

Condensing Unit

KCU Series - Copeland scroll compressor



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.

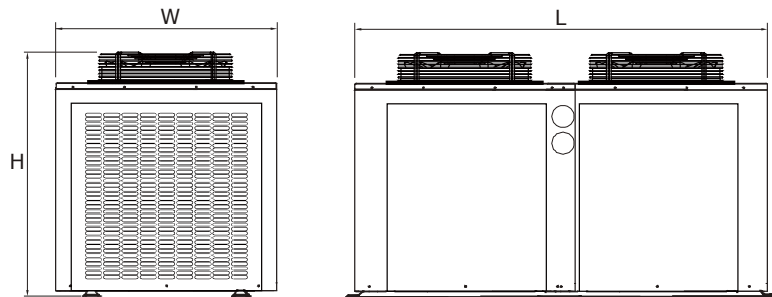


Equipped with high quality components (liquid receiver, filter drier, pressure switch, oil separator, etc.) for longer service life, minimum maintenance needs.



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

Dimensions



CONDENSING
UNITS
KCU SERIES

R-404A

-40°C / +10°C

Condensing Unit

KCU Series - Copeland scroll compressor

Copeland ZB series compressor | Application -20°C / +10°C | R404A

Model	Compressor		Condenser				Suction	Liquid
	Model	HP	Qty of fan	Air flow m ³ /h	Power supply	Fan power W		
KCU-8M	ZB58KQE-TFD	8	1	1 x 8720	380V-3F-50Hz	1 x 600	1-1/8"	1/2"
KCU-10M	ZB76KQE-TFD	10	2	2 x 6570	380V-3F-50Hz	2 x 450	1-1/8"	5/8"
KCU-13M	ZB95KQE-TFD	13	2	2 x 6570	380V-3F-50Hz	2 x 450	1-3/8"	5/8"
KCU-15M	ZB114KQE-TFD	15	2	2 x 8720	380V-3F-50Hz	2 x 600	1-3/8"	5/8"
KCU-20M	ZB130KQE-TFD	20	2	2 x 8720	380V-3F-50Hz	2 x 600	1-5/8"	5/8"
KCU-22M	ZB150KQE-TFD	22	2	2 x 10820	380V-3F-50Hz	2 x 780	1-5/8"	3/4"
KCU-25M	ZB190KQE-TFD	25	2	2 x 12220	380V-3F-50Hz	2 x 800	1-5/8"	7/8"
KCU-30M	ZB220KQE-TFD	30	2	2 x 15000	380V-3F-50Hz	2 x 750	1-5/8"	7/8"

Model	Compressor		Cooling capacity at evaporating temperature, W				Dimension, mm		
	Model	HP	+10°C	+5°C	-5°C	-12°C	L	W	H
KCU-8M	ZB58KQE-TFD	8	-	19950	14650	11400	770	920	900
KCU-10M	ZB76KQE-TFD	10	-	28300	20700	16150	1330	950	890
KCU-13M	ZB95KQE-TFD	13	-	32500	24000	18800	1480	950	990
KCU-15M	ZB114KQE-TFD	15	-	37300	27500	21400	1730	1050	1000
KCU-20M	ZB130KQE-TFD	20	52762	44647	30626	22181	1600	1000	1650
KCU-22M	ZB150KQE-TFD	22	63084	53636	31832	21813	1700	1000	1780
KCU-25M	ZB190KQE-TFD	25	78982	56764	39854	27305	1750	1000	1880
KCU-30M	ZB220KQE-TFD	30	97428	70076	49201	33708	1900	1175	1980

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

Copeland ZSI series compressor | Application -30°C / -5°C | R404A

Model	Compressor		Condenser				Suction	Liquid
	Model	HP	Qty of fan	Air flow m ³ /h	Power supply	Fan power W		
KCU-2L	ZSI06KQE-TFP	2	1	1 x 3200	380V-3F-50Hz	1 x 60	5/8"	3/8"
KCU-2.5L	ZSI08KQE-TFP	2.5	1	1 x 3200	380V-3F-50Hz	1 x 60	5/8"	3/8"
KCU-3L	ZSI09KQE-TFP	3	1	1 x 3200	380V-3F-50Hz	1 x 60	5/8"	3/8"
KCU-3.5L	ZSI11KQE-TFP	3.5	1	1 x 3200	380V-3F-50Hz	1 x 60	5/8"	3/8"
KCU-4L	ZSI14KQE-TFP	4	2	2 x 3200	380V-3F-50Hz	2 x 60	3/4"	1/2"
KCU-5L	ZSI15KQE-TFP	5	2	2 x 3200	380V-3F-50Hz	2 x 60	3/4"	1/2"
KCU-6L	ZSI18KQE-TFP	6	2	2 x 3200	380V-3F-50Hz	2 x 60	3/4"	1/2"
KCU-7L	ZSI21KQE-TFP	7	1	1 x 8720	380V-3F-50Hz	1 x 600	1-1/8"	1/2"

Model	Compressor		Cooling capacity at evaporating temperature, W				Dimension, mm		
	Model	HP	-5°C	-10°C	-20°C	-30°C	L	W	H
KCU-2L	ZSI06KQE-TFP	2	3910	3220	2140	1380	970	410	835
KCU-2.5L	ZSI08KQE-TFP	2.5	4710	3920	2640	1740	970	410	835
KCU-3L	ZSI09KQE-TFP	3	5230	4370	2980	1900	970	410	835
KCU-3.5L	ZSI11KQE-TFP	3.5	6660	5530	3790	2400	970	410	835
KCU-4L	ZSI14KQE-TFP	4	8560	7120	4780	3080	970	410	1330
KCU-5L	ZSI15KQE-TFP	5	9500	7920	5450	3480	970	410	1330
KCU-6L	ZSI18KQE-TFP	6	11600	9700	6650	4390	970	410	1330
KCU-7L	ZSI21KQE-TFP	7	12940	10840	7410	5080	770	920	900

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

Copeland ZFI series compressor | Application -40°C / 0°C | R404A

Model	Compressor		Condenser				Suction	Liquid
	Model	HP	Qty of fan	Air flow m ³ /h	Power supply	Fan power W		
KCU-4L	ZFI20KQE-TFD	4	1	1 x 5000	380V-3F-50Hz	1 x 290	7/8"	3/8"
KCU-6L	ZFI26KQE-TFD	6	1	1 x 8720	380V-3F-50Hz	1 x 600	7/8"	1/2"
KCU-7.5L	ZFI36KQE-TFD	7.5	1	1 x 8720	380V-3F-50Hz	1 x 600	7/8"	1/2"
KCU-9L	ZFI39KQE-TFD	9	1	1 x 8720	380V-3F-50Hz	1 x 600	7/8"	5/8"
KCU-10L	ZFI50KQE-TFD	10	2	2 x 5000	380V-3F-50Hz	2 x 290	1-5/8"	5/8"
KCU-13L	ZFI59KQE-TFD	13	2	2 x 6570	380V-3F-50Hz	2 x 380	1-5/8"	5/8"
KCU-15L	ZFI68KQE-TFD	15	2	2 x 6570	380V-3F-50Hz	2 x 380	1-5/8"	5/8"

Model	Compressor		Cooling capacity at evaporating temperature, W				Dimension, mm		
	Model	HP	0°C	-10°C	-20°C	-40°C	L	W	H
KCU-4L	ZFI20KQE-TFD	4	12600	9130	6460	2810	870	670	690
KCU-6L	ZFI26KQE-TFD	6	17750	12920	9290	4620	900	770	900
KCU-7.5L	ZFI36KQE-TFD	7.5	-	15730	11630	5670	770	920	900
KCU-9L	ZFI39KQE-TFD	9	-	18354	13570	6417	900	770	1000
KCU-10L	ZFI50KQE-TFD	10	-	21710	15870	7610	1330	850	890
KCU-13L	ZFI59KQE-TFD	13	-	26400	19320	9240	1330	950	990
KCU-15L	ZFI68KQE-TFD	15	-	-	21890	10480	1730	1050	1000

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