Tiper Swimming pool, whirlpool and spa

Centrifugal single stage pump for water recirculation

Applications
Water recirculation in swimming pools, spas and whirlpools.

Materials
Pump body, impeller, diffuser, suction and discharge in technopolymer.
Pump shaft in AISI 431.
Mechanical seal in aluminium-graphite.
Motor casing in aluminium.
O-rings in NBR/EPDM.

Motor
Asynchronous 2 poles.
IPX5 protection.
Class F insulation.
Built-in thermal protection.
Continuous operation.

Limitations
Maximum water temperature: 50° C.

Equipment
No cable.
Unions included, suction 1½” and discharge 1”.

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>I [A]</th>
<th>P1 [kW]</th>
<th>P2 [µF]</th>
<th>1~ 115V</th>
<th>1~ 220V</th>
<th>l/min</th>
<th>m³/h</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tiper 70</td>
<td>5,7</td>
<td>3,2</td>
<td>0,65</td>
<td>0,37</td>
<td>0,5</td>
<td>30/12</td>
<td>8,5</td>
<td>210318</td>
</tr>
<tr>
<td>Tiper 90</td>
<td>7</td>
<td>3,9</td>
<td>0,8</td>
<td>0,75</td>
<td>1</td>
<td>30/12</td>
<td>9,5</td>
<td>210319</td>
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</tbody>
</table>

Performance curve at 3450 rpm

Dimension and weight

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tiper 70</td>
<td>100</td>
<td>155</td>
<td>235</td>
<td>312</td>
<td>47</td>
<td>88</td>
<td>74</td>
<td>1½”</td>
<td>1” x 2</td>
<td>3,9</td>
</tr>
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<td>100</td>
<td>155</td>
<td>235</td>
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<td>1½”</td>
<td>1” x 2</td>
<td>4,4</td>
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</table>