

Condensing Unit

ACU Series - Copeland scroll compressor



CONDENSING
UNITS
ACU SERIES

R-404A
-40°C / +5°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

ACU Series - Copeland scroll compressor

Copeland ZB series compressor | Application -20°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		
ACU-2M	ZB15KQE-TFD	2	450	1 x 5100	220V-1F-50Hz	1 x 250	4	6.2	3/4"	3/8"
ACU-3M	ZB21KQE-TFD	3	450	1 x 5100	220V-1F-50Hz	1 x 250	4	8.9	3/4"	1/2"
ACU-4M	ZB29KQE-TFD	4	450	2 x 5100	220V-1F-50Hz	2 x 250	4	11.0	7/8"	1/2"
ACU-5M	ZB38KQE-TFD	5	450	2 x 5100	220V-1F-50Hz	2 x 250	4	13.4	7/8"	1/2"
ACU-6M	ZB45KQE-TFD	6	450	2 x 5100	220V-1F-50Hz	2 x 250	4	15.0	7/8"	1/2"
ACU-7M	ZB48KQE-TFD	7	450	2 x 5100	220V-1F-50Hz	2 x 250	4	17.5	7/8"	1/2"
ACU-8M	ZB58KQE-TFD	8	450	2 x 5100	220V-1F-50Hz	2 x 250	4	21.4	1-1/8"	5/8"
ACU-9M	ZB66KQE-TFD	9	500	2 x 6900	220V-1F-50Hz	2 x 380	4	22.7	1-1/8"	5/8"
ACU-10M	ZB76KQE-TFD	10	500	2 x 6900	220V-1F-50Hz	2 x 380	4	25.0	1-1/8"	5/8"

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

Model	Compressor		Cooling capacity at evaporating temperature, W				Dimension, mm		
	Model	HP	-5°C	-10°C	-15°C	-20°C	L	W	H
ACU-2M	ZB15KQE-TFD	2	3600	2950	2400	1850	1270	600	710
ACU-3M	ZB21KQE-TFD	3	5500	4550	3750	3100	1270	600	710
ACU-4M	ZB29KQE-TFD	4	7450	6200	5100	4150	1270	600	1210
ACU-5M	ZB38KQE-TFD	5	9400	7800	6450	5250	1270	600	1210
ACU-6M	ZB45KQE-TFD	6	11000	9150	7550	5150	1270	600	1210
ACU-7M	ZB48KQE-TFD	7	12050	10050	8300	5750	1270	600	1210
ACU-8M	ZB58KQE-TFD	8	14600	12000	9650	7400	1270	600	1210
ACU-9M	ZB66KQE-TFD	9	16350	13650	11250	9100	1270	600	1210
ACU-10M	ZB76KQE-TFD	10	19500	16200	13250	10600	1270	600	1410

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		
ACU-9L	ZFI39KQE-TFD	9	500	2 x 6900	220V-1F-50Hz	2 x 380	4	22.7	7/8"	5/8"
ACU-10L	ZFI50KQE-TFD	10	500	2 x 6900	220V-1F-50Hz	2 x 380	4	25.0	1-1/8"	5/8"

(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
ACU-9L	ZFI39KQE-TFD	9	18970	14060	10120	7160	1270	600	1410
ACU-10L	ZFI50KQE-TFD	10	22910	16790	11680	8040	1270	600	1410

Dimensions

