

Condensing Unit

BCU Series - Copeland scroll compressor



CONDENSING
UNITS

BCU SERIES

R-404A

-40°C / 0°C

1 Quick installation

Fully packaged condensing unit for outdoor easy assembling and space saving.

2 Silent operation

Built-in sound-absorbing insulation pads to reduce noise and minimize vibration.

3 Easy maintenance

Openable cabinet door allows for easy 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

BCU Series - Copeland scroll compressor

Copeland ZFI series compressor | Application -40°C / -5°C | R404A

Model	Compressor		Condenser						Suction	Liquid
	Model	HP	Fan dia. mm	Air flow m³/h	Fan volt.	Fan power	Fan poles	Nominal heat exchange kW		
BCU-4L	ZFI20KQE-TFD	4	400	2 x 3900	220V-1F-50Hz	2 x 180	4	11.0	7/8"	1/2"
BCU-6L	ZFI26KQE-TFD	6	400	2 x 3900	220V-1F-50Hz	2 x 180	4	13.4	7/8"	1/2"
BCU-8L	ZFI36KQE-TFD	7.5	450	2 x 5100	220V-1F-50Hz	2 x 250	4	15.0	7/8"	1/2"

(1) Condensing temperature 50°C, sub-cooling 0K.

Model	Compressor		Cooling capacity at evaporating temperature, W				Dimension, mm		
	Model	HP	-10°C	-20°C	-30°C	-40°C	L	W	H
BCU-4L	ZFI20KQE-TFD	4	9730	6800	4590	2920	1270	560	990
BCU-6L	ZFI26KQE-TFD	6	13700	9840	7030	5080	1270	560	990
BCU-8L	ZFI36KQE-TFD	7.5	16540	12260	8820	6240	1270	560	1190

Copeland ZSI series compressor | Application -30°C / 0°C | R404A

Model	Compressor		Condenser						Suction	Liquid
	Model	HP	Fan dia. mm	Air flow m³/h	Fan volt.	Fan power	Fan poles	Nominal heat exchange kW		
BCU-2L	ZSI06KQE-TFD	2	450	1 x 5100	220V-1F-50Hz	1 x 250	4	6.2	3/4"	3/8"
BCU-3L	ZSI09KQE-TFD	3	450	1 x 5110	220V-1F-50Hz	1 x 250	4	8.9	3/4"	1/2"
BCU-4L	ZSI14KQE-TFD	4	400	2 x 3900	220V-1F-50Hz	2 x 180	4	11.0	7/8"	1/2"
BCU-5L	ZSI15KQE-TFD	5	400	2 x 3900	220V-1F-50Hz	2 x 180	4	13.4	7/8"	1/2"
BCU-6L	ZSI18KQE-TFD	6	400	2 x 3900	220V-1F-50Hz	2 x 180	4	15.0	7/8"	1/2"
BCU-7L	ZSI21KQE-TFD	7	400	2 x 3900	220V-1F-50Hz	2 x 180	4	17.5	7/8"	1/2"

(1) Condensing temperature 50°C, sub-cooling 0K.

Model	Compressor		Cooling capacity at evaporating temperature, W				Dimension, mm		
	Model	HP	-5°C	-10°C	-20°C	-30°C	L	W	H
BCU-2L	ZSI06KQE-TFD	2	3860	3190	2110	1340	1270	560	690
BCU-3L	ZSI09KQE-TFD	3	5120	4270	2890	1800	1270	560	690
BCU-4L	ZSI14KQE-TFD	4	8460	7030	4740	3070	1270	560	990
BCU-5L	ZSI15KQE-TFD	5	9490	7940	5530	3550	1270	560	990
BCU-6L	ZSI18KQE-TFD	6	10390	9640	6630	4380	1270	560	990
BCU-7L	ZSI21KQE-TFD	7	12880	10800	7400	4910	1270	560	990

Dimensions

