The roof tile press NOVA III with eccentric cam, is engineered by HÄNDLE as new, future-oriented generation of 400-ton pressing machines. NOVA III sets new standards for the production of large-scale tiles, tiles of complex geometry and thin roof tiles.

Roof tile press with eccentric cam
Nova III

PDR
The HÄNDLE-NOVA III pressing system

Sometimes, especially in the case of oversize roof tiles, roof tiles of complex geometry and thin roof tiles, a lateral force of 100 tons no longer suffices. Now, HÄNDLE’s newly engineered roof tile press NOVA III with eccentric cam meets all current and future market requirements as a revolutionary generation of 400-ton pressing machines.

NOVA III can handle a lateral force of 180 tons. Available with drum widths of 2,000 and 2,400 mm. This enables a drum surface area for up to four-large-format tiles (eight per square meter). The roof-tile press with eccentric cam weighs approx. 75 tons.

Defining characteristics

- Production of large-scale tiles of complex geometry
- Reduction of pressing moisture content to save energy in the downstream process
- Achieves optimal tile quality (exact roof tile geometry, less scrap, higher quality) thanks to its robust, sturdy construction
- Offers maximum availability thanks to simple operation, modest maintenance requirements and optimized mould changing
- Width across flat of the drum enables fixation of longer molds
- Worldwide service by HÄNDLE - for the entire service life of the machine

Technical data

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Pressing force t</th>
<th>Lateral force t</th>
<th>Number of strokes 1 strokes/min.</th>
<th>Mold mounting area mm x mm</th>
<th>Mold group height max. mm</th>
<th>Power requirement 2 kW</th>
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</thead>
<tbody>
<tr>
<td>PDR 1220</td>
<td>400</td>
<td>180</td>
<td>20</td>
<td>2000 x 655</td>
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<td>75</td>
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<td>PDR 1224</td>
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<td>2400 x 655</td>
<td>210</td>
<td>75</td>
</tr>
</tbody>
</table>

1 Number of strokes = mechanical effective number of strokes depending on molds and model
2 Power requirement of main drive 55 kW + auxiliary equipment

Subject to technical modification due to ongoing development.