

# EC40

## INDUSTRIAL AND COMMERCIAL AIR CURTAIN



Horizontal mounting



Vertical mounting



## STYLISH AIR CURTAIN

Stylish air curtain for commercial and industrial premises, with EC motor and intelligent control. The EC40 has a modern and stylish design developed to fit all entrances. The air curtain is available for horizontal, vertical and recessed installation.

- **ENERGY-SAVING THERMAL BARRIER**
- **SLEEK, CLEAN DESIGN**
- **CAN/CSA AND UL CERTIFIED**
- **HIGH-EFFICIENCY EC MOTOR**
- **AMCA LAB-TESTED (SOUND & PERFORMANCE)**

### COLOURS

- **standard** : stainless steel housing, white (RAL 9016, NCS S 0500-N).
- grille, rear face and ends grey: (RAL 7046)
- other colors available on special order (not part of the Orora program)

### MODEL

- electric heat
- no heat

### MANUFACTURING

- quick access to internal components via the maintenance hatch.
- high-limit temperature control with automatic reset.
- integrated transformer for motor and control circuit (480V and 600V models)

### VOLTAGE

- 208V, 480V, 600V, 60 Hz

### MOTOR

- very low operating costs can be achieved thanks to the combination of EC motors and Frico's unique fan geometry

### FAN

- squirrel-cage fans

### ELEMENT

- element provides instant heat (electric heat model)

### CONTROL

- SIRe control system included.
- door switch included
- compatible with a Building Management System
- personalize programming of the air curtain

### INSTALLATION

- maximum height installation (horizontal mounted):
  - surface mounted: 13.1 ft. (4 m) above floor
  - recessed: 13.1 ft. (4 m) above floor
- maximum width installation (vertical mounted):
  - 16 to 20 ft. (5 to 6 m) 2 units, 1 on each side
- for vertical mounting, the air curtain must be used with the joining and vertical mounting kit PA4JK (not included)
- design kit can be used for unobtrusive installations using concealed brackets, tubes and cables (not included)

*Note: The recommended installation height may vary according to the installation conditions. Air curtains must be placed as near to the entrance as possible and cover the entire width.*

### CERTIFICATION

- AMCA 210, 220 and 300 certified for performance and sound level, and meets the following Energy Standard for Buildings Code: ANSI/ASHRAE/IES standard 90.1

### WARRANTY

- 5-year warranty against defects

#### IDEAL FOR:

garage door, vestibule, commercial building, lobby, service door, hospital, store entrance

# TECHNICAL SPECIFICATIONS

PRODUCT	VOLTAGE	kW	AMP.	cfm	MAX VELOCITY	dBA**	EFFECTIVE AIR WIDTH		WEIGHT	
							IN.	MM	LB	KG
CODE	VOLTS (1PH)	Lo/Hi	-	-	(FT/MIN)*	-				
<b>SURFACE-MOUNTED</b>										
<b>ELECTRIC HEAT</b>										
PAEC4010E12-600VNA	600 (3)	4/12	15	1400	2560	80	38	960	104	47
PAEC4015E18-600VNA	600 (3)	6/18	23	1950	2560	81	58	1470	137	62
PAEC4020E24-600VNA	600 (3)	8/24	30	2800	2560	82	77	1960	185	84
PAEC4025E30-600VNA	600 (3)	10/30	38	3300	2560	83	97	2470	234	106
PAEC4010E12-480VNA	480 (3)	4/12	18	1400	2560	80	38	960	104	47
PAEC4015E18-480VNA	480 (3)	6/18	27	1950	2560	81	58	1470	137	62
PAEC4020E24-480VNA	480 (3)	8/24	35	2800	2560	82	77	1960	185	84
PAEC4025E30-480VNA	480 (3)	10/30	45	3300	2560	83	97	2470	234	106
PAEC4010E10-208VNA	208 (3)	4/10	31	1400	2560	80	38	960	93	42
PAEC4015E15-208VNA	208 (3)	5/15	45	1950	2560	81	58	1470	126	57
PAEC4020E20-208VNA	208 (3)	7/20	60	2800	2560	82	77	1960	172	78
<b>NO HEAT</b>										
PAEC4010A-NA	208 (1)	-	3.0	1400	2560	80	38	960	84	38
PAEC4015A-NA	208 (1)	-	4.5	1950	2560	81	58	1470	108	49
PAEC4020A-NA	208 (1)	-	6.0	2800	2560	82	77	1960	141	64
PAEC4025A-NA	208 (1)	-	7.5	3300	2560	83	97	2470	172	78
<b>RECESSED</b>										
<b>ELECTRIC HEAT</b>										
AREC4010E12-600VNA	600 (3)	4/12	15	1530	2220	76	38	960	125	56.5
AREC4015E18-600VNA	600 (3)	6/18	22	2150	2220	76	59	1485	171	77.5
AREC4020E24-600VNA	600 (3)	8/24	30	3050	2220	78	78	1975	224	101.5
AREC4025E30-600VNA	600 (3)	10/30	36	3650	2220	80	98	2508	287	121.0
AREC4010E12-480VNA	480 (3)	4/12	19	1530	2220	76	38	960	125	56.5
AREC4015E18-480VNA	480 (3)	6/18	26	2150	2220	76	59	1485	171	77.5
AREC4020E24-480VNA	480 (3)	8/24	35	3050	2220	78	78	1975	224	101.5
AREC4025E30-480VNA	480 (3)	10/30	43	3650	2220	80	98	2508	287	121.0
AREC4010E10-208VNA	208 (3)	4/10	31	1530	2220	76	38	960	117	53.0
AREC4015E15-208VNA	208 (3)	5/15	44	2150	2220	76	59	1485	163	74.0
AREC4020E20-208VNA	208 (3)	7/20	60	3050	2220	78	78	1975	212	96.0
<b>NO HEAT</b>										
AREC4010A-NA	208 (1)	-	3.1	1530	2220	76	38	960	99	52
AREC4015A-NA	208 (1)	-	3.9	2150	2220	76	59	1485	139	71
AREC4020A-NA	208 (1)	-	6.2	3050	2220	78	78	1975	181	94
AREC4025A-NA	208 (1)	-	7.0	3650	2220	80	98	2508	234	121

To order any custom colors from the R.A.L. chart, add "SP" at the end of the Product # and specify RAL color # on the order. When ordering a different color, inquire about delivery times and prices. Contact our customer service department for lead times.

\*Measurements according to AMCA 220-05. Average values for products in the series. Measurement taken at 0.3 ft. (0.1 m).

\*\*Values shown are for total sound power levels for Installation Type A: free inlet, free outlet. The Sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA Standard 301.

# ACCESSORIES

PRODUCT	DESCRIPTION	QUANTITY INCLUDED	LENGTH	
			IN.	MM
<b>OPTIONS FOR HORIZONTAL MOUNTING</b>				
PA34WB15	Wall mounting brackets for 1 and 1.5 m (3.3 and 4.9 ft.) units	2	16	400
PA34WB20	Wall mounting brackets for 2 m (6.6 ft.) units	3	16	400
PA34WB30	Wall mounting brackets for 2.5 m (8.2 ft.) units	4	16	400
PA34VD15	Vibration dampers for 1 and 1.5 m (3.3 and 4.9 ft.) units	4	-	-
PA34VD20	Vibration dampers for 2 m (6.6 ft.) units	6	-	-
PA34VD30	Vibration dampers for 2.5 m (8.2 ft.) units	8	-	-
PA4JK	Joining and vertical mounting kit PAEC4000	1	-	-
PA4DW10	Design kit for wall and vertical mounting PAEC4010x	1	3 27/64 x 16 11/16 x 39 39/64	87 x 424 x 1006
PA4DW15	Design kit for wall and vertical mounting PAEC4015x	1	3 27/64 x 16 11/16 x 59 11/16	87 x 424 x 1516
PA4DW20	Design kit for wall and vertical mounting PAEC4020x	1	3 27/64 x 16 11/16 x 78 31/32	87 x 424 x 2006
PA4DW25	Design kit for wall and vertical mounting PAEC4025x	1	3 27/64 x 16 11/16 x 99 1/16	87 x 424 x 2516
PA4DCS	Design kit for ceiling mounting, small	1	8 - 12	200 - 300
PA4DCM	Design kit for ceiling mounting, medium	1	12 - 20	300 - 500
PA4DCL	Design kit for ceiling mounting, large	1	20 - 36	500 - 900
PA4DXT	Design kit for ceiling mounting, extension	1	16 17/32	420
<b>OPTIONS FOR VERTICAL MOUNTING</b>				
PA4JK	Joining and vertical mounting kit PAEC4000	1	-	-
PA4DW10	Design kit for wall and vertical mounting PAEC4010x	1	-	-
PA4DW15	Design kit for wall and vertical mounting PAEC4015x	1	-	-
PA4DW20	Design kit for wall and vertical mounting PAEC4020x	1	-	-
PA4DW25	Design kit for wall and vertical mounting PAEC4025x	1	-	-
AXP300	Collision protection	1	-	-



PA34WB



PA34VD



PA4JK



PA4DW



PA4DC



AXP300

## TECHNICAL DRAWINGS

