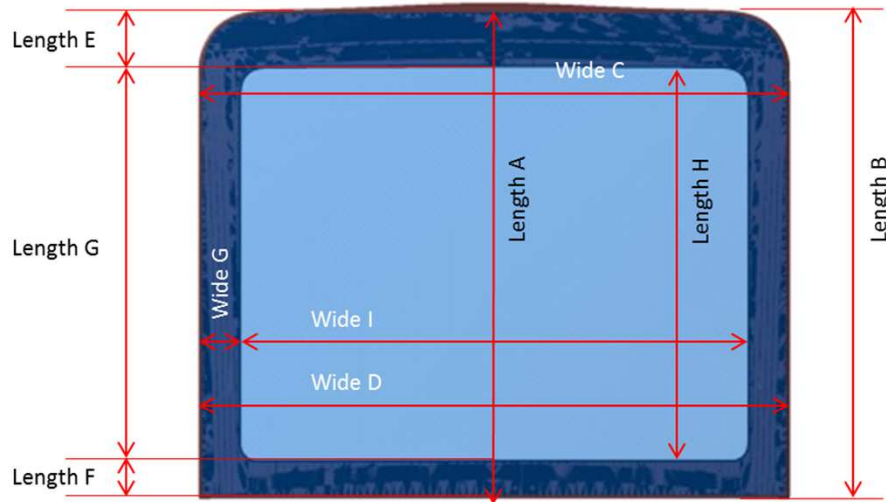


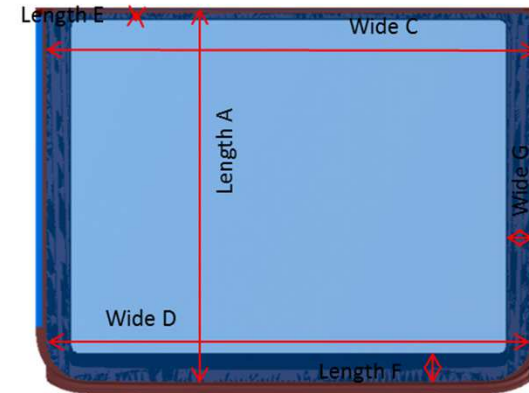
Average panorama sunroof data information

(only for roof systems with toughened glass panels*)



Movable Panel

(1-Panel and 2-Panel Roof Systems)



Fixed Panel

(only rear panel on 2-panel Roof Systems)

Total Panorama Roof System Data				Total			CPA area		
Roof area [m ²]	CPA area [m ²]	See-through area [m ²]		Length A=B [mm]	Wide C=D [mm]	Total area [m ²]	Length E [mm]	Length F [mm]	Wide G [mm]
0,8 <=> 1,4	0,25 <=> 0,4	0,5 <=> 0,85	Movable Panel	450<=>980	800<=>1100	0,4 <=> 0,8	50<=>100	50<=>100	55<=>100
100%	25% <=> 35%	65% <=> 75%	Fixed Panel	400<=>700	750<=>1000	0,3 <=> 0,6	40<=>65	15<=>80	40<=>100
Extremes	50%	50%	Extremes				150-200	200-300	120-150

This data is based on a review of typically used design ranges for the majority of panorama roof systems. No classical tilt-slide systems are herein included.

The CPA dimensions on a top-load panorama roof system (1 or 2-panel) are in average 1,1 to 1,5 times larger than on a bottom-load system.

*: no laminated or foil supported glass is included