

SUBMITTAL DATA



Infrasave 2000R Series Air Curtain Ceiling Recessed Mount Models



Conforms to:
CAN CSA-C22.2 no.46-13
& UL 2021(Ed.3): 2013

For indoor use: openings up to 9ft-10in [3m] height

PROJECT:			
ENGINEER:			
CONTRACTOR:			
DISTRIBUTOR:			
Infrasave Model #:			
Ambient Air - No Heat	2047R	2063R	2083R
Electric Heat	2047EHR	2063EHR	2083EHR
Hot Water Heat	2047WHR	2063WHR	2083WHR
APPROVED BY:			
DATE:			
APPROVAL #:			

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Notice:

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Infrasave 2000R Series Features / Components Summary:

The Infrasave 2000R Series air curtain is intended for indoor horizontal mounting above building doorways at a mounting height from 7 feet up to 9 feet-10 inches [3 m].

The 2000R Series air curtain is designed to provide quiet operation and energy savings by effectively separating indoor and outdoor environments, restricting entry of unconditioned air, dust, fumes, and insects. The 2000R Series air curtain can also be used at interior openings /doorways to isolate coolers and clean room environments .

- Available unit widths: 47, 63, or 83 inches [1209, 1609, or 2120 mm]
 - Detailed specifications by unit length ... next page
- Multiple units can be ganged together for wider openings
- Galvanized sheet steel construction; Grille has durable white finish (RAL 9010)
- Suspend from structure ceiling / trusses; Grille flush mounts to a suspended ceiling
- Wired Remote Control included, with 20 ft [6 m] RJ control cable
- LED indicator status lights on wired-remote control for settings / performance
- Thermal protection cut-outs; reset from wired-remote control
- Control up to 8 air curtain units with one wired-remote control
- 3-Speed fan motor control
- High efficiency electric elements for instant heat
- 9 electric heat output levels: Automatic or manually selectable
- Hot Water Heat version supplied with a motorized three port valve
- Optional fan motor voltages: 208 - 240 Vac / single phase / 60 hZ
- Optional electric heater voltages: 460 / 600 Vac / 3 phase / 60 hZ
- Optional Accessories, Functions, Features:
 - Door switch: control fan speed and heat output
 - Outdoor thermostat: add basic weather compensation
 - Modbus module & software: control plug-in for BMS control and monitoring
 - 7 Day timer and programming
 - EEPROM module: modulating heat and air flow

Tested and Certified by Labtest to:

- CAN/CSA C22.2 no. 46-13
- UL 2021(Ed.3): 2013



Project Quantity(s) & Electrical Specifications:

Project Qty	Air Curtain Model	Electrical Supply (V/ph/Hz)	Rated Electrical Power Input (kW)	Rated Current per phase (amps)	Heat Output [Low/High] (kW)	Unit Weight lb [kg]
	2047R	208...240/1/60	0.12	0.5	–	42 [19]
	2063R	208...240/1/60	0.16	0.7	–	55 [25]
	2083R	208...240/1/60	0.23	1.0	–	77 [35]
	2047WHR	208...240/1/60	0.12	0.5	3.0 / 6.0	49 [22]
	2063WHR	208...240/1/60	0.16	0.7	4.5 / 9.0	66 [30]
	2083WHR	208...240/1/60	0.23	1.0	6.0 / 12.0	90 [41]
	2047EHR (208V)	208/3/60	8.8	24.5	4.3 / 8.6	44 [20]
	2063EHR (208V)	208/3/60	11.7	32.7	5.8 / 11.5	60 [27]
	2083EHR (208V)	208/3/60	17.5	49.0 **	8.6 / 17.3	82 [37]
	2047EHR (480V)	480/3/60 * + 208...240/1/60	9 0.12	10.9 0.5	4.5 / 9.0	44 [20]
	2063EHR (480V)	480/3/60 * + 208...240/1/60	12 0.16	14.5 0.7	6.0 / 12.0	60 [27]
	2083EHR (480V)	480/3/60 * + 208...240/1/60	18 0.23	21.7 1.0	9.0 / 18.0	82 [37]
	2047EHR (600V)	600/3/60 * + 208...240/1/60	9 0.12	9.3 0.5	4.5 / 9.0	44 [20]
	2063EHR (600V)	600/3/60 * + 208...240/1/60	12 0.16	12.8 0.7	6.0 / 12.0	60 [27]
	2083EHR (600V)	600/3/60 * + 208...240/1/60	18 0.23	18.6 1.0	9.0 / 18.0	82 [37]

NOTES: * Separate electrical supply for heaters [480 / 600V] and fan motors [208 / 240V]

** Electric heater circuit current = 47.9 Amps

Optional Accessories - Project Quantity(s):

Project Qty	Accessory	Description / Feature
	Door switch	Regulate fan speed and heat output
	Outdoor thermostat (field supplied)	Basic weather compensation
	Modbus module & software	BMS control & monitoring
	EEPROM module	Modulating heat and air flow

2000R Series Performance Specifications:

Fan Speed	Max. Air Velocity at Outlet Grille ft/min [m/s]		Maximum Mounting Height ft [m]		Sound Pressure Level dB(A) at 10ft [3m]			Air Volume Flow Rate cfm [m³/h]	
	208V	240V	208V	240V	Model	208V	240V	208V	240V
HIGH	1475 [7.5]	1575 [8.0]	8ft-6in [2.6]	9ft-10in [3.0]	2047R	54	55	660 [1125]	740 [1250]
					2063R	54	55	955 [1620]	1060 [1800]
					2083R	55	56	1325 [2250]	1470 [2500]
MED.	-	-	-	-	2047R	50	53	655 [1115]	670 [1140]
					2063R	50	53	940 [1600]	965 [1640]
					2083R	51	54	1310 [2225]	1340 [2275]
LOW	-	-	-	-	2047R	45	50	575 [975]	605 [1025]
					2063R	45	49	825 [1405]	870 [1475]
					2083R	46	50	1150 [1950]	1205 [2050]

2000R Series Recessed Mount Air Curtain Dimensions

