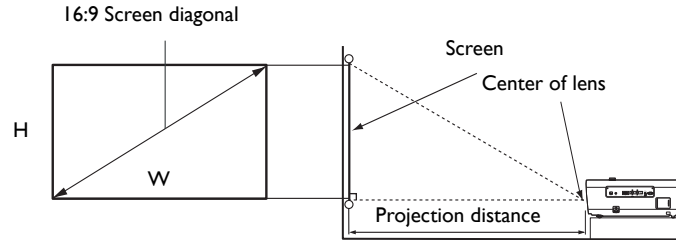


# Obtaining a preferred projected image size

The distance from the projector lens to the screen, the zoom setting, and the video format each factors in the projected image size.

## Projection dimensions



- The screen aspect ratio is 16:9 and the projected picture is in a 16:9 aspect ratio

Screen size				Distance from screen (mm)			Lowest/ Highest Lens position (mm)
Diagonal		H (mm)	W (mm)	Min length	Average	Max length	
Inch	mm			(max. zoom)		(min. zoom)	
80	2032	996	1771	2400	3000	3600	149
90	2286	1121	1992	2700	3375	4050	168
100	2540	1245	2214	3000	3750	4500	187
110	2794	1370	2435	3300	4125	4950	205
120	3048	1494	2657	3600	4500	5400	224
130	3302	1619	2878	3900	4875	5850	243
140	3556	1743	3099	4200	5250	6300	262
150	3810	1868	3321	4500	5625	6750	280
160	4064	1992	3542	4800	6000	7200	299
170	4318	2117	3763	5100	6375	7650	318
180	4572	2241	3985	5400	6750	8100	336
190	4826	2366	4206	5700	7125	8550	355
200	5080	2491	4428	6000	7500	9000	374

For example, if you are using a 120-inch screen, the recommended projection distance is 4500 mm.

If your measured projection distance is 520 cm, the closest match in the "Distance from screen (mm)" column is 5250 mm. Looking across this row shows that a 140" (about 3.6 m) screen is required.



All measurements are approximate and may vary from the actual sizes.

BenQ recommends that if you intend to permanently install the projector, you should physically test the projection size and distance using the actual projector in situ before you permanently install it, so as to make allowance for this projector's optical characteristics. This will help you determine the exact mounting position so that it best suits your installation location.