

The **climarine**® CM5-0090D1, 9kW 2 Piece Split Air Conditioning System, is designed and constructed for use in non-hazardous locations within the Oil and Gas, Marine and Petrochemical industries. All of our products are manufactured using an ISO 9001 accredited quality management system, high quality, industry leading components and cased in 316L stainless steel to provide our clients with a high quality, corrosion resistant, safe and reliable product with a long service life.



SYSTEM DESCRIPTION

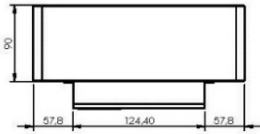
The **climarine**® CM5-0090D1, 9kW 2 Piece Split Air Conditioning System, is designed to be used in a non-hazardous and harsh environment and consists of two main parts; 1 off Wall Mounted Evaporator and Wall Mounted Thermostat complete with Start/Stop Station and 1 off marine Condensing Unit complete with Compressor and Control Panel. Controls are designed for ease of operation, without the need for complicated programming whilst still maintaining reliable and efficient automatic control of room temperature. This system is typically utilised for Accommodation Modules, ROV Control Room, Power Modules, Laboratory Modules, Control Rooms, Switch Rooms and Workshop Cabins.

9kW 2 PIECE SPLIT AIR CONDITIONING SYSTEM DATA

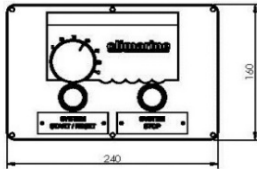
GENERAL DATA

No.	Description	Data
1	Model	CM5-0090D1
2	Suitable Environment	Offshore / Marine
3	Unit Classification	Non-Hazardous
4	External Unit Operating Limits	-20 to +50 (°C)
5	Internal Unit Operating Limits	-15 to +46 (°C)
6	Safety Features	Emergency Stop, Low and High Pressure Safety Switches,
7	Total Cooling Duty	9 (kW)
8	Sensible Cooling Duty	5.34 (kW)
9	Refrigerant Type	R417a
10	Cooling Duty Design Point	+40 (°C)
11	Minimum Cooling Temperature	+20 (°C)
12	Maximum Allowable Pressure	27.6 / 400 (barg/psig)
13	Condensing Unit Dry Weight	180 (kg)
14	Evaporator Unit Dry Weight	32 (kg)
15	Service Space/ Airflow Clearance	600 (mm)
16	Condensing Unit Airflow	0.69 (m ³ /s)
17	Evaporator Unit Airflow	0.43 (m ³ /s)
18	Casing Material	316L Stainless Steel
19	Casing Material Finish	Stainless Steel 240G
20	Condensing Unit Liquid / Suction Line Connection Size	3/4 / 3/8 (inch)
21	Evaporator Unit Suction / Liquid Line Connection Size	3/8 / 3/4 (inch)
22	Condensate Drain Connection Size	3/4 (inch)
23	Electrical Power Supply	220-240 / 1 / 50-60 (V/Ph/Hz)
24	Total Power Consumption	3.1 (kW)
25	Running Current	15.21 (A)
26	Control Voltage	220 / 230 / 240 (Vac)

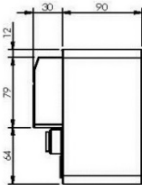
DIMENSIONS



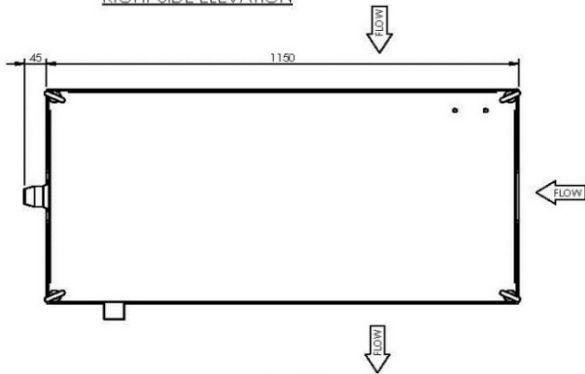
INTERNAL WALL MOUNTED START/STOP
STATION c/w THERMOSTAT
PLAN VIEW



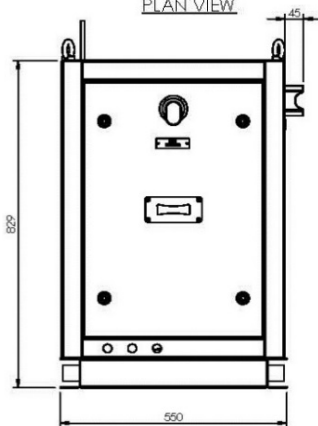
INTERNAL WALL MOUNTED START/STOP
STATION c/w THERMOSTAT
FRONT ELEVATION



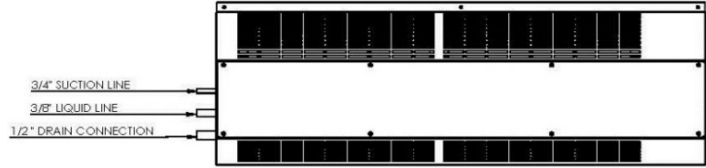
INTERNAL WALL MOUNTED START/STOP
STATION c/w THERMOSTAT
RIGHT SIDE ELEVATION



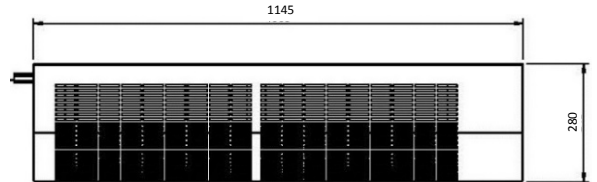
PLAN VIEW



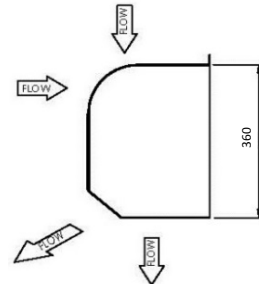
LEFT SIDE ELEVATION



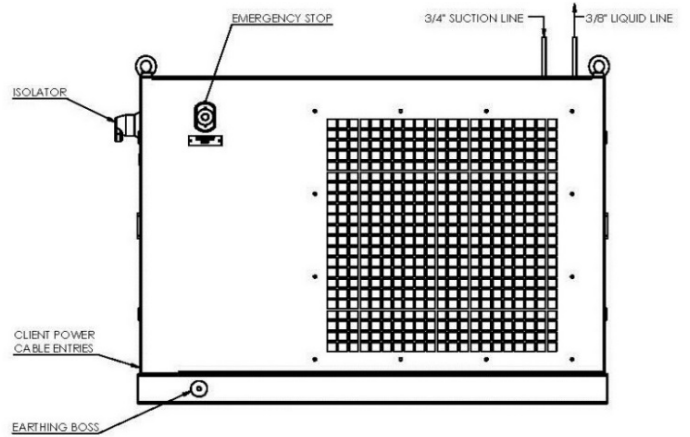
WALL MOUNTED EVAPORATOR UNIT
C/W STAINLESS STEEL CASING
FRONT ELEVATION



WALL MOUNTED EVAPORATOR UNIT
C/W STAINLESS STEEL CASING
PLAN VIEW



WALL MOUNTED EVAPORATOR UNIT
C/W STAINLESS STEEL CASING
RIGHT SIDE ELEVATION



FLOOR MOUNTED CONDENSING UNIT
FRONT ELEVATION