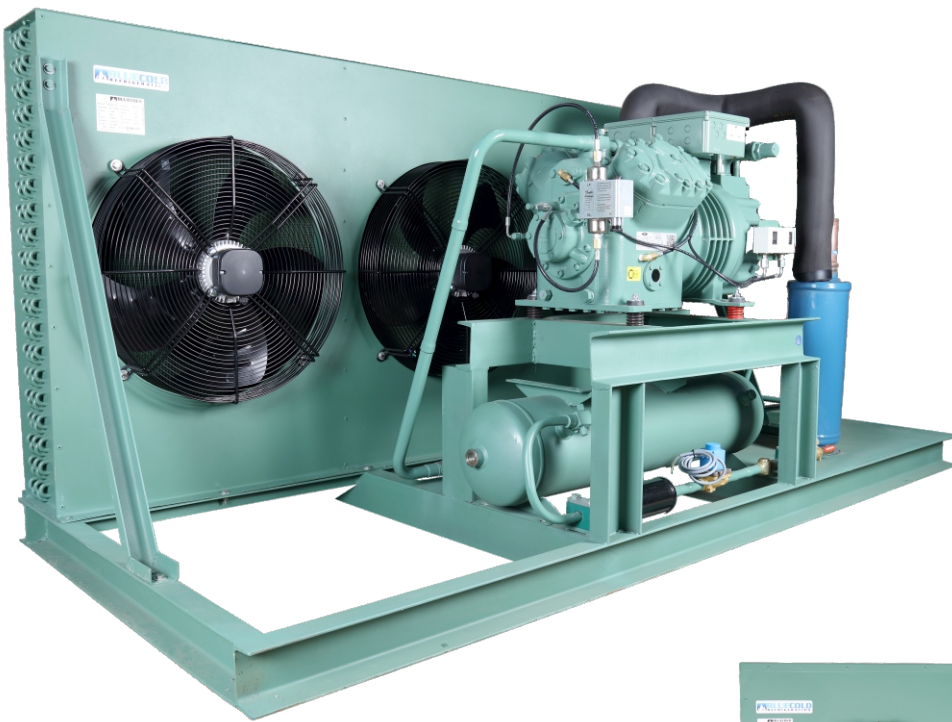


Air Cooled Condensing Units




Key Features

Blue Cold ECO series water cooled condensing units are now available Ranging from 1 KW to 70 KW (cooling capacity) incorporating the latest compressors, world class components and state of the art manufacturing, design, process and facility.

- Bitzer Semi Hermetic Compressor
- Powder coated base plate and panels for extended durability
- Condenser fitted with dedicated Sub-Cooling Valves
- Filter Drier & Receiver Valves
- Dual Pressure Control
- Flexible hose for pressure connection
- Oil charge- BSE 32 as standard
- GVN Suction Accumulator, made in EU
- Temprite Oil Separator, made in USA
- CNC Bended pipes, to minimize leaks
- Silver & Copper Brazing
- Oil pressure switch as applicable
- Vibration eliminators as applicable



Blue Cold Select+ Software



Welcome Home Logout

Ambient Temp (°C)


Cooling Capacity(KW)

Evaporation Temp (°C)

Gas

[Select +](#)

Model	Capacity (KW)	Compressor	Evaporating SST	Ambient Temperature	Power Input	Condensing SDT
R135/4JE-15Y	14.45	4JE-15Y (Bitzer Germany)	-25	38	10.75	45.8
R270/4GE-30Y	16.03	4GE-30Y (Bitzer Germany)	-25	38	13.59	50
R405/6HE -35Y	20.3	6HE -35Y (Bitzer Germany)	-25	38	17.72	50
R135/4GE-23Y	18.82	4GE-23Y (Bitzer Germany)	-25	38	15.18	48.6
R335/4FE-28Y	20.4	4FE-28Y (Bitzer Germany)	-25	38	17.45	50
R335/6JE-25Y	19.61	6JE-25Y (Bitzer Germany)	-25	38	15.7	49
R135/4HE-18Y	16.59	4HE-18Y (Bitzer Germany)	-25	38	12.78	47.2
R335/4HE-25Y	16.14	4HE-25Y (Bitzer Germany)	-25	38	12.3	46.9



Date: 14-02-2018

Condensing Unit Technical Data Sheet

R135/4HE-18Y

- : Air Cooled
- : Standard
- : R404A
- : Dew Point Temperature
- : -25 °C
- : 47.2 °C
- : 38 °C
- : 10.0 K
- : 100%
- : Standard
- : 13400 CMH

COMPRESSOR

Compressor Type

Cooling Capacity

Capacity Steps

Power Input

Voltage Range

Liquid Subcooling

Motor Version

: Single Stage Semi-Hermetic Reciprocating Compressor

: **16.59 kW**

: 100%

: 12.78 kW

: 380V-420V

: 3 K

: M 2 (Refer 'Application Limits' Graph Given Below)

ELECTRICAL DATA

Power Supply

Max.Operating current for Compressor Motor

Max.Power Input to the Compressor Motor

Power Connection

: 380 V • 420 V, 50 Hz, 3 Phase

: 36.7 A

: 22 kW

: DOL, Part Winding

Air Cooled Single Stage Condensing Units-Performance Data (R404A)

Unit Model Name	Ambient Temperature		Evaporating SST								Suction Line Connection	Discharge Line Connection	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
			2.0	0.0	-3.0	-5.0	-10.0	-25.0	-30.0	-35.0						
R44/2GES-2Y	30 DegC	Cooling Capacity (kw)	5.34	5.02	4.56	4.26	3.58	1.91	1.49	1.12	16mm (5/8")	10mm (3/8")	95	850	700	600
		Power Input (kw)	2.35	2.28	2.17	2.10	1.92	1.44	1.28	1.12						
		Condensing STD	48.1	47.2	45.8	44.9	42.9	37.7	36.3	35.1						
	38 DegC	Cooling Capacity (kw)	4.58	4.30	3.89	3.63	3.03	1.57	1.19	0.87						
		Power Input (kw)	2.54	2.46	2.33	2.25	2.05	1.48	1.30	1.12						
		Condensing STD	54.7	53.8	52.5	51.7	49.8	45.0	43.7	42.5						
	41 DegC	Cooling Capacity (kw)	4.66	4.28	3.74	3.42	2.82	1.44	1.09	0.79						
		Power Input (kw)	2.53	2.46	2.37	2.30	2.09	1.50	1.30	1.12						
		Condensing STD	54.0	54.0	54.0	54.0	52.4	47.7	46.4	45.3						
R44/2FES-2Y	30 DegC	Cooling Capacity (kw)			5.23	4.91	4.16	2.27	1.77	1.33	16mm (5/8")	10mm (3/8")	95	850	700	600
		Power Input (kw)			2.74	2.64	2.40	1.74	1.53	1.33						
		Condensing STD			48.8	47.8	45.4	39.3	37.6	36.1						
	38 DegC	Cooling Capacity (kw)			4.50	4.17	3.48	1.84	1.41	1.03						
		Power Input (kw)			2.93	2.83	2.56	1.80	1.57	1.34						
		Condensing STD			54.0	54.0	52.1	46.4	44.8	43.4						
	41 DegC	Cooling Capacity (kw)				3.85	3.29	1.69	1.28	0.93						
		Power Input (kw)				2.94	2.61	1.83	1.58	1.35						
		Condensing STD				54.0	54.0	49.1	47.5	46.2						
R44/2FES-3Y	30 DegC	Cooling Capacity (kw)	6.05	5.71	5.22	4.91	4.15	2.26	1.76	1.32	16mm (5/8")	10mm (3/8")	98	850	700	600
		Power Input (kw)	2.99	2.88	2.72	2.62	2.38	1.72	1.52	1.33						
		Condensing STD	51.4	50.3	48.7	47.7	45.3	39.2	37.6	36.1						
	38 DegC	Cooling Capacity (kw)	5.65	5.08	4.50	4.15	3.48	1.84	1.41	1.03						
		Power Input (kw)	3.09	3.09	2.92	2.80	2.52	1.77	1.54	1.32						
		Condensing STD	54.0	54.0	54.0	54.0	52.0	46.3	44.8	43.3						
	41 DegC	Cooling Capacity (kw)	5.21	4.82	4.10	3.85	3.28	1.69	1.28	0.93						
		Power Input (kw)	3.36	3.23	3.04	2.91	2.57	1.79	1.55	1.32						
		Condensing STD	54.0	54.0	54.0	54.0	54.0	49.0	47.5	46.1						
R44/2EES-2Y	30 DegC	Cooling Capacity (kw)			6.19	5.84	5.00	2.80	2.20	1.67	16mm (5/8")	10mm (3/8")	112	850	700	600
		Power Input (kw)			3.22	3.09	2.77	1.92	1.67	1.43						
		Condensing STD			52.3	51.1	48.3	41.0	39.0	37.1						
	38 DegC	Cooling Capacity (kw)				5.10	4.21	2.28	1.76	1.31						
		Power Input (kw)				3.19	2.86	1.95	1.68	1.42						
		Condensing STD				54.0	54.0	47.8	45.9	44.2						
	41 DegC	Cooling Capacity (kw)					3.85	2.09	1.60	1.17						
		Power Input (kw)					2.90	1.95	1.67	1.41						
		Condensing STD					54.0	50.3	48.5	46.9						
R64/2EES-3Y	30 DegC	Cooling Capacity (kw)	9.22	8.65	7.82	7.30	6.08	3.19	2.45	1.83	22mm (7/8")	10mm (3/8")	147	1050	760	750
		Power Input (kw)	3.34	3.25	3.11	3.02	2.79	2.12	1.89	1.68						
		Condensing STD	44.5	43.7	42.5	41.8	40.1	35.9	34.7	33.8						
	38 DegC	Cooling Capacity (kw)	7.93	7.42	6.70	6.24	5.17	2.62	1.99	1.44						
		Power Input (kw)	3.55	3.45	3.29	3.19	2.93	2.17	1.92	1.67						
		Condensing STD	51.1	50.3	49.3	48.6	47.1	43.2	42.2	41.3						
	41 DegC	Cooling Capacity (kw)	7.44	6.96	6.27	5.83	4.82	2.41	1.81	1.30						
		Power Input (kw)	3.59	3.48	3.32	3.21	2.94	2.14	1.89	1.63						
		Condensing STD	53.5	52.8	51.8	51.2	49.7	46.0	45.0	44.1						
R64/2DES-2Y	30 DegC	Cooling Capacity (kw)			7.92	7.45	6.34	3.52	2.76	2.09	22mm (7/8")	10mm (3/8")	147	1050	760	750
		Power Input (kw)			3.86	3.70	3.33	2.34	2.04	1.75						
		Condensing STD			49.8	48.8	46.2	39.6	37.9	36.2						
	38 DegC	Cooling Capacity (kw)			6.90	6.45	5.33	2.89	2.23	1.66						
		Power Input (kw)			4.04	3.87	3.48	2.39	2.06	1.75						
		Condensing STD			54.0	54.0	52.6	46.6	45.0	43.5						
	41 DegC	Cooling Capacity (kw)				6.47	5.11	2.65	2.03	1.49						
		Power Input (kw)				3.91	3.49	2.38	2.05	1.73						
		Condensing STD				54.0	54.0	49.2	47.6	46.2						
R64/2DES-3Y	30 DegC	Cooling Capacity (kw)	10.47	9.84	8.94	8.37	7.02	3.76	2.92	2.19	22mm (7/8")	10mm (3/8")	147	1050	760	750
		Power Input (kw)	4.06	3.93	3.75	3.63	3.33	4.61	2.21	1.94						
		Condensing STD	46.9	45.9	44.6	43.8	41.8	36.9	35.6	34.5						
	38 DegC	Cooling Capacity (kw)	8.98	8.43	7.64	7.14	5.96	3.10	2.37	1.74						
		Power Input (kw)	4.31	4.17	3.96	3.83	3.50	2.54	2.24	1.95						
		Condensing STD	53.2	52.4	51.2	50.4	48.7	44.2	43.0	42.0						
	41 DegC	Cooling Capacity (kw)	8.80	8.08	7.15	6.67	5.55	2.85	2.16	1.57						
		Power Input (kw)	4.30	4.19	4.00	3.68	3.52	2.53	2.21	1.91						
		Condensing STD	54.0	54.0	53.7	52.9	51.2	46.9	45.8	44.8						
R64/2CES-3Y	30 DegC	Cooling Capacity (kw)		11.32	10.34	9.71	8.23	4.54	3.57	2.72	22mm (7/8")	10mm (3/8")	147	1050	760	750
		Power Input (kw)		5.03	4.77	4.59	4.17	3.03	2.68	2.35						
		Condensing STD		49.0	47.5	46.5	44.3	38.5	36.9	35.6						
	38 DegC	Cooling Capacity (kw)			8.81	8.27	6.97	3.76	2.91	2.18						
		Power Input (kw)			5.04	4.85	4.39	3.13	2.75	2.38						
		Condensing STD			53.8	53.0	50.9	45.6	44.0	43.0						
	41 DegC	Cooling Capacity (kw)				8.03	6.49	3.46	2.67	1.98						
		Power Input (kw)				4.86	4.43	3.13	2.73	2.36						
		Condensing STD				54.0	53.4	48.3	46.9	45.7						

Air Cooled Single Stage Condensing Units-Performance Data (R404A)

Unit Model Name	Ambient Temperature		Evaporating SST								Suction Line Connection	Discharge Line Connection	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
			2.0	0.0	-3.0	-5.0	-10.0	-25.0	-30.0	-35.0						
R85/2CES-4Y	30 DegC	Cooling Capacity (kw)	13.40	12.58	11.40	10.65	8.91	4.77	3.71	2.81	22mm (7/8")	10mm (3/8")	152	1050	760	880
		Power Input (kw)	4.77	4.63	4.43	4.29	3.95	2.96	2.64	2.33						
		Condensing STD	45.0	44.2	43.0	42.3	40.5	36.2	35.1	34.1						
	38 DegC	Cooling Capacity (kw)	11.54	10.82	9.78	9.13	7.60	3.97	3.05	2.26						
		Power Input (kw)	5.12	4.96	4.73	4.58	4.19	3.07	2.72	2.37						
		Condensing STD	51.6	50.9	49.8	49.2	47.6	43.7	42.6	41.7						
	41 DegC	Cooling Capacity (kw)	10.83	10.15	9.17	8.55	7.10	3.66	2.79	2.06						
		Power Input (kw)	5.23	5.07	4.83	4.67	4.27	3.10	2.73	2.37						
		Condensing STD	54.1	53.4	52.4	51.7	50.2	46.4	45.4	44.5						
R85/4FES-3Y	30 DegC	Cooling Capacity (kw)			10.93	10.26	8.68	4.76	3.75	2.89	22mm (7/8")	10mm (3/8")	152	1050	760	750
		Power Input (kw)			5.15	4.97	4.54	3.32	2.94	2.57						
		Condensing STD			48.7	47.7	45.2	39.1	37.5	36.0						
	38 DegC	Cooling Capacity (kw)			9.40	8.70	7.34	3.97	3.10	2.36						
		Power Input (kw)			5.41	5.22	4.77	3.43	3.02	2.62						
		Condensing STD			54.0	53.9	51.8	46.2	44.7	43.4						
	41 DegC	Cooling Capacity (kw)				8.68	6.88	3.67	2.86	2.16						
		Power Input (kw)				4.87	4.80	3.43	3.00	2.59						
		Condensing STD				54.1	54.0	48.9	47.5	46.2						
R85/4FES-5Y	30 DegC	Cooling Capacity (kw)	14.31	13.43	12.16	11.35	9.47	5.02	3.91	2.99	22mm (7/8")	10mm (3/8")	176	1050	760	880
		Power Input (kw)	5.11	4.97	4.77	4.63	4.28	3.23	2.89	2.55						
		Condensing STD	46.0	45.2	43.9	43.1	41.3	36.7	35.5	34.4						
	38 DegC	Cooling Capacity (kw)	12.26	11.49	10.39	9.69	8.06	4.20	3.25	2.45						
		Power Input (kw)	5.44	5.29	5.07	4.92	4.54	3.36	2.98	2.61						
		Condensing STD	52.5	51.7	50.6	49.9	48.2	44.1	43.0	42.0						
	41 DegC	Cooling Capacity (kw)	11.77	10.81	9.72	9.06	7.53	3.89	3.00	2.25						
		Power Input (kw)	5.51	5.39	5.17	5.01	4.61	3.40	3.00	2.61						
		Condensing STD	54.0	54.0	53.1	52.5	50.9	46.9	45.8	44.9						
R64/4EES-4Y	30 DegC	Cooling Capacity (kw)			12.63	11.91	10.18	5.75	4.56	3.54	28mm (1 1/8")	10mm (3/8")	152	1050	760	750
		Power Input (kw)			6.68	6.52	5.88	4.12	3.60	3.11						
		Condensing STD			52.6	51.5	48.6	41.2	39.2	37.4						
	38 DegC	Cooling Capacity (kw)				11.53	8.72	4.77	3.76	2.87						
		Power Input (kw)				6.82	6.14	4.25	3.69	3.16						
		Condensing STD				54.0	54.0	48.1	46.3	44.6						
	41 DegC	Cooling Capacity (kw)				11.44	9.06	4.41	3.45	2.63						
		Power Input (kw)				6.24	5.71	4.26	3.68	3.13						
		Condensing STD				53.0	53.0	50.7	48.9	47.4						
R85/4EES-6Y	30 DegC	Cooling Capacity (kw)	16.75	15.76	14.33	13.41	11.25	6.05	4.73	3.61	28mm (1 1/8")	12mm (1/2")	163	1050	760	880
		Power Input (kw)	6.67	6.46	6.15	5.94	5.42	3.93	3.46	3.02						
		Condensing STD	49.4	48.4	46.9	46.0	43.7	38.1	36.6	35.3						
	38 DegC	Cooling Capacity (kw)	14.79	13.64	12.22	11.42	9.55	5.03	3.89	2.92						
		Power Input (kw)	7.05	6.83	6.49	6.27	5.70	4.06	3.55	3.05						
		Condensing STD	54.0	54.0	53.3	52.5	50.4	45.3	44.0	42.8						
	41 DegC	Cooling Capacity (kw)	14.17	13.11	12.01	10.95	8.90	4.65	3.57	2.66						
		Power Input (kw)	7.26	7.02	6.52	6.33	5.79	4.10	3.56	3.05						
		Condensing STD	54.0	54.0	54.0	54.0	53.0	48.0	46.7	45.6						
R85/4DES-5Y	30 DegC	Cooling Capacity (kw)			16.25	15.26	12.91	7.11	5.62	4.33	28mm (1 1/8")	12mm (1/2")	163	1050	760	880
		Power Input (kw)			7.71	7.42	6.91	4.75	4.16	3.60						
		Condensing STD			49.8	48.8	46.2	39.7	37.9	36.4						
	38 DegC	Cooling Capacity (kw)				13.30	10.96	5.92	4.63	3.42						
		Power Input (kw)				7.84	7.07	4.93	4.28	3.67						
		Condensing STD				54.0	52.7	46.8	45.2	43.8						
	41 DegC	Cooling Capacity (kw)				13.76	10.88	5.48	4.26	3.22						
		Power Input (kw)				7.37	7.13	4.98	4.31	3.68						
		Condensing STD				53.0	53.0	49.4	47.9	46.5						
R104/4DES-7Y	30 DegC	Cooling Capacity (kw)	21.50	20.20	18.25	17.03	14.21	7.57	5.92	4.52	28mm (1 1/8")	12mm (1/2")	220	1200	900	825
		Power Input (kw)	8.02	7.79	7.45	7.23	6.66	5.00	4.46	3.95						
		Condensing STD	46.7	45.8	44.5	43.7	41.7	36.9	35.6	34.6						
	38 DegC	Cooling Capacity (kw)	18.60	17.41	15.72	14.65	12.17	6.33	4.89	3.68						
		Power Input (kw)	8.56	8.31	7.94	7.68	7.05	5.19	4.60	4.03						
		Condensing STD	53.3	52.4	51.2	50.5	48.7	44.3	43.1	42.1						
	41 DegC	Cooling Capacity (kw)	18.26	16.75	14.76	13.75	11.39	5.87	4.51	3.37						
		Power Input (kw)	8.58	8.39	8.06	7.80	7.14	5.21	4.60	4.01						
		Condensing STD	54.0	54.0	53.8	53.0	51.3	47.0	45.9	45.0						
R85/4CES-6Y	30 DegC	Cooling Capacity (kw)			18.37	17.28	14.69	8.19	6.48	5.00	28mm (1 1/8")	12mm (1/2")	190	1050	760	880
		Power Input (kw)			9.41	9.03	8.10	5.60	4.86	4.18						
		Condensing STD			53.1	51.8	48.8	41.3	39.2	37.4						
	38 DegC	Cooling Capacity (kw)				15.88	12.76	6.79	5.31	4.03						
		Power Input (kw)				9.46	8.47	5.77	4.97	4.23						
		Condensing STD				54.0	54.0	48.2	46.3	44.6						
	41 DegC	Cooling Capacity (kw)				16.37	12.19	6.28	4.88	3.68						
		Power Input (kw)				8.85	8.67	5.82	5.00	4.23						
		Condensing STD				54.0	54.0	50.8	49.0	47.4						
R114/4CES-9Y	30 DegC	Cooling Capacity (kw)	25.90	24.20	21.90	20.50	17.05	9.06	7.06	5.37	28mm (1 1/8")	12mm (1/2")	230	1500	900	850
		Power Input (kw)	9.83	9.52	9.05	8.75	7.99	5.83	5.15	4.50						
		Condensing STD	47.4	46.4	45.0	44.1	42.0	37.0	35.7	34.6						
	38 DegC	Cooling Capacity (kw)	22.50	21.00	18.96	17.65	14.62	7.55	5.80	4.34						
		Power Input (kw)	10.53	10.18	9.66	9.32	8.47	6.04	5.29	4.57						
		Condensing STD	53.9	53.0	51.7	50.9	49.0	44.4	43.2	42.1						
	41 DegC	Cooling Capacity (kw)	22.40	20.50	17.95	16.70	13.71	6.99	5.34	3.97						
		Power Input (kw)	10.50	10.24	9.81	9.45	8.59	6.07	5.29	4.55						
		Condensing STD	54.0	54.0	54.0	53.2	51.6	47.1	46.0	44.9						

Air Cooled Single Stage Condensing Units-Performance Data (R404A)

Unit Model Name	Ambient Temperature		Evaporating SST								Suction Line Connection	Discharge Line Connection	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
			2.0	0.0	-3.0	-5.0	-10.0	-25.0	-30.0	-35.0						
R104/4TES-9Y	30 DegC	Cooling Capacity (kw)			24.40	22.90	19.35	10.51	8.22	6.24	35mm (1 3/8")	16mm (5/8")	273	1200	900	825
		Power Input (kw)			11.89	11.36	10.12	6.89	5.96	5.11						
		Condensing STD			50.7	49.5	46.7	39.7	37.8	36.2						
	38 DegC	Cooling Capacity (kw)			20.15	16.38	8.66	6.67	4.96							
		Power Input (kw)			11.99	10.63	7.09	6.08	5.15							
		Condensing STD			54.0	53.1	46.7	45.0	43.5							
	41 DegC	Cooling Capacity (kw)			21.00	15.97	7.98	6.10	4.50							
		Power Input (kw)			11.03	10.66	7.12	6.08	5.12							
		Condensing STD			53.0	54.0	49.3	47.7	46.2							
R114/4TES-12Y	30 DegC	Cooling Capacity (kw)	30.40	28.50	25.90	24.20	20.30	10.83	8.42	6.36	35mm (1 3/8")	16mm (5/8")	297	1500	900	850
		Power Input (kw)	12.36	11.89	11.20	10.76	9.68	6.76	5.88	5.07						
		Condensing STD	50.9	49.7	48.1	47.0	44.5	38.4	36.7	35.3						
	38 DegC	Cooling Capacity (kw)	27.66	25.43	22.37	20.70	17.26	8.93	6.83	5.06						
		Power Input (kw)	13.11	12.60	11.85	11.37	10.19	6.96	6.01	5.12						
		Condensing STD	54.0	54.0	54.0	53.4	51.1	45.5	44.0	42.7						
	41 DegC	Cooling Capacity (kw)	26.58	24.55	21.60	20.40	16.11	8.24	6.26	4.60						
		Power Input (kw)	13.54	13.01	12.23	11.38	10.32	6.99	6.01	5.10						
		Condensing STD	54.0	54.0	54.0	53.6	51.3	45.7	44.2	42.9						
R114/4PES-12Y	30 DegC	Cooling Capacity (kw)			28.20	26.40	22.20	11.85	9.18	6.88	35mm (1 3/8")	16mm (5/8")	295	1500	900	850
		Power Input (kw)			12.95	12.39	11.05	7.50	6.45	5.48						
		Condensing STD			50.1	48.9	46.1	39.2	37.4	35.8						
	38 DegC	Cooling Capacity (kw)			22.84	18.73	9.66	7.35	5.37							
		Power Input (kw)			12.91	11.46	7.58	6.44	5.39							
		Condensing STD			54.0	52.5	46.1	44.5	43.0							
	41 DegC	Cooling Capacity (kw)			23.70	18.45	8.86	6.68	4.82							
		Power Input (kw)			12.05	10.79	7.55	6.37	5.29							
		Condensing STD			53.0	53.0	48.7	47.1	45.7							
R135/4PES-15Y	30 DegC	Cooling Capacity (kw)	38.30	35.80	32.30	30.00	24.80	12.69	9.69	7.18	42mm (1 5/8")	16mm (5/8")	364	1650	1000	1050
		Power Input (kw)	13.29	12.81	12.12	11.66	10.54	7.35	6.36	5.43						
		Condensing STD	46.4	45.5	44.1	43.2	41.2	36.2	35.0	33.9						
	38 DegC	Cooling Capacity (kw)	33.00	30.80	27.70	25.70	21.10	10.35	7.76	5.60						
		Power Input (kw)	14.17	13.64	12.86	12.34	11.07	7.50	6.41	5.39						
		Condensing STD	52.9	52.0	50.7	49.9	48.1	43.5	42.4	41.4						
	41 DegC	Cooling Capacity (kw)	32.10	29.30	25.90	24.00	19.66	9.51	7.06	5.04						
		Power Input (kw)	14.31	13.87	13.11	12.57	11.25	7.54	6.41	5.35						
		Condensing STD	54.0	54.0	53.2	52.5	50.6	46.3	45.1	44.2						
R124/4NES-14Y	30 DegC	Cooling Capacity (kw)			32.80	30.80	26.10	14.20	11.12	8.46	35mm (1 3/8")	16mm (5/8")	364	1650	1000	1050
		Power Input (kw)			15.58	14.94	13.38	9.15	7.90	6.74						
		Condensing STD			51.0	49.9	47.1	40.0	38.1	36.4						
	38 DegC	Cooling Capacity (kw)			27.09	22.00	11.66	9.00	6.70							
		Power Input (kw)			15.55	13.88	9.30	13.29	6.67							
		Condensing STD			54.0	53.4	46.9	45.1	43.6							
	41 DegC	Cooling Capacity (kw)			28.40	21.60	10.72	8.22	6.06							
		Power Input (kw)			14.58	13.88	9.27	7.87	6.57							
		Condensing STD			53.0	54.0	49.5	47.8	46.3							
R135/4NES-20Y	30 DegC	Cooling Capacity (kw)	43.20	40.60	36.70	34.30	28.60	15.11	11.72	8.85	42mm (1 5/8")	16mm (5/8")	367	1650	1000	1050
		Power Input (kw)	16.08	15.49	14.62	14.05	12.67	8.86	7.72	6.65						
		Condensing STD	49.0	47.9	46.4	45.4	43.1	37.5	36.0	34.8						
	38 DegC	Cooling Capacity (kw)	38.19	34.14	31.60	29.40	24.40	12.49	9.54	7.06						
		Power Input (kw)	17.16	16.51	15.55	14.92	13.39	9.16	7.90	6.74						
		Condensing STD	54.0	54.0	52.8	51.9	49.8	44.7	43.4	42.3						
	41 DegC	Cooling Capacity (kw)	37.03	34.04	30.60	27.90	22.80	11.53	8.75	6.43						
		Power Input (kw)	17.79	17.10	15.70	15.18	13.64	9.26	7.96	6.77						
		Condensing STD	54.0	54.0	54.0	54.0	52.4	47.4	46.2	45.1						
R135/4JE-15Y	30 DegC	Cooling Capacity (kw)		44.30	40.30	37.80	31.90	17.39	13.65	10.39	42mm (1 5/8")	16mm (5/8")	396	1650	1000	1050
		Power Input (kw)		18.07	17.04	16.37	14.77	10.45	9.16	7.93						
		Condensing STD		49.9	48.3	47.3	44.8	38.7	37.1	35.7						
	38 DegC	Cooling Capacity (kw)			35.11	32.50	27.20	14.45	11.15	8.31						
		Power Input (kw)			18.01	17.28	15.52	10.75	9.32	7.97						
		Condensing STD			54.6	53.7	51.4	45.8	44.3	43.0						
	41 DegC	Cooling Capacity (kw)				32.20	26.10	13.36	10.23	7.56						
		Power Input (kw)				17.32	15.00	10.82	9.34	7.95						
		Condensing STD				54.0	53.0	48.5	47.1	45.8						
R135/4JE-22Y	30 DegC	Cooling Capacity (kw)	46.40	43.60	39.70	37.20	31.30	16.79	13.07	9.84	42mm (1 5/8")	16mm (5/8")	408	1650	1000	1050
		Power Input (kw)	18.11	17.42	16.43	15.78	14.23	10.03	8.76	7.56						
		Condensing STD	50.6	49.5	47.9	46.9	44.4	38.4	36.8	35.4						
	38 DegC	Cooling Capacity (kw)	42.16	38.88	34.23	31.90	26.60	13.83	10.55	7.74						
		Power Input (kw)	19.13	18.40	17.31	16.61	14.91	10.26	8.85	7.51						
		Condensing STD	54.0	54.0	54.0	53.3	51.0	45.5	44.0	42.7						
	41 DegC	Cooling Capacity (kw)	40.34	37.41	34.10	31.20	24.80	12.74	9.63	6.99						
		Power Input (kw)	19.70	18.93	17.31	16.69	15.12	10.30	8.84	7.46						
		Condensing STD	54.0	54.0	54.2	54.0	53.5	48.1	46.7	45.5						
R135/4HE-18Y	30 DegC	Cooling Capacity (kw)			44.40	41.80	35.60	19.91	15.77	12.16	42mm (1 5/8")	16mm (5/8")	400	1650	1000	1050
		Power Input (kw)			20.80	19.95	17.87	12.41	10.81	9.33						
		Condensing STD			50.8	49.7	47.0	40.2	38.3	36.7						
	38 DegC	Cooling Capacity (kw)				37.16	30.30	16.59	12.98	9.83						
		Power Input (kw)				21.00	18.74	12.78	11.05	9.43						
		Condensing STD				54.0	53.4	47.2	45.5	44.0						
	41 DegC	Cooling Capacity (kw)				35.60	30.70	15.35	11.95	8.98						
		Power Input (kw)				21.50	18.00	12.89	11.10	9.44						
		Condensing STD				54.0	53.0	49.8	48.1	46.7						

Air Cooled Single Stage Condensing Units-Performance Data (R404A)

Unit Model Name	Ambient Temperature		Evaporating SST								Suction Line Connection	Discharge Line Connection	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
			2.0	0.0	-3.0	-5.0	-10.0	-25.0	-30.0	-35.0						
R335/4HE-25Y	30 DegC	Cooling Capacity (kw)	51.00	48.20	44.10	41.50	35.20	19.47	15.34	11.73	54mm (2 1/8")	22mm (7/8")	422	2500	1100	1010
		Power Input (kw)	21.80	21.00	19.76	18.98	17.09	11.99	10.47	9.05						
		Condensing STD	53.3	52.2	50.4	49.3	46.6	39.9	38.1	36.5						
	38 DegC	Cooling Capacity (kw)	48.26	44.68	39.69	36.46	29.90	16.14	12.54	9.39						
		Power Input (kw)	22.80	22.00	20.70	19.87	17.84	12.30	10.64	9.09						
		Condensing STD	54.0	54.0	54.0	54.0	53.0	46.9	45.2	43.7						
	41 DegC	Cooling Capacity (kw)		42.70	37.95	34.95	29.90	14.91	11.51	8.55						
		Power Input (kw)		22.50	21.20	20.30	17.15	12.38	10.67	9.07						
		Condensing STD		54.0	54.0	54.0	53.0	49.5	47.9	46.4						
R135/4GE-23Y	30 DegC	Cooling Capacity (kw)			48.10	45.40	39.10	22.50	18.03	14.06	54mm (2 1/8")	22mm (7/8")	410	1650	1000	1050
		Power Input (kw)			25.40	24.30	21.60	14.70	12.75	10.95						
		Condensing STD			53.5	52.3	49.3	41.7	39.6	37.8						
	38 DegC	Cooling Capacity (kw)				41.84	34.16	18.82	14.93	11.51						
		Power Input (kw)				25.40	22.60	15.18	13.08	11.14						
		Condensing STD				54.0	54.0	48.6	46.7	45.0						
	41 DegC	Cooling Capacity (kw)				43.50	35.60	17.43	13.78	10.57						
		Power Input (kw)				24.00	21.50	15.33	13.17	11.18						
		Condensing STD				54.0	53.0	51.2	49.4	47.7						
R335/6JE-25Y	30 DegC	Cooling Capacity (kw)			52.90	48.70	41.70	23.70	18.82	14.56	54mm (2 1/8")	22mm (7/8")	440	2500	1100	1010
		Power Input (kw)			25.30	25.10	50.50	15.36	13.24	11.27						
		Condensing STD			54.0	53.6	50.5	42.3	40.1	38.1						
	38 DegC	Cooling Capacity (kw)				48.30	38.10	19.61	15.37	11.66						
		Power Input (kw)				24.50	23.40	15.70	13.41	11.27						
		Condensing STD				54.0	54.0	49.0	47.0	45.1						
	41 DegC	Cooling Capacity (kw)					39.10	18.10	14.10	10.61						
		Power Input (kw)					22.20	15.79	13.43	11.22						
		Condensing STD					53.0	51.6	49.5	47.8						
R335/6HE-28Y	30 DegC	Cooling Capacity (kw)				54.49	45.10	26.50	21.30	16.66	54mm (2 1/8")	22mm (7/8")	455	2500	1100	1010
		Power Input (kw)				30.60	27.20	18.30	15.74	13.37						
		Condensing STD				54.0	53.1	44.2	41.7	39.4						
	38 DegC	Cooling Capacity (kw)					41.72	22.00	17.45	13.43						
		Power Input (kw)					28.20	18.73	15.97	13.43						
		Condensing STD					54.0	50.7	48.4	46.3						
	41 DegC	Cooling Capacity (kw)					46.40	21.10	16.02	12.25						
		Power Input (kw)					26.30	18.79	16.01	13.39						
		Condensing STD					52.0	52.0	51.0	48.9						
R405/6HE-35Y	30 DegC	Cooling Capacity (kw)	90.90	83.90	74.10	68.10	54.60	25.80	19.27	13.91	54mm (2 1/8")	22mm (7/8")	476	2500	1050	1950
		Power Input (kw)	27.40	26.90	25.90	25.30	23.50	17.17	14.91	12.66						
		Condensing STD	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0						
	38 DegC	Cooling Capacity (kw)	76.90	70.70	62.10	56.80	45.10	20.30	14.75	10.31						
		Power Input (kw)	30.20	29.40	28.20	27.40	25.20	17.72	15.14	12.59						
		Condensing STD	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0						
	41 DegC	Cooling Capacity (kw)	73.30	67.30	59.00	54.00	42.70	18.90	13.65	9.45						
		Power Input (kw)	30.80	30.00	28.70	27.90	25.50	17.80	15.14	12.52						
		Condensing STD	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0						
R335/4FE-28Y	30 DegC	Cooling Capacity (kw)		78.40	69.50	64.10	51.90	25.40	19.32	14.25	54mm (2 1/8")	22mm (7/8")	470	2500	1100	1010
		Power Input (kw)		26.70	25.70	25.10	23.20	16.89	14.65	12.43						
		Condensing STD		42.0	42.0	42.0	42.0	42.0	42.0	42.0						
	38 DegC	Cooling Capacity (kw)		66.00	58.30	53.60	43.10	20.40	15.15	10.88						
		Power Input (kw)		29.30	28.00	27.20	24.90	17.45	14.91	12.42						
		Condensing STD		50.0	50.0	50.0	50.0	50.0	50.0	50.0						
	41 DegC	Cooling Capacity (kw)			55.50	50.90	40.80	20.40	14.93	10.06						
		Power Input (kw)			28.60	27.70	25.30	17.54	14.93	12.38						
		Condensing STD			52.0	52.0	52.0	52.0	52.0	52.0						
R270/4GE-30Y	30 DegC	Cooling Capacity (kw)	71.00	65.50	57.90	53.20	42.80	20.30	15.25	11.08	54mm (2 1/8")	22mm (7/8")	480	1650	1050	1950
		Power Input (kw)	21.60	21.10	20.30	19.73	18.23	13.21	11.48	9.76						
		Condensing STD	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0						
	38 DegC	Cooling Capacity (kw)	59.80	54.90	48.30	44.20	35.20	16.03	11.77	8.35						
		Power Input (kw)	23.60	22.90	21.90	21.20	19.42	13.59	11.64	9.75						
		Condensing STD	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0						
	41 DegC	Cooling Capacity (kw)	56.90	52.30	45.90	42.00	33.30	14.96	10.93	7.70						
		Power Input (kw)	24.00	23.30	22.30	21.60	19.68	13.65	11.65	9.72						
		Condensing STD	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0						
R270/6GE-34Y	30 DegC	Cooling Capacity (kw)		97.80	86.80	80.00	64.80	32.00	24.50	18.24	54mm (2 1/8")	22mm (7/8")	492	1650	1050	1950
		Power Input (kw)		33.60	32.40	31.50	29.20	21.40	18.67	16.04						
		Condensing STD		42.0	42.0	42.0	42.0	42.0	42.0	42.0						
	38 DegC	Cooling Capacity (kw)		82.70	73.10	67.20	54.00	25.70	19.31	14.09						
		Power Input (kw)		37.20	35.60	34.50	31.60	22.40	19.33	16.35						
		Condensing STD		50.0	50.0	50.0	50.0	50.0	50.0	50.0						
	41 DegC	Cooling Capacity (kw)			69.60	63.90	51.20	24.10	19.29	13.07						
		Power Input (kw)			36.40	35.20	32.20	22.60	19.44	16.38						
		Condensing STD			52.0	52.0	52.0	52.0	52.0	52.0						

Air Cooled Two Stage Condensing Units-Performance Data (R404A)

Unit Model Name	Ambient Temperature		Evaporating SST				Suction Line Connection	Liquid Line Connection	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
			-30.0	-35.0	-40.0	-45.0						
R104/S4T-5.2Y	30 DegC	Cooling Capacity (kw)	7.23	5.92	4.80	3.84	28mm (1 1/8")	12mm (1/2")	277	1250	900	880
		Power Input (kw)	5.23	4.82	4.41	4.00						
		Condensing STD	36.9	35.9	35.0	34.2						
		Liquid Subcooling	35.8	39.4	43.0	46.7						
	38 DegC	Cooling Capacity (kw)	6.95	5.68	4.59	3.66						
		Power Input (kw)	5.66	5.20	4.74	4.29						
		Condensing STD	44.9	43.9	43.1	42.3						
		Liquid Subcooling	40.8	44.5	48.2	51.9						
	41 DegC	Cooling Capacity (kw)	6.85	5.60	4.52	3.60						
		Power Input (kw)	5.83	5.35	4.87	4.40						
		Condensing STD	48.0	47.0	46.1	45.3						
		Liquid Subcooling	42.7	46.4	50.1	53.9						
R114/S4N-8.2Y	30 DegC	Cooling Capacity (kw)	10.10	8.29	6.74	5.41	28mm (1 1/8")	12mm (1/2")	283	1500	900	850
		Power Input (kw)	7.42	6.77	6.14	5.52						
		Condensing STD	39.8	38.3	37.1	36.0						
		Liquid Subcooling	36.7	40.1	43.7	47.2						
	38 DegC	Cooling Capacity (kw)	9.69	7.95	6.45	5.16						
		Power Input (kw)	8.04	7.32	6.62	5.94						
		Condensing STD	47.8	46.4	45.2	44.1						
		Liquid Subcooling	41.5	45.0	48.6	52.3						
	41 DegC	Cooling Capacity (kw)	9.54	7.83	6.34	5.07						
		Power Input (kw)	8.27	7.53	6.81	6.10						
		Condensing STD	50.9	49.5	48.2	47.1						
		Liquid Subcooling	43.3	46.9	50.5	54.2						
R124/S4G-12.2Y	30 DegC	Cooling Capacity (kw)	15.50	10.30	40.6	33.5	35mm (1 3/8")	12mm (1/2")	383	1650	1000	1050
		Power Input (kw)	12.99	9.29	39.2	37.0						
		Condensing STD	10.72	8.30	37.9	40.7						
		Liquid Subcooling	8.70	7.35	36.7	44.5						
	38 DegC	Cooling Capacity (kw)	14.77	12.36	10.20	8.27						
		Power Input (kw)	11.26	10.15	9.05	7.98						
		Condensing STD	48.7	47.3	46.0	44.8						
		Liquid Subcooling	38.1	41.7	45.5	49.4						
	41 DegC	Cooling Capacity (kw)	14.44	2.09	9.98	8.10						
		Power Input (kw)	12.34	11.19	10.05	8.93						
		Condensing STD	52.4	50.9	49.5	48.2						
		Liquid Subcooling	40.1	43.7	47.5	51.4						
R135/S6J-16.2Y	30 DegC	Cooling Capacity (kw)	21.50	18.10	15.02	12.26	42mm (1 5/8")	16mm (5/8")	435	1650	1000	1050
		Power Input (kw)	14.62	13.04	11.58	10.22						
		Condensing STD	40.2	38.9	37.6	36.4						
		Liquid Subcooling	25.6	29.2	33.1	37.1						
	38 DegC	Cooling Capacity (kw)	20.60	17.29	14.32	11.67						
		Power Input (kw)	15.96	14.24	12.65	11.16						
		Condensing STD	48.4	47.0	45.7	44.5						
		Liquid Subcooling	30.9	34.5	38.3	42.4						
	41 DegC	Cooling Capacity (kw)	20.20	16.89	13.98	11.40						
		Power Input (kw)	17.32	15.52	13.84	12.27						
		Condensing STD	52.7	51.1	49.6	48.3						
		Liquid Subcooling	34.1	37.1	40.8	44.8						

Air Cooled Two Stage Condensing Units-Performance Data (R404A)

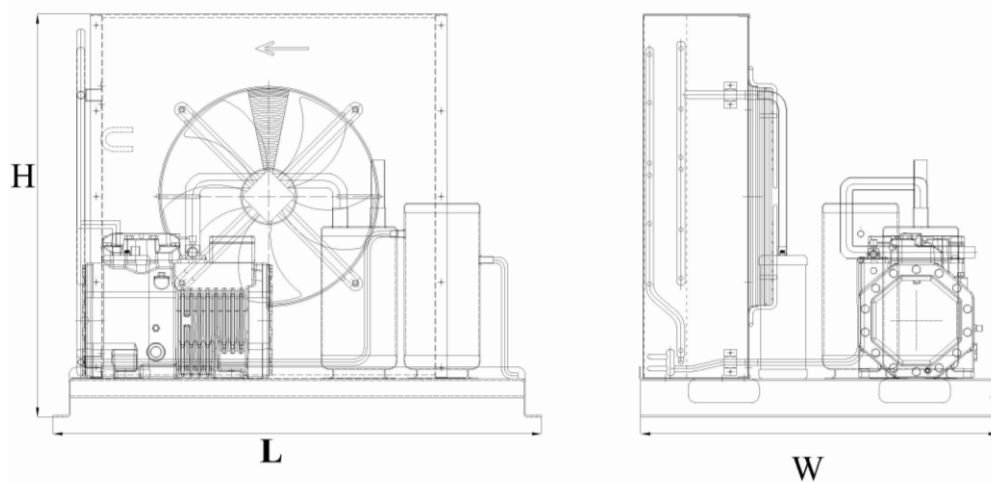
Unit Model Name	Ambient Temperature		Evaporating SST				Suction Line Connection	Liquid Line Connection	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
			-30.0	-35.0	-40.0	-45.0						
R135/S6H-20.2Y	30 DegC	Cooling Capacity (kw)	24.60	20.70	17.22	14.07	42mm (1 5/8")	16mm (5/8")	447	1650	1000	1050
		Power Input (kw)	17.24	15.35	13.60	11.98						
		Condensing STD	41.8	40.2	38.8	37.4						
		Liquid Subcooling	26.0	29.6	33.4	37.4						
	38 DegC	Cooling Capacity (kw)	23.50	19.74	16.39	13.39						
		Power Input (kw)	18.77	16.73	14.83	13.07						
		Condensing STD	49.9	48.3	46.9	35.5						
		Liquid Subcooling	31.3	34.7	38.5	42.6						
	41 DegC	Cooling Capacity (kw)	23.00	19.25	15.97	13.05						
		Power Input (kw)	20.30	18.13	16.12	14.26						
		Condensing STD	54.6	52.7	51.0	49.5						
		Liquid Subcooling	34.7	37.5	41.0	45.0						
R335/S6G-25.2Y	30 DegC	Cooling Capacity (kw)	28.40	24.00	19.89	16.25	42mm (1 5/8")	22mm (7/8")	666	2500	1100	1010
		Power Input (kw)	21.00	19.01	17.11	15.33						
		Condensing STD	39.2	38.0	36.9	35.8						
		Liquid Subcooling	23.8	27.6	31.6	35.9						
	38 DegC	Cooling Capacity (kw)	27.20	22.80	18.93	15.45						
		Power Input (kw)	22.80	20.60	18.49	16.55						
		Condensing STD	47.3	46.1	44.9	43.9						
		Liquid Subcooling	28.9	32.7	36.8	41.1						
	41 DegC	Cooling Capacity (kw)	26.70	22.40	18.57	15.15						
		Power Input (kw)	23.50	21.20	19.01	17.01						
		Condensing STD	50.4	49.1	48.0	46.9						
		Liquid Subcooling	30.9	34.6	38.6	42.9						
R270/S6F-30.2Y	30 DegC	Cooling Capacity (kw)	33.40	28.20	23.40	19.17	42mm (1 5/8")	22mm (7/8")	667	1650	1050	1950
		Power Input (kw)	25.10	22.70	20.40	18.19						
		Condensing STD	40.9	39.5	38.2	36.9						
		Liquid Subcooling	24.0	27.7	31.7	35.9						
	38 DegC	Cooling Capacity (kw)	31.70	26.70	22.20	18.20						
		Power Input (kw)	27.20	24.60	22.00	19.66						
		Condensing STD	49.0	47.6	46.2	45.0						
		Liquid Subcooling	28.9	32.5	36.6	40.9						
	41 DegC	Cooling Capacity (kw)	31.10	26.20	21.80	17.84						
		Power Input (kw)	28.00	25.30	22.70	20.20						
		Condensing STD	52.1	50.6	49.3	48.1						
		Liquid Subcooling	30.8	34.4	38.4	42.8						

Important Notes

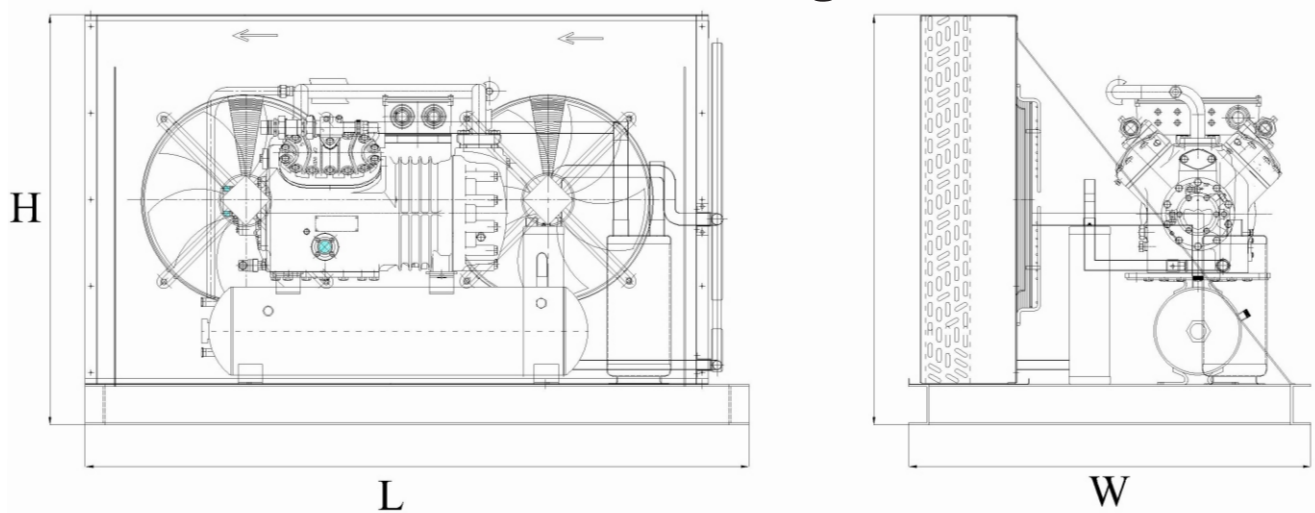
1. The data provided in this tech sheet is for specific conditions and it can vary with location and load.
2. It is advised that the unit should not be used in corrosive atmosphere.
3. All data is subject to change without prior notice.
4. The components data could change slightly depending on manufacturer design and data changes.
5. The capacity and power consumption can vary in +/-3% range for specific condition.
6. The technical and commercial information provided is property of **Bluecold Refrigeration Pvt. Ltd.**
7. **Bluecold** Condensing Unit are manufactured to world class standards.

Air Cooled Condensing Units-Geometrical Diagram

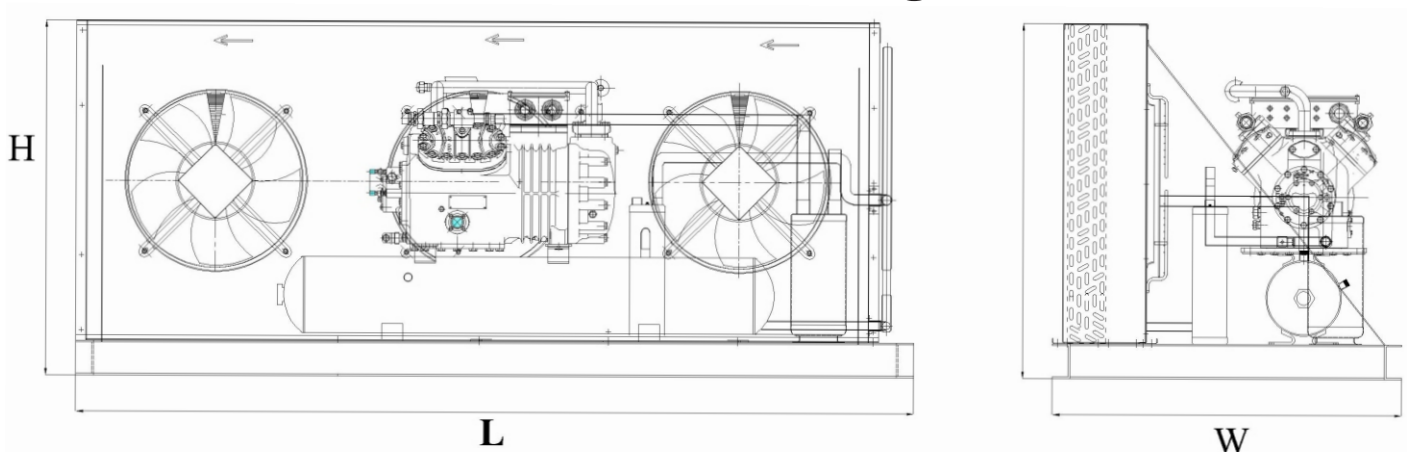
One Fan Condensing Unit



Two Fans Condensing Unit

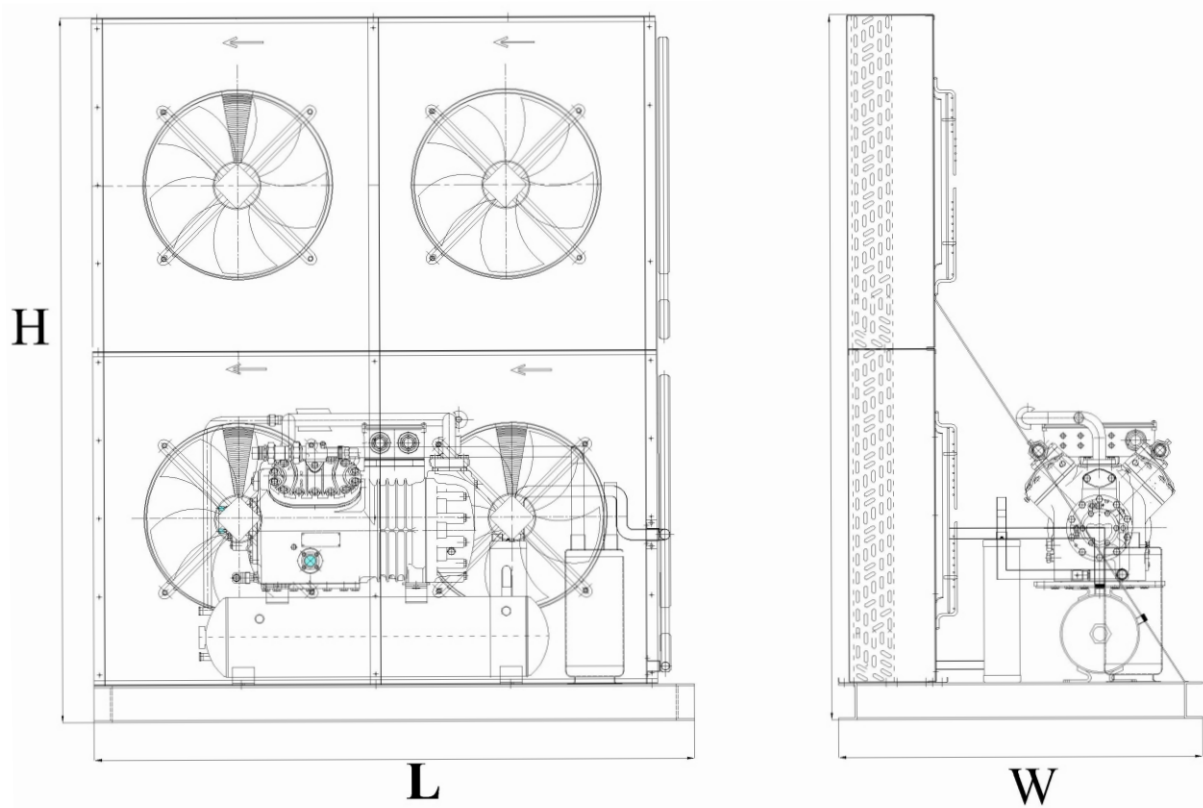


Three Fans Condensing Unit

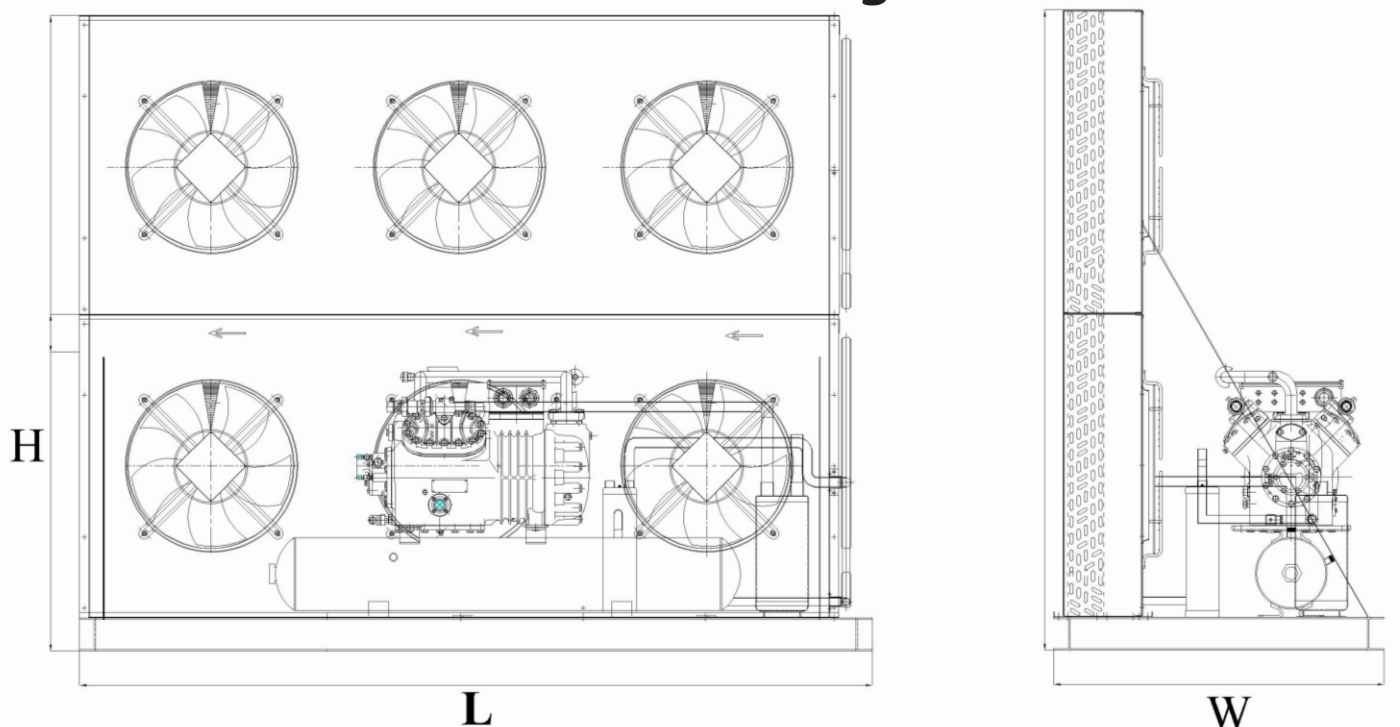


Air Cooled Condensing Units- Geometrical Diagram

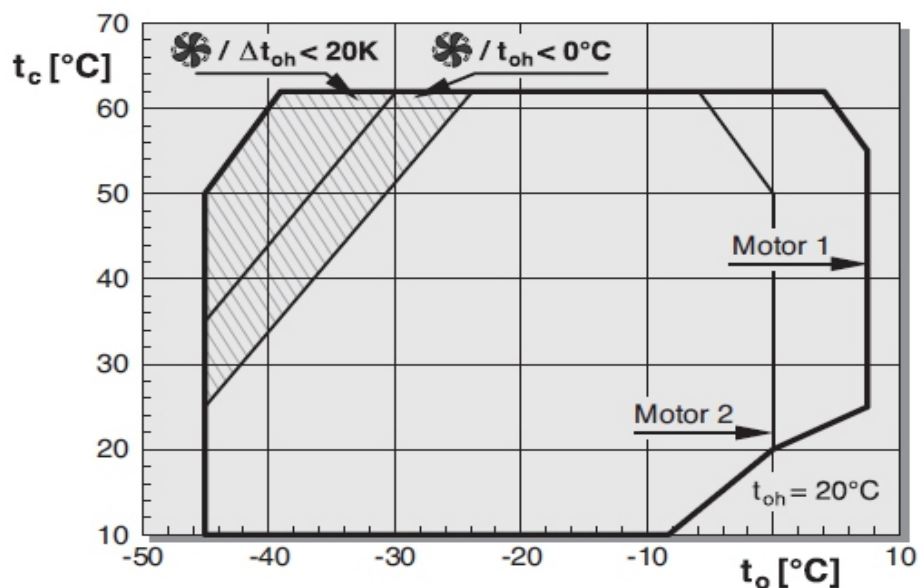
Four Fans Condensing Unit



Six Fans Condensing Unit



Air Cooled Condensing Units- Application Limits

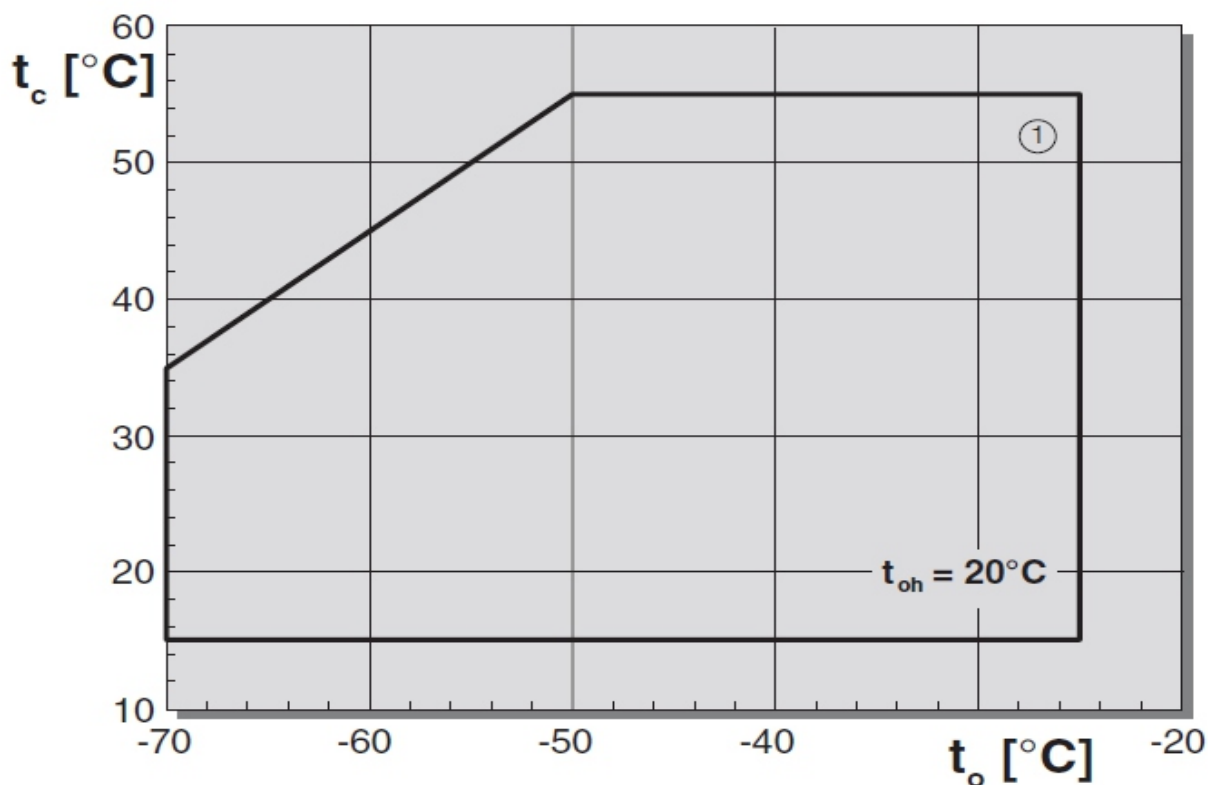


For Single Stage Compressors Upto 6 Cylinders with R404A

t_o : Evaporation Temperature (°C)

t_c : Condensing Temperature (°C)

t_{oh} : Suction Gas Temperature (°C)



For Two Stage Compressors with R404A Gas

t_o : Evaporation Temperature (°C)

t_c : Condensing Temperature (°C)

t_{oh} : Suction Gas Temperature (°C)



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