Extreme Environments Sealed Enclosure Cooling

X23
1890/2300 BTU/Hr
550/675 Watt

INDUSTRY STANDARDS

UL/cUL Listed; type 12, 4, 4X; File no. SA6453

CE
EAC
IP66/IP69/IP69K Internal Loop
IP34 external Loop
Telcordia GR-487 capable

APPLICATION

- Food and Beverage
- Energy
- Water and Wastewater
- Mining and metal manufacturing
- Oil and Gas
- And more

FEATURES

- Energy-efficient rotary compressor
- R134a and R513A refrigerant
- 115, 230 VAC power input
- UL Listed to save customers time and money with agency approvals
- Exterior mounting
- Reliable Smart controller on enclosure side of the unit
- 10-degree sloped top shroud, welded and ground
- Sloped internal surfaces reduce catchpoints for water, dust, bacteria build-up
- FDA-approved neoprene gasket

- No louvers on vertical surfaces allow washdown with minimal protections
- Minimal (2) fasteners on front of shroud allow easy removal even when mounted next to a wall
- Cutout Adapter options for enclosures with older nVent HOFFMAN or competitive units for easy transitions to new air conditioners
- Cleanable, reusable aluminum mesh filter included to protect coils for maximum cooling performance in dirty environments
- Mounting hardware, gaskets and user manual furnished with the unit
- Every unit functionally tested before shipping
- Standard Air conditioner models also include:
    - Active condensate management with heater strip
    - Power-off capability for door switch and other system requirements
    - Malfunction switch
    - Corrosion-resistant coating on condenser coil
    - Compressor heater
    - Head pressure control
    - Temperature range from $-40°F/-40°C$ to $131°F/55°C$
- Visit web address for more information regarding SpectraCool Remote Access control (RAC) nVent.com/en-us/HOFFMAN/remote-access-control

FINISH

- Stainless steel type 304 #4 brushed

ACCESSORIES

- Optional Remote Access Control – field installable
- Optional ACP (Advanced Corrosion Protection), Level 2 available
- Optional 350 watt heater

PERFORMANCE DATA X23 MODELS 2000 BTU/HR (586 WATT)

Catalog Number

Indoor/Outdoor Model, Smart Controller	X230216G170	X230226G170
Indoor/Outdoor Model, Smart Controller, Heat Pkg	X230216G160	X230226G160
Indoor/Outdoor Model, Smart Controller, ACP L2	X230216G370	X230226G370
Indoor/Outdoor Model, Smart Controller, Heat Pkg, ACP L2	X230216G360	X230226G360

Cooling Performance

Nominal:		
BTU/Hr (50/60 Hz)	2100/2300	1760/1890
Watts (50/60 Hz)	615/675	515/550
At 131°F/131°F (55°C/55°C):		
BTU/Hr (50/60 Hz)	2100/2300	1760/1890
W (50/60 Hz)	615/675	515/550
At 95°F/95°F (35°C/35°C):		
BTU/Hr (50/60 Hz)	1900/2100	1800/1900
W (50/60 Hz)	555/615	530/555
Refrigerant	R134a or R513A	R134a or R513A
Refrigerant Charge (ounces/grams)	8.0/227	6.5/184
Operating Temperature Range:		
Maximum (°F/°C)	131/55	131/55
Minimum (°F/°C)	−40/−40	−40/−40
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM/m³/hr)	65/110	65/110
External loop 50 Hz (CFM/m³/hr)	139/236	139/236
Internal loop 60 Hz (CFM/m³/hr)	78/133	78/133
External loop 60 Hz (CFM/m³/hr)	160/272	160/272
Max. Heater W (Outdoor Models)	350	350

Electrical Data

Rated Voltage	100/115	220/230
Frequency (Hz)	50/60	50/60
Operating Range	+/−10%	+/−10%
Max. Power Consumption (Watts at 50/60 Hz)	700	660
Max. Nominal Cooling Current (Amps at 50/60 Hz)	6.8/6.3	2.8/2.9
Max. Nominal Heating Current (Amps at 50/60 Hz)	3.3/3.5	1.7/1.8
Starting Current (Amps)	15.2	5.8
Agency Approvals	UL/cUL Listed CE, UKCA, EAC	
Power Input Description	Terminal block	Terminal block

Enclosure Protection

UL Type	Type 12, 3R, 4X
IEC Type Rating	IP66/IP69/IP69K

Controller

Description	Smart Controller
Thermostat Location	Enclosure Side
Factory Thermostat Setting (°F/°C)	80/27

Sound Level

At 1.5 Meters	66 dB(A)

Unit Construction

Material	Stainless Steel 304
Finish	#4 Brushed

Unit Dimensions

Height (in/mm)	23.0/584
Width (in/mm)	10.2/259
Depth (in/mm)	14.7/373

X230226GXXX Capacity Curves at 50 Hz

Ambient Air In (°C)

Enclosure Air Temperature

55C
131F

45C
113F

35C
95F

25C
77F

Cooling Capacity (BTU/Hr.)

Cooling Capacity (W)

Ambient Air In (°F)

X230226GXXX Capacity Curves at 60 Hz

Ambient Air In (°C)

Enclosure Air Temperature

55C
131F

45C
113F

35C
95F

25C
77F

Cooling Capacity (BTU/Hr)

Cooling Capacity (W)

Ambient Air In (°F)

X230216GXXX Capacity Curves at 50 Hz

Ambient Air In (°C)

Enclosure Air Temperature

55C 131F
45C 113F
35C 95F
25C 77F

Cooling Capacity (BTU/Hr.)

Cooling Capacity (W)

Ambient Air In (°F)

X230216GXXX Capacity Curves at 60 Hz

Ambient Air In (°C)

Enclosure Air Temperature

55C 131F
45C 113F
35C 95F
25C 77F

Cooling Capacity (BTU/Hr)

Cooling Capacity (W)

Ambient Air In (°F)

1.28
[32]

3.78
[96]

10.23
[260]

22.29
[566]

CLEANABLE, REUSABLE
ALUMINUM INLET FILTER

13.64
[346]

TERMINAL BLOCK (POWER
CONNECTIONS BEHIND
REMOVABLE COVER)

1/4-20 MOUNTING HOLES (12X)

9.15
[232]

.54
[14]

.57
[15]

ENCLOSURE
AIR IN

ENCLOSURE
AIR OUT

AMBIENT
AIR IN

AMBIENT AIR OUT

21.25
[540]

5.06
[129]

4.49
[114]

POWER IN

89216787

10.00
[254]

9.58 (2X)
[243]

5.00
[127]
(2X)

.48 (2X)
[12]

.43 (2X)
[11]

5.48 (2X)
[139]

8.40
[213]

⌀ .31
[8]
(12X)

11.11
[282]
(2X)

16.73
[425]
(2X)

20.32
[516]

22.22
[564]

21.73
[552]
(2X)

CUTOUT DIMENSIONS