

## Table Notes

- a) Glass is not by Metal Building Manufacturer
- b) VLT = Visible Light Transmittance
- c) LTP = Light Transmitting Panel
- d) Shading Coefficient is the ratio of solar heat gain through a particular product compared to 1/8" clear glass. It is based on the same conditions as the summer daytime U-value.
- e) U-value is the overall coefficient of the heat transmission (air to air) due only to difference in indoor and outdoor temperatures. The lower the U-value, the less heat is transmitted through a material in a given time for a given temperature difference. Winter U-values are based on an outdoor temperature of 0oF, an indoor temperature of 70oF and a 15mph wind velocity with no sun. Summer U-values and Shading Coefficients are based on an outdoor temperature of 89oF, an indoor temperature of 75oF, a solar intensity of 248 Btu/Hr.-Ft.2 and a 7.5 mph wind velocity.
- f) Walk Doors have been successfully tested for compliance with various windstorm and impact resistance requirements for metal buildings. These doors cover the wind load and impact requirements of :
  - State of Florida - Florida Building Code (Test Protocols TAS 201, 202 and 203)
  - Southern Building Code Congress International (SBCCI) - Standard Building Code SSTD 12-99
  - Texas Department of Insurance - (TDI - 98)These tests were done in accordance with the following:
  - ASTM E330-02
    - Structural Performance of Exterior Windows, Curtains Walls and Doors by Uniform Static Air Pressure Difference.
  - ASTM E1996-02
    - Standard Specification for Performance of Exterior Windows, Curtain Walls Doors and Storm Shutters Impacted by Windborne Debris in Hurricanes.
  - ASTM E1886-02
    - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missiles and Exposed to Cyclic Pressure

## STANDARD ACCESSORY PERFORMANCE DATA

Accessory	Size W x H	Frame Type	No. of Panels	Glass Coating	Glass Tinting	Glass Film	Gas Filled	Glass Gap Width	Insulated	U Factor	R Factor	Shading Coefficient	VLT <sup>(b)</sup>	Air Infiltration
3070-M <sup>(f)</sup> Walk Door	3'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	No	0.41	2.44	-	-	1.9 CFM/SF
3070-M <sup>(f)</sup> Walk Door	3'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	Yes	0.67	14.97	-	-	1.9 CFM/SF
3070-G <sup>(a) (f)</sup> Walk Door	3'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	No	0.41	2.44	-	-	1.9 CFM/SF
3070-G <sup>(a) (f)</sup> Walk Door	3'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	Yes	0.67	14.97	-	-	1.9 CFM/SF
4070-M <sup>(f)</sup> Walk Door	4'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	No	0.41	2.44	-	-	1.9 CFM/SF
4070-M <sup>(f)</sup> Walk Door	4'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	Yes	0.67	14.97	-	-	1.9 CFM/SF
4070-G <sup>(a) (f)</sup> Walk Door	4'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	No	0.41	2.44	-	-	1.9 CFM/SF
4070-G <sup>(a) (f)</sup> Walk Door	4'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	Yes	0.67	14.97	-	-	1.9 CFM/SF
6070-M <sup>(f)</sup> Walk Door	6'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	No	0.41	2.44	-	-	1.9 CFM/SF
6070-M <sup>(f)</sup> Walk Door	6'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	Yes	0.67	14.97	-	-	1.9 CFM/SF
6070-G <sup>(a) (f)</sup> Walk Door	6'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	No	0.41	2.44	-	-	1.9 CFM/SF
6070-G <sup>(a) (f)</sup> Walk Door	6'-0 x 7'-0	Metal Kerf	-	-	-	-	-	-	Yes	0.67	14.97	-	-	1.9 CFM/SF

## STANDARD ACCESSORY PERFORMANCE DATA

Accessory	Size W x H	Frame Type	No. of Panels	Glass Coating	Glass Tinting	Glass Film	Gas Filled	Glass Gap Width	Insulated	U Factor	R Factor	Shading Coefficient	VLT <sup>(b)</sup>	Air Infiltration
3030 Horz. Slide Window	3'-0 x 3'-0	Metal	One Clear	-	-	-	-	-	No	1.02 Summer 1.11 Winter	-	1.01 <sup>(d)</sup>	Daylight 90% Solar 85%	-
3030 Horz. Slide Window	3'-0 x 3'-0	Metal	One Bronze	-	-	-	-	-	No	1.08 Summer 1.11 Winter	-	0.85 <sup>(d)</sup>	Daylight 68% Solar 65%	-
4030 Horz. Slide Window	4'-0 x 3'-0	Metal	One Clear	-	-	-	-	-	No	1.02 Summer 1.11 Winter	-	1.01 <sup>(d)</sup>	Daylight 90% Solar 85%	-
4030 Horz. Slide Window	4'-0 x 3'-0	Metal	One Bronze	-	-	-	-	-	No	1.08 Summer 1.11 Winter	-	0.85 <sup>(d)</sup>	Daylight 68% Solar 65%	-
4040 Horz. Slide Window	4'-0 x 4'-0	Metal	One Clear	-	-	-	-	-	No	1.02 Summer 1.11 Winter	-	1.01 <sup>(d)</sup>	Daylight 90% Solar 85%	-
4040 Horz. Slide Window	4'-0 x 4'-0	Metal	One Bronze	-	-	-	-	-	No	1.08 Summer 1.11 Winter	-	0.85 <sup>(d)</sup>	Daylight 68% Solar 65%	-
6030 Horz. Slide Window	6'-0 x 3'-0	Metal	One Clear	-	-	-	-	-	No	1.02 Summer 1.11 Winter	-	1.01 <sup>(d)</sup>	Daylight 90% Solar 85%	-
6030 Horz. Slide Window	6'-0 x 3'-0	Metal	One Bronze	-	-	-	-	-	No	1.08 Summer 1.11 Winter	-	0.85 <sup>(d)</sup>	Daylight 68% Solar 65%	-
2070 Slim Line Window	2'-0 x 7'-0	Metal	One Gray	-	-	-	-	-	No	1.08 Summer 1.11 Winter	-	0.83 <sup>(d)</sup>	Daylight 62% Solar 63%	-
PBR - LTP <sup>(c)</sup>	3'-0 x 10'-8	-	-	-	-	-	-	-	-	1.0 - 1.2	-	-	55 - 60%	-

## STANDARD ACCESSORY PERFORMANCE DATA

Accessory	Size W x H	Frame Type	No. of Panels	Glass Coating	Glass Tinting	Glass Film	Gas Filled	Glass Gap Width	Insulated	U Factor	R Factor	Shading Coefficient	VLT <sup>(b)</sup>	Air Infiltration
PBR - LTP <sup>(c)</sup>	3'-0 x 5'-4	—	—	—	—	—	—	—	—	1.0 - 1.2	—	—	55 - 60%	—
A - LTP <sup>(c)</sup>	3'-0 x 5'-4	—	—	—	—	—	—	—	—	1.0 - 1.2	—	—	55 - 60%	—
BattenLok Std. Acrylic LTP <sup>(c)</sup>	1'-4 x 10'-6	Metal	—	—	—	—	—	—	—	1.0 - 1.2	—	—	—	—
UD/DL Std. Acrylic LTP <sup>(c)</sup>	2'-0 x 10'-6	Metal	—	—	—	—	—	—	—	1.0 - 1.2	—	—	—	—
UD/DL "Acrylite" LTP	2'-0 x 10'-3	Metal	—	—	—	—	—	—	—	—	0.9 - 1.1	—	—	—
Louver Fixed	2'-0 x 2'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Fixed	3'-0 x 2'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Fixed	3'-0 x 3'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Fixed	4'-0 x 3'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Fixed	3'-0 x 4'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Fixed	4'-0 x 4'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Fixed	5'-0 x 4'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Adj.	2'-0 x 2'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Adj.	3'-0 x 2'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Adj.	3'-0 x 3'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Adj.	4'-0 x 3'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Adj.	3'-0 x 4'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Adj.	4'-0 x 4'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—
Louver Adj.	5'-0 x 4'-0	Metal	—	—	—	—	—	—	—	—	—	—	—	—

# STANDARD ACCESSORY PERFORMANCE DATA

## CONTINUOUS TYPE RIDGE VENTILATOR

SIZE	PERFORMANCE DATA	
	VENT ABOVE GROUND	CFM
12" Throat x 10'-0 Long	10'	1764

Assumes 10° Temperature differential and 5 mph wind speed

## ROUND GRAVITY VENTILATOR

Size	CFM Base Rating
20" Throat	712

TABLE A							
Height and Temperature Factors							
HEIGHT IN FEET	Temperature Difference						
	15°	20°	25°	30°	35°	40°	50°
15	.64A	.78A	.84A	.90B	.96B	1.02B	1.10C
20	.76A	.86A	.93B	1.00B	1.07B	1.13C	1.22C
25	.84A	.95B	1.02B	1.10C	1.18C	1.25C	1.34C
30	.91B	1.03B	1.12C	1.20C	1.29C	1.36C	1.47D
35	.97B	1.09B	1.18C	1.27C	1.36C	1.43D	1.55D
40	1.02B	1.15C	1.25C	1.34C	1.43D	1.52D	1.64D
45	1.07B	1.20C	1.30C	1.40C	1.50D	1.58D	1.71D
50	1.11C	1.26C	1.36C	1.46C	1.56D	1.65D	1.78D

TABLE B				
Wind Velocity Factors				
Wind M.P.H.	Factors			
	A	B	C	D
3	1.14	1.09	1.05	1.02
5	1.25	1.18	1.13	1.09
7	1.41	1.29	1.22	1.16
9	1.62	1.43	1.33	1.25
11	1.82	1.57	1.43	1.32

### TO ESTIMATE VENTILATOR CAPACITY:

Determine the height of vent above the air intakes and the "Temperature Difference" between inlet air temperature and outlet air temperature with these two constants find the "Factor" from Table "A". Multiply the base rate C.F.M. by the factor from Table "A". The result is approximate vent capacity at "0" M.P.H. outside wind velocity. Beside the factor in Table "A" is the letter A, B, C or D. This letter refers a factor in Table "B". Multiply vent capacity for "0" M.P.H. wind by appropriate factor from Table "B" for vent capacity under the given wind condition.

### EXAMPLE:

Ventilator Size 20" Throat

Ventilator Height Above Intake 20'-0

Factor From Table "A" is .76A at 15° Temperature Difference

Multiply:  $.76 \times 712 = 541$  CFM at "0" M.P.H.

Using 3 M.P.H. Wind Vent Capacity is  $541 \times 1.14 = 617$  C.F.M.

# STANDARD ACCESSORY PERFORMANCE DATA

## RIDGE LINE COR-A-VENT XL

Size
18" Throat x 10'-0 Long

TABLE A						
Air Movement per Lineal Foot Factors						
HEIGHT IN FEET	Temperature Difference					
	5°	10°	15°	20°	25°	30°
10	16.65 <sub>A</sub>	22.05 <sub>A</sub>	26.10 <sub>A</sub>	28.80 <sub>A</sub>	31.50 <sub>A</sub>	34.20 <sub>A</sub>
15	18.90 <sub>A</sub>	27.00 <sub>A</sub>	31.95 <sub>A</sub>	36.00 <sub>A</sub>	38.70 <sub>A</sub>	41.45 <sub>B</sub>
20	23.85 <sub>A</sub>	31.50 <sub>B</sub>	36.45 <sub>A</sub>	41.40 <sub>A</sub>	44.50 <sub>B</sub>	48.15 <sub>B</sub>
25	26.10 <sub>A</sub>	34.65 <sub>A</sub>	40.05 <sub>A</sub>	45.00 <sub>B</sub>	48.60 <sub>B</sub>	53.10 <sub>C</sub>
30	28.35 <sub>A</sub>	37.35 <sub>A</sub>	43.65 <sub>B</sub>	48.60 <sub>B</sub>	52.65 <sub>C</sub>	57.60 <sub>C</sub>
35	29.70 <sub>A</sub>	39.15 <sub>B</sub>	45.90 <sub>B</sub>	51.30 <sub>B</sub>	55.80 <sub>C</sub>	60.75 <sub>C</sub>
40	31.50 <sub>B</sub>	41.85 <sub>B</sub>	48.60 <sub>B</sub>	54.90 <sub>C</sub>	58.50 <sub>C</sub>	63.45 <sub>C</sub>
45	33.30 <sub>B</sub>	43.20 <sub>B</sub>	50.40 <sub>B</sub>	57.60 <sub>C</sub>	62.10 <sub>C</sub>	66.60 <sub>C</sub>
50	34.65 <sub>B</sub>	45.45 <sub>B</sub>	53.10 <sub>C</sub>	59.85 <sub>C</sub>	64.80 <sub>C</sub>	70.20 <sub>D</sub>

TABLE B				
Wind Velocity Factors				
Wind M.P.H.	Factors			
	A	B	C	D
3	1.14	1.09	1.05	1.02
5	1.25	1.18	1.13	1.09
7	1.41	1.29	1.22	1.16
9	1.62	1.43	1.33	1.25
11	1.82	1.57	1.43	1.32

TOTAL CFM = ( TABLE A ) X ( TABLE B ) X LENGTH