

VENTILATION SOLUTIONS



dacor[®]
The Life of the Kitchen.[®]

RANGES · WALL OVENS · COOKTOPS · VENTILATION · MICROWAVES · COFFEE SYSTEM · OUTDOOR GRILLS

VENTILATION FACTS

POLLUTANTS TO REMOVE FROM THE KITCHEN

Heat, Odors, Grease,
Gases, Steam & Smoke

FACTORS THAT NEGATIVELY INFLUENCE VENTILATION

Open Windows & Doors, Air Conditioning Vents,
Ceiling Fans, Island Cooking

GENERAL RULE OF THUMB

100 CFM for every 10,000 BTU
*(*Increase if duct run is long or complicated)*

TWO TYPES OF VENTILATION

POWER SOURCES

FACTORS TO CONSIDER

OVERHEAD

1

Hoods
Powerpacks
Over-the-Range
Microwaves (OTR)

Internal Blowers
External Blowers:
REMP3, REMP16
ILB8, ILB10
Multiple Blower Combinations

Width & Depth of Cooking Product
Capture Area: Width, Height & Depth
Mounting Height *(see chart)*
Blower Size
Duct Diameter:
Use Manufacturer's Recommendation
Duct Length *(see chart)*

DOWNDRAFT

2

RV
ERV
PRV

Internal Blowers:
CABP3 (RV only)
External Blowers:
REMP3, REMP16
Multiple Blower Combinations

Width & Depth of Cooking Product
Blower Size
Duct Diameter:
Use Manufacturer's Recommendation
Duct Length *(see chart)*

VENTILATION FACTS

RECOMMENDED MOUNTING HEIGHTS

Hoods: Bottom of hood should be 30"–36" from the finished counter.

PowerPacks (with SS Liner): Bottom of liner should be 36" from the finished counter.

OTR (above electric cooking): Top of microwave should be 34" above the finished counter.

OTR (above gas cooking): Top of microwave should be 36" above the finished counter.
(36" mandatory above ERD30 & EGR30)

**In hoods or Powerpacks, if you must install the hood higher than the recommended height, it is very important that you increase the size (width) of the hood and the power (CFM) to provide the best possible ventilation.*

RECOMMENDED DUCT LENGTHS

Elbows & Transitions count extra—you must add to straight run to get the total duct run. Below are straight run equivalents for the most common:

90° 8" Round = 7'

45° 8" Round = 3'

90° Rectangle = 15'

90° 10" Round = 5'

45° 10" Round = 2'

90° Flat Rectangle Elbow = 20'

Straight Transition, 8" or 10" Rd to 3 1/4" x 10" Rectangle = 4'

Elbow Transition, 8" or 10" Rd to 3 1/4" x 10" Rectangle = 25'

8" Round: 60' max w/ single blower

10" Round: 50' max w/ single blower

3 1/4" x 10" Rectangle: 50' max w/ single blower

DO'S & DONT'S

Keep duct run as short as possible.

Whenever possible, use round duct instead of rectangle.

Do not use back to back elbows—24" minimum between elbows.

Do not use flex duct.

Do not use duct smaller than the recommended size—and never reduce!

Seal ductwork with duct tape and use screws to support weight.

Match roof or wall cap with duct size.

In Pro, Island cooking, we recommend you oversize the hood a minimum of 6"

Support and insulate duct to reduce all noise and vibration.

PRO-STYLE HOODS

18" PRO-STYLE HOODS

18" HIGH, 26⁷/₈" DEEP



WIDTHS

30", 36", 42", 48" & 54"

FINISHES

Stainless Steel available with (4) different trim finishes—
Chrome, Black, Brass or Copper

INTERNAL POWERED—EHD MODELS

600 CFM - EHD3018 or EHD3618

1200 CFM - EHD4218, EHD4818 or EHD5418

EXTERNAL POWERED—EHDR MODELS (REMOTE BLOWER)

EHDR3018 or EHDR3618—use REMP3; ILB8

EHDR4218, EHDR4818 or EHDR5418—use REMP16; ILB10

VENTING

Vents out the top (vertically) or back (horizontally)

30" & 36" hoods—8" round (vertically) or 3¹/₄" x 10" (horizontally)

42", 48" & 54" hoods—10" round (vertically) or 3¹/₄" x 10" (horizontally)

CONTROLS

Hood switch will control up to two blowers

Additional blowers may require use of ARSC remote switch

DUCT COVERS

Available in all standard widths—6", 12" or 18" heights

9" PRO-STYLE HOODS

9" HIGH, 24" DEEP



WIDTHS

30", 36", 42" & 48"

FINISHES

Stainless Steel available with (4) different trim finishes—
Chrome, Black, Brass or Copper

INTERNAL POWERED—EHD MODELS

600 CFM - EHD3009 or EHD3609

1200 CFM - EHD4209 or EHD4809

EXTERNAL POWERED—EHDR MODELS (REMOTE BLOWERS ONLY)

EHDR3009 or EHDR3609 - Use REMP3; ILB8

EHDR4209 or EHDR4809 - Use REMP16; ILB10

VENTING

Vents out the top (vertically) only

30" & 36" hoods—8" round

42" & 48" hoods—use ATD10 transition for 10" round

CONTROLS

Hood switch will control up to two blowers

Additional blowers may require use of ARSC remote switch

DUCT COVERS

Available in all standard widths—6", 12" or 18" heights

MILLENNIA HOODS

18" MILLENNIA HOODS 18" HIGH, 25 1/2" DEEP



WIDTHS

30", 36" & 48"

FINISHES

Stainless Steel

INTERNAL POWERED—MHD MODELS

600 CFM - MHD3018 or MHD3618

1200 CFM - MHD4818

VENTING

Vents out the top (vertically) or back (horizontally)

30" & 36" hoods—8" round (vertically) or 3 1/4" x 10" (horizontally)

48" hoods—10" round (vertically) or 3 1/4" x 10" (horizontally)

CONTROLS

Hood switch will control up to two blowers

Additional blowers may require use of ARSC remote switch

DUCT COVERS

Available in all standard widths—6", 12" or 18" heights

9" MILLENNIA HOODS 9" HIGH, 22 1/2" DEEP



WIDTHS

30", 36" & 48"

FINISHES

Stainless Steel

INTERNAL POWERED—MHD MODELS

600 CFM - MHD3009 or MHD3609

1200 CFM - MHD4809

VENTING

Vents out the top (vertically) only

30" & 36" hoods—8" round duct

48" hoods - use ATD10 transition for 10" round duct

CONTROLS

Hood switch will control up to two blowers

Additional blowers may require use of ARSC remote switch

DUCT COVERS

Available in all standard widths - 6", 12" or 18" heights

POWERPACKS

IVS1 OR IVSR1



DIMENSIONS

22⁵/₈" wide, 12¹/₄" deep, 6" high

INTERNAL POWERED—IVS1

600 CFM

EXTERNAL POWERED—IVSR1 (REMOTE BLOWER)

Use REMP3—1000 CFM

Use ILB8—600 CFM

VENTING

Vents out the top (vertically)—8" round

CONTROLS

Hood switch will control up to two blowers

Additional blowers will require use of ARSC switch

OPTIONAL STAINLESS STEEL LINERS

IHL30 for 30" Decorative Hoods

IHL36 for 36" Decorative Hoods

IVS2 OR IVSR2



DIMENSIONS

34¹/₂" wide, 12¹/₄" deep, 6" high

INTERNAL POWERED—IVS2

1200 CFM

EXTERNAL POWERED—IVSR2 (REMOTE BLOWER)

Use REMP16—1600 CFM

Use ILB10—1100 CFM

VENTING

Vents out the top (vertically)—(2) 8" round ducts

Use Dacor ATD10 transition for (1) 10" round

CONTROLS

Hood switch will control up to two blowers

Additional blowers may require use of ARSC remote switch

OPTIONAL STAINLESS STEEL LINERS

IHL42 for 42" Decorative Hoods

IHL48 for 48" Decorative Hoods

IHL54 for 54" Decorative Hoods

OVER THE RANGE MICROWAVES

PMOR3021



FINISHES

Stainless Steel, Black or White

INTERNAL POWERED

300 CFM

EXTERNAL POWERED (OPTIONAL REMOTE BLOWER) INSTALLER

600 CFM

Use ILB8 (600 CFM) and ARSC remote switch

Remove OTR fan blower

Recommended if using above ERD30 or EGR30 Pro Range

VENTING

Vents out the top (vertically) or the back (horizontally)

3 1/4" x 10" rectangle duct

SPECIAL NOTES

Factory set for NON-VENTED MODE (Recirculating before installation)

Must turn motor 1/4 turn to change to VENTED

Only "UL" approved Over the Range Microwave/Hood to go over 30" wide gas or electric products.

Must use deflector shield (supplied) and proper mounting height

PCOR30 CONVECTION MODEL



FINISHES

Stainless Steel, Black or White

INTERNAL POWERED

300 CFM

EXTERNAL POWERED (OPTIONAL REMOTE BLOWER) INSTALLER

600 CFM

Use ILB8 (600 CFM) and ARSC remote switch

Remove OTR fan blower

Recommended if using above ERD30 or EGR30 Pro Range

VENTING

Vents out the top (vertically) or the back (horizontally)

3 1/4" x 10" rectangle duct

SPECIAL NOTES

Factory set for NON-VENTED MODE (Recirculating before installation)

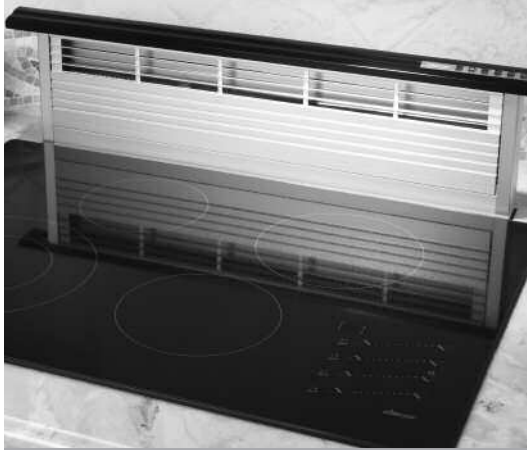
Must turn motor 1/4 turn to change to VENTED

Only "UL" approved Over the Range Microwave/Hood to go over 30" wide gas or electric products.

Must use deflector shield (supplied) and proper mounting height

DOWNDRAFT SYSTEMS

RV



SIZES

30" 36" & 46"

FINISHES

Stainless Steel, Black or White

INTERNAL POWERED

Use CABP3 blower—600 CFM

EXTERNAL POWERED (REMOTE BLOWER)

REMP3—1000 CFM, 8" round duct

REMP16—1600 CFM, 10" round duct

VENTING

Three options: right or left sides, or bottom

SPECIAL NOTES

RV30, 36, 46 designed for SGM304, 364, 365 & 466, PGM365, 304, MET, ETT or CER

ERV



SIZES

30" 36" & 46"

FINISHES

Stainless Steel only

EXTERNAL POWERED (REMOTE BLOWER)

REMP3—1000 CFM, 8" round duct

REMP16—1600 CFM, 10" round duct

VENTING

Transition ATD-2 included

Four optional exhaust directions: right or left sides, bottom or back

SPECIAL NOTES

ERV30 designed for ERD30, RSD30, RSE30, MRES30, SGM, PGM, ETT, MET or CER

ERV36 designed for ESG366, ESG486, SGM, PGM, ETT, MET or CER.

PRV



SIZES

30" 36" & 46"

FINISHES

Stainless Steel, Black or White

EXTERNAL POWERED (REMOTE BLOWER)

REMP3—1000 CFM, 8" round duct

REMP16—1600 CFM, 10" round duct

VENTING

Transition ATD-2 included

Four optional exhaust directions: right or left sides, bottom or back

SPECIAL NOTES

PRV30, 36, 46 designed for RSD30, RSE30, MRES30, SGM304, SGM364, 365, 466, 464GG, PGM304, PGM365, MET, ETT, CER

ACCESSORIES

REMOTE BLOWER



REMP3 (pictured)

REMP16

APPLICATIONS:

Use with EHDR, IVSR, RV, ERV or PRV systems

INTERNAL BLOWER



CABP3

APPLICATIONS:

Install with RV model downdrafts only

STAINLESS STEEL LINERS FOR POWERPACKS



SIZES

Available in five widths:
30", 36", 42", 48" & 54"

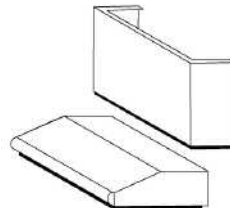
IHL30 & IHL36

Use with IVS1 & IVSR1

IHL42, IHL48 & IHL54

Use with IVS2 & IVSR2

STAINLESS STEEL DUCT COVERS

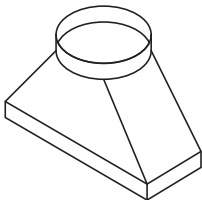


SIZES

Available in five widths:
30", 36", 42", 48" & 54"

All widths available
in three heights:
6", 12" & 18"

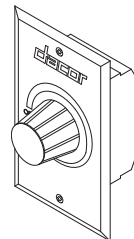
ATD10 TRANSITION



Use with all IVS2 & IVSR2

Use with EHD, EHDR4209,
EHDR4809 & MHD4809

REMOTE CONTROL SPEED SWITCH



ARSC

Install as remote control
for all blower systems

ARLC

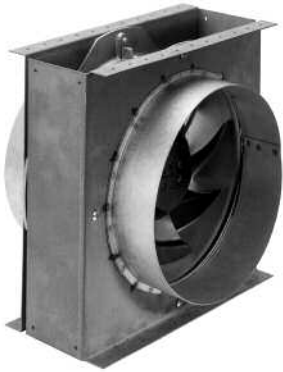
To control lights

ARSCLC

To control both
blower & lights

IN-LINE BLOWERS

ILB 8



POWER

600 CFM

VENTING

8" round duct

APPLICATIONS

SUPPLEMENTAL BLOWER—

Use in conjunction with internal or remote blowers.

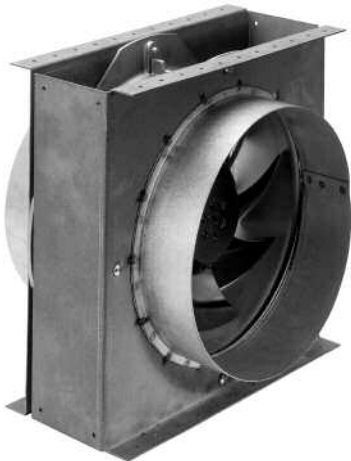
MAKE-UP OR REPLACEMENT AIR SYSTEM—

Some local HVAC codes require make-up air if you are using a vent system with 1000 or more CFM. The ILB's are a great source for this. Have your builder contact their HVAC contractor to see if this is required in your area.

SPECIAL NOTE

ILB8 cannot be used with downdraft ventilation.

ILB 10



POWER

1100 CFM

VENTING

10" round duct

APPLICATIONS

SUPPLEMENTAL BLOWER—

Use in conjunction with internal or remote blowers.

MAKE-UP OR REPLACEMENT AIR SYSTEM—








Some local HVAC codes require make-up air if you are using a vent system with 1000 or more CFM. The ILB's are a great source for this. Have your builder contact their HVAC contractor to see if this is required in your area.

SPECIAL NOTE

ILB10 cannot be used with downdraft ventilation.





CREATING THE PROPER VENTILATION SYSTEM 1

SELECT COOKING PRODUCT

COOKING PRODUCT	MODEL	PRO-HOOD	INTEGRATED VENT SYSTEM	OVER THE RANGE (OTR)	RAISED VENT SYSTEM
	ERD60S		2-IVS1 or 2-IVSR1 Plus a custom Stainless Steel Liner	NA	ERV30 (one for each oven) (must use remote blower)
	ERD48S	EHD5418 or EHDR5418 EHD4818 or EHDR4818 EHD4809 or EHDR4809 MHD4818 MHD4809	IVS2 or IVSR2 Plus IHL54 or IHL48	NA	NA
	ERD36S	EHD4218 or EHDR4218 EHD4209 or EHDR4209 EHD3618 or EHDR3618 EHD3609 or EHDR3609 MHD3618 MHD3609	IVS2 or IVSR2 + IHL42 IVS1 or IVSR1 + IHL36	NA	NA
	ERD30S EGR30S	EHD3618 or EHDR3618 EHD3609 or EHDR3609 EHD3018 or EHDR3018 EHD3009 or EHDR3009 MHD3618 or MHD3018 MHD3609 or MHD3009	IVS1 or IVSR1 + IHL36 IVS1 or IVSR1 + IHL30	PCOR30 or PMOR3021 with ILB8 & ARSC (with deflector shield)	ERV30 with ERD30S (EGR30 not approved for use with downdraft) (must use remote blower)
	ESG486S	EHD5418 or EHDR5418 EHD4818 or EHDR4818 EHD4809 or EHDR4809 MHD4818 MHD4809	IVS2 or IVSR2 Plus IHL54 or IHL48	NA	ERV48 (must use remote blower)
	ESG366S	EHD4218 or EHDR4218 EHD4209 or EHDR4209 EHD3618 or EHDR3618 EHD3609 or EHDR3609 MHD3618 MHD3609	IVS2 or IVSR2 + IHL42 IVS1 or IVSR1 + IHL36	NA	ERV36 (must use remote blower)
	SGM464GG	EHD4809 or EHDR4809 EHD4818 or EHDR4818 MHD4818 MHD4809	IVS2 or IVSR2 Plus IHL54 or ILH48	NA	ERV48 (must use remote blower) PRV46 (must use remote blower)
	SGM466	EHD4809 or EHDR4809 EHD4818 or EHDR4818 MHD4818 MHD4809	IVS2 or IVSR2 Plus IHL54 or ILH48	NA	RV46 (CAB or remote blower) PRV46 (must use remote blower)





CREATING THE PROPER VENTILATION SYSTEM 2

SELECT COOKING PRODUCT

COOKING PRODUCT	MODEL	HOOD	INTEGRATED VENT SYSTEM	OVER THE RANGE (OTR)	RAISED VENT SYSTEM
	SGM365 SGM364 PGM365	EHD4209 or EHDR4209 EHD3609 or EHDR3609 MHD3609	IVS2 or IVSR2 + IHL42 IVS1 or IVSR1 + IHL36	NA	ERV36 or RV36 (with appropriate remote blower) PRV36 (must use remote blower)
	SGM304	EHD3609 or EHDR3609 EHD3009 or EHDR3009 MHD3609 or MHD3009	IVS1 or IVSR1 + IHL36 or IHL30	PCOR30 or PMOR3021 (add ILB8 & ARSC if you want 600 CFM)	ERV30 or RV30 (with appropriate blower) PRV30 (must use remote blower)
	MET365 ETT365 CERB365	EHD4209 or EHDR4209 EHD3609 or EHDR3609 MHD3609	IVS2 or IVSR2 + IHL42 IVS1 or IVSR1 + IHL36	NA	ERV36 or RV36 (with appropriate blower) PRV30 (must use remote blower)
	MET304 ETT304	EHD3609 or EHDR3609 EHD3009 or EHDR3009 MHD3609 or MHD3009	IVS1 or IVSR1 Plus IHL36 or IHL30	PCOR30 or PMOR3021	ERV30 or RV30 (with appropriate blower) PRV30 (must use remote blower)
	RSD30	EHD3609 or EHDR3609 EHD3009 or EHDR3009 MHD3609 or MHD3009	IVS1 or IVSR1 Plus IHL36 or IHL30	PCOR30 or PMOR3021 (add ILB8 & ARSC if you want 600 CFM)	ERV30 with RSD30 (must use remote blower) PRV30 (must use remote blower)
	MRES30	EHD3609 or EHDR3609 EHD3009 or EHDR3009 MHD3609 or MHD3009	IVS1 or IVSR1 Plus IHL36 or IHL30	PCOR30 or PMOR3021	ERV30 (must use remote blower) PRV30 (must use remote blower)



CREATING THE PROPER VENTILATION SYSTEM 3

BUILD THE VENTILATION PACKAGE

STEP: 1 <i>Select Vent System/Model</i>		2 <i>Select Blower</i>		3 <i>Duct Size Needed</i>	4 <i>Max Length For 1 Blower Sys.</i>	5 <i>Determine Duct Length Incl. Elbows & Trans.</i>	6 <i>If Over Max Length, Choose Extra Blower(s)</i>	
VENT SYSTEMS	MODEL	INTERNAL POWER	REMOTE POWER	DUCT SIZE	MAX LENGTH	DUCT LENGTH	EXTRA BLOWER	
 <p><i>18" Pro Hood – Internal</i></p>	EHD3018	Included 600 CFM	NA	8" round	60'		REMP3	
	EHD3618							
	EHD4218 EHD4818 EHD5418	Included 1200 CFM	NA	10" round	50'		REMP16	Ask builder about make-up air
 <p><i>18" Pro Hood – External</i></p>	EHDR3018	NA	REMP3	8" round	60'		REMP3	
	EHDR3618							
	EHDR4218 EHDR4818 EHDR5418	NA	REMP16	10" round	50'		REMP16	Ask builder about make-up air
 <p><i>9" Pro Hood – Internal</i></p>	EHD3009	Included 600 CFM	NA	8" round	60'		REMP3	
	EHD3609							
EHD4209 EHD4809	Included 1200 CFM	NA	(2) 8" rounds (with ATD10) or 10" round	50'		REMP16	Ask builder about make-up air	
 <p><i>9" Pro Hood – External</i></p>	EHDR3009	NA	REMP3	8" round	60'		REMP3	
	EHDR3609							
EHDR4209 EHDR4809	NA	REMP16	(2) 8" rounds (with ATD10) or 10" round	50'		REMP16	Ask builder about make-up air	

CREATING THE PROPER VENTILATION SYSTEM 4




BUILD THE VENTILATION PACKAGE

STEP: 1 <i>Select Vent System/Model</i>		2 <i>Select Blower</i>		3 <i>Duct Size Needed</i>	4 <i>Max Length For 1 Blower Sys.</i>	5 <i>Determine Duct Length Incl. Elbows & Trans.</i>	6 <i>If Over Max Length, Choose Extra Blower(s)</i>	
VENT SYSTEMS	MODEL	INTERNAL POWER	REMOTE POWER	DUCT SIZE	MAX LENGTH	DUCT LENGTH	EXTRA BLOWER	
 18" Millennia Hood	MHD3018 MHD3618	Included 600 CFM	NA	8" round	60'		REMP3	
	MHD4818	Included 1200 CFM	NA	10" round	50'		REMP16	Ask builder about make-up air
 9" Millennia Hood	MHD3009 MHD3609	Included 600 CFM	NA	8" round	60'		REMP3	
	MHD4809	Included 1200 CFM	NA	(2) 8" rounds (with ATD10) or 10" round	50'		REMP16	Ask builder about make-up air



CREATING THE PROPER VENTILATION SYSTEM 5

BUILD THE VENTILATION PACKAGE

STEP: 1 Select Vent System/Model		2 Select Blower		3 Select Liner & Transition		4 Duct Size Needed	5 Max Length For 1 Blower Sys.	6 Determine Duct Length Incl. Elbows & Trans.	7 If Over Max Length, Choose Extra Blower(s)	
VENT SYSTEMS	MODEL	INTERNAL POWER	REMOTE POWER	LINER	TRANSITION	DUCT SIZE	MAX LENGTH	DUCT LENGTH	EXTRA BLOWER	
 PowerPacks – Internal	IVS1	Included 600 CFM	NA	IHL36 or IHL30	NA	8" round	60'		REMP3	
	IVS2	Included 1200 CFM	NA	IHL54, IHL48, IHL42 or IHL40	ATD10	10" round	50'		REMP16	Ask builder about make-up air
	IVSR1	NA	REMP3	IHL36 or IHL30	NA	8" round	60'		REMP3	
	IVSR2	NA	REMP16	IHL54, IHL48, IHL42 or IHL40	ATD10	10" round	50'		REMP16	Ask builder about make-up air
 Over the Range Microwaves	PMOR30 PCOR30	Included 300 CFM	ILB8 & ARSC (if used with ERD30 or EGR30)	NA	NA	3 1/4" rectangle	50'		ILB8	Remove internal blower if using the ILB8 & ARSC combination
	RV30	CABP3	REMP3 or REM16	NA	NA	3 1/4" x 10" rectangle	40'		REMP3 or REM16	Ask builder about make-up air if unit is over 1000 CFM
 Downdraft ERV	ERV30 ERV36 ERV48	NA	REMP3 for MRES or RSD ranges. REMP3 or REM16 for ERD30 or ESG cooktops	NA	NA	3 1/4" x 10" rectangle	40'		REMP3 or REM16	Ask builder about make-up air if unit is over 1000 CFM
	PRV30 PRV36 PRV46	NA	REMP3 or REM16	NA	NA	3 1/4" x 10" rectangle	40'		REMP3 or REM16	Ask builder about make-up air if unit is over 1000 CFM