

Marine Air-cooled Condensing Unit

Description

The air-cooled condensing unit is specially designed for offshore application etc., which consists of compressor, oil separator, air-cooled condenser, receiver, suction line accumulator and control panel (option). Three types of unit are available including direct drive, V-belt drive and semi-hermetic.

The unit is easily connected with air handling unit by refrigerant line and control wiring. The unit is delivered completed with all internal wiring, switchboards and piping, directly ready for use, and painted on requirements.

Features

- Refrigerant: R404A, R407C, R134A, R22 etc.
- Compressor: open or semi-hermetic type; piston or screw type optional.
- Capacity control: step or stepless.
- Condenser: crossed copper-fin and copper-tube type, with high efficiency and good corrosion protection.
- System valves: Danfoss (Denmark), reliable and durable.
- Control type: classical control or PLC.
- 50/60 Hz, 3 phase.



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Technical data

Unit type	Cooling capacity		Length mm	Width mm	Height mm	Weight Approx kg
	kw					
	50Hz	60Hz				
MCU-4P-15.2/K60A	35	46	2000	1027	2200	1000
MCU-4N-20.2/K70A	41	52	2000	1027	2200	1050
MCU-4J-22.2/K80A	46	58	3000	1027	2200	1200
MCU-4H-25.2/K90A	58	64	3000	1027	2200	1250
MCU-4G-30.2/K110A	64	75	3000	1027	2200	1400
MCU-6J-33.2/K120A	75	87	3300	1417	2200	1500
MCU-6H-35.2/K140A	87	104	3300	1417	2200	1600
MCU-6G-40.2/K160A	99	116	3300	1417	2200	1700
MCU-6F-50.2/K190A	116	139	3000	1947	2200	1800
MCU-4G-30.2/K110A(T)	128	151	3000	1947	2200	1900
MCU-6J-33.2/K120A(T)	151	174	3000	1947	2200	2000
MCU-6H-35.2/K140A(T)	174	209	4000	1947	2200	2500
MCU-6G-40.2/K160A(T)	197	232	4000	1947	2200	2600
MCU-6F-50.2/K190A(T)	232	278	6000	1947	2200	2900

- Normal design condition:
Cooling air 35°C, condensing temp. 50°C, evaporating temp. 5°C.
Refrigerant: R404A (R407C/R134A/R22/other refrigerant are available).
- Special design and manufacture are available on request.
- "T" used in type means twin compressors and condensers are used on the unit.