

Performance Data Quick Reference

Fixed Blade Louvers

	JE443	ZE439	ZE445	DE439	DE635	NJE2	NSE1
Product Type	Non-Drainable	Non-Drainable	Non-Drainable	Drainable	Drainable	Non-Drainable	Non-Drainable
Louver Appearance Options	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	Continuous Blade	Continuous Blade	Continuous Blade	Continuous Blade	Continuous Blade	x	x
Material	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5) Frames, Alloy 6061-T6 Blades)
Stationary Blade	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.064" (1.6 mm)	0.125" (3.2 mm)
Frame	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.064" (1.6 mm)	0.064" (1.6 mm)
Louver Depth	4.0" (102 mm)	4.0" (102 mm)	4.0" (102 mm)	4.0" (102 mm)	6.0" (152 mm)	2.0" (51 mm)	1.5" (38 mm)
Blade Angle	43°	39°	45°	39°	35°	30°	29°
Wind Load	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)
Free Area – 48" x 48" (1219 mm x 1219 mm) Unit	7.81 sq. ft. (0.73 sq. m.)	8.83 sq. ft. (0.82 sq. m.)	7.77 sq. ft. (0.72 sq. m.)	8.82 sq. ft. (0.82 sq. m.)	9.21 sq. ft. (0.86 sq. m.)	7.06 sq. ft. (0.66 sq. m.)	11.09 sq. ft. (1.03 sq. m.)
Percent Free Area	48.8%	55.2%	48.6%	55.1%	57.5%	44.1%	69.3%
Free Area Velocity at Beginning Point of Water Penetration (1)	641 FPM (3.26 m/s)	849 FPM (4.31 m/s)	669 FPM (3.40 m/s)	886 FPM (4.50 m/s)	1,233 FPM (6.26 m/s)	380 FPM (1.93 m/s)	N/A

Rainstorm Louvers

	RSE5
Product Type	Drainable
Louver Appearance Options	Standard
	x
Material	Extruded Aluminum (Alloy 6063-T5)
Front Blade	0.081" (2.1 mm)
Frame	0.081" (2.1 mm)
Louver Depth	5.0" (127 mm)
Water Penetration Test	Simulated Rain
Free Area – 48" x 48" (1219 mm x 1219 mm) Unit	6.16 sq. ft. (0.57 sq. m.)
Percent Free Area	38.5%
Ext Wind Velocity	29.1 mph (13 m/s)
Rainfall Rate	2.95"/H (75mL/H)
Effectiveness Ratio	99.73%
Wind Load	25 psf (100 mph)

Penthouse Louvers

	BCDE439	BCDE635	BCJE443	BCZE439	BCZE445	MCDE439	MCDE635	MCJE443	MCZE439	MCZE445
Product Type	Drainable	Drainable	Non-Drainable	Non-Drainable	Non-Drainable	Drainable	Drainable	Non-Drainable	Non-Drainable	Non-Drainable
Louver Appearance Options	Standard	Standard	Standard	Standard	Standard	x	x	x	x	x
	x	x	x	x	x	Continuous Blade	Continuous Blade	Continuous Blade	Continuous Blade	Continuous Blade
Material	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)	Extruded Aluminum (Alloy 6063-T5)
Stationary Blade	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)
Frame	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)	0.081" (2.1 mm)
Louver Depth	4.0" (102 mm)	6.0" (152 mm)	4.0" (102 mm)	4.0" (102 mm)	4.0" (102 mm)	4.0" (102 mm)	6.0" (152 mm)	4.0" (102 mm)	4.0" (102 mm)	4.0" (102 mm)
Blade Angle	39°	35°	43°	39°	45°	39°	35°	43°	39°	45°
Wind Load	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)	25 psf (100 mph)
Penthouse Size	48" x 48" x 48" (1219 mm x 1219 mm x 1219 mm)	48" x 48" x 48" (1219 mm x 1219 mm x 1219 mm)	48" x 48" x 48" (1219 mm x 1219 mm x 1219 mm)	48" x 48" x 48" (1219 mm x 1219 mm x 1219 mm)	48" x 48" x 48" (1219 mm x 1219 mm x 1219 mm)	48" x 48" x 49.438" (1219 mm x 1219 mm x 1256 mm)	48" x 48" x 50.25" (1219 mm x 1219 mm x 1276 mm)	48" x 48" x 50.625" (1219 mm x 1219 mm x 1289 mm)	48" x 48" x 49.438" (1219 mm x 1219 mm x 1256 mm)	48" x 48" x 50.625" (1219 mm x 1219 mm x 1289 mm)
Free Area	35.68 sq. ft. (3.31 sq. m.)	36.83 sq. ft. (3.42 sq. m.)	31.59 sq. ft. (2.94 sq. m.)	35.40 sq. ft. (3.29 sq. m.)	31.84 sq. ft. (2.96 sq. m.)	30.15 sq. ft. (2.80 sq. m.)	32.97 sq. ft. (3.06 sq. m.)	26.33 sq. ft. (2.45 sq. m.)	32.35 sq. ft. (3.01 sq. m.)	27.51 sq. ft. (2.56 sq. m.)
Percent Free Area	55.1%	57.5%	49.4%	55.3%	49.8%	45.2%	49.2%	39.0%	49.1%	40.8%
Free Area Velocity at Beginning Point of Water Penetration (1)	886 FPM (4.50 m/s)	1,223 FPM (6.21 m/s)	641 FPM (3.26 m/s)	849 FPM (4.31 m/s)	669 FPM (3.40 m/s)	886 FPM (4.50 m/s)	1,223 FPM (6.21 m/s)	641 FPM (3.26 m/s)	849 FPM (4.31 m/s)	669 FPM (3.40 m/s)

Ratings do not include the effect of a bird screen. (1) Beginning point of water penetration is defined by AMCA Standard 500-L as the free area velocity at which 0.01 ounces of water per sq. ft. of free area is measured to pass through a 4' x 4' louver during a 15 minute test. Estimated water penetration values for Penthouse Louvers based on Fixed Blade Louvers test results. The ratings shown for the JE443, ZE439, ZE445, DE439 and DE635 are based on tests and procedures performed in accordance with AMCA Publication 500-L.

Performance of louvers manufactured by Price are tested in accordance with AMCA Publication 500-L.