



Residential Air Conditioning sizing guide

Choose the scenario that best describes the room you wish to cool

	FULL EXPOSURE	MEDIUM EXPOSURE	LOW EXPOSURE	NO EXPOSURE
	- External Walls Exposed to Afternoon Sun/ West facing Room - No Exterior Shade - No Ceiling Insulation - Large windows with No Shading (Curtains or Exterior Awnings) -1 person occupancy per 50 sq.ft	- External Walls North/East facing Room - Some Exterior Shade - Ceiling Insulated at 10 ft -1 person occupancy per 50 sq.ft	- External Walls South facing Room - Shaded Walls - Ceiling Insulated at 10 ft - 4ft windows with Curtains or Exterior Awnings -1 person occupancy per 50 sq.ft	- Internal Room/No external walls -1 person occupancy per 50 sq.ft - Ceiling Insulated at 10ft

Floor Area sq.ft

SPLITS SYSTEMS:- HI-WALL / UNIVERSALLY MOUNTED

100	12,000 Btu	12,000 Btu	12,000 Btu	9,000 Btu
150				
200	18,000 Btu	18,000 Btu		12,000 Btu
250	24,000 Btu		18,000 Btu	18,000 Btu
300		24,000 Btu		
350	36,000 Btu		24,000 Btu	24,000 Btu
400		36,000 Btu		
450				
500			36,000 Btu	36,000 Btu
550	48,000 Btu			
600		48,000 Btu		
650				
700	60,000 Btu		48,000 Btu	48,000 Btu
750				
800		60,000 Btu		
850				
900			60,000 Btu	60,000 Btu
950				
1000				

This guide has been developed to cover most common situations. If unusual or abnormal conditions apply, a heat load calculation or a site survey should be carried out. Irregular shaped rooms may require a combination of units to achieve proper air distribution at the required capacity. Note: Universal 60,000 Btu units require a 3 phase supply. Please contact TMR Sales & Service Ltd. for further information.