CAMERON

HVAC System

Tailor-Made

Cameron's HVAC system is designed for continuous operation, with 100% redundancy in the supply fans.

The HVAC system consists of a supply fan skid with two redundant fans, a condenser unit for outdoor mounting in hazardous areas, internal fan coils and space for freeissued items.

The HVAC system is a forced ventilation system, which classifies the drilling control room (DCR) as safe-by-ventilation, according to IEC 60079-13.



Main Features

- Custom design to fit any DCR
- Fully-automated control and alarm system
- Prepared for interface with rig control system/fire and gas system

Safety Features

- Forced ventilation system (safe area by ventilation)
- Only one fan running at a time, keeping the other fan on standby
- Automatic switchover in case of failure
- Fire dampers on all penetrations of the DCR

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Technical Specifications	SI	Imperial (US)
Temperature ambient	-20 to 40° C	-4 to 104° F
Temperature internal	19 to 26° C	66 to 79° F
Minimum over-pressure	25 Pa	
Noise level, outdoor	<85 dB(A)	
Noise level, indoor	<55 dB(A)	

Scope of Supply	Options
Fan unit with dual fans, dampers, filter, weather louver	Redundant cooling/heating
Condenser units	
Fan coils for internal use	
Electrical heaters for internal use	
Fire and gas damper	
Mounting of fan coils and heaters inside the rooms	
Control elements, such as temperature transmitters, differential pressure transmitter, buttons and indicators, pre-installed and wired to junction boxes	
Control cabinet, PLC	
Documentation	

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