

SUBMITTAL DATA



2500R 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 11 ft-6 in [3.5m] height

PROJECT:			
ENGINEER:			
CONTRACTOR:			
DISTRIBUTOR:			
SchwankAir MODEL #:			
Ambient Air - No Heat	2547R	2567R	2588R
Electric Heat	2547EHR	2567EHR	2588EHR
Hot Water Heat	2547WHR	2567WHR	2588WHR
APPROVED BY:			
DATE:			
APPROVAL #:			

Schwank
2 Schwank Way
Waynesboro, Georgia,
USA, 30830

5285 Bradco Boulevard,
Mississauga, Ontario,
L4W 2A6

Customer and Technical Services

Phone: 1-877-446-3727

Fax : 1-866-361-0523

e-mail: csr@schwankgroup.com

www.schwankgroup.com

Notice:

Schwank reserves the right to make changes to equipment and specifications due to revision in standards or to provide product improvement without obligation of notification.

This publication is intended to convey product specifications and information to engineering or other consultants to a particular project. For other reasons, this publication, or parts thereof, may not be reproduced in any form without prior written consent from Schwank. Unauthorized use or distribution of this publication is strictly prohibited.

SchwankAir 2500R Series Features / Components Summary:

The SchwankAir 2500R Series air curtain is intended for indoor horizontal mounting above building doorways at a mounting height from 7 feet up to 11feet-6 inches [3.5 m].

The 2500R 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 2500R Series air curtain can also be used at interior openings / doorways to isolate coolers and clean room environments .

- Available unit widths: 47, 67, or 88 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 mount 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]
	2547R	208...240/1/60	0.35	1.4	–	99 [45]
	2567R	208...240/1/60	0.50	2.0	–	146 [66]
	2588R	208...240/1/60	0.70	2.8	–	176 [80]
	2547WHR	208...240/1/60	0.35	1.4	6.0 / 12.0	115 [52]
	2567WHR	208...240/1/60	0.50	2.0	9.0 / 18.0	165 [75]
	2588WHR	208...240/1/60	0.70	2.8	12.0 / 24.0	205 [93]
	2547EHR (208V)	208/3/60	10.55	29.7	5.1 / 10.2	101 [46]
	2567EHR (208V)	208/3/60	15.80	44.5	10.2 / 15.3	148 [67]
	2588EHR (208V)	208/3/60	21.10	59.4	10.2 / 20.4	185 [84]
	2547EHR (480V)	480/3/60 * + 208...240/1/60	12 0.35	14.5 1.4	6.0 / 12.0	101 [46]
	2567EHR (480V)	480/3/60 * + 208...240/1/60	18 0.50	21.7 2.0	12.0 / 18.0	148 [67]
	2588EHR (480V)	480/3/60 * + 208...240/1/60	24 0.70	28.9 2.8	12.0 / 24.0	185 [84]
	2547EHR (600V)	600/3/60 * + 208...240/1/60	12 0.35	11.6 1.4	6.0 / 12.0	101 [46]
	2567EHR (600V)	600/3/60 * + 208...240/1/60	18 0.50	17.3 2.0	12.0 / 18.0	148 [67]
	2588EHR (600V)	600/3/60 * + 208...240/1/60	24 0.70	23.1 2.8	12.0 / 24.0	185 [84]

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

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

2500R 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 [m ³ /h]	
	208V	240V	208V	240V	Model	208V	240V	208V	240V
HIGH	1700 [8.7]	1850 [9.4]	10ft-10in [3.3]	11ft -6in [3.0]	2547R	57	58	810 [1375]	885 [1500]
					2567R	58	60	1165 [1980]	1270 [2160]
					2588R	58	60	1460 [2480]	1565 [2660]
MED.	-	-	9ft-6in [2.9]	10ft-2in [3.1]	2547R	50	56	700 [1190]	795 [1350]
					2567R	50	58	1070 [1820]	1170 [1990]
					2588R	51	58	1275 [2165]	1425 [2420]
LOW	-	-	7ft-3in [2.2]	7ft-10in [2.4]	2547R	45	53	590 [1000]	685 [1160]
					2567R	45	56	960 [1630]	1080 [1830]
					2588R	46	56	1070 [1820]	1250 [2120]

2500R Series Recessed Mount Air Curtain Dimensions

