

The HAZCOOL® HZ6-0071G221, 7kW 3 Piece Split Air Conditioning System, is designed and constructed for the use in explosive atmospheres (Zone 1, Zone 2) within the onshore, offshore, marine and petrochemical industries. All 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. This ATEX compliant system is primarily designed to control the internal temperature of the modular/containerised buildings whereby the module interior is separately maintained as a non-hazardous area by means of over-pressurisation.



SYSTEM DESCRIPTION

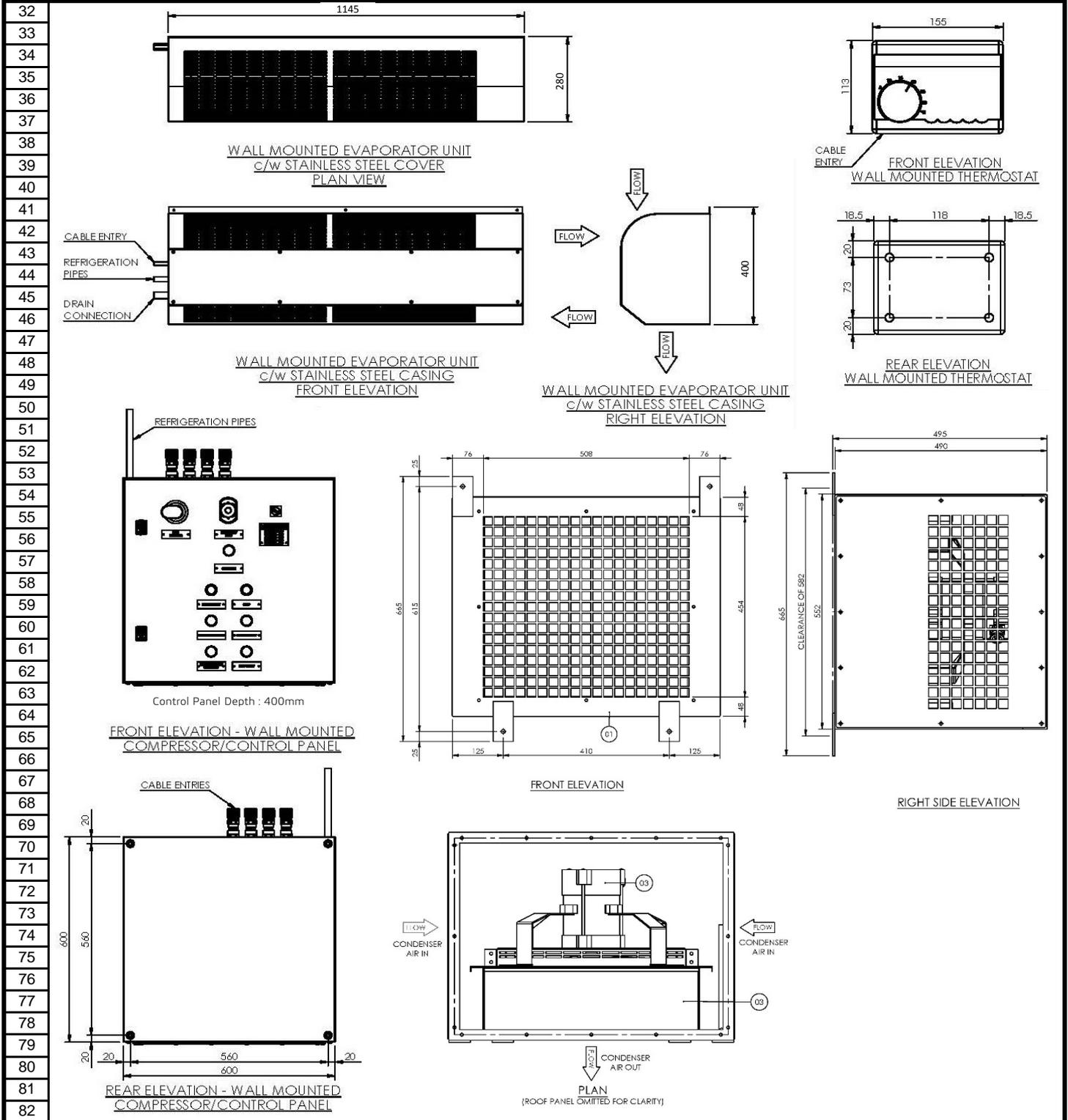
Safety, reliability, efficient and simple installation are some of the key design criteria for the HAZCOOL® HZ6-0071G221, 7kW 3 Piece Split Air Conditioning System. It is designed to be used in a hazardous environment and consist of three main parts; 1 off Wall Mounted Evaporator unit complete with thermostat, 1 off Wall/Floor Mounted Compressor/Control Panel Unit and 1 off ATEX compliant marine Condensing Unit. The configuration options offer versatility in various module layout designs, where the main parts of the system can be located to suit space requirements and availability of locations for positioning equipment. This split system is easy to install and maintain. The evaporator unit is designed to diffuse the cool air and features a washable air filter. 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 suitable for use with power supplies ranging from 380V to 420V at 50Hz or 440V to 480V at 60Hz with an integral voltage selector switch. The HZ6-0071G221 is typically suitable for Drilling Offices, Control Rooms, ROV Power/Control Cabins, Laboratory Modules, MWD/Mud Logging Units, Accommodation Modules and Workshops. Refer to page two for system options.

7kW 3 PIECE SPLIT AIR CONDITIONING SYSTEM DATA

GENERAL DATA

No.	Description	Data
1	Model	HZ6-0071G221
2	Suitable Environment	Zone 2
3	External Unit Classification	II 3G EEx d IIB T3
4	Internal Unit Classification	Non Hazardous / Offshore / Marine
5	External Unit Operating Limits	-20 to +60 (°C)
6	Internal Unit Operating Limits	-5 to +46 (°C)
7	Safety Features	Emergency Stop, Phase Sequence Monitor, LP and HP Safety Switches
8	Total Cooling Duty	7 (kW)
9	Sensible Cooling Duty	4.1 (kW)
10	Heating Duty	8 (kW)
11	Refrigerant	R417a
12	Design Temperature	+40 (°C)
13	Condensing Temperature	+55 (°C)
14	Evaporating Temperature	+5 (°C)
15	Maximum Allowable Pressure	27.6 / 400 (barg/psig)
16	Condensing Unit Dry Weight	66 (kg)
17	Evaporator Unit Dry Weight	32 (kg)
18	Compressor/Control Panel Unit Dry Weight	79 (kg)
19	Service Space/ Airflow Clearance	600 (mm)
20	Condensing Unit Airflow	0.65 (m ³ /s)
21	Evaporator Airflow	0.31 (m ³ /s)
22	Condensing and Evaporator Unit Casing Material / Finish	316L Stainless Steel / 240G
23	Compressor/Control Panel Unit Casing Material / Finish	Mild Steel / RAL 7035 Powder Coating
24	Condensing Unit Discharge / Liquid Line Connection Size	3/4 / 3/8 (inch)
25	Evaporator Unit Liquid / Suction Line Connection Size	3/8 / 3/4 (inch)
26	Compressor/Control Panel Unit Suction / Discharge Line Connection Size	3/4 / 3/4 (inch)
27	Condensate Drain Connection Size	1/2 (inch)
28	Electrical Power Supply	380-420 / 3 / 50 and 440-480 / 3 / 60 (V/Ph/Hz)
29	Total Power Consumption (@ 50Hz)	3.01 (kW)
30	Running Current (@ 50Hz)	6.2 (A)
31	Control Voltage	230 / 1 / 50/60 (V/Ph/Hz)

7kW 3 PIECE SPLIT AIR CONDITIONING SYSTEM DIMENSIONS



83	Notes: This unit has additional options:
84	i. Cooling only or Cooling and Heating. ii. Slim line Condensing Unit. iii. St/St Control Panel Enclosure.
85	iv. Ceiling Mounted Evaporator Unit. v. Zone 1 System.
86	Please contact us for further details and pricing.