

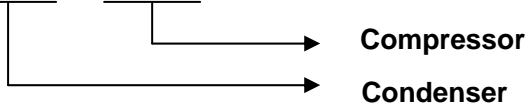
# CDS series condensing units (Bitzer compressor)

## 1. Product description:

- ◆ Temperature scope:  $-5^{\circ}\text{C} \sim 5^{\circ}\text{C}$ 、 $-15^{\circ}\text{C} \sim -25^{\circ}\text{C}$
- ◆ Semi-Hermetic Bitzer compressor
- ◆ Copper tube & aluminum fin typ heat exchanger

## 2. Nomenclature:

CDS55 / 4EC6.2



## 3. Standard configuration

**CDS25/2GC2.2.....CDS90/4NCS12.2**

- Semi-hermetic compressor • Crankcase heater • Condenser • Horizontal receiver • Filter Drier • Sight glass • Hand valve
- Pressure control • Hi-Low pressure gauge • Electrical box

**CDS110/4H15.2.....CDS130/4G20.2**

- Semi-hermetic compressor • Crankcase heater • Vibration Eliminator • Oil separator • Condenser • Horizontal receiver • Filter drier • Sight glass • Hand valve • Pressure control • Oil pressure control • Hi-Low pressure gauge • Electrical box

## 4. Specifications:

### 4.1 Middle and high temperature units:

Model	Capacit	Input	Condenser Fan Motor						Pipe	
	W	KW	Air	Dia	Input w	Qty	Volta	Pole	Liquid	Suctio
CDS25/2GC2.2	3990	2.1	4600	450	180	1	380	6	3/8"	5/8"
CDS35/2FC3.2	4820	2.5	4600	450	180	1	380	6	3/8"	5/8"
CDS35/2EC3.2	5670	2.8	4600	450	180	1	380	6	1/2"	7/8"
CDS35/2DC3.2	6780	3.2	4600	450	180	1	380	6	1/2"	7/8"
CDS40/2CC4.2	8350	4.0	6150	500	320	1	380	6	1/2"	7/8"
CDS45/4FC5.2	9640	4.4	6800	560	280	1	380	8	1/2"	7/8"
CDS55/4EC6.2	11850	5.4	6800	560	280	1	380	8	1/2"	1-1/8"
CDS65/4DC7.2	14480	6.4	6800	560	280	1	380	8	5/8"	1-1/8"
CDS90/4VCS10.2	19190	8.0	13600	560	560	2	380	8	5/8"	1-1/8"
CDS110/4TCS12.2	23150	9.7	13600	560	560	2	380	8	5/8"	1-3/8"
CDS130/4PCS15.2	27700	11.4	16400	610	760	2	380	8	7/8"	1-5/8"
CDS150/4NCS20.2	32300	13.4	16400	610	760	2	380	8	7/8"	1-5/8"

- Remarks: 1. Test condition:  $-5^{\circ}\text{C}/50^{\circ}\text{C}$ .
2. At 0 static pressure the Air flow is maximum.
3. Power supply : 380V/50Hz.
4. Refrigerant: R22.

#### 4.2 Middle and low temperature units:

Model	Capacit	Input	Condenser Fan Motor						Pipe	
	W	KW	Air	Dia	Input w	Qty	Voltag	Pol	Liqui	Suction
CDS25/2DC2.2	3520	2.3	4600	450	180	1	380	6	3/8"	7/8"
CDS25/2CC3.2	4450	2.7	4600	450	180	1	380	6	3/8"	7/8"
CDS35/4FC3.2	4960	3.1	4600	450	180	1	380	6	1/2"	7/8"
CDS35/4EC4.2	6160	3.8	4600	450	180	1	380	6	1/2"	1-1/8"
CDS45/4DC5.2	7280	4.2	6800	560	280	1	380	8	1/2"	1-1/8"
CDS55/4VCS6.2	9650	5.1	6800	560	280	1	380	8	5/8"	1-1/8"
CDS65/4TCS8.2	11880	6.4	6800	560	280	1	380	8	5/8"	1-3/8"
CDS80/4PCS10.2	13800	7.7	12300	500	640	2	380	6	5/8"	1-3/8"
CDS90/4NCS12.2	16150	8.4	13600	560	560	2	380	8	7/8"	1-3/8"
CDS110/4H15.2	21100	11.8	13600	560	560	2	380	8	7/8"	1-5/8"
CDS130/4G20.2	24450	13.4	16400	610	760	2	380	8	7/8"	2-1/8"

Remarks: 1. Test condition: -20°C/ 50°C.

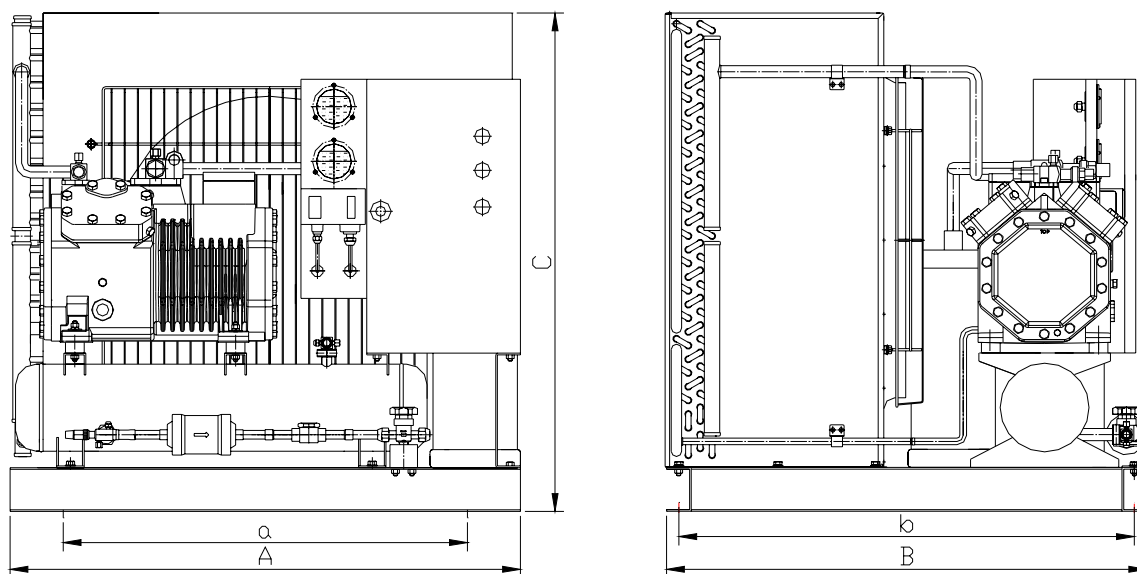
2. Air flow is the max value at 0 static pressure.

3. Power supply : 380V/50Hz.

4. Refrigerant for all is R22.

5. The CIC liquid injection system is needed at the lower temperature.

#### 5. Overall Dimension



Model	A	B	C	a	b	Hole	Model	A	B	C	a	b	Hole
CDS25/2GC2.2	930	880	770	730	835	4-φ13	CDS25/2DC2.2	930	880	770	730	835	4-φ13
CDS35/2FC3.2	930	880	770	730	835	4-φ13	CDS35/2CC3.2	930	880	770	730	835	4-φ13
CDS35/2EC3.2	930	880	770	730	835	4-φ13	CDS35/4FC3.2	930	930	790	730	885	4-φ13
CDS35/2DC3.2	930	880	770	730	835	4-φ13	CDS35/4EC4.2	930	930	790	730	885	4-φ13
CDS40/2CC4.2	930	880	770	730	835	4-φ13	CDS45/4DC5.2	930	930	910	730	885	4-φ13
CDS45/4FC5.2	930	930	910	730	885	4-φ13	CDS55/4VCS6.2	1150	925	910	900	880	4-φ13
CDS55/4EC6.2	930	930	910	730	885	4-φ13	CDS65/4TCS8.2	1150	925	1010	900	880	4-φ13
CDS65/4DC7.2	930	930	1010	730	885	4-φ13	CDS80/4PCS10.2	1520	925	910	1100	880	4-φ13
CDS90/4VCS10.2	1520	925	1010	1100	880	4-φ13	CDS90/4NCS12.2	1520	925	1010	1100	880	4-φ13
CDS110/4TCS12.2	1520	925	1010	1100	880	4-φ13	CDS110/4H15.2	1620	1000	1010	1100	955	4-φ13
CDS130/4PCS15.2	1620	1000	1010	1200	955	4-φ13	CDS130/4G20.2	1620	1255	1010	1200	1010	4-φ13
CDS150/4NCS20.2	1620	1000	1010	1200	955	4-φ13							

