Air Cooled Condensers

KNO

Condensing Capacity: 1 to 115 kW

Simple, efficient and reliable air cooled condensers

Scope of Applications

Dissipation of condensing heat from the compressor cooling circuit
Applicable for refrigerant as R404A, R134a, R407C
Usage as remote condenser for compressor units
Replacement for old or damaged condensers
As part of JDK condensing units and chillers
For customized cooling circuits and systems

Main Benefits

- Easy installation and commissioning
- Known capacity and technical parameters
- Favorable pricing
- Efficient operation
- High reliability and durability
- Designated for outdoor applications
- Optional accessories
- Corrosion resistance

Standard Accessories

- Condenser housing with incorporated fan ring
- Efficient fan with protection grill
- Surface coating protection, colour RAL 5005

Optional Accessories

- Stepless fan speed control
- Step fan speed control with pressostat
- Built-in tube type refrigerant receiver tank

Technical Specification

Model	Order No.	Capacity kW (1) R404A, R134a ΔT1=15K	Capacity kW (1) R407C ΔT1=17K	Air Flow m^3/h	Noise Lp dB(A)/10m	Power Supply V/A-50Hz	Power Input W	Internal Volume L	Weight kg	Dimensions WxDxH mm
KNO 01 - 1x200	1KNV010039	0.6	0.4	310	32	230/0.19	29	0.3	4.0	350 x 200 x 265
KNO 02 - 1x254	1KNV010025	1.7	1.5	600	32	230/0.48	70	0.6	6.6	350 x 200 x 300
KNO 09 - 1x300	1KNV010026	2.1	1.6	965	32	230/0.48	70	0.8	7.9	380 x 220 x 360
KNO 09H - 1x300	1KNV010027	2.4	1.9	1 230	36	230/0.75	120	0.8	10.7	380 x 220 x 360
KNO 18 - 1x350	1KNV010007	3.9	3.4	2 150	37	230/0.85	150	1.1	19.0	680 x 300 x 450
KNO 18 - 2x254	1KNV010028	4.3	3.5	1 500	34	230/0.96	140	1.2	17.5	750 x 300 x 405
KNO 28 - 1x350	1KNV010008	4.8	4.2	1 920	37	230/0.85	150	1.7	20.0	680 x 300 x 450
KNO 28 - 2x254	1KNV010029	4.8	4.8	1 150	34	230/0.96	140	3.6	24.5	750 x 300 x 405
KNO 40 - 2x300	1KNV010009	7.5	6.6	2 900	38	230/1.5	240	1.6	27.3	885 x 240 x 450
KNO 64 - 2x350	1KNV010010	13.5	13.0	4 270	39	230/1.7	300	3.5	38.6	1085 x 320 x 555
KNO 80 - 2x400	1KNV010011	16.0	15.3	5 575	42	230/2.7	520	3.5	39.5	1085 x 320 x 555
KNO 100 - 2x450	1KNV010012	20.6	18.7	8 940	46	230/3.6	710	3.8	52.5	1295 x 405 x 655
KNO 125 - 2x450	1KNV010013	24.0	22.0	8 440	46	230/3.6	710	5.1	55.0	1295 x 405 x 655
KNO 160 - 2x500	1KNV010024	37.4	33.9	14 140	50	400/3.6	1 400	7.3	107.0	1800 x 700 x 885
KNO 160 - 2x560EC	1KNV010040	44.1	40.1	18 880	48	400/3.4	2 000	7.3	114.0	1800 x 700 x 885
KNO 230 - 2x500	1KNV010038	48.7	45.0	14 340	50	400/3.6	1 400	12.7	123.0	1800 x 700 x 885
KNO 230 - 2x560EC	1KNV010036	59.4	54.4	19 200	48	400/3.4	2 000	12.7	129.0	1800 x 700 x 885
KNO 230 - 2x630EC	1KNV010037	66.3	60.6	22 770	47	400/4.0	2 500	12.7	134.0	1800 x 700 x 885
KNO 260 - 4x500	1KNV010041	90.4	82.7	27 830	53	400/7.2	2 800	31.2	191.0	1800 x 700 x 1865
KNO 260 - 4x550	1KNV010042	99.1	91.0	32 000	56	400/8.8	2 800	31.2	196.0	1800 x 700 x 1865
KNO 260 - 4x560EC	1KNV010043	109.0	99.7	37 090	51	400/6.8	4 000	31.2	206.0	1800 x 700 x 1865
KNO 260 - 4x600	1KNV010044	114.0	105.0	40 100	58	400/12.0	5 520	31.2	216.0	1800 x 700 x 1865

(1) Performance data are given at +32°C ambiente temperature

Technical Description

Air cooled condensers KHO series are primary designed for vertical mounting. Highly efficient heat exchange surfaces are made of a copper thin-walled tubes and aluminum fins. By the mechanically expanded copper tubes is achieved tight fixing of the fins to the tube surface and thus perfect heat transfer from the pipe to the air.

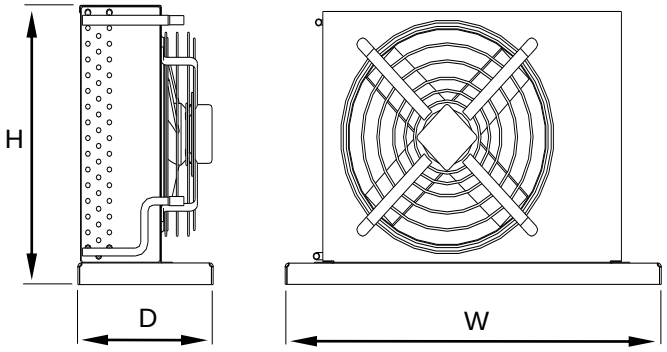
To ensure high level of heat transfer on the air side are used aluminum fins with louvers in order to increase air turbulence. Forced air circulation is ensures via fitted axial fans.

Air cooled condensers are painted with coating proved for outdoor placement.

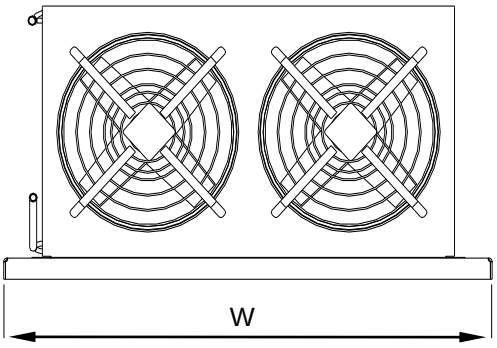
Design and Dimensions

Illustrative pictures

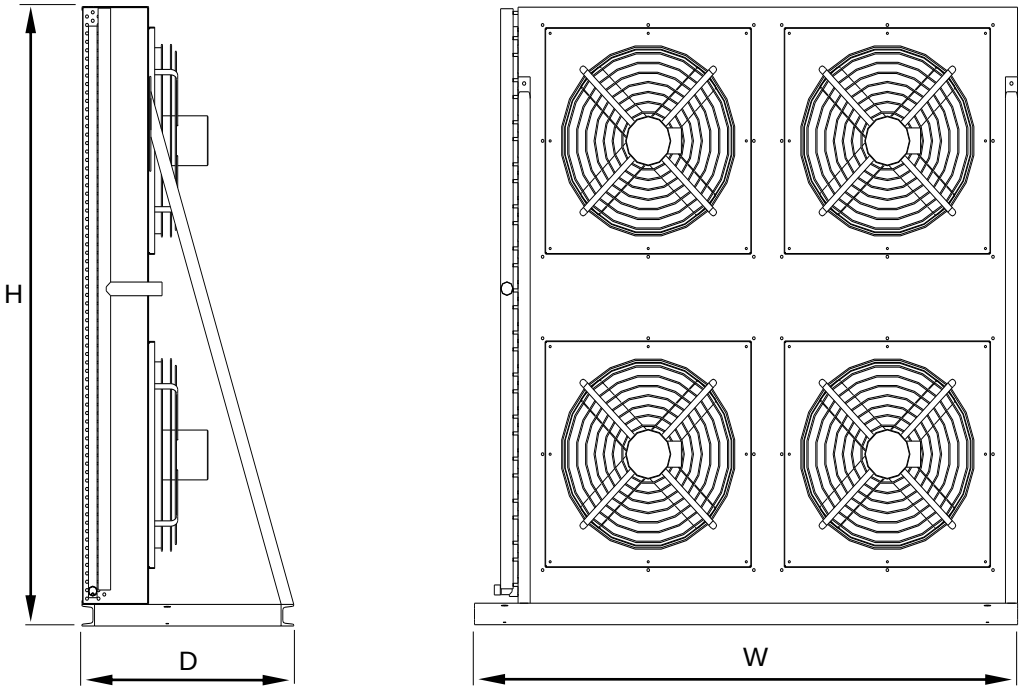
KNO xx-1V



KNO xx-2V



KNO xx-4V



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