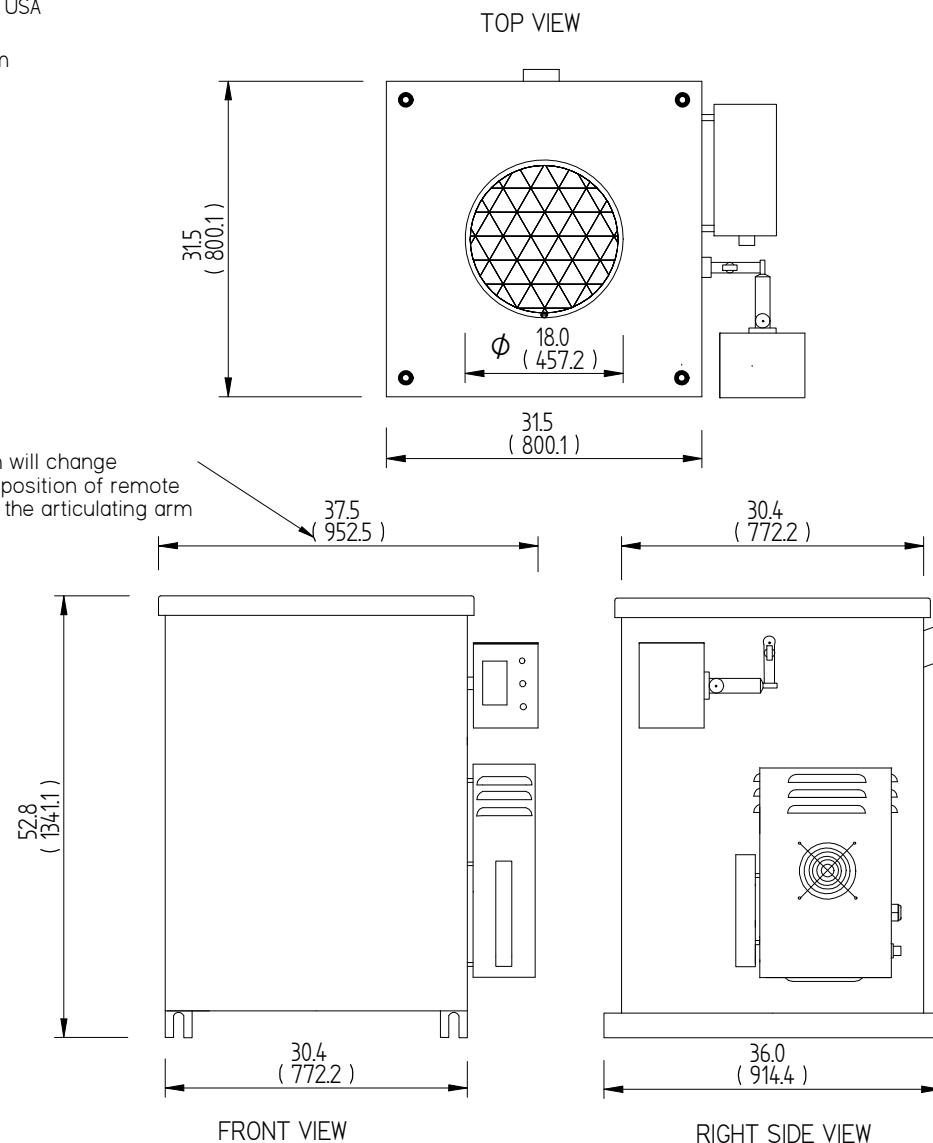


Accurate Thermal Systems  
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**Model FTBLL27 Product Details**  
[Catalog# ATSI016](#)

**Specifications**

Temperature range 50 to 605C (122 to 1121F)  
Stability +/-3.0 C  
Heat up time ambient to 500C = 210 minutes  
Total working volume = 17.0 {392} x 27 {686}

**Weight**

Weight in aluminum oxide - 535 lbs {243kg}  
Weight of aluminum oxide required - 400 lbs {182kg}  
Weight of aluminum oxide included - 450 lbs {205kg}

**Electrical Requirements**

480 or 380VAC, three phase, wye or delta configuration, 50/60 Hz  
12.9kW total power, 4300 watts/15.5 amps per leg  
Wiring: Red = leg 1, Orange = leg 2, Black = leg 3, White = Neutral, Green = (PE)  
Protected earth ground  
10 ft (3.0m) of 12 gauge, 5 lead, mains/power cable included  
Typical power consumption = 74 kwh (3.5 hours heat up time to 1000F/540C and 50% duty cycle controlling at temperature for 4 hours.)

**Air Requirements**

The automatic Fluidizing air control in this bath requires a clean, dry, air supply fixed at a constant 80 PSI {5.5 bar}  
Max air flow - 10.0 CFM {284 lpm}  
Tubing size required - 3/8 {9.5}  
Air flow at operating temperatures above 815F/435C = 5 cfm/141 lpm

**Cleaning and thermal capacity**

130 lbs {59kg} max at one time  
Parts basket volume = 15.7 {399} diameter by 27 {686} depth

**Installation**

Install in a location with at least 12 inches/305mm of clearance around all sides. To lower and remove the parts basket from the system you need 9ft/274cm of overhead clearance so we recommend a ceiling height of 17ft/518cm to safely operate this system.  
The floor space used should be level.  
Includes 5 {127} diameter built in exhaust port

Dimensions = inches ( mm )  
Rev 4 12/2023

