

Vertiv Liebert PEX AC

R410A precision room cooling | AC fan configuration

Features and configuration

Front-access maintenance; Copeland scroll compressors; V-shaped evaporator; infrared humidifier with stainless-steel pan; G4 filtration; RS485 monitoring; LCD control with optional 9-inch touch display. Air-cooled R410A configuration with AC fans and upflow/downflow variants.

Parameter	P1025	P1030	P1040 single	P1040 dual	P1050 single	P1050 dual
Total cooling (kW)	25.1	30.1	40	40.5	50.1	50.1
Sensible cooling (kW)	22.6	27.1	36	36.5	45.1	45.1
Upflow air volume (m³/h)	9000	10000	13000	11000	15000	15000
Downflow air volume (m³/h)	9000	10000	15000	11000	15000	15000
Fans	1	1	1	1	1	1
Compressors	1	1	1	2	1	2
Heater (kW)	6	6	9	9	9	9
Humidifier (kg/h)	5	5	5	5	5	5
Net weight (kg)	350	360	370	460	420	470
Full-load current (A)	26.5	32	43	45.5	50	50
W x D x H (mm)	930 x 995 x 1975	930 x 995 x 1975	930 x 995 x 1975	1130 x 995 x 1975	1130 x 995 x 1975	1130 x 995 x 1975

Supply: 380 V, 50 Hz, three phases + neutral. External static pressure: 0-250 Pa; standard rating at 50 Pa. Cooling rating: indoor dry/wet bulb 24/17°C; outdoor 35°C. External fan heat excluded. Single/dual denotes compressor configuration.

PEX AC | larger-capacity configurations

Parameter	P2060	P2070	P2080	P2090	P2100
Total cooling (kW)	60.2	70.1	80	90.2	100
Sensible cooling (kW)	54.2	63.1	72	81.2	90
Upflow air volume (m³/h)	20000	26000	26000	30000	30000
Downflow air volume (m³/h)	20000	22500	30000	30000	30000
Fans	2	2	2	2	2
Compressors	2	2	2	2	2
Heater (kW)	9	9	12	12	12
Humidifier (kg/h)	10	10	10	10	10
Net weight (kg)	650	660	670	750	760
Full-load current (A)	59	64.5	77	83.5	90
W x D x H (mm)	1830 x 995 x 1975	1830 x 995 x 1975	1830 x 995 x 1975	2230 x 995 x 1975	2230 x 995 x 1975

Supply: 380 V, 50 Hz, three phases + neutral. External static pressure: 0-250 Pa; standard rating at 50 Pa. Cooling rating: indoor dry/wet bulb 24/17°C; outdoor 35°C. External fan heat excluded. Single/dual denotes compressor configuration.

Outdoor condenser selection data

Condenser	Weight (kg)	Fans	Length x height x width (mm)
LSF24-R3L	105	1	1384 x 990 x 689
LSF32-R3L	110	1	1384 x 990 x 689
LSF38-R3L	120	1	1384 x 990 x 695
LSF42-R3L	130	1	1584 x 1273 x 695
LSF52-R3L	140	1	1584 x 1273 x 695
LSF62-R3L	150	2	1884 x 1273 x 689
LSF70-R3L	150	2	1884 x 1273 x 689
LSF76-R3L	220	2	2384 x 1273 x 695
LSF85-R3L	230	2	2384 x 1273 x 695
LDF52-R3L	140	1	1584 x 1273 x 695
LDF62-R3L	160	2	2084 x 1273 x 689
LDF70-R3L	160	2	2084 x 1273 x 689
LDF76-R3L	220	2	2384 x 1273 x 695
LDF85-R3L	230	2	2384 x 1273 x 695

Source and edition notes

Independently prepared English technical edition by IWELL, 22 October 2026. This is not an official Vertiv English publication. Specifications refer to the cited source revision; confirm the exact model and supplied configuration before selection.

Source: PEX-AC-R410A-Brochure-ZH.pdf

Manufacturer source: https://www.vertiv.com/49217d/globalassets/products/thermal-management/room-cooling/liebert-pex-ac/vertiv-liebert-pex-ac-r410a-_20220623.pdf

Source: 2022 brochure, E-X6219880-0622, both pages. Condenser dimensions use the source order L x H x W, unlike indoor dimensions W x D x H. The table is a specification list, not an inferred indoor/outdoor pairing schedule.