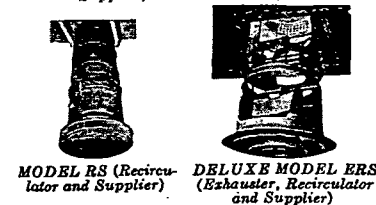
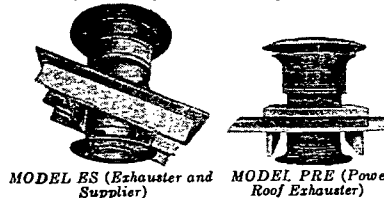
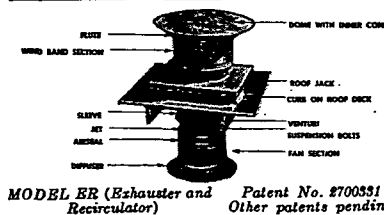


GENIE-AIR
Subject to Magic Control
GENIE-AIR

P. O. Box 47605

Los Angeles 47, Calif.

Multi-Functional Powered Roof Ventilators



Unit selection table dependent upon roof height
(To be used with all models except Power Roof Exhausters)

Max. Roof Height—To	12'	14'	16'	18'	20'	22'	Over 22'
Genie-Air Unit Size—	15	17	19	21	25	31	38

GENIE-AIR Performance Data For All Models

Unit size	cfm	Fan rpm	h.p.	Phase	Voltage	Drive	Weight	
							PRE	ER
15-10	1000	1140	3/4	1	115	DD	70	80
15-14	1400	1140	3/4	1	115	DD	70	80
17-18	1800	1140	3/4	1	115-230	DD	75	85
17-22	2200	1140	3/4	1	115-230	DD	75	85
19-27	2700	1140	3/4	1	115-230	DD	85	95
19-30	3000	1140	3/4	1	115-230	DD	85	95
21-33	3300	1140	3/4	1	115-230	DD	100	110
21-37	3750	1140	3/4	1	115-230	DD	100	110
25-41	4100	1140	3/4	1	115-230	DD	150	160
25-47	4700	1140	3/4	1	115-230	DD	150	160
31-55	5500	850	3/4	1	115/230	BD	260	300
31-65	6500	750	3/4	1	115/230	BD	260	300
31-80	8000	750	3/4	1	115/230	BD	265	305
38-10	10850	900	3/4	3	220/440	BD-DD	310	360
38-13	13000	545	1	3	220/440	BD	315	365
38-14	14400	1140	1	3	220/440	DD	315	365
38-16	16800	1140	1 1/2	3	220/440	DD	320	370

GENIE-AIRS exhaust, recirculate, supply or mix recirculated and supply air—any 1,2,3 or all 4 functions with the same unit.

MODEL ER exhausts in summer and recirculates in winter. During the recirculating cycle the butterfly dampers, which seal the opening between the roof jack collar and sleeve section, remain in closed position and the heated air trapped at the roof line is recovered through the opening between the venturi and jet and returned to the occupied area; thus improving the efficiency of the heating system and reducing operating costs as well as initial costs. The cycle of operation may be changed at any time through a three-position switch or thermostat. In new design the amount of heat normally required can be greatly reduced when used in conjunction with these units. This model, with slight modifications, can also provide for supply of fresh air.

MODEL ES either exhausts or provides for supply of fresh air merely by reversing fan rotation through a three-position switch.

MODEL PRE is a typical power roof ventilator. This unit is equipped with butterfly dampers, which prevent heat loss in winter.

MODEL RS recirculates or supplies; also, any proportion of recirculated and supply air may be obtained by varying the opening between the venturi and jet thru a manually, pneumatically, or electrically-operated mechanism. Filters are optional.

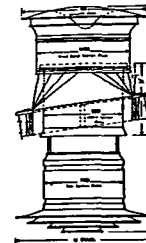
DELUXE MODEL ERS provides all four functions listed above. Filters are optional. Raise the sleeve or fan section for recirculated or exhaust air and close it for supply. The sleeve or fan section is raised or lowered by: (1) gear ratio motor and rack assembly, controlled either by a three-position switch or thermostat or (2) manual mechanism. This model available in sizes 31 and 38 only.

NOTE: Cfm delivery of all models has been calculated on the basis of the static pressure through the unit. As the percentage of cfm delivery is reduced when fan blade rotation is reversed, specify on which cycle of operation the greater cfm is required. Units having larger capacities or special combinations of fan blades, motor sizes and speeds are available on special order.

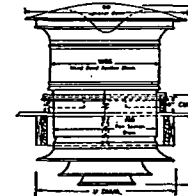
Genie-Air

Air System Equipment • Roof Ventilators

Dimensional Data



Models ER, RS, ERS



Models ES and PRE

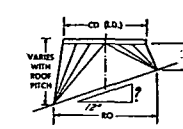
Dimensional Chart For All Genie-Air Models

Size	CD	DD	WBS	SSD	FSD	"U Diam."
15	16	34	19	15	15	22 1/4
17	18	38	21	17	17	25
19	20	38	23	19	19	26
21	22	42	25	21	21	28
25	26	45	31	25	25	33
31	32	54	36	31	31	39
38	39	59	44	38	38	45

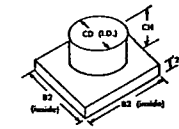
Dimensions in Inches

See charts below for A, B, & SL dimensions.

Type 1 or Type 2 roof jacks, as illustrated below, are furnished with all Genie-Airs. Any model may be installed in either type of roof jack; however type 2 is preferred because of its simplicity of installation. In either case, CD dimension plus 3 in. must be held vertically clear downward through the full length of equipment below the underside of roof. Unit sizes 31 and 38 require support in addition to the roof jack. Support is to be furnished by others. See suggested method for framing or support.



Type 1 Roof Jack



Type 2 Roof Jack

The Following Dimensions Are to Be Used With Type 1 Roof Jack:

Genie-Air Size	Models ER, RS, and ERS			Models PRE		Models ES	
	A	*SL	*B	A	*B	A	*B
15	27	27	37	27	18	27	17
17	29	27	38	29	18	29	17
19	29	27	38 1/2	29	16	29	17
21	35	27	39 1/2	35	16	35	17
25	39	27	43 1/2	39	17	39	17
31	42	27	51 1/2	42	18	42	17
38	44	28	52 1/2	44	19	44	18

* Dimensions (in inches) Based on 12 in. Roof Jack Height But May Be Varied.

TYPE 1 ROOF JACK—"RO" (roof jack opening—inside dimensions) for unit sizes 15, 17, 19, 21 & 25 is 28 in. x 28 in.; size 31 is 36 in. x 36 in.; size 38 is 42 in. x 42 in.

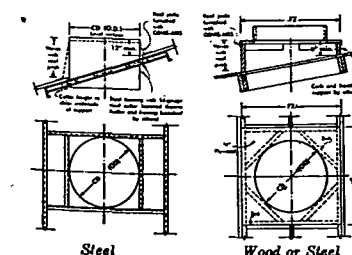
TYPE 2 ROOF JACK—"B2" (inside dimensions of roof jack base) for unit sizes 15, 17, 19, 21 and 25 is 31 in. x 31 in.; CH (collar height above base) is 5 in.; F2 (finish surface dimensions of curb including roofing paper) must be 30 1/2 x 30 1/2 in.; B2 for unit sizes 31 & 38 is 43 in. x 43 in.; CH is 6 in.; F2 must be 42 1/4 in. x 42 1/4 in. All curbs must be 6 in. minimum on high side roof.

The Following Dimensions Are to Be Used With Type 2 Roof Jack:

Genie-Air Size	Models ER, RS, and ERS			Model PRE		Model ES	
	A	*SL	*B	A	*B	A	*B
15	21	27	43	21	22	21	23
17	23	27	44	23	22	23	23
19	23	27	44 1/2	23	22	23	23
21	29	27	45 1/2	29	22	29	23
25	33	27	49 1/2	33	23	33	24
31	36	27	57 1/2	36	24	36	25
38	38	28	58 1/2	38	25	38	26

* Dimensions (in inches) Based on 6 in. Curb Height (High Side of Roof) But May Be Varied.

SUGGESTED METHODS FOR FRAMING OR SUPPORTING SIZES 31 & 38



Steel

Wood or Steel



Typical Installation With Steel Frame Support



Typical Installation With Wood or Steel Frame Support

NOTE: On flat or slightly pitched roofs 14-gauge steel collar may be connected above roof decking with necessary support framing on underside of roof.

NOTE: Conformance of installations with local agencies and governing codes is the responsibility of others.



Write for Complete Catalog