DE BOER MACHINES NEDERLAND B.V.

ROTARY DRUM DRYER

- Energy efficient operation
- Self adjusting to demand
- Maintenance friendly
- Low noise drive gear
- Exhaust direct connectable to Wetfilter
SAND DRYING INSTALLATION

Wet sand is dumped into the wet sand hopper by means of a shovel loader, for example. The turntable doses the wet sand onto a conveyor belt which feeds the sand dryer. The wet sand enters the sand dryer via a vibrating trough. The sand is dried on a counter flow principle. A sieve removes any contamination (pieces of stone and remainders of clay). A screw conveyor conveys the clean, dry sand to the dry sand hopper. A level probe in the dry sand hopper controls the stop/start of the dryer. The sand dryer is equipped with a modulating burner. The operator can finetune the temperature of the sand and the volume of sand to be dried. This results in a reliable installation that combines ease of operation with low energy consumption.

CONVEYOR BELT

Belt width 200 - 5200 mm. Available with both trough and sliding belt conveyor. Modular construction. Design with cover belt for steep transport or with double belt for vertical transport. Hot-dip galvanised construction. With scrapers with hard metal or plastic blades, back stop, roller guarding, and safety cord.

ROTARY DRUM DRYER

Capacity 1.5 - 5 m³ per hour. High output, low maintenance costs. Insulated drum. Advanced burner control. Modulation control based on sand temperature.

DUST EXTRACTION

The moist, hot flue gases can be led directly to the wetfilter.

SCREW CONVEYOR

Available for any capacity. Large distance transport possible. Protected against overload. Special bearing system for journals. Suitable for sand and additives.

WET SAND HOPPER WITH TURNTABLE

The specially designed funnel shape of the wet sand hopper prevents bridging. The volume can be controlled by means of a frequency-controlled drive or a motor-operated gate. Several discharge gates are possible per turntable. Low maintenance, safe and low-noise. Capacity 9 m³. Made in stainless steel plate and therefore suitable for moist products.

DRY SAND HOPPER
**DIMENSIONS SAND DRYER**

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>BURNER CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 m³/hour</td>
<td>1.000</td>
<td>4.850</td>
<td>1.925</td>
<td>6.060</td>
<td>1.000</td>
<td>400x400</td>
<td>250 kW</td>
</tr>
<tr>
<td>2.5 m³/hour</td>
<td>1.300</td>
<td>4.930</td>
<td>2.500</td>
<td>6.060</td>
<td>1.330</td>
<td>600x400</td>
<td>400 kW</td>
</tr>
<tr>
<td>5.0 m³/hour</td>
<td>2.000</td>
<td>6.800</td>
<td>3.400</td>
<td>7.750</td>
<td>2.000</td>
<td>600x400</td>
<td>800 kW</td>
</tr>
</tbody>
</table>

Dimensions in mm. Dimensions subject to change.