

TUMBLE DRYERS

TTD 20 · 28 · 40 · 60 · 110



STANDARD FEATURES & BENEFITS

- Industrial tumble dryer
- Stainless steel drum for long life and to avoid corrosion
- Fully insulated, energy-saving drum
- Reversing drum for efficient drying of large items
- Wide hatch sliding doors for easy loading & unloading with window
- Large and easily accessible and removable stainless steel filter with window for visual management
- Hinged lint filter door for easy opening & cleaning
- Flexible and freely programmable control with large display for easy operation and perfect management of your laundry business
- Clear status light indication for easy and quick visual management
- Adjustable feet (fixed on TTD 110)
- Forward tilting on TTD 110 for easy unloading
- Sprinkler device for fire suppression on all gas tumblers
- Sail switch on all models for efficient drying
- Electric solenoid valve on TTD 20 · 28 · 40 · 60
- Pneumatic steam valve on TTD 110
- Fresh air intake flap for cool down on TTD 110 steam
- Standard Inverter drive

OPTIONS

- Residual moisture control + variable speed for perfect drying of delicate linen
- Pneumatic steam valve on TTD 20 · 28 · 40 · 60
- Fresh air intake flap for fast cool down on TTD 20 · 28 · 40 · 60
- Adjustable speed of the drum
- Heat recirculation for more efficient drying and lower energy consumption
- Sprinkler device for fire suppression on steam heated models
- Steam inlet hose
- Stainless steel high pressure steam coil (max. 12 bar)
- Infrared sensor

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TUMBLE DRYERS TTD

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| MODEL | UNIT | TTD 20 | TTD 28 | TTD 40 | TTD 60 | TTD 110 | |
|--|-------------|------------------------|-----------|-----------|-----------|-----------|---------|
| CAPACITY | | | | | | | |
| Dry load | lb | 44 | 61.7 | 88 | 132 | 242.5 | |
| Performance | lb/h | 77 | 105 | 149 | 224 | 363 | |
| Evaporation | Gas | gal/h | 5.54 | 7.39 | 10.56 | 16.37 | 28.26 |
| | Steam | gal/h | 4.75 | 6.34 | 8.98 | 14 | 24.3 |
| | Electric | gal/h | 3.96 | 5.54 | 7.66 | 11.88 | - |
| Cycle duration | Gas | min | 30-35 | 30-35 | 30-35 | 30-35 | 40 |
| | Steam | min | 35-40 | 35-40 | 35-40 | 35-40 | 35-40 |
| | Electric | min | 40-45 | 40-45 | 40-45 | 40-45 | - |
| DRUM | | | | | | | |
| Drum diameter | in | 38.58 | 38.58 | 48.43 | 48.43 | 53.62 | |
| Drum depth | in | 22.05 | 27.55 | 26.77 | 37.68 | 63.77 | |
| Drum volume | gal | 111 | 139 | 213 | 300 | 623 | |
| DOOR (SLIDING) | | | | | | | |
| Door opening Ø | in | 23.62 | 23.62 | 28.14 | 28.14 | 34.84 | |
| HEATING POWER | | | | | | | |
| Electrical heating element | kW | 20.4 | 31.2 | 36 | 45 | - | |
| Steam heat exchanger | 6 Bar | kW | 22 | 28 | 45 | 50 | 120 |
| | | Btu | 75067 | 95540 | 153546 | 170607 | 409457 |
| | 12 Bar | kW | 24 | 30 | 50 | 60 | 135 |
| | | Btu | 81891 | 102364 | 170607 | 204728 | 460639 |
| Gas burner | kW | 26.49 | 34.13 | 55.24 | 71.12 | 150.27 | |
| | Btu | 90387 | 116456 | 188487 | 242672 | 512743 | |
| ELECTRIC RATING | | | | | | | |
| Drum motor power | hp | 0.7372 | 0.7372 | 1.4745 | 1.4745 | 7.3726 | |
| Fan motor power | Electric | hp | 1.4745 | 1.4745 | 2.949 | 2.949 | 10.0536 |
| | Steam/gas | hp | 1.4745 | 1.4745 | 4.02 | 4.02 | 10.0536 |
| ELECTRIC CONSUMPTION | | | | | | | |
| Electric heated models ^{1 2} | kW/h | 21 | 32 | 39 | 48 | - | |
| Steam heated models ¹ | kW/h | 1 | 1 | 1.15 | 1.25 | 8 | |
| Gas heated models ¹ | kW/h | 1 | 1 | 1.15 | 1.25 | 8 | |
| STEAM DATA | | | | | | | |
| Steam valve connection Ø | DN-BSP | 25-1" | 25-1" | 25-1" | 25-1" | 50-2" | |
| Steam condenser Ø | DN-BSP | 20-¾" | 20-¾" | 25-1" | 25-1" | 25-1" | |
| Steam pressure | 6 Bar | psi | 58-87 | 58-87 | 58-87 | 58-87 | |
| | 12 Bar | psi | 145-174 | 145-174 | 145-174 | 145-174 | |
| Steam consumption ¹ | lb/cycle | 77 | 88 | 176 | 264 | 396 | |
| GAS DATA | | | | | | | |
| Gas connection Ø | DN-BSP | 15-½" | 15-½" | 15-½" | 15-½" | 15-½" | |
| Gas pressure | Natural gas | psi | 0.29-0.87 | 0.29-0.87 | 0.29-0.87 | 0.29-0.87 | |
| | LPG | psi | 0.43-0.87 | 0.43-0.87 | 0.43-0.87 | 0.43-0.87 | |
| Gas consumption (per hour) ¹ | Natural gas | ft ³ /h | 96.4 | 124.3 | 201.64 | 259.56 | 548.43 |
| | | Btu/h | 90387 | 116456 | 188487 | 242672 | 512743 |
| | LPG | ft ³ /h | 40.96 | 45.9 | 74.16 | 98.88 | 222.48 |
| | | Btu/h | 101988 | 118538 | 199269 | 256593 | 552767 |
| Gas consumption (per cycle) ¹ | Natural gas | ft ³ /cycle | 56.5 | 71.68 | 105.59 | 134.19 | 339.37 |
| | | Btu/cycle | 52785 | 66980 | 98645 | 125362 | 317056 |
| | LPG | ft ³ /cycle | 23.3 | 25.42 | 38.84 | 51.2 | 130.66 |
| | | Btu/cycle | 57801 | 65240 | 103046 | 131367 | 324153 |
| AIR DATA | | | | | | | |
| Air connection Ø | in | 0.314 | 0.314 | 0.314 | 0.314 | 0.393 | |
| Air consumption | gal/min | 15.85 | 15.85 | 15.85 | 15.85 | 31.7 | |
| Air pressure | psi | 87-116 | 87-116 | 87-116 | 87-116 | 87-116 | |

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| SPRINKLER DATA | | | | | | | |
|-------------------------------|-----------|-------|-----------------------|---------------------------|-----------------------|-----------------------|---|
| Water connection Ø | BSP | | ¾" | ¾" | ¾" | ¾" | ¾" |
| Water pressure | psi | | 29-58 | 29-58 | 29-58 | 29-58 | 29-58 |
| Water flow capacity (min.) | gal/h | | 264 | 264 | 264 | 264 | 264 |
| EXHAUST DATA | | | | | | | |
| Exhaust connection Ø | in | | 7.874 | 7.874 | 7.874 | 7.874 | 11.81 |
| Airflow | Electric | ft³/h | 61800 | 61800 | 88286 | 91818 | - |
| | Steam/gas | ft³/h | 63566 | 63566 | 97115 | 98881 | 176573 |
| PROGRAMMABLE CONTROL | | | | | | | |
| 3 default programmes (max 20) | | | Std | Std | Std | Std | Std |
| LCD display 80 x 50 mm | | | Std | Std | Std | Std | Std |
| DIMENSIONS (WxDxH) | | | | | | | |
| Standard | Electric | in | 45.90 x 54.40 x 77.59 | 45.90 x 59.92 x 77.59 | 55.74 x 60.15 x 86.25 | 55.74 x 70.98 x 86.25 | - |
| | Steam | in | 45.90 x 54.40 x 77.83 | 45.90 x 59.92 x 77.83 | 55.74 x 60.15 x 93.54 | 55.74 x 70.98 x 93.54 | 62.20 x 107.48 x 106.29 |
| | Gas | in | 45.90 x 54.40 x 79.09 | 45.90 x 59.92 x 79.09 | 55.74 x 60.15 x 87.75 | 55.74 x 70.98 x 87.75 | 62.20 x 107.48 x 98.42 |
| Packing | Electric | in | 47.16 x 57.08 x 78.58 | 47.16 x 62.59 x 78.58 | 56.96 x 62.79 x 87.20 | 56.96 x 73.62 x 87.20 | - |
| | Steam | in | 47.16 x 57.08 x 78.81 | 47.16 x 62.59 x 78.81 | 56.96 x 62.79 x 90.59 | 56.96 x 73.62 x 90.59 | 66.92 x 108.66 x 94.48 27.55 x 66.92 x 25.59 |
| | Gas | in | 47.16 x 57.08 x 80.03 | 47.16 x 62.59 x 80.03 | 56.96 x 62.79 x 88.74 | 56.96 x 73.62 x 88.74 | 66.92 x 108.66 x 94.48 27.95 x 38.18 x 52.36 |
| WEIGHT | | | | | | | |
| Net weight | Electric | lb | 959 | 1014 | 1355 | 1466 | - |
| | Steam | lb | 947 | 1003 | 1521 | 1609 | 4574 |
| | Gas | lb | 992 | 1047 | 1466 | 1554 | 4056 |
| Gross weight | Electric | lb | 1014 | 1069 | 1410 | 1532 | - |
| | Steam | lb | 1003 | 1058 | 1576 | 1675 | 5015 |
| | Gas | lb | 1047 | 1107 | 1521 | 1620 | 4541 |
| Steam heat exchanger | Net | lb | | Included with the machine | | | 606 |
| | Gross | lb | | Included with the machine | | | 661 |
| Combustion chamber | Net | lb | | Included with the machine | | | 88 |
| | Gross | lb | | Included with the machine | | | 187 |
| SOUND PRESSURE | | | | | | | |
| Sound level | db(A) | | < 63.7 | < 63.7 | < 63.7 | < 63.7 | < 63.7 |

¹ Consumption figures with 100% cotton and 50% initial moisture dried to 0%

² Measured on 400V