU-6M	ZB45KQE-TFD	6	10950	7580	6060	1010	710	670
LCU-8M	ZB58KQE-TFD	8	14200	9900	6940	1250	800	680
LCU-9M	ZB66KQE-TFD	9	16450	11700	7560	1250	800	780
LCU-10M	ZB76KQE-TFD	10	19550	14400	8890	1250	800	880
LCU-13M	ZB95KQE-TFD	13	22000	15500	11700	1430	800	980
LCU-15M	ZB114KQE-TFD	15	26900	18100	13600	1430	800	1080

(1) Cooling capacity is on basis of ambient temperature 32°C.

Copeland ZF series compressor | Application -40°C / -20°C | R404A

Model	Compressor		Condenser				Suction	Liquid
	Model	HP	Qty of fan	Air flow m ³ /h	Power supply	Fan power W		
LCU-3L	ZF09KQE-TFD	3	1	1 x 2300	380V-3F-50Hz	1 x 180	3/4"	3/8"
LCU-3.5L	ZF11KQE-TFD	3.5	2	2 x 1500	380V-3F-50Hz	2 x 140	3/4"	3/8"
LCU-5L	ZF15KQE-TFD	5	2	2 x 2300	380V-3F-50Hz	2 x 180	7/8"	1/2"
LCU-6L	ZF18KQE-TFD	6	2	2 x 2300	380V-3F-50Hz	2 x 180	7/8"	1/2"
LCU-8L	ZF25KQE-TFD	8	2	2 x 4500	380V-3F-50Hz	2 x 180	1-1/8"	1/2"

Model	Compressor		Cooling capacity at evaporating temperature, W			Dimension, mm		
	Model	HP	-20°C	-30°C	-40°C	L	W	H
LCU-3L	ZF09KQE-TFD	3	3100	2190	1400	600	700	580
LCU-3.5L	ZF11KQE-TFD	3.5	4000	2800	1900	950	650	520
LCU-5L	ZF15KQE-TFD	5	5300	3800	2500	1010	710	570
LCU-6L	ZF18KQE-TFD	6	6600	4700	3100	1010	710	670
LCU-8L	ZF25KQE-TFD	8	8300	5950	3800	1250	810	680

(1) Cooling capacity is on basis of ambient temperature 32°C.

Dimensions

