

HEAT TRANSFER

1. Room C's TSA, made of Timber, alder, if inside is 71°F and outside is 73°F?
2. Room A's Wall #3, made of Cellulose, cotton, wood pulp, if inside is 83°F and outside is 81°F?
3. Room B's Wall #1, made of Timber, alder, if inside is 58°F and outside is 64°F?
4. Room A's TSA, made of Hardwoods (oak, maple..), if inside is 62°F and outside is 59°F?
5. Room A's Floor, made of Slag wool, if inside is 56°F and outside is 22°F?
6. Room B's Wall #2, made of Wood across the grain, white pine, if inside is 73°F and outside is 86°F?
7. Room A's TSA, made of Wood across the grain, white pine, if inside is 74°F and outside is 104°F?
8. Room B's Floor, made of Mineral wool insulation materials, if inside is 62°F and outside is 27°F?
9. Room B's TSA, made of Ground or soil, dry area, if inside is 76°F and outside is 45°F?
10. Room C's TSA, made of Rubber, cellular, if inside is 76°F and outside is 22°F?

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11. Room A's Wall #4, made of Fiberglass, if inside is 55°F and outside is 15°F?
12. Room C's Wall #4, made of Timber, white pine, if inside is 71°F and outside is 72°F?
13. Room A's Floor, made of Asbestos-cement board, if inside is 77°F and outside is 45°F?
14. Room B's Wall #1, made of Asphalt, if inside is 71°F and outside is 29°F?
15. Room C's TSA, made of Urethane foam, if inside is 72°F and outside is 51°F?
16. Room C's Wall #4, made of Timber, maple, if inside is 67°F and outside is 20°F?
17. Room B's Floor, made of Plaster, metal lath, if inside is 55°F and outside is 44°F?
18. Room B's Wall #1, made of Plastics, foamed , if inside is 77°F and outside is 62°F?
19. Room B's Wall #3, made of Asphalt, if inside is 66°F and outside is 78°F?
20. Room C's Ceiling, made of Wood, oak, if inside is 63°F and outside is 22°F?

GEO THERMAL PUMP

1. Water, sea 36oF cycle, 1373 (lb/hr) flowrate, outside is 66°F, inside 89°F?
2. Hexane cycle, 898 (lb/hr) flowrate, outside is 67°F, inside 54°F?
3. Acetone cycle, 759 (lb/hr) flowrate, outside is 58°F, inside 40°F?
4. Ethylene glycol cycle, 521 (lb/hr) flowrate, outside is 56°F, inside 56°F?
5. Ethylene glycol cycle, 1027 (lb/hr) flowrate, outside is 71°F, inside 73°F?
6. Ethyl ether cycle, 693 (lb/hr) flowrate, outside is 68°F, inside 86°F?
7. Acetone cycle, 1318 (lb/hr) flowrate, outside is 50°F, inside 53°F?
8. Carbon Tetrachloride cycle, 1087 (lb/hr) flowrate, outside is 54°F, inside 69°F?
9. Ethyl ether cycle, 1318 (lb/hr) flowrate, outside is 67°F, inside 40°F?
10. Ethyl ether cycle, 1347 (lb/hr) flowrate, outside is 76°F, inside 45°F?

GEOTHERMAL PUMP

11. n-Butane, 32oF cycle, 924 (lb/hr) flowrate, outside is 64°F, inside 75°F?
12. Ammonia, 176oF cycle, 961 (lb/hr) flowrate, outside is 64°F, inside 89°F?
13. Water, fresh cycle, 841 (lb/hr) flowrate, outside is 90°F, inside 79°F?
14. Ammonia, 176oF cycle, 1017 (lb/hr) flowrate, outside is 85°F, inside 65°F?
15. n-Butane, 32oF cycle, 920 (lb/hr) flowrate, outside is 88°F, inside 43°F?
16. Methyl Alcohol cycle, 1326 (lb/hr) flowrate, outside is 88°F, inside 59°F?
17. Water, sea 36oF cycle, 946 (lb/hr) flowrate, outside is 82°F, inside 82°F?
18. Calcium Chloride cycle, 1137 (lb/hr) flowrate, outside is 49°F, inside 71°F?
19. n-Butane, 32oF cycle, 675 (lb/hr) flowrate, outside is 44°F, inside 49°F?
20. Ethyl ether cycle, 646 (lb/hr) flowrate, outside is 43°F, inside 66°F?