



90–210 TPH

SAND HEATERS

Maximize production with the most **advanced sand-heater technology** available today. ADM sand heaters allow producers to **control mix temperature, improve mix quality** and reduce finishing time and labor costs, using sand instead of water to **effectively heat aggregate** for high quality, winter-mix concrete.

With **more than 10 times** the heating power of water and a much longer thermal retention time, ADM sand heaters allow aggregate to reach the optimum temperature of 70°F or 30°C and keep it there for **uncompromised product integrity, reduced energy costs** and safer operation. Water's maximum safe temperature of 180°F (without risk of explosion) has limited ability to either transfer heat or retain it in cold aggregate.

ADM **self-contained** sand heaters are available as skid-mounted or highly portable units, and feature rotary drum assembly, sealed-in burner assembly and plant-mounted control system.



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DRUM rolled from high strength steel plate for extended wear. Special bent plate flight design provides optimum performance.

BURNER is sealed-in with an estimated fuel oil consumption rate of .27 gallons per ton of material at a 90°F temperature rise. Fuel oil manifold, direct-drive fuel oil pump skid and direct-drive blower.

TRUNNIONS Hardened to between 550 and 650 Brinell for long life. Supported by pillow block bearings on adjustable mounting plates for ease of alignment and maintenance.

CONTROLS include a plant-mounted NEMA 12 electrical enclosure. All motors and controls are pre-wired and tested at the factory.

EQUIPMENT OPTIONS

COLD FEED BIN 20-ton bin with 12'-0"-wide x 9'-0"-deep top opening accommodates today's larger loaders. Heavy-duty, angle-iron, top rails and mid-section stiffeners add strength and rigid support.

BELT FEEDER 24"-wide belt feeder with lagged-head pulleys provides positive belt traction. Direct-drive gearbox speed reducers ensure operational safety and ease of maintenance.

INLET FEED CONVEYOR 24"-wide belt feeder with lagged-head pulleys provides positive belt traction. Self-cleaning, winged-tail pulley reduces material buildup. Multi-ply rubber belt adds strength.

BIN VIBRATOR Hopper-mounted vibrator is electrically actuated from the control panel.

ELECTRIC-STARTER SWITCHES FOR TAKE-AWAY CONVEYOR Electric-starter and start-stop switches can be mounted in the motor control cabinet to accommodate customer's existing feed and take-away conveyors.

NATURAL-GAS MANIFOLD Factory-assembled, pre-piped gas train features high and low gas pressure limit switches, gas pressure gauge, and automatic shutoff valves with visual proof-of-closure, manual shutoff cock.

PORTABILITY PACKAGE Features heavy-duty, I-beam construction, fifth-wheel kingpin tractor-trailer hitch, landing gear with manual hand crank, crank-down support legs, to grade, and DOT-Approved lighting.

MODEL	SH6214	SH7218	SH8424
Capacity Yards	60 Y/H	100 Y/H	140 Y/H
Capacity Tons	90 TPH	150 TPH	210 TPH
Drum Diameter	60" D x 14' L	72" D x 18' L	84" D x 24' L
Drum Drives	(4) 5 HP	(4) 7.5 HP	(4) 15 HP
Burner Capacity	6MM BTU/HR	10MM BTU/HR	16MM BTU/HR
Burner Blower	5 HP	10 HP	5 HP
Fuel Pump	DIRECT DRIVE	1 HP	.5 HP
Bin Capacity	20 TON	20 TON	20 TON
Belt Feeder	3 HP VFD	3 HP VFD	3 HP VFD
Inlet Conveyor	3 HP	3 HP	5 HP
Axles	SINGLE	SINGLE	DUAL
Tires	11:R22.5	11:R22.5	11:R22.5
Brakes	AIR	AIR	AIR
Height	13'-7"	13'-7"	14'-8"
Width	10'-7"	10'-7"	10'-8"
Length	46'-6"	50'-8"	60'-10"
Weight	27000 LBS	30000 LBS	45000 LBS

Talk with an ADM sales representative for additional product information.



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