

THERMTRONIX®

HIGH-BAY™ FURNACE **ALUMINUM** SOLID STATE GAS FIRED MELTING

THERMTRONIX®

High-Bay™ furnace has the ability to sequentially melt and simultaneously hold multiple aluminum alloys in a single furnace with individual temperature control and without cross contamination.



THERMTRONIX® High-Bay™ furnace allows charging of loose or stacked ingot, sows, gates and risers or a combination of all three.

THERMTRONIX® High-Bay™ furnace uses half-inch steel plate construction throughout with heavy gauge channel and crossbeam reinforcing for extended refractory life.

THERMTRONIX® High-Bay™ furnace uses dry hearth melting to provide cleaner, higher quality aluminum by design. Slag, dross and residuals from charge materials are left on the hearth where they can be easily removed by mechanical scraping. This dramatically reduces post melt processing.

THERMTRONIX® High-Bay™ furnace improved the way the world melts aluminum. Our High-Bay™ furnace forces all combustion gas from the holding well through the primary and secondary melt chamber before entering the exhaust flue. All charge materials are fully preheated with energy that is normally vented to the atmosphere on conventional reverberatory furnaces. This increases energy efficiency, reduces melt time, improves furnace utilization and substantially lowers overall melt room operating cost.

PRODUCT BULLETIN 5502



Web Site <http://thermtronix.com>

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THERMTRONIX®

ALUMINUM

HIGH-BAY™ FURNACE
SOLID STATE GAS FIRED TECHNOLOGY

HIGH-BAY™ MELTING FURNACE

ADDED VALUE, A STANDARD FEATURE WITH
EVERY THERMTRONIX® FURNACE

- HEAVY DUTY HALF-INCH STEEL PLATE CONSTRUCTION •
- FACTORY ASSEMBLED COMBUSTION SYSTEM •
- HIGH-BAY™ ENERGY EFFICIENCY •
- SAFE NON-CONTACT MELTING •
- GAS or ELECTRIC HOLDING •

HIGH-BAY™ MODEL NUMBER	ELECTRIC SERVICE 3 PHASE 60/50Hz VOLTS — AMPS *	NATURAL GAS MINIMUM LOAD @ 1.5 psi	MELT RATE LB/HR KG/HR	STANDARD ALUMINUM CAPACITY, LB / KG ***
HB - 750	240 / 480 24 / 12	1500 SCFH 45 SCMh	750 / LB/HR 340 / KG/HR	4000 LB 1800 KG
HB - 1200	240 / 480 28 / 14	2400 SCFH 70 SCMh	1200 / LB/HR 550 / KG/HR	6000 LB 2700 KG
HB - 2000	240 / 480 32 / 16	3800 SCFH 110 SCMh	2000 / LB/HR 900 / KG/HR	8000 LB 3700 KG
HB - 2500	240 / 480 36 / 18	4750 SCFH 135 SCMh	2500 / LB/HR 1130 / KG/HR	10000 LB 4600 KG
HB - 3000	240 / 480 40 / 20	5700 SCFH 160 SCMh	3000 / LB/HR 1360 / KG/HR	12000 LB 5500 KG
HB - 3500	240 / 480 44 / 22	6650 SCFH 190 SCMh	3500 / LB/HR 1600 / KG/HR	14000 LB 6400 KG
HB - 4000	240 / 480 48 / 24	7600 SCFH 215 SCMh	4000 / LB/HR 1800 / KG/HR	16000 LB 7300 KG
HB - 5000	240 / 480 52 / 26	9500 SCFH 270 SCMh	5000 / LB/HR 2270 / KG/HR	20000 LB 9100 KG
HB - 6000	240 / 480 56 / 28	11400 SCFH 325 SCMh	6000 / LB/HR 2700 / KG/HR	24000 LB 11000 KG

* Other voltages available for worldwide operation - consult factory.

** Melt rate will vary with type of charge material (i.e., ingot, sows, scrap, etc.).
Melt rates assume a clean dense charge, hot furnace, doors closed and proper operation.

*** Holding capacity may be altered to meet specific customer applications - consult factory.

MMS™ TECHNOLOGY provides the system flexibility necessary to meet your specific application and allows for expansion and growth rather than replacement. Advanced design technology assures your investment in new aluminum melting equipment will grow with your production requirements well into the next century.

THERMTRONIX® the recognized worldwide "industry standard" for quality aluminum melting systems now makes advanced solid state technology, precise temperature and quality control, energy efficient high performance melting available with our High-Bay™ furnace. No furnace melts faster, more efficiently, or more reliably.

DESIGN AND SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

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THERMTRONIX® Safety-Tap™



THERMTRONIX®

Clean, Safe, Dry Hearth Melting



THERMTRONIX®

Cleaning, Degassing & Dip-Well



Underwriters Laboratories Inc.®
LISTED

**SOLID
STATE
FLAME
SAFETY
FURNACE
CONTROLS**

