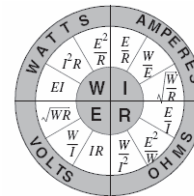


TECHNICAL REFERENCES

TDCF01

| MULTIPLY | BY | TO OBTAIN | MULTIPLY | BY | TO OBTAIN | MULTIPLY | BY | TO OBTAIN |
|-------------------------------|------------------------|-------------------|-------------------------------|----------|-----------------|------------------------------|----------|-----------------|
| Atmospheres (Std.) | | | Foot-pounds | 0.001286 | BTU | Pounds of water | 0.01602 | Cubic Feet |
| 760 MM of Mercury | | | Gallons | 3785 | Cu. centimeters | Pounds of water | 27.68 | Cubic Inches |
| at 32°F..... | 14.696 | Lbs./sq.inch | Gallons | 0.1337 | Cubic Feet | Pounds of water | 0.1198 | Gallons |
| Atmospheres | 76.0 | Cms. of mercury | Gallons | 231 | Cubic inches | Pounds/sq. foot | 0.01602 | Feet of water |
| Atmospheres | 29.92 | In. of mercury | Gallons | 128 | Fluid ounces | Pounds/sq. foot | 0.006945 | Pounds/sq. inch |
| Atmospheres | 33.90 | Feet of water | Gallons | 3.785 | Liters | Pounds/sq. inch | 0.06804 | Atmospheres |
| Atmospheres | 1.0333 | Kgs./sq. cm | Gallons-water | 8.35 | Lbs. water/60°F | Pounds/sq. inch | 2.307 | Feet of water |
| Atmospheres | 14.70 | Lbs./sq. inch | Horse-power | 42.44 | BTU/min | Pounds/sq. inch | 2.036 | In. of mercury |
| Atmospheres | 1.058 | Tons/sq. ft | Horse-power | 33,000 | Foot-lbs/min | Pounds/sq. inch | 27.68 | Inches of water |
| Brit. Therm. Units ... | 0.2520 | Kilogram-calories | Horse-power | 550 | Foot-lbs/sec | Temp. (°C.) +273 | 1 | Abs. temp (°C) |
| Brit. Therm. Units | 777.5 | Foot-lbs | Horse-power | 0.7457 | Kilowatts | Temp. (°C.) +17.78 | 1.8 | Temp (° F) |
| Brit. Therm. Units | 0.000393 | Horse-power-hrs | Horse-power | 745.7 | Watts | Temp. (°F.) +460 | 1 | Abs. temp (° F) |
| Brit. Therm. Units | 0.293 | Watt-hrs | Horse-power(boiler) .. | 33,479 | BTU/hr | Temp. (°F.) -32 | 5/9 | Temp (° C) |
| BTU/min | 12.96 | Foot-lbs./sec | Horse-power (boiler) | 9.803 | Kilowatts | Therm | 100,000 | BTU |
| BTU/min | 0.02356 | Horse-power | Horse-power-hours .. | 2547 | BTU | Tons(long) | 2240 | Pounds |
| BTU/min | 0.01757 | Kilowatts | Horse-power-hours | 0.7457 | Kilowatt-hours | Ton, Refrigeration .. | 12,000 | BTU/hr |
| BTU/min | 17.57 | Watts | Inches | 2,540 | Centimeters | Tons (short) | 2000 | Pounds |
| Calorie | 0.003968 | BTU | Inches | 25.4 | Millimeters | Watts | 3.415 | BTU |
| Centimeters | 0.3937 | Inches | Inches | 0.0254 | Meters | Watts | 0.05692 | BTU/min |
| Centimeters | 0.03280 | Feet | Inches | 0.0833 | Foot | Watts | 44.26 | Foot-pounds/min |
| Centimeters | 0.01 | Meters | Inches of mercury ... | 0.03342 | Atmospheres | Watts | 0.7376 | Foot-pounds/sec |
| Centimeters | 10 | Millimeters | Inches of mercury | 1.133 | Feet of Water | Watts | 0.001341 | Horse-power |
| Centmtrs. of Merc. .. | 0.01316 | Atmospheres | Inches of mercury | 13.57 | Inches of water | Watts | 0.001 | Kilowatts |
| Centimtrs. of Merc | 0.4461 | Feet of Water | Inches of mercury | 70.73 | Lbs./sq. ft | Watt-hours | 3.415 | BTU/hr |
| Centimtrs. of Merc | 136.0 | Kgs./sq. meter | Inches of mercury | 0.4912 | Lbs./sq. inch | Watt-hours | 2.655 | Foot-pounds |
| Centimtrs. of Merc | 27.85 | Lbs./sq.ft | Inches of water | 0.002458 | Atmospheres | Watt-hours | 0.001341 | Horse-power hrs |
| Centimtrs. of Merc | 0.1934 | Lbs./sq. inch | Inches of water | 0.07355 | In. of mercury | Watt-hours | 0.001 | Kilowatt-hours |
| Cubic Feet | 2.832x10 ⁻⁴ | Cubic cms | Inches of water | 0.5781 | Ounces/sq. inch | | | |
| Cubic Feet | 1728 | Cubic inches | Inches of water | 5.202 | Lbs./sq. foot | | | |
| Cubic Feet | 0.02832 | Cubic meters | Inches of water | 0.03613 | Lbs/sq. inch | | | |
| Cubic Feet | 0.03704 | Cubic yards | Kilowatts | 56.92 | BTU/min | | | |
| Cubic Feet | 7.48052 | Gallons U.S. | Kilowatts | 1.341 | Horse-power | | | |
| Cubic Feet/minute .. | 472.0 | Cubic cms./sec | Kilowatts | 1000 | Watts | | | |
| Cubic Feet/minute | 0.1247 | Gallons/sec | Kilowatt-hours | 3415 | BTU | | | |
| Cubic foot water | 62.4 | Pounds @ 60° F. | Liters | 0.2642 | Gallons | | | |
| Feet | 30.48 | Centimeters | Liters | 2.113 | Pints (liq.) | | | |
| Feet | 12 | Inches | Liters | 1.057 | Quarts (liq.) | | | |
| Feet | 0.3048 | Meters | Meters | 100 | Centimeters | | | |
| Feet | 1/3 | Yards | Meters | 3.281 | Feet | | | |
| Feet of water | 0.02950 | Atmospheres | Meters | 39.37 | Inches | | | |
| Feet of water | 0.8826 | Inches of mercury | Meters | 1000 | Millimeters | | | |
| Feet of water | 0.03048 | Kgs./sq. cm | Meters | 1.094 | Yards | | | |
| Feet of water | 62.43 | Lbs./sq.ft | Ounces (fluid) | 1.805 | Cubic Inches | | | |
| Feet of water | 0.4335 | Lbs./sq. inch | Ounces (fluid) | 0.02957 | Liters | | | |
| Feet/min | 0.5080 | Centimeters/sec | Ounces/sq. Inch ... | 0.0625 | Lbs./sq. inch | | | |
| Feet/min | 0.01667 | Feet/sec | Ounces/sq.inch | 1.73 | Inches of water | | | |
| Feet/min | 0.01829 | Kilometers/hr | Pints | 0.4732 | Liter | | | |
| Feet/min | 0.3048 | Meters/min | Pounds (avoir.) | 16 | Ounces | | | |
| Feet/min | 0.01136 | Miles/hr | | | | | | |

OHMS LAW EQUATION WHEEL



This "wheel" shows the equation for calculating any one of the basic factors of electricity – Watts (W), Amperes (I), Volts (E) or Ohms (R) – when any two of these factors are known. The elements to be calculated are shown on the rim of the wheel. Each quadrant shows three equations for solving the unknown; select the

$$\frac{W}{E} = I \text{ - or: } 2400W / 240V = 10 \text{ Amps}$$

equation appropriate for the known values.

Example: A 2400 Watt heater is connected to a 240 Volt circuit. How many Amps does it draw?

Solution: Since we are finding amps, the formula will be found in the I (Amperes) section of the wheel. What is the Resistance?

$$\frac{E^2}{W} = R \text{ - or: } 240V \times 240V / 2400W = 24 \text{ Ohms}$$

CONVERSION TABLE FOR WATTS - AMPERES - VOLTS

| WATTS | VOLTAGE (AC -Single Phase) | | | |
|---------|----------------------------|------|------|------|
| | 120 | 208 | 240 | 277 |
| AMPERES | | | | |
| 500 | 4.2 | 2.4 | 2.1 | 1.8 |
| 1000 | 8.3 | 4.8 | 4.2 | 3.6 |
| 1500 | 12.5 | 7.2 | 6.3 | 5.4 |
| 2000 | 16.7 | 9.6 | 8.3 | 7.2 |
| 2500 | 20.9 | 12.0 | 10.4 | 9.0 |
| 3000 | 25.0 | 14.4 | 12.5 | 10.8 |
| 3500 | 29.2 | 16.8 | 14.6 | 12.6 |

HOW TO DETERMINE SIZE AND SPEED OF PULLEYS OR GEARS

The Driving Pulley is called the Driver and the Driven Pulley the Driven

To determine the diameter of Driver, the diameter of the Driven and its revolutions, and also revolutions of the Driver being given:

$$\frac{\text{Diam. of Driven} \times \text{revolutions of Driven}}{\text{Revolutions of Driver}} = \text{Diam. of Driver}$$

To determine the diameter of Driven, the Revolutions of the Driven and diameter, and revolutions of the driver being given:

$$\frac{\text{Diam. of Driver} \times \text{revolutions of Driver}}{\text{Revolutions of Driven}} = \text{Diam. of Driven}$$

To determine the revolutions of Driver, the diameter and revolutions of the Driven, and diameter of the Driver being given

$$\frac{\text{Diam of Driven} \times \text{revolutions of Driven}}{\text{Diameter of Driver}} = \text{Rev. of Driver}$$

To determine the revolutions of Driven, the diameter and revolutions of the Driver, and diameter of the Driven being given:

$$\frac{\text{Diam of Driver} \times \text{revolutions of Driver}}{\text{Diameter of Driven}} = \text{Rev. of Driven}$$

TO FIND OD BELT LENGTH: OD OF SMALL PULLEY + OD OF LARGE PULLEY x 1.57 + TWICE SHAFT CENTERS = OD BELT LENGTH

REFRIGERANT PRESSURE TEMPERATURE

| PSIG | TEMPERATURE, °F | | | | | | | | | | | | |
|------|-----------------|-----|------|--------------|--------------|--------------|----------------|---------------------|---------------|---------------|-----|-----|------|
| | REFRIGERANT | | | | | | | | | | | | |
| | 12 | 22 | 134a | MP39 401A | HP80 402A | HP62 404A | KLEA60 407A | 9000 KLEA66 407C | FX-10 408A | FX-56 409A | 502 | 507 | 410A |
| 5* | -38 | -56 | -31 | -32 | -67 | -65 | -52 | -48 | -62 | -30 | -65 | -66 | - |
| 4* | -34 | -53 | -27 | -28 | -64 | -62 | -49 | -45 | -58 | -27 | -61 | -63 | - |
| 3* | -31 | -50 | -24 | -25 | -61 | -59 | -46 | -42 | -55 | -23 | -58 | -60 | - |
| 2* | -28 | -47 | -21 | -22 | -58 | -56 | -43 | -39 | -52 | -20 | -55 | -57 | - |
| 1* | -24 | -44 | -18 | -19 | -55 | -53 | -41 | -36 | -49 | -17 | -52 | -55 | - |
| 0 | -22 | -41 | -15 | -16 | -53 | -51 | -38 | -34 | -47 | -15 | -50 | -52 | - |
| 1 | -19 | -39 | -12 | -13 | -50 | -48 | -36 | -31 | -44 | -12 | -47 | -50 | -60 |
| 2 | -16 | -36 | -10 | -11 | -48 | -46 | -33 | -29 | -42 | -9 | -45 | -47 | -55 |
| 3 | -14 | -34 | -8 | -9 | -45 | -43 | -31 | -27 | -39 | -7 | -42 | -45 | -53 |
| 4 | -11 | -32 | -5 | -6 | -43 | -41 | -29 | -24 | -37 | -5 | -40 | -43 | -50 |
| 5 | -9 | -30 | -3 | -4 | -41 | -39 | -27 | -22 | -35 | -2 | -38 | -41 | -50 |
| 6 | -7 | -28 | -1 | -2 | -39 | -37 | -25 | -20 | -33 | 0 | -36 | -39 | -48 |
| 7 | -4 | -26 | 1 | 0 | -37 | -35 | -23 | -18 | -31 | 2 | -34 | -37 | -45 |
| 8 | -2 | -24 | 3 | 2 | -36 | -34 | -21 | -17 | -29 | 4 | -32 | -35 | -44 |
| 9 | 0 | -22 | 5 | 4 | -34 | -32 | -20 | -15 | -27 | 6 | -30 | -34 | -42 |
| 10 | 2 | -20 | 7 | 6 | -32 | -30 | -18 | -13 | -26 | 8 | -29 | -32 | -40 |
| 11 | 4 | -19 | 8 | 8 | -30 | -28 | -16 | -12 | -24 | 9 | -27 | -30 | -40 |
| 12 | 5 | -17 | 10 | 9 | -29 | -27 | -15 | -10 | -22 | 11 | -25 | -29 | -38 |
| 13 | 7 | -15 | 12 | 11 | -27 | -25 | -13 | -8 | -21 | 13 | -24 | -27 | -36 |
| 14 | 9 | -14 | 13 | 13 | -26 | -23 | -12 | -7 | -19 | 14 | -22 | -25 | -35 |
| 15 | 11 | -12 | 15 | 14 | -24 | -22 | -10 | -5 | -18 | 16 | -20 | -24 | -34 |
| 16 | 12 | -11 | 16 | 16 | -23 | -20 | -9 | -4 | -16 | 18 | -19 | -23 | -32 |
| 17 | 14 | -9 | 18 | 17 | -21 | -19 | -8 | -3 | -15 | 19 | -18 | -21 | -30 |
| 18 | 16 | -8 | 19 | 19 | -20 | -18 | -6 | -1 | -13 | 21 | -16 | -20 | -30 |
| 19 | 17 | -7 | 21 | 20 | -19 | -16 | -5 | 0 | -12 | 22 | -15 | -18 | -28 |
| 20 | 19 | -5 | 22 | 21 | -17 | -15 | -4 | 1 | -11 | 23 | -13 | -17 | -27 |
| 21 | 20 | -4 | 24 | 23 | -16 | -14 | -2 | 3 | -9 | 25 | -12 | -16 | -25 |
| 22 | 21 | -3 | 25 | 24 | -15 | -12 | -1 | 4 | -8 | 26 | -11 | -15 | -24 |
| 23 | 23 | -1 | 26 | 25 | -14 | -11 | 0 | 5 | -7 | 27 | -9 | -13 | -23 |
| 24 | 24 | 0 | 27 | 27 | -12 | -10 | 1 | 6 | -5 | 29 | -8 | -12 | -22 |
| 25 | 26 | 1 | 29 | 28 | -11 | -9 | 2 | 8 | -4 | 30 | -7 | -11 | -21 |
| 26 | 27 | 2 | 30 | 29 | -10 | -8 | 4 | 9 | -3 | 31 | -6 | -10 | -20 |
| 27 | 28 | 4 | 31 | 30 | -9 | -6 | 5 | 10 | -2 | 32 | -5 | -9 | -19 |
| 28 | 30 | 5 | 32 | 32 | -8 | -5 | 6 | 11 | -1 | 34 | -3 | -8 | -18 |
| 29 | 31 | 6 | 33 | 33 | -7 | -4 | 7 | 12 | 0 | 35 | -2 | -6 | -17 |
| 30 | 32 | 7 | 35 | 34 | -6 | -3 | 8 | 13 | 1 | 36 | -1 | -5 | -16 |
| 31 | 33 | 8 | 36 | 35 | -5 | -2 | 9 | 14 | 3 | 37 | 0 | -4 | -15 |
| 32 | 34 | 9 | 37 | 36 | -4 | -1 | 10 | 15 | 4 | 38 | 1 | -3 | -14 |
| 33 | 36 | 10 | 38 | 37 | -2 | 0 | 11 | 16 | 5 | 39 | 2 | -2 | -13 |
| 34 | 37 | 11 | 39 | 38 | -1 | 1 | 12 | 17 | 6 | 40 | 3 | -1 | -12 |
| 35 | 38 | 12 | 40 | 39 | 0 | 2 | 13 | 18 | 7 | 41 | 4 | 0 | -11 |
| 36 | 39 | 13 | 41 | 40 30 | 0 | 3 | 14 | 19 | 8 | 42 | 5 | 1 | -10 |
| 37 | 40 | 14 | 42 | 41 31 | 1 | 4 | 15 | 20 | 9 | 44 | 6 | 2 | -9 |
| 38 | 41 | 15 | 43 | 43 32 | 2 | 5 | 16 | 21 | 10 | 45 30 | 7 | 3 | -8 |
| 39 | 42 | 16 | 44 | 44 33 | 3 | 6 | 17 | 22 | 11 | 46 31 | 8 | 4 | -8 |
| 40 | 43 | 17 | 45 | 44 34 | 4 | 8 | 18 | 23 | 12 | 47 32 | 9 | 5 | -7 |
| 42 | 45 | 19 | 47 | 46 36 | 6 | 10 | 19 | 25 | 13 | 48 34 | 11 | 6 | -5 |
| 44 | 47 | 21 | 49 | 48 38 | 8 | 11 | 21 | 26 | 15 | 50 36 | 13 | 8 | -3 |
| 46 | 49 | 23 | 51 | 50 40 | 10 | 13 | 23 | 28 | 17 | 51 38 | 15 | 10 | -2 |
| 48 | 51 | 24 | 52 | 51 42 | 11 | 14 | 24 | 30 | 19 | 52 39 | 16 | 12 | 0 |
| 50 | 53 | 26 | 54 | 53 44 | 13 | 16 | 26 | 31 | 20 | 53 41 | 18 | 13 | 1 |
| 52 | 55 | 28 | 56 | 55 45 | 14 | 17 | 28 | 33 | 22 | 54 43 | 20 | 15 | 3 |
| 54 | 57 | 29 | 57 | 57 47 | 16 | 19 | 29 | 34 | 24 | 55 45 | 21 | 16 | 4 |
| 56 | 59 | 31 | 59 | 59 49 | 18 | 20 | 31 | 36 | 25 | 56 46 | 23 | 18 | 6 |
| 58 | 60 | 32 | 60 | 60 50 | 19 | 22 | 32 | 37 | 27 | 57 48 | 24 | 19 | 7 |
| 60 | 62 | 34 | 62 | 62 52 | 20 | 23 | 33 | 39 | 28 | 58 50 | 26 | 21 | 9 |
| 62 | 64 | 35 | 64 | 64 53 | 22 | 25 | 35 | 40 | 30 | 59 51 | 27 | 22 | 10 |
| 64 | 65 | 37 | 65 | 65 55 | 23 | 26 | 36 | 42 | 30 | 60 53 | 29 | 24 | 11 |
| 66 | 67 | 38 | 66 | 66 56 | 25 | 27 | 38 | 43 | 32 | 61 54 | 30 | 25 | 13 |
| 68 | 68 | 40 | 68 | 68 58 | 26 | 29 | 39 | 44 | 33 | 62 56 | 32 | 27 | 14 |
| 70 | 70 | 41 | 69 | 69 59 | 27 | 30 29 | 40 30 | 46 | 34 | 63 57 | 33 | 28 | 15 |
| 72 | 71 | 42 | 71 | 71 61 | 29 | 32 31 | 41 31 | 47 | 36 | 64 58 | 34 | 29 | 16 |
| 74 | 73 | 44 | 72 | 72 62 | 30 | 33 32 | 43 32 | 48 | 37 | 65 60 | 36 | 30 | 17 |
| 76 | 74 | 45 | 73 | 73 64 | 31 | 34 33 | 44 34 | 49 | 38 | 66 61 | 37 | 32 | 19 |
| 78 | 76 | 46 | 75 | 75 65 | 32 30 | 35 34 | 45 35 | 51 | 39 | 67 63 | 38 | 33 | 20 |

REFRIGERANT PRESSURE TEMPERATURE

| PSIG | TEMPERATURE, °F | | | | | | | | | | | | | |
|------|-----------------|-----|------|--------------|--------------|--------------|----------------|---------------------|---------------|---------------|-----|-----|------|--|
| | REFRIGERANT | | | | | | | | | | | | | |
| | 12 | 22 | 134a | MP39 401A | HP80 402A | HP62 404A | KLEA60 407A | 9000 KLEA66 407C | FX-10 408A | FX-56 409A | 502 | 507 | 410A | |
| 80 | 77 | 47 | 76 | 66 | 34 31 | 37 36 | 46 36 | 41 | 42 41 | 64 | 40 | 34 | 21 | |
| 85 | 81 | 51 | 79 | 69 | 37 34 | 40 39 | 49 39 | 44 | 45 44 | 67 | 43 | 37 | 23 | |
| 90 | 84 | 53 | 82 | 73 | 40 37 | 42 42 | 52 42 | 46 | 48 47 | 70 | 46 | 40 | 26 | |
| 95 | 87 | 56 | 85 | 76 | 42 40 | 45 44 | 45 | 49 | 50 50 | 73 | 49 | 43 | 29 | |
| 100 | 90 | 59 | 88 | 78 | 45 43 | 48 47 | 47 | 52 | 52 | 76 | 51 | 46 | 31 | |
| 105 | 93 | 62 | 90 | 81 | 48 55 | 51 50 | 50 | 54 | 55 | 79 | 54 | 48 | 34 | |
| 110 | 96 | 64 | 93 | 84 | 50 48 | 52 | 53 | 57 | 57 | 82 | 57 | 51 | 36 | |
| 115 | 99 | 67 | 96 | 87 | 50 | 55 | 55 | 59 | 60 | 84 | 59 | 53 | 39 | |
| 120 | 102 | 69 | 98 | 89 | 53 | 57 | 57 | 62 | 62 | 87 | 62 | 56 | 41 | |
| 125 | 104 | 72 | 100 | 92 | 55 | 59 | 60 | 64 | 65 | 89 | 64 | 58 | 43 | |
| 130 | 107 | 74 | 103 | 94 | 57 | 62 | 62 | 66 | 67 | 92 | 67 | 60 | 45 | |
| 135 | 109 | 76 | 105 | 96 | 60 | 64 | 64 | 69 | 69 | 94 | 69 | 62 | 47 | |
| 140 | 112 | 78 | 107 | 99 | 62 | 66 | 66 | 71 | 71 | 96 | 71 | 64 | 49 | |
| 145 | 114 | 81 | 109 | 101 | 64 | 68 | 68 | 73 | 73 | 99 | 73 | 67 | 51 | |
| 150 | 117 | 83 | 112 | 103 | 66 | 70 | 70 | 75 | 76 | 101 | 75 | 69 | 53 | |
| 155 | 119 | 85 | 114 | 105 | 68 | 72 | 72 | 77 | 78 | 103 | 77 | 71 | 55 | |
| 160 | 121 | 87 | 116 | 108 | 70 | 74 | 74 | 79 | 80 | 105 | 80 | 73 | 57 | |
| 165 | 123 | 89 | 118 | 110 | 72 | 76 | 76 | 81 | 81 | 107 | 82 | 74 | 59 | |
| 170 | 126 | 91 | 120 | 112 | 74 | 78 | 78 | 82 | 83 | 109 | 83 | 76 | 60 | |
| 175 | 128 | 92 | 121 | 114 | 75 | 80 | 80 | 84 | 85 | 111 | 85 | 78 | 61 | |
| 180 | 130 | 94 | 123 | 116 | 77 | 82 | 81 | 86 | 87 | 113 | 87 | 80 | 63 | |
| 185 | 132 | 96 | 125 | 117 | 79 | 83 | 83 | 88 | 89 | 115 | 89 | 82 | 65 | |
| 190 | 134 | 98 | 127 | 119 | 81 | 85 | 85 | 90 | 91 | 117 | 91 | 83 | 67 | |
| 195 | 136 | 100 | 129 | 121 | 82 | 87 | 87 | 91 | 92 | 119 | 93 | 85 | 68 | |
| 200 | 138 | 101 | 130 | 123 | 84 | 88 | 88 | 93 | 94 | 121 | 95 | 87 | 69 | |
| 205 | 140 | 103 | 132 | 125 | 86 | 90 | 90 | 95 | 96 | 123 | 96 | 88 | 71 | |
| 210 | 141 | 105 | 134 | 126 | 87 | 92 | 91 | 96 | 97 | 124 | 98 | 90 | 73 | |
| 220 | 145 | 108 | 137 | 130 | 91 | 95 | 94 | 99 | 100 | 128 | 101 | 93 | 75 | |
| 230 | 149 | 111 | 140 | 133 | 94 | 98 | 97 | 102 | 104 | 131 | 104 | 96 | 79 | |
| 240 | 152 | 114 | 143 | 136 | 97 | 101 | 100 | 105 | 106 | 134 | 108 | 99 | 81 | |
| 250 | 155 | 117 | 146 | 139 | 99 | 104 | 103 | 108 | 109 | 137 | 111 | 102 | 84 | |
| 260 | 159 | 120 | 149 | 143 | 102 | 107 | 106 | 111 | 112 | 141 | 114 | 105 | 87 | |
| 275 | 163 | 124 | 153 | 147 | 106 | 111 | 110 | 115 | 116 | 145 | 118 | 109 | 90 | |
| 290 | 168 | 128 | 157 | 151 | 110 | 115 | 114 | 119 | 120 | 149 | 122 | 112 | 93 | |
| 305 | 172 | 132 | 161 | 155 | 114 | 118 | 117 | 123 | 124 | 153 | 126 | 116 | 97 | |
| 320 | 176 | 136 | 165 | 159 | 118 | 122 | 121 | 126 | 128 | 157 | 130 | 120 | 101 | |
| 335 | 181 | 139 | 169 | 163 | 121 | 125 | 124 | 130 | 131 | 161 | 133 | 123 | 103 | |
| 350 | 184 | 143 | 172 | 167 | 124 | 129 | 128 | 133 | 135 | 165 | 137 | 126 | 107 | |
| 365 | 188 | 146 | 176 | 170 | 128 | 132 | 131 | 137 | 138 | 169 | 141 | 129 | 110 | |