

HALOGEN MODULAR HEATERS

SELECTION AND MOUNTING GUIDE PARAMETERS

CALCULATE NUMBER OF UNITS REQUIRED.

SELECT SINGLE OR TWIN UNITS IN CONJUNCTION WITH APPROPRIATE MOUNTING HEIGHT FROM THE HEATED COVERAGE AREA TABLE. IDEAL 4.0M THIS IS RELEVANT TO SIZE AND SHAPE OF AREA TO BE HEATED

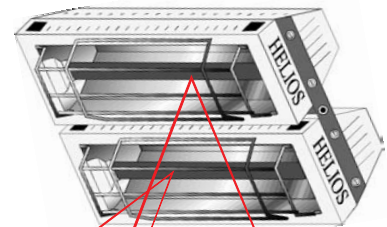
I.E.: FACTORY RECTANGULAR AREA 10M WIDE X 20M LONG MOUNT TWIN UNITS ON OPPOSITE 20M LENGTH WALLS HEIGHT 3.5M. CANTEEN WITH ONLY A 3.0M CEILING HEIGHT SINGLE UNITS ONLY.

MOUNT MINIMUM DISTANCE FROM CEILING AND SIDE WALLS.
SINGLE UNITS = 300MM TWIN UNITS = 500MM

MAJOR AFFECTING FACTOR - AIR MOVEMENT GREATER THAN 0.25M/S COMPENSATE BY INCREASING POWER LOADING BY 50%



APPLICATION	W/M ²	APPLICATION	W/M ²
FACTORIES	175	AIRCRAFT HANGERS	150
LOADING BAYS	150	CHURCHES	110
CANTEENS	200	COMMUNITY HALLS	200
WAREHOUSES	100	SCHOOLS	200



SAMPLE CALCULATION

APPLICATION - FACTORY

AREA TO BE HEATED
20M X 10M = 200M²

POWER LOADING
FROM TABLE = 175W/M²

WATTAGE REQUIRED
200 X 175 = 35,000 WATT

TWIN UNIT = 3,000 WATT

35,000 / 3000 = 11.66

SAY 12 UNITS REQUIRED

MOUNTING HEIGHT	W/M ² SINGLE	W/M ² TWIN	LENGTH	WIDTH	AREA M ²
2.5M	60.6	-	3.3M	7.5M	24.75
3.0M	39.3	78.6	4.1M	9.5M	38.13
3.5M	26.7	53.5	5.0M	11.2M	56.00
4.0M	19.7	39.4	5.8M	13.1M	75.98
4.5M	14.8	29.6	6.7M	15.1M	101.17
5.0M	11.6	23.2	7.6M	17.0M	129.20
5.5M	-	18.8	8.4M	18.9M	158.76

|----- WIDTH -----|

MANUFACTURING PLANTS

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