



## Applications

**Retail:** Small Format, Convenience Stores, Supermarkets  
**Industrial:** Cold Storage, Food Processing, Chiller, Pharmaceutical

**Operating Range:** 10°F to 30°F  
**Ambient Conditions:** -20°F to 105°F  
**Capacity:** 3 tons to 12 tons and 39 MBH to 60 MBH  
**Designed for:** 130/90 bar

### Air Cooled

Refrigeration Data <sup>1</sup>	AIR COOLED CAPACITY				
	+10°F	+15°F	+20°F	+25°F	+30°F
	MODEL	MBH	MBH	MBH	MBH
CNDU-01-M-4	29	21	42	44	46
CNDU-01-M-5	39	42	56	59	62
CNDU-01-M-7	54	58	77	81	85
CNDU-01-M-9	N/A <sup>3</sup>	77	101	106	111

### Adiabatic

Refrigeration Data <sup>2</sup>	ADIABATIC CAPACITY				
	+10°F	+15°F	+20°F	+25°F	+30°F
	MODEL	MBH	MBH	MBH	MBH
CNDU-01-M-4	48	52	55	57	60
CNDU-01-M-5	64	69	73	76	80
CNDU-01-M-7	89	94	99	103	108
CNDU-01-M-9	N/A <sup>3</sup>	123	130	136	142

### Physical Data<sup>3</sup>

MODEL	SHIP WEIGHT	OPERATIONAL WEIGHT
CNDU-01-M-4	1,900	2,000
CNDU-01-M-5	2,000	2,100
CNDU-01-M-7	2,400	2,600
CNDU-01-M-9	2,600	2,800

### Physical Data<sup>3</sup>

MODEL	SHIP WEIGHT	OPERATIONAL WEIGHT
CNDU-01-M-4	2,000	2,100
CNDU-01-M-5	2,200	2,300
CNDU-01-M-7	2,700	2,900
CNDU-01-M-9	2,900	3,100

Notes:

- Air Cooled Ratings based on 105°F gas cooler outlet.
- Adiabatic Ratings based on 85°F gas cooler outlet.
- Dimensions and weights are considered based on Guntner gas coolers and maximum 2 fan configuration.

### Electrical Data

MODEL	MCA	MOPD
CNDU-01-M-4	40	80
CNDU-01-M-5	50	90
CNDU-01-M-7	63	90
CNDU-01-M-9	82	100

### Piping

MODEL	LIQUID	SUCTION
CNDU-01-M-4	1/2"	5/8"
CNDU-01-M-5	1/2"	5/8"
CNDU-01-M-7	1/2"	7/8"
CNDU-01-M-9	1/2"	7/8"

Notes:

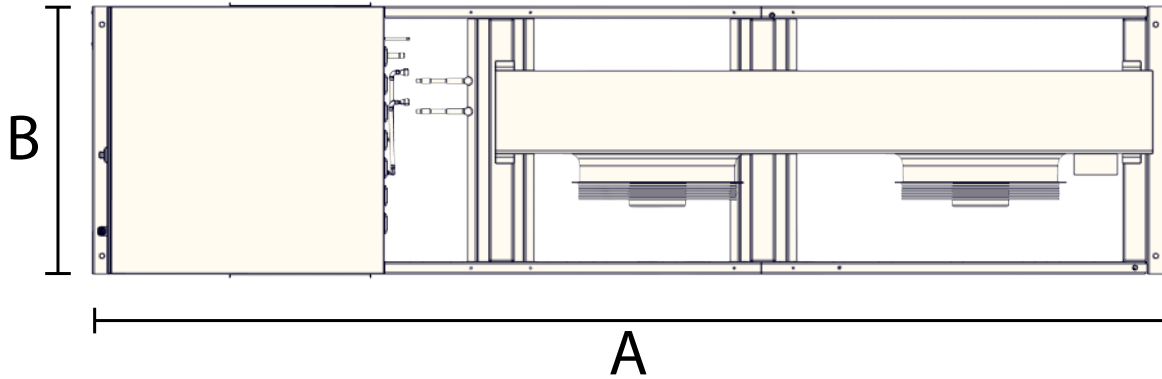
- Condensing unit has a minimum 15°F Suction temperature and +10°F is the out of range envelope.
- Flash Gas Tank pressure will vary at each condition to avoid negative flow through Flash Gas Bypass.
- Liquid injection considered 1% to reduce discharge temperature below 260°F.
- Gas cooler pressure is considered as Optimum and pressure is considered by compressor software as optimal.
- Hot Gas Bypass injection will apply when return gas temperature of superheat is low at compressor suction.

Specifications are subject to change without notice. All dimensions are nominal.

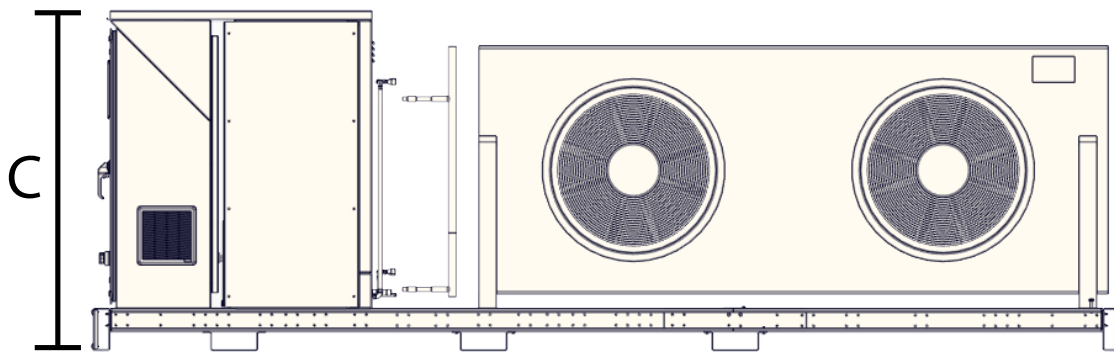


### System Dimensions

Top View



Front View



#### Air Cooled Dimensions<sup>3</sup>

Measurements	M-4	M-5	M-7	M-9
A: System Length (in.)	125	125	173 2/3	173 2/3
B: System Depth (in.)	43 1/3	43 1/3	43 1/3	43 1/3
C: System Height (in.)	57 2/5	57 2/5	57 2/5	57 2/5

#### Adiabatic Dimensions<sup>3</sup>

Measurements	M-4	M-5	M-7	M-9
A: System Length (in.)	125	125	173 2/3	173 2/3
B: System Depth (in.)	43 1/3	43 1/3	43 1/3	43 1/3
C: System Height (in.)	59 1/3	59 1/3	59 1/3	59 1/3