

Sliding systems

PRODUCT OVERVIEW

		Panorama Design sliding systems	
		ASS 77 PD.HI manual	ASS 77 PD.HI
Materials	Material	Aluminium	Aluminium
	Colours/surface finishes	Powder, paint, anodising	Powder, paint, anodising
	Corrosion protection (optional)	Pre-anodising	Pre-anodising
Dimensions/ load-bearing capacities	Vent width in mm	3200	3200
	Ve	3500	3500
	Max. vent weight in kg	500	500
	Face width of interlock section in mm	37	37
	Face width of vent frame in mm	0	0
	Basic depth of outer frame in mm	197/297	197/297
	Basic depth of vent in mm	77	77
	Glass thickness in mm	20–60	20–60
Properties	Wind resistance	Up to class C2/B2	Up to class C3/B3
	Watertightness	Up to class 8A	Up to class 8A
	Sound reduction	Up to 37 dB	Up to 37 dB
	Air permeability	Up to class 4	Up to class 4
	Burglar resistance	Up to RC 2	Up to RC 2
	Thermal insulation U _w	From 0.96 W/(m²K)	From 1.0 W/(m²K)
Operation	Operating forces	Class 1	Class 1
	Operation	Manual	Automatic
	Durability	–	Class 3
	Handle designs	Push bar, vent-height pull grip, lockable pull grip	Button, smartphone, touchscreen
	Smart home-compatible	No	Yes
	Opening types	11	13
Miscellaneous	Zero level threshold	No	No
	Ease of access	No	No
	Can be combined with sun shading system	Yes	Yes
	90° all-glass corner	Yes	No

Sliding and lift-and-slide systems				Folding/sliding systems	
ASE 60 (ASE 60 Design Line)	ASE 60 TT	ASE 80.HI (ASE 80.HI Design Line)	ASE 80.HI TT	ASS 70 FD	ASS 80 FD.HI
Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Powder, paint, anodising	Powder, paint, anodising	Powder, paint, anodising	Powder, paint, anodising	Powder, paint, anodising	Powder, paint, anodising
Pre-anodising	Pre-anodising	Pre-anodising	Pre-anodising	Pre-anodising	Pre-anodising
3200/3500	3200/3500	3200/3500	3200/3500	1200	1200
3500/3200	3500/3200	3500/3200	3500/3200	3000	3000
500	600	500	600	100	100
102 (40)	107	102 (40)	107	120	112
See section detail for ASE 60/ASE 60 Design Line	See section detail for ASE 60.HI TT	See section detail for ASE 80.HI/ASE 80.HI Design Line	See section detail for ASE 80.HI TT	54	50
140/232	140/232	180/292	180/292	80	80
60	60	80	80	70	80
24–40	24–40	36–60	36–60	6–45	13–53
Up to class C5/B5	Up to class C5	Up to class C5/B5	Up to class C5/B5	Up to class C3/B3	Up to class B3/C2
Up to 900 Pa	Up to 900 Pa	Up to 900 Pa	Up to 900 Pa	Up to class 8A/9A	Up to class 8A
Up to 41 dB	–	Up to 43 dB	–	44 dB	44 dB
Class 4	Class 4	Class 4	Class 4	Up to class 3	Up to class 3
RC 2	RC 2	RC 2	RC 2	Up to RC 2	Up to RC 2
From 1.1 W/(m²K)	From 1.1 W/(m²K)	From 0.99 W/(m²K)	From 0.99 W/(m²K)	From 1.6 W/(m²K)	From 1.3 W/(m²K)
Class 1	–	Class 1	–	–	–
Manual	Automatic	Manual	Automatic	Manual	Manual
Class 3	Available on request	Available on request	Available on request	–	–
Handle with or without profile cylinder recess	Button, smartphone, touch-screen	Handle with or without profile cylinder recess	Button, smartphone, touchscreen	Door handle, lever handle, pull handle, window handle	Door handle, lever handle, pull handle, window handle
No	Yes	No	Yes	No	No
20	12	20	12	18	18
Yes	Yes	Yes	Yes	No	No
No	Yes	No	Yes	No	No
Yes	Yes	Yes	Yes	Yes	Yes
Yes	No	Yes	No	No	No



