

Installation Instructions and Directions for Use

RKB 12x6, RKB 16x8, RKB 20x10, RKB 24x12
RKB 24x14, RKB 28x16, RKB 32x20, RKB 40x20



This guide is for use with the following product: Rectangular duct fan RKB

Read and save these directions.

CAUTION! FOR GENERAL VENTILATION USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS AND VAPORS.

DESCRIPTION

- UL 705 "Power Ventilators" approved.
- Standard, single phase 110-120V 60 Hz
3-phase 265/460V 60 Hz.
- Use for transportation of "clean" air only,
Not intended for dangerous substances, explosives,
grinding dust, soot, etc.
- Equipped with an asynchronous external rotor
induction motor with maintenance-free sealed ball-
bearings.
- For maximum fan life, installations in 60 Hz or damp
or cold environments, the fan should be operating
continuously.
- Do not install outdoors.
- Install vertically or horizontally.

INSTALLATION

- The fan has rotating parts, therefore safety precau-
tions should be exercised during installation, opera-
tion and maintenance. Tighten all screws before
operation unit. **USE HAND PROTECTION AND
STAY CLEAR OF SHARP EDGES.**
- The fan must be installed according to all local and
national codes and the air direction label on the
fan, see page 5.
- The fan must be connected to duct or equipped
with a safety grill.
- The fan should be installed in a safe way not to
cause vibrations or risking the fan to fall.
- A wiring diagram is applied on the inside of the
junction box and in this guide.
- An external current motor protection may be
needed.

**WARNING! TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY TO PERSONS,
OBSERVE THE FOLLOWING:**

- Use this unit only in the manner intended by the
manufacturer. If you have any questions, contact
your manufacturers representative.
- Before servicing and cleaning unit, switch power
off at service panel and lock-out the service to
prevent power from being switched on.
When the service cannot be locked out, securely
fasten a prominent device, such as a tag, to the
electrical panel.
- Installation work and electrical wiring must be
done by qualified person(s) in accordance with all
construction.
- When cutting or drilling into the wall or ceiling, do
not damage electrical wiring or other hidden utilities.
- Ducted fans must always be ventilated to the
outdoors.
- Do not install this unit above a tub or a shower, if
it's not marked as appropriate for the application.
- **Never** place a switch where it can be reached from
a tub or shower.

OPERATION

Before starting, make sure that:

- the fan is installed and electrically connected in the
correct way to ground.
- the current does not exceed more than +5% of
what is stated on the label.
- no foreign object are placed in the fan and there
isn't any noise when starting the fan.

MAINTENANCE

WARNING! TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- Use this unit only in the manner intended by the manufacturer. If you have any questions, contact your manufacturers representative.
- Before service and cleaning of the unit, switch off the power at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. If the service disconnecting means cannot be locked, securely fasten a prominent device, such as a tag, to the service panel.
- Consider the weight of the fan when removing larger fans to avoid jamming and injuries.
- The fan must be cleaned at least once per year to maintain the capacity and to avoid imbalance which may cause unnecessary damages to the bearings.
- The fan bearings are maintenance-free.
- When cleaning the fan, high-pressure cleaning or strong solvent must **not** be used. Cleaning should be done without dislodging or damaging the impeller.
- Make sure that there is no noise from the fan.

If repair must be made to the product, it has to be performed by a qualified maintenance person.

FAULT DETECTION

1. Make sure that there is tension to the fan.
2. Cut the tension and verify that the impeller is not blocked.
3. Check the thermo-contact/motor protector. If it is disconnected the cause of overheating must be located and repaired.
4. Make sure that the capacitor is connected according to the wiring diagram.
5. If the fan still does not work, change the capacitor.
6. If the fan still won't work, contact your fan supplier.
7. If the fan is returned to the supplier, it must be clean, the motor cable undamaged and a detailed Non-conformity report enclosed.

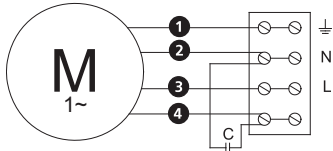
TECHNICAL DATA

	Voltage V/Hz	Current A	Input W	Speed rpm	Weight lbs	Capacitor μF	Wiring diagram	Insulation class, motor	Motor protection
RKB 12x6 C1	120 / 60	0.69	80	2560	14.1	8	4040001	F	IP 44
RKB 16x8 A1	120 / 60	1.18	140	2580	21.2	10	4040001	F	IP 44
RKB 16x8 B1	120 / 60	1.83	217	2880	23.1	16	4040001	F	IP 44
RKB 16x8 E1	120 / 60	1.97	233	2570	24.3	16	4040001	F	IP 44
RKB 20x10 C1	120 / 60	2.78	327	2430	33.1	30	4040001	F	IP 44
RKB 20x10 G1	120 / 60	3.27	367	1400	37.5	24	4040005	F	IP 44
RKB 24x12 G1	120 / 60	4.93	577	1700	62.6	40	4040005	F	IP 44
RKB 24x14 A1	120 / 60	2.94	351	1130	69.4	30	4040005	F	IP 44
RKB 24x14 A3	265/460 / 60	0.62	293	1130	68.3	-	4040158/4040157	F	IP 44
RKB 24x14 D1	120 / 60	4.85	572	1140	68.8	50	4040159	F	IP 44
RKB 24x14 D3	265/460 / 60	0.93	446	1130	74.3	-	4040158/4040157	F	IP 44
RKB 24x14 G3	265/460 / 60	0.90	522	1650	63.9	-	4040158/4040157	F	IP 44
RKB 28x16 A1	120 / 60	5.00	596	1150	92.6	50	4040159	F	IP 44
RKB 28x16 C1	120 / 60	7.03	833	1050	92.6	60	4040159	F	IP 44
RKB 28x16 C3	265/460 / 60	1.24	664	1010	95.9	-	4040158/4040157	F	IP 44
RKB 32x20 A3	265/460 / 60	1.32	699	820	141.1	-	4040158/4040157	F	IP 44
RKB 32x20 B3	265/460 / 60	2.25	1270	1030	142.2	-	4040158/4040157	F	IP 44
RKB 40x20 J3	265/460 / 60	2.76	1070	820	185.2	-	4040158/4040157	F	IP 44
RKB 40x20 L3	265/460 / 60	6.60	2210	1040	183.0	-	4040158/4040157	F	IP 44

WIRING DIAGRAMS

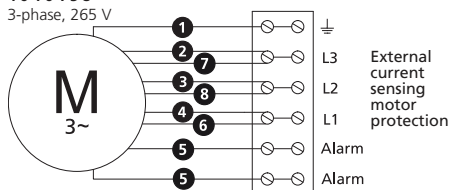
4040001

Single phase



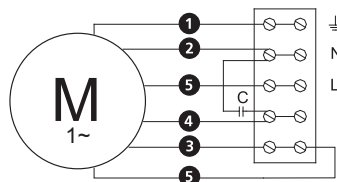
4040158

3-phase, 265 V



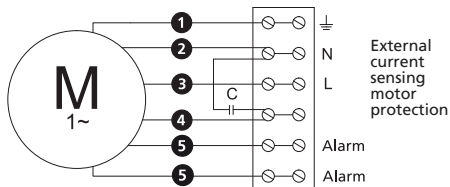
4040005

Single phase with thermo contact



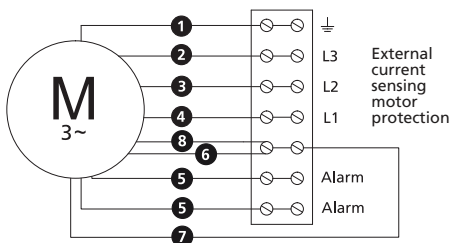
4040159

Single phase



4040157

3-phase, 460 V



The white wires **5** in diagram 4040157, 4040158 and 4040159 can be used as signal cables for an alarm. They are normally closed and when the motor is overheated they are opened.

(M) = Fan Motor

1 = Yellow/Green

2 = Black

3 = Blue

4 = Brown

5 = White

6 = Orange

7 = Grey

8 = Red

9 = Green

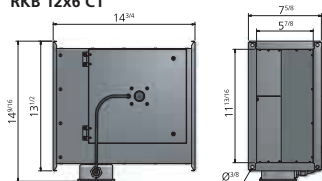
10 = Violet

11 = Quick switch

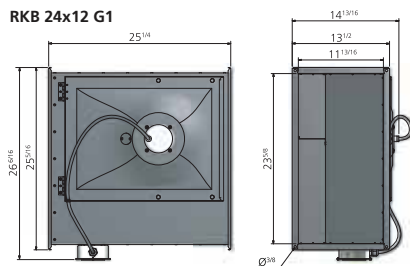
12 = Yellow

DIMENSIONS in inches

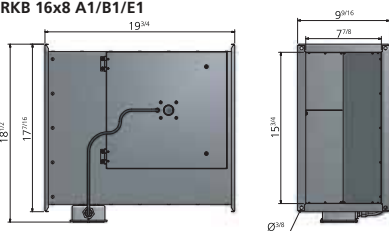
RKB 12x6 C1



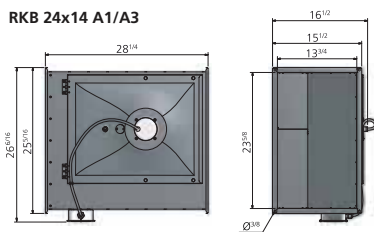
RKB 24x12 G1



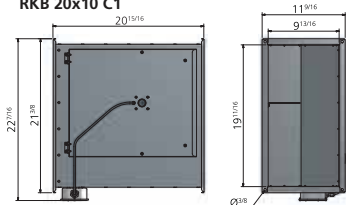
RKB 16x8 A1/B1/E1



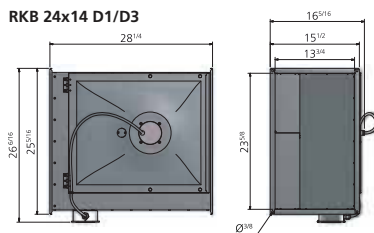
RKB 24x14 A1/A3



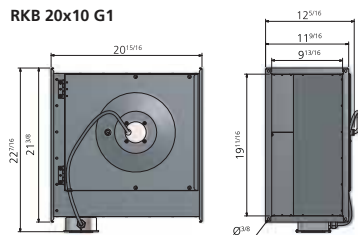
RKB 20x10 C1



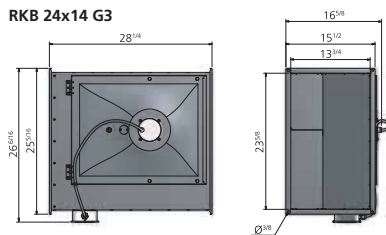
RKB 24x14 D1/D3



RKB 20x10 G1

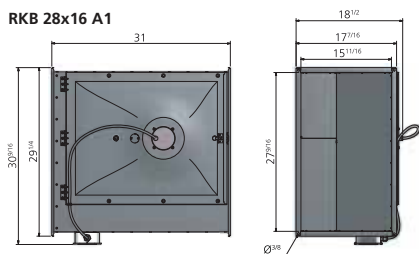


RKB 24x14 G3

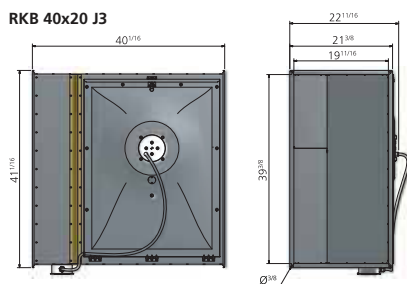


DIMENSIONS in inches

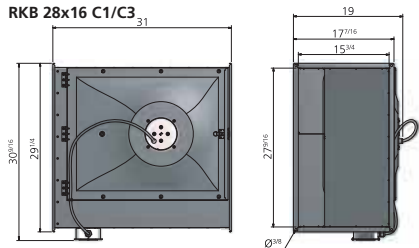
RKB 28x16 A1



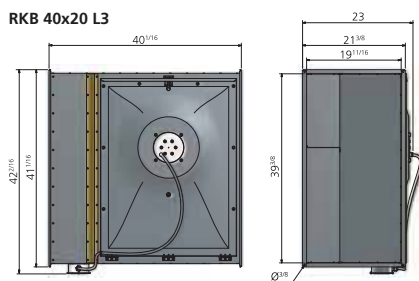
RKB 40x20 J3



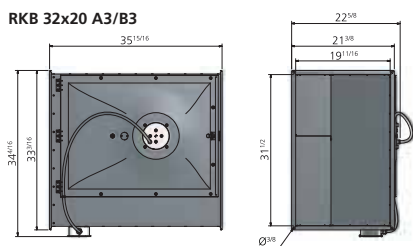
RKB 28x16 C1/C3



RKB 40x20 L3



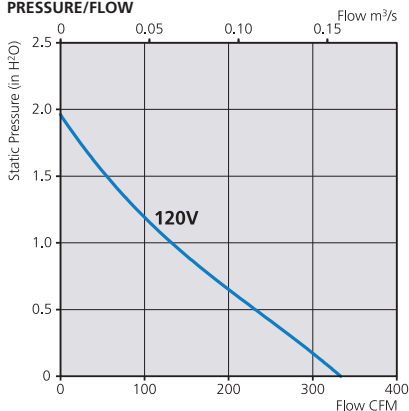
RKB 32x20 A3/B3



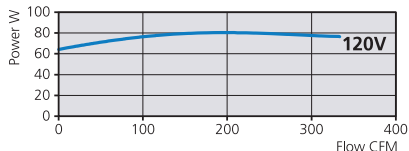
PRESSURE AND FLOW DIAGRAMS

RKB 12x6 C1

PRESSURE/FLOW

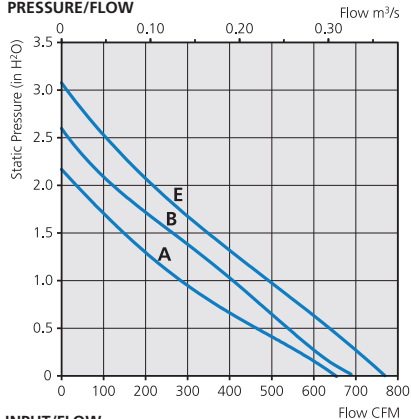


INPUT/FLOW

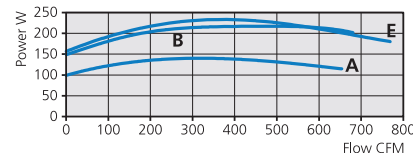


RKB 16x8 A1 / B1 / E1

PRESSURE/FLOW

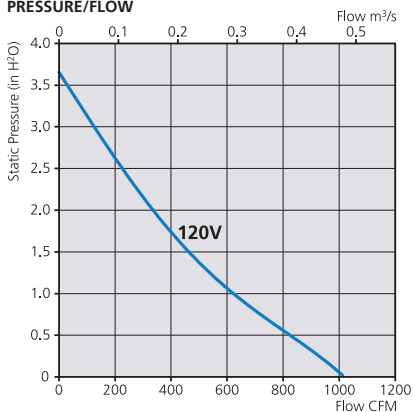


INPUT/FLOW

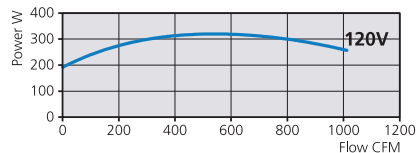


RKB 20x10 C1

PRESSURE/FLOW

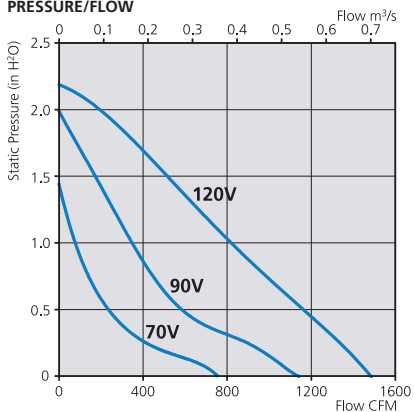


INPUT/FLOW

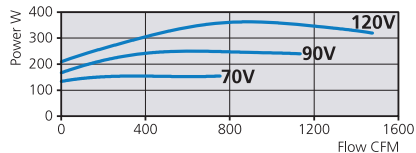


RKB 20x10 G1

PRESSURE/FLOW



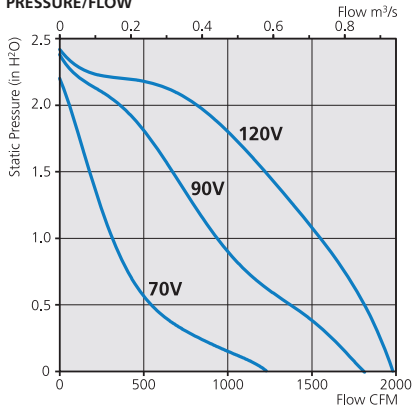
INPUT/FLOW



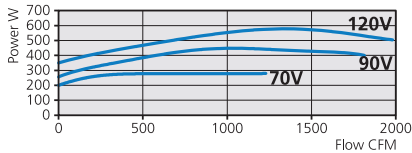
PRESSURE AND FLOW DIAGRAMS

RKB 24x12 G1

PRESSURE/FLOW

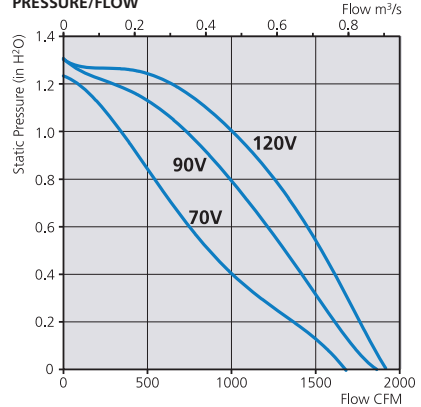


INPUT/FLOW

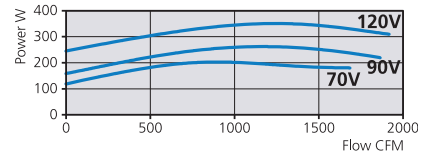


RKB 24x14 A1

PRESSURE/FLOW

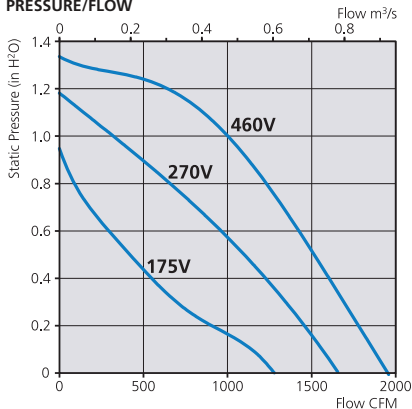


INPUT/FLOW

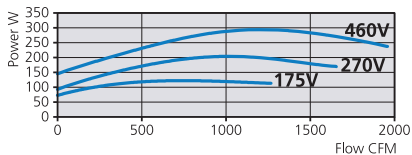


RKB 24x14 A3

PRESSURE/FLOW

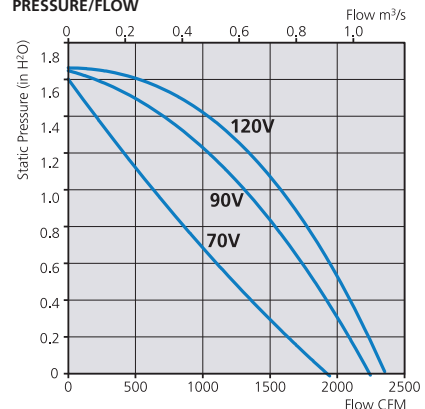


INPUT/FLOW

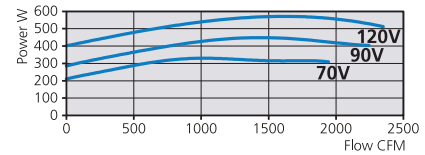


RKB 24x14 D1

PRESSURE/FLOW



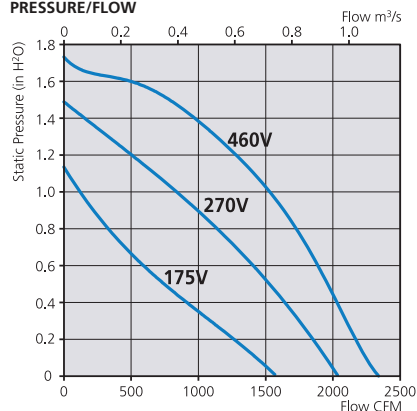
INPUT/FLOW



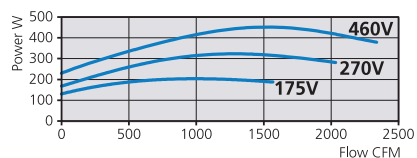
PRESSURE AND FLOW DIAGRAMS

RKB 24x14 D3

PRESSURE/FLOW

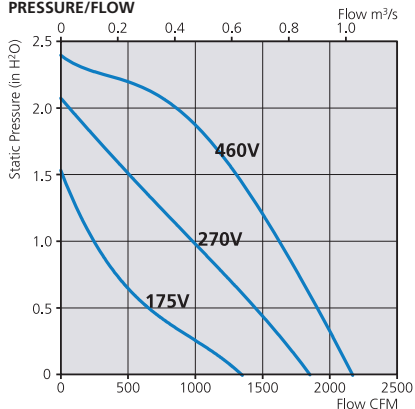


INPUT/FLOW

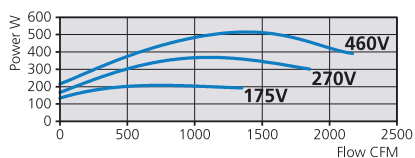


RKB 24x14 G3

PRESSURE/FLOW

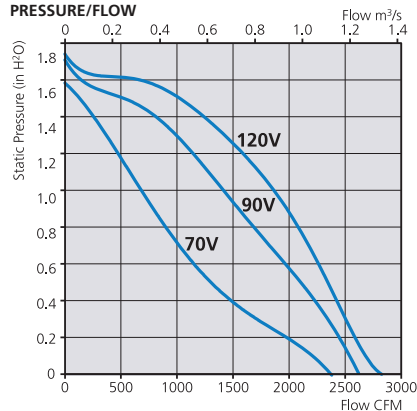


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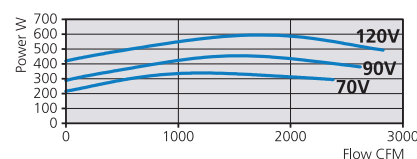


RKB 28x16 A1

PRESSURE/FLOW

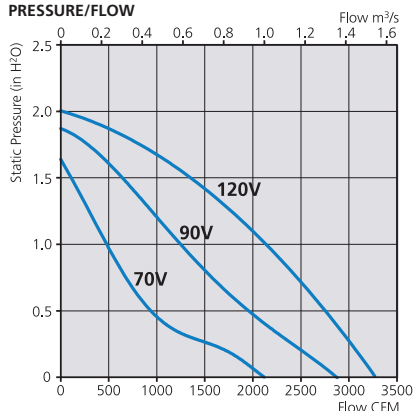


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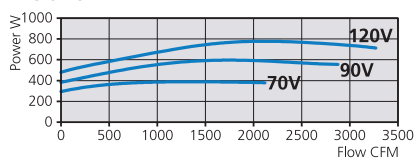


RKB 28x16 C1

PRESSURE/FLOW



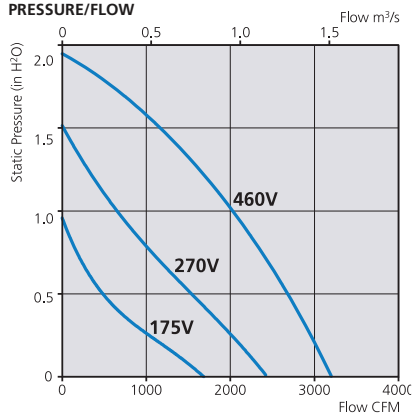
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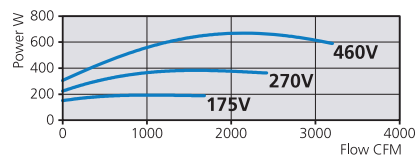
PRESSURE AND FLOW DIAGRAMS

RKB 28x16 C3

PRESSURE/FLOW

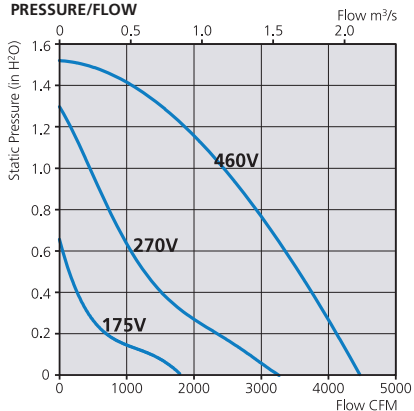


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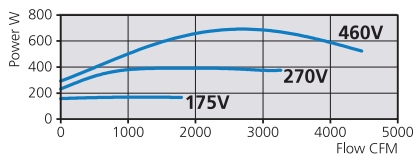


RKB 32x20 A3

PRESSURE/FLOW

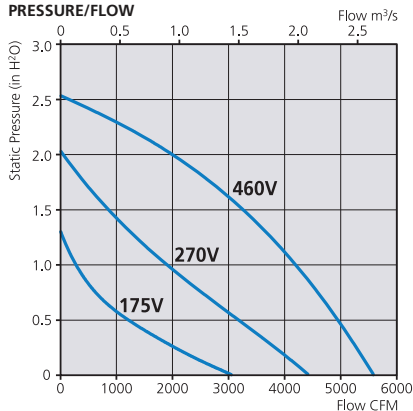


INPUT/FLOW

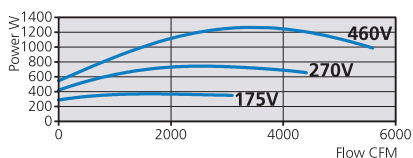


RKB 32x20 B3

PRESSURE/FLOW

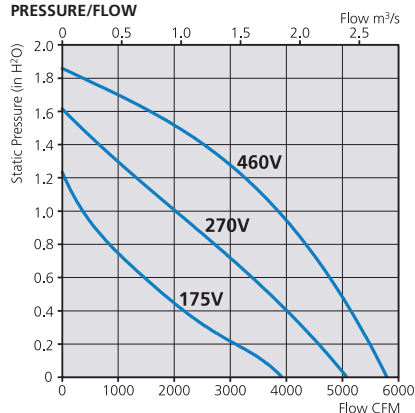


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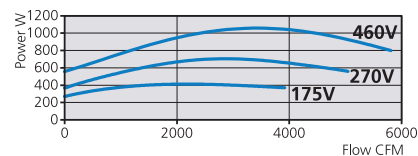


RKB 40x20 J3

PRESSURE/FLOW



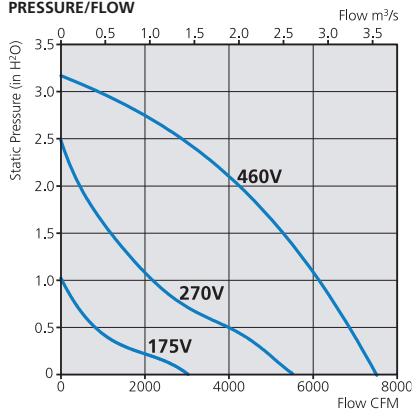
INPUT/FLOW



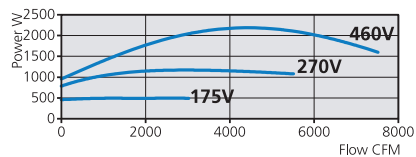
PRESSURE AND FLOW DIAGRAMS

R K B 40x20 L3

PRESSURE/FLOW



INPUT/FLOW



SOUND DATA

The sound data have been compiled by means of sound measurements methods as follows:
 Pressure and drop: ISO 5801.
 Determination of acoustic sound level in duct:
 EN ISO 5136.
 Determination of acoustic sound level in reverberation room: EN ISO 3741.

DESIGNATIONS

L_{wA}^{Tot} : Total A-weighted sound power level dB(A) (ref $10^{-12}W$)= the sum of the sound power level in the octave ranges.
 L_{wA} : A-weighted sound power level in octave range dB(A)(ref $10^{-12}W$).
 L_{pA} : A-weighted sound pressure level in dB(A) according to normed A-weighting correction and relating to an effective absorption area of 20 m² with half spherical translation at a distance of 3 metres.

RKB 12x6 C1

174 CFM, 0.80 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	50	57	31	38	48	50	52	50	47	39
Inlet		71	49	58	68	65	57	54	53	48
Outlet		72	51	58	68	66	62	59	57	51

RKB 16x8 E1

566 CFM, 0.80 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	58	65	34	59	54	60	56	54	50	47
Inlet		77	60	66	70	71	68	70	67	63
Outlet		82	60	67	69	78	74	76	72	68

RKB 16x8 B1

379 CFM, 1.09 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	56	63	35	50	55	60	55	52	48	44
Inlet		76	59	67	71	71	66	66	64	60
Outlet		79	58	65	70	75	70	70	68	63

RKB 16x8 A1

386 CFM, 0.68 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	54	61	32	39	55	58	51	52	44	34
Inlet		76	56	62	71	72	65	64	62	52
Outlet		79	56	62	71	75	70	71	68	57

RKB 20x10 C1

693 CFM, 0.88 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	56	63	42	44	57	58	55	53	48	46
Inlet		76	62	64	69	67	69	69	67	65
Outlet		83	62	64	72	79	75	77	73	71

SOUND DATA

RKB 20x10 G1

120V, 1047 CFM, 0.68 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	58	65	38	52	63	55	54	51	43	36
Inlet		76	59	67	73	65	65	63	57	51
Outlet		80	66	69	76	74	72	70	62	57
90V, 720 CFM, 0.38 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	51	58	32	52	56	49	47	43	35	30
Inlet		68	55	64	64	58	57	54	47	40
Outlet		71	58	64	65	64	62	59	51	43
70V, 485 CFM, 0.20 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	46	53	28	51	46	42	39	36	29	28
Inlet		62	49	60	55	50	47	43	36	28
Outlet		65	53	62	57	56	54	50	41	31

RKB 24x12 G1

120V, 1477 CFM, 1.00 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	63	70	47	62	66	62	62	57	49	44
Inlet		83	71	72	80	72	72	72	68	64
Outlet		88	72	72	84	82	81	80	73	69
90V, 1233 CFM, 0.64 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	58	65	44	62	60	57	56	51	44	38
Inlet		78	65	70	75	65	65	65	62	56
Outlet		83	67	69	79	75	75	73	67	62
70V, 782 CFM, 0.28 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	52	59	36	57	51	47	46	40	35	28
Inlet		68	57	62	65	55	55	54	53	37
Outlet		72	59	63	67	64	64	62	58	43

RKB 24x14 A1

120V, 1413 CFM, 0.60 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	58	65	41	56	60	53	62	49	43	38
Inlet		77	65	70	73	65	64	65	62	60
Outlet		80	65	72	76	71	73	71	65	61
90V, 1312 CFM, 0.50 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	55	62	40	54	57	51	57	46	42	35
Inlet		72	61	67	68	61	62	61	60	53
Outlet		78	64	69	73	69	70	68	63	59
70V, 1174 CFM, 0.30 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	50	57	38	53	52	46	48	42	38	28
Inlet		67	57	61	61	55	55	58	54	40
Outlet		72	59	65	66	62	63	63	58	45

SOUND DATA

RKB 24x14 A3

460V, 1318 CFM, 0.70 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	55	62	39	54	58	52	53	54	43	36
Inlet		74	61	68	70	62	63	65	62	55
Outlet		81	64	71	75	70	72	78	64	60
270V, 1125 CFM, 0.48 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	59	37	57	52	46	47	46	39	29	
Inlet		69	58	63	63	57	57	60	58	44
Outlet		74	60	66	68	64	65	67	60	51
175V, 824 CFM, 0.24 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	42	49	38	44	44	39	41	38	32	27
Inlet		61	54	54	54	50	52	54	45	30
Outlet		66	56	61	59	55	58	60	50	34

RKB 24x14 D1

120V, 1672 CFM, 0.88 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	59	66	44	58	60	60	59	52	43	36
Inlet		78	64	74	74	66	63	63	57	51
Outlet		82	68	73	78	74	74	71	64	58
90V, 1568 CFM, 0.76 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	56	63	43	55	58	58	57	49	41	34
Inlet		74	63	69	70	64	61	60	54	48
Outlet		80	66	71	75	72	72	68	62	55
70V, 1229 CFM, 0.48 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	50	57	40	53	51	50	49	41	33	28
Inlet		68	58	62	64	58	54	53	48	40
Outlet		73	61	67	67	65	64	60	54	46

RKB 24x14 D3

460V, 1719 CFM, 0.80 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	58	65	43	55	59	60	58	53	45	35
Inlet		77	64	72	73	66	63	63	60	50
Outlet		82	68	73	78	74	74	71	66	58
270V, 1452 CFM, 0.54 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	53	60	41	54	54	55	53	46	38	30
Inlet		71	61	64	67	61	58	57	53	44
Outlet		77	65	68	72	70	69	65	59	51
175V, 1072 CFM, 0.30 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	45	52	38	45	46	47	44	36	31	27
Inlet		64	56	60	59	53	49	48	43	33
Outlet		68	59	62	63	60	59	55	51	41

SOUND DATA

RKB 24x14 G3

460V, 1500 CFM, 1.21 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	63	70	46	54	69	58	59	56	47	42
Inlet		79	66	69	77	70	67	68	62	60
Outlet		86	68	71	83	76	77	76	69	66
270V, 1235 CFM, 0.74 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	57	64	41	53	62	53	54	49	41	36
Inlet		75	60	68	73	62	60	61	56	53
Outlet		79	62	72	76	69	70	69	61	59
175V, 860 CFM, 0.34 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	46	53	35	49	49	41	43	39	35	28
Inlet		64	53	60	59	52	50	50	49	33
Outlet		68	54	61	62	58	60	58	56	40

RKB 28x16 A1

120V, 2024 CFM, 0.80 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	58	65	42	59	61	56	56	48	40	37
Inlet		76	64	70	70	65	67	66	59	55
Outlet		83	67	73	78	74	78	72	64	61
90V, 1839 CFM, 0.68 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	55	62	45	54	59	53	53	45	38	33
Inlet		73	62	68	68	63	64	63	57	53
Outlet		81	65	71	75	71	76	69	62	59
70V, 1524 CFM, 0.40 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	50	57	42	52	54	49	48	40	34	29
Inlet		67	58	61	61	56	58	56	51	42
Outlet		74	60	66	68	65	69	62	58	49

RKB 28x16 C1

120V, 2244 CFM, 0.90 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	61	68	52	61	64	63	60	54	49	44
Inlet		80	64	73	75	70	71	72	70	64
Outlet		85	68	76	79	77	78	75	72	67
90V, 1850 CFM, 0.58 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	55	62	47	54	57	56	53	49	44	35
Inlet		75	61	67	68	65	66	68	64	55
Outlet		79	63	70	73	71	72	71	67	58
70V, 1367 CFM, 0.30 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	48	55	44	48	51	49	46	43	35	29
Inlet		68	58	59	60	58	61	61	52	40
Outlet		71	58	61	64	62	65	63	56	42

SOUND DATA

RKB 28x16 C3

460V, 2174 CFM, 0.90 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	59	66	49	58	61	59	56	58	48	40
Inlet		79	64	72	73	69	69	71	68	61
Outlet		84	67	75	78	76	77	74	71	64
270V, 1577 CFM, 0.48 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	51	58	43	52	52	51	48	49	39	30
Inlet		71	59	64	64	61	63	64	58	47
Outlet		75	61	68	69	67	69	67	61	50
175V, 1168 CFM, 0.20 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	42	49	38	39	44	42	41	40	29	27
Inlet		62	54	52	55	52	56	54	41	29
Outlet		66	55	55	58	57	61	57	45	32

RKB 32x20 A3

460V, 2922 CFM, 0.80 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	61	68	47	66	57	57	55	52	43	35
Inlet		74	59	68	65	64	68	66	63	56
Outlet		81	63	73	73	72	76	72	67	60
270V, 1918 CFM, 0.30 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	49	56	47	52	49	48	47	41	35	32
Inlet		62	55	58	52	51	54	52	49	35
Outlet		67	56	62	58	58	61	56	54	39
175V, 1178 CFM, 0.12 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	45	52	51	51	38	35	36	34	27	28
Inlet		58	53	55	42	39	41	39	33	23
Outlet		60	54	57	46	45	48	46	39	28

RKB 32x20 B3

460V, 4236 CFM, 1.00 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	64	71	52	64	65	65	63	58	47	43
Inlet		81	64	74	72	71	75	75	68	63
Outlet		88	69	80	81	80	83	80	73	68
270V, 3115 CFM, 0.52 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	56	63	49	56	57	57	55	48	39	35
Inlet		72	59	66	64	63	66	65	59	54
Outlet		80	62	74	71	71	74	70	64	59
175V, 2138 CFM, 0.24 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	45	52	47	44	47	47	44	37	34	28
Inlet		63	56	55	53	53	55	56	51	35
Outlet		69	58	59	61	62	64	59	57	40

SOUND DATA

RKB 40x20 J3

460V, 4560 CFM, 0.70 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	62	69	51	63	63	62	61	58	45	39
Inlet		79	62	73	67	69	74	72	63	58
Outlet		86	67	77	78	79	82	78	69	63
270V, 3914 CFM, 0.46 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	56	63	51	57	58	58	56	52	40	34
Inlet		73	60	68	62	63	68	66	57	51
Outlet		81	65	72	72	73	76	72	63	56
175V, 2924 CFM, 0.24 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	49	56	50	50	51	50	48	43	34	29
Inlet		65	56	59	55	56	60	58	49	38
Outlet		72	60	63	64	65	67	63	56	42

RKB 40x20 L3

460V, 5751 CFM, 1.21 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	68	75	55	69	70	68	67	61	54	49
Inlet		85	67	78	75	75	80	79	73	67
Outlet		93	72	84	84	84	89	85	77	71
270V, 4179 CFM, 0.46 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	58	65	51	57	60	60	56	54	42	36
Inlet		75	60	69	64	65	68	71	60	50
Outlet		81	64	71	72	73	76	74	64	55
175V, 2537 CFM, 0.12 H2O	LpA	LWA _{tot} dB	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Environment	47	54	42	44	51	46	46	41	30	28
Inlet		62	53	52	55	50	57	54	39	29
Outlet		65	55	55	58	57	60	57	43	33



OSTBERG AMERICAS INC.

55 Raglin PL # 3 • Cambridge, N1R 7J2 • Canada

Phone 519-623-6363

Telefax 519-623-8543

www.ostberg.com