

GENIE AIR Subject to Magic Control GENIE-AIR

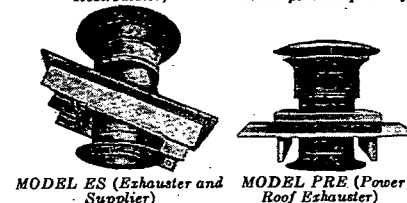
4273 So. Broadway

Los Angeles 37, Calif.

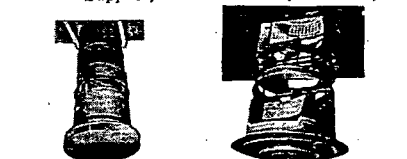
Multi-Functional Powered Roof Ventilators



MODEL ER (Exhauster and Recirculator) Patent No. 2700331 Other patents pending



MODEL ES (Exhauster and Supplier) MODEL PRE (Power Roof Exhauster)



MODEL RS (Recirculator and Supplier) DELUXE MODEL ERS (Exhauster, Recirculator and Supplier)

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
21-32	3200	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. Domes are optional.

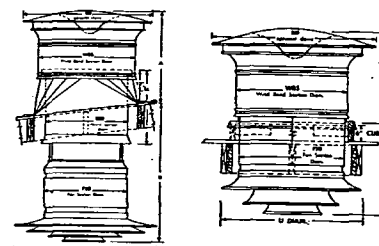
MODEL RS recirculates or supplies; also, any proportion of recirculated and supply air may be obtained by varying the opening between the venturi and jet thru a manually, pneumatically, or electrically-operated mechanism. Filters are optional.

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

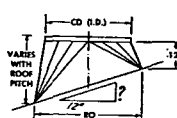
Dimensional Data



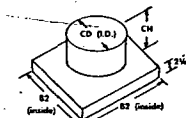
Models ER, RS, ERS

Models ES and PRE

Type 1 and 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 2 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



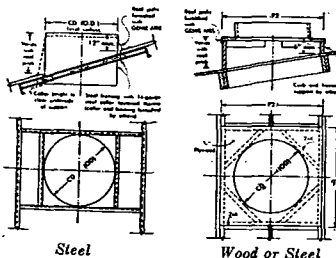
Type 2 Roof Jack

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

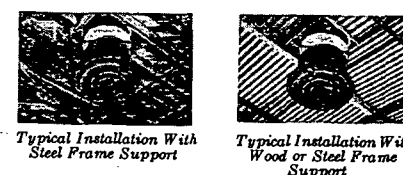
Genie-Air Size	Models ER, RS, and ERS			Models PRE		Models ES	
	A	*SL	*B	A	*B	A	*B
15	27	27	37	27	16	27	17
17	29	27	38	29	16	29	17
19	29	27	38½	29	16	29	17
21	35	27	39½	35	16	35	17
25	39	27	43½	39	17	39	17
31	42	27	51½	42	18	42	17
38	44	28	52½	44	19	44	18

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

SUGGESTED METHODS FOR FRAMING OR SUPPORTING SIZES 31 & 38



Steel Wood or Steel

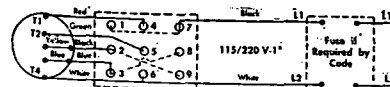


Typical Installation With Steel Support

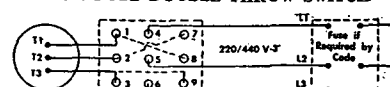
Typical Installation With Wood or Steel Frame Support

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.

SUGGESTED ELECTRICAL SWITCH WIRING



USING 3-POLE DOUBLE-THROW SWITCH



See our complete catalog in A-E-C Catalog File or write to above address.