

Colux Air cooled chillers For CNG Gas Filling Station

Casing: Complete casing made of galvanized sheet. Self-supporting galvanized steel frame protected with polyester powdered painting. Panels are easy removable for maintenance and service activities.

Compressor: Hermetic "Scroll and screw type with overload protection. They are installed on vibration absorbing rubber and placed with a closed compartment to reduce sound level and to allow service and maintenance activities while unit is in operation condition.

Fan: Axial fans with aerodynamic outline blade section made of AL/Mg directly coupled to a three phase electric motor with external rotor. A safety fan guard is fitted on air flow discharge.

Refrigerant Circuit: Each unit is supplied with filter dryer sight glass thermostatic expansion valve service valve. To protect the refrigerant circuit the following devices are installed automatic resets high and low pressure switch antifreeze thermostat. Crankcase heater, safety thermostat on compressor discharge line. 4-way-valve solenoid valve. Liquid receiver.



Specification:

Model	Cooling Capacity	Voltage	Evaporator	Refrigerant	HP	Kcal/Hr	Fan motor	GPM
AWC 51	51800 BTU	380,400 50 Hz	Shell and tube	R- 22	5	13047	½ HP	10.3
AWC 84	84000 BTU	380,400 50 Hz	Shell and tube	R- 22	7	21256	½ HP	16.5
AWC 103	103600 BTU	380,400 50 Hz	Shell and tube	R- 22	10	26095	¾ HP	20.5
AWC 119	119000 BTU	380,400 50 Hz	Shell & Tube	R- 22	12	29972	2x3/4 Hp	23.5
AWC 168	168780 BTU	380,400 50 Hz	Shell & Tube	R- 22	8x2	42513	2x3/4 HP	28.5

Note: Nominal cooling capacity is based on fowling condition. Entering chilled water temperature 12.5 centigrade (55 F) and leaving water temperature 7.5 centigrade (45 F)

Heat Exchanger specification:

Model	Capacity in Ton	Material	Dimension
HX-51	4.31	Shell Corbin steel and Gas pipe ½ inch (ss-316) pipe length 350 feet.	Dia 18 inch Length 100 inch
HX-84	7	Shell Corbin steel and Gas pipe ½ inch (ss-316) pipe length 450 feet.	Dia 18 inch Length 110 inch
HX-103	8.63	Shell Corbin steel and Gas pipe ½ inch (ss-316) pipe length 575 feet.	Dia 18 inch Length 120 inch
HX-119	9.92	Shell Corbin steel and Gas pipe ½ inch (ss-316) pipe length 625 feet.	Dia 18 inch Length 130 inch



Specification are subject to change with out any notice in view of continues improvements in the products.

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