NIH - INDUCTION UNIT SCHEDULE (Note 1)

Unit Designation	Type (Air flow) (note 4)	Primary Air		Coil Cooling Capacity (Note 3) Watts (Btu/h)	Nozzle Pressure kPa (in. wg)	Remarks
		Air Flow L/s (cfm)	Cooling Capacity (note 2) Watts (Btu/h)			
IU - 1	Horizontal	61.3 (130)	824 (2810)	2076 (7082)	0.361 (1.45)	Carrier 36SH4 - K or approved equal (Lab)
IU - 1A	Horizontal	35.4 (75)	475 (1620)	1491 (5086)	0.315 (1.27)	Carrier 36SH3 - J or approved equal (Lab)
IU - 1B	Horizontal	30.7 (65)	412 (1405)	1482 (5056)	0.406 (1.63)	Carrier 36SH3 – H or approved equal (Lab)
IU - 1C	Horizontal	26.0 (55)	348 (1188)	1337 (4561)	0.291 (1.17)	Carrier 36SH3 – H or approved equal (Lab)
IU - 1D	Horizontal	30.7 (65)	412 (1405)	1275 (4352)	0.374 (1.50)	Carrier 36SH2 – J or approved equal (Lab)
IU - 2	Vertical	61.3 (130)	824 (2810)	2364 (8065)	0.625 (2.51)	Carrier 36ST3 – K or approved equal (Lab)
IU - 3	Vertical	28.3 (60)	380 (1296)	1097 (3742)	0.202 (0.81)	Carrier 36SL2 – K or approved equal (Corridor)
IU - 4	Vertical	37.8 (80)	507 (1730)	1271 (4336)	0.359 (1.44)	Carrier 36SL2 – K or approved equal (PCU)
IU - 4A	Vertical	37.8 (80)	507 (1730)	1394 (4756)	0.565 (2.27)	Carrier 36SL2 – J or approved equal (Alt.)

Notes:

1. This Induction Unit Schedule is only intended for the replacement of existing induction units in bldg 10. This is a single coil (cooling/heating), 2-pipe system.
2. Primary air cooling capacity is based on 11°C (20°F) temperature rise from 13°C (55°F) primary supply air temperature.
3. Coil capacity rating shall be in accordance with ARI 445-87 and based on 14°C (25°F) delta T (Trm – Tew), 0.094 L/s(1.5 gpm) of 10°C (50°F) chilled water, 24kPa (8 ft) water pressure drop through the coil, and return air temperature of 24°C (75°F) db and 14°C (57°F) wb.
4. All pipe connections shall be 13 mm (0.5 in.). All pipe run-outs shall be 19 mm (0.75 in.)