DESIGN AIDS

SYLVANIA Lighting Calculator

Lighting Calculator

TRANSFER NUMBER
CAVITY RATIO
ZONE CAUTY RATIO
MOUNTING HEIGHT
DIRECT LIGHTING
ROOM RATIO
ROOM RATIO
CEILING HEIGHT

1. Set ROOM NUMBER or ARROW
2. Read TRANSFER NUMBER or LENGTH OF ROOM
3. Set TRANSFER NUMBER or ARROW
4. Read CAVITY RATIO or ZONAL CAUTY RATIO

uni-flo GRILLE AND REGISTER Selector

TYPICAL NOISE LEVELS

INSTRUCTIONS

GENERAL—When permissible grille noise in a limited. When grille noise may be disregarded simply set the natural orifice ratio for the required CFM and grille opening. Then compensate to meet the permissible noise height and surface mounting height. If necessary. The noise height and surface mounting height for a given orifice ratio may be read from the chart provided. A noise height and surface mounting height tabulation is also provided for those cases where only limited information is available. The noise height and surface mounting height are given for a given orifice ratio and are based on the assumption that the grille is located at a distance equal to two times the grille opening. The permissible noise height and surface mounting height are given for a given orifice ratio and are based on the assumption that the grille is located at a distance equal to two times the grille opening.
1. Mears Electric Lighting Calculator, Metric: plastic circular, UK, 1970s(?).
2. Mears Glare Index Calculator, Imperial, plastic circular, UK, 1960s(?).
3. Mears Domestic Central Heating Calculator, Model No.4, Imperial, plastic circular, UK, 1960s(?).
7. Trane Heat Loss Calculator/Baseboard Convectaor Selector, Imperial, cardboard circular on rectangular card, USA, 1956
8. Matthews & Yates, Duct Sizing Charts, Imperial, cardboard rectangular, UK, 1950s(?).
9. Carrier Duct Calculator (Static Regain & Equal Friction Methods), Imperial, cardboard rectangular with multiple slides, USA, 1973. (BMR)
10. Carlyle (Carrier) 36R/36S (Induction) Unit Selector, Imperial, cardboard circular, UK (USA origin), 1960. (BMR)
11. Trane Ductulator (Duct Sizing Calculator), Imperial, cardboard circular on rectangular card, USA, 1960. (BMR)
12. BSI Metric Conversion Slide Rule, plastic rectangular, 1970s. (BMR)
13. Alcon (Solenoid Valves) Metrivarter, plastic rectangular, UK, 1970s(?). (BMR)
16. Daylight Factor Protractors (9-off), BRS, UK, 1941.
17. Daylight Factor Protractors (Nos.5 & 6), BRS, UK, 1950.
18. Daylight Factor Protractors (Nos.7 & 8), BRS, UK, 1946.
23. GEC Visibility Indicator, rect card, USA, 1937(?)
24. GEC/USAAF Anoxia Demonstration Chart, rect card, USA, 1940s(?).
26. Ozonair Filter Selector, cardboard circular, UK, 1960s. (BMR)
27. Airpower (air handling units) Fault Finding Chart, plastic rect, UK, c1978. (BMR)
28. Carlyle (Carrier) Psychrometric Chart, Imperial, plastic rect, UK (USA origin), c1965. (BMR)
29. Trane Psychrometric Chart, Imperial, plastic rect, USA, 1960. (BMR)
30. Camfil Psychrometric Chart/Filter Know-How, Metric, plastic rect, UK 1970s(?). (BMR)
31. Carrier Psychrometric Chart (1921), Imperial, mounted on Lamicoid (mica), USA, 1920/30s.
32. Airpower Psychrometric Chart, Imperial/Metric, plastic rect, UK, c1982. (BMR)
33. Titus Diffuser/Grille Outlet Selector, Imperial, rect cardboard with slides, USA, 1961. (BMR)
34. Pipe-O-Graph, Fittings Resistance Slide Calculator, Imperial, rect cardboard with slides, USA, 1965. (BMR)
35. Sylvania Lighting Calculator, Imperial, rect cardboard with slides, USA, 1970s(?).
36. IAC Acoustics Calculator/Silencer Selector, Metric, rect plastic with slide, UK, 1970s(?). (BMR)
37. Andrews Psychrometric Chart, Metric/Imperial, rect plastic, UK, 1980s(?). (PGY)
38. Carrier miniature Psychrometric Chart & Data Tables, Imperial, in plastic, USA, 1960. (BMR)
39. Airpower Psychrometric Chart, Metric/Imperial, rect plastic, UK, c1978. (BMR)
40. Heating Calculator No.2, Metric, rect cardboard and plastic with slides and steel pointer, Switzerland, 1965.
CIBSE HERITAGE GROUP
ITEMS HELD: CALCULATORS & DESIGN AIDS  BLUE/3 [44]  June 95

41. Heating Calculator No.3, Metric, rect cardboard and plastic with slides and steel pointer, Switzerland, 1966.

42. Biddle Heating/Cooling Air Load Calculator, graph, Imperial, rect plastic, UK, 1964(?).

43. Sigmund Pumps Domestic Heating Small-Bore Calculator, circ plastic, UK., 1960s(?).


45. Airpower Psychrometric Chart, Metric, rect plastic, UK, c1985. (BMR)

46. Andrews Refrigerant Temperature/Pressure Converter, Metric, circ plastic, UK, 1980s(?), (PGY).

47. United Flexible Pipeline Expansion Calculator, Metric, plastic slide rule, UK, c1960, (BMR).


49. Dunham Bush/Webster Pump Data Card, Imperial, plastic, USA, 1972 (BMR).


51. CITB Metric Conversion Tables, booklet, UK, 1970s (BMR).

52. Johnson Controls Valve Sizing Slide Rule & Metric Converter, cardboard slide, (labelled PP Controls, UK), origin USA, 1977, (BMR).

53. Forced Hot Water Pipe Sizing Charts, rect cardboard folder with charts in coloured inks, based on data in USA textbook (Konrad Meir 1912), date unknown.

54. Ibid. Hot Water Gravity Pipe Sizing Charts.

55. Ibid. Low Pressure Steam Pipe Sizing Charts (5 psi).

56. Ibid. High Pressure Steam Pipe Sizing Charts (70 psi).

57. Short & Mason Hygrorule, (humidity slide rule), 1960s(?).

58. Grundfoss slide rule, Denmark(?), 1960s(?).

59. Trane Ruler for Trane Psychrometric Chart (2), Imperial, USA, 1950s.

60. IHVE Hygrometric Data, Imperial, Celluloid Data Cards (2)(2-sets) 1950s(?).
* these items in ring file

61. IHVE Hygrometric Data, Imperial, celluloid data cards, (2), UK, 1950s(?)

62. Waterworks Plumbing "Leaky Pipe Card Game", boxed novelty card game with miniature pipe wrenches, Parker Bros USA, c1975 (BMR).


67* Trane Educational Material, USA, 1956.


69* Trane AHU Computer Program, input form, USA, c1971 (BMR).

70* IHVE Psychrometric Chart 30-130 F, 1950s (BMR).

71* IHVE Hygrometric Nomogram 30-130 F, 1950s (BMR).

72* IHVE Psychrometric Chart, 60-300 F, 1950s (BMR).

73* Carrier Psy Chart, Normal Temperatures, USA, 1946 (BMR).

74* Carrier Psy Chart, High Temperatures, USA, 1946 (BMR).

75* Carrier Psy Chart, Low Temperature, USA, 1946 (BMR).

76* Trane Instructions for Using Psy Chart, USA, 1956 (BMR).

77* Trane Psy Chart 1935 version, USA, c1956 (BMR).

78* Trane Load Estimate Sheet, USA, 1957 (BMR).

79* Trane Radiation Work Sheet, USA, 1958 (BMR).

80* Trane "Rapid Selection of Heating Coils" (chart), USA, c1970 (BMR).