

The HAZCOOL BASELINE<sup>®</sup> BHZ11-0250G11, 25kW Portable AC Unit, is designed and constructed for use in hazardous, explosive atmospheres (Zone 1, Zone 2) within the oil and gas, marine and petrochemical industries. Manufactured within an ISO9001 accredited quality management system to provide our clients with a quality, safe and reliable product, this ATEX compliant unit consists of ATEX and IECEx dual certified electrical components and is primarily designed to be a portable solution for temporary cooling requirements.

### System Description

Efficiency, reliability and safety are some of the key design criteria for the HAZCOOL BASELINE<sup>®</sup> BHZ11-0250G11 25kW Portable AC Unit. The unit supplies conditioned air to any space required via flexible ducting at an adjustable temperature. Multiple protection concepts are applied to ensure the chiller unit complies with all relevant ATEX directives. All the electrical components are dual certified (ATEX and IECEx). Controls are designed for ease of operation without the need for complicated programming, whilst still maintaining reliable and efficient automated control of temperature.



UNIT DATA		
GENERAL DATA		
No.	Description	Data
1	Model	BHZ11-0250G11
2	Explosive Atmosphere Compliance	ATEX
3	Electrical Component Certification	ATEX and IECEx
4	Suitable Environment	Zone 1
5	Unit Classification	II 2G IIB T4
6	Operating Limits	-20 to +60 (°C)
7	Ingress Protection Classification	IP 66
8	Noise Level (at 1m distance)	77 (dBa)
9	Safety Features	Compressor Motor Protection, Phase Sequence Monitor, HP and LP Safety Switch, Flow Switch
10	Total Cooling Duty	25 (kW)
11	Adjustable Temperature Range	+20 to +26 (°C)
12	Refrigerant	R134a
13	Cooling Duty Design Point	+43 (°C)
14	Unit Operating Weight	660 (kg)
15	Overall Dimensions (l x w x h)	1549 x 900 x 1996 (H) (mm)
16	Service Space/ Airflow Clearance	600 (mm)
17	Condenser Tube / Fin Material	Copper (Cu) / Copper (Cu) Blygold Coated
18	Casing Material	Zinc Coated Mild Steel (Zintec)
19	Casing Material Finish	RAL9010 (Pure White) Polyester Industrial Powder Coated
20	Air Flow Rate	0.4 (m <sup>3</sup> /s) @ 650 Pa
21	Supply Connection Size	300mm
22	Return Connection Size	300mm
23	Fan Type	Centrifugal
24	Electrical Power Supply	380-415 / 3 / 50 or 440-460 / 3 / 60 (V/Ph/Hz)
25	Total Power Consumption (50Hz / 60Hz)	14 (kW)
26	Running Current (50Hz / 60Hz)	28 (A)
27	Maximum Running Current (50Hz and 60Hz)	40 (A)
28	Control Voltage	220 / 230 / 240 (Vac)

**DIMENSIONS**

