Self-Priming Monoblock Pumps

HI-FLOW SERIES

Operating Conditions
- Operating water temperature: upto 65°C
- Max working pressure: 5.5 Kg/cm²
- High suction with self-priming: upto 8 metre
- Low power consumption
- Wide voltage operating range (180-240V)
- Direction of rotation: Anti-Clockwise when viewed from driving end

Applications
- Domestic water supply in bungalows and apartments
- Used in gardening, farm houses & building construction
- For lifting water to overhead storage tanks
- Pressure booster systems
- Hotels, hospitals and fountains
- Water circulation in Industries

Motor
- Motor body: High quality aluminum pressure die casted
- Motor Stator: Low watt loss silicon steel laminations
- Rotor: Dynamically balanced
- TEFC motor (2900 RPM) suitable for 180-240V, 50 Hz single phase AC power supply
- In-built thermal overload protector (T.O.P)
- Provided with 1 meter long power supply cable
- Motor Insulation Class F
- Motor protection IP-55

Pump Construction
- Pump Casing: Cast iron
- Impeller: Forged brass for longer life
- Brass insert* on impeller housing for rust free operation
- Shaft: Stainless steel
- Mechanical seal*: Silicon carbide-graphite
- Copper winding
- In-built non return valve

<table>
<thead>
<tr>
<th>No.</th>
<th>Component</th>
<th>No.</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Suction flange</td>
<td>14</td>
<td>Impeller</td>
</tr>
<tr>
<td>2</td>
<td>Non return valve</td>
<td>15</td>
<td>Mechanical seal</td>
</tr>
<tr>
<td>3</td>
<td>Threaded plug</td>
<td>16</td>
<td>O-ring</td>
</tr>
<tr>
<td>4</td>
<td>Flange gasket</td>
<td>17</td>
<td>Wound stator</td>
</tr>
<tr>
<td>5</td>
<td>Vent plug</td>
<td>18</td>
<td>Motor housing</td>
</tr>
<tr>
<td>6</td>
<td>Vent plug washer</td>
<td>19</td>
<td>Power supply cable</td>
</tr>
<tr>
<td>7</td>
<td>Delivery flange</td>
<td>20</td>
<td>Waterproof ring</td>
</tr>
<tr>
<td>8</td>
<td>Pump Adaptor</td>
<td>21</td>
<td>Rotor</td>
</tr>
<tr>
<td>9</td>
<td>Terminal block</td>
<td>22</td>
<td>Wavy washer</td>
</tr>
<tr>
<td>10</td>
<td>Terminal block cover</td>
<td>23</td>
<td>End cover</td>
</tr>
<tr>
<td>11</td>
<td>Capacitor</td>
<td>24</td>
<td>Tie rod</td>
</tr>
<tr>
<td>12</td>
<td>Bearing</td>
<td>25</td>
<td>Fan</td>
</tr>
<tr>
<td>13</td>
<td>Pump casing</td>
<td>26</td>
<td>Fan cover</td>
</tr>
</tbody>
</table>

*Hi-Flow V series pumps.

HAVELLS
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Performance Curve

Dimension (in mm)

<table>
<thead>
<tr>
<th>Model</th>
<th>H</th>
<th>A</th>
<th>B</th>
<th>K</th>
<th>AB</th>
<th>BB</th>
<th>AA</th>
<th>AD</th>
<th>AC</th>
<th>HA</th>
<th>L</th>
<th>HE</th>
<th>G.Wt. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hi-Flow V1</td>
<td>80</td>
<td>125</td>
<td>100</td>
<td>14</td>
<td>153</td>
<td>125</td>
<td>35</td>
<td>209</td>
<td>159</td>
<td>9.5</td>
<td>300</td>
<td>202</td>
<td>15</td>
</tr>
<tr>
<td>Hi-Flow S1</td>
<td>80</td>
<td>125</td>
<td>100</td>
<td>14</td>
<td>153</td>
<td>125</td>
<td>35</td>
<td>196</td>
<td>159</td>
<td>9.5</td>
<td>297</td>
<td>211</td>
<td>15</td>
</tr>
<tr>
<td>Hi-Flow V2</td>
<td>71</td>
<td>112</td>
<td>90</td>
<td>11</td>
<td>135</td>
<td>109</td>
<td>31</td>
<td>174</td>
<td>137</td>
<td>8</td>
<td>260</td>
<td>172</td>
<td>10.5</td>
</tr>
<tr>
<td>Hi-Flow S2</td>
<td>71</td>
<td>112</td>
<td>90</td>
<td>11</td>
<td>135</td>
<td>109</td>
<td>31</td>
<td>162</td>
<td>137</td>
<td>8</td>
<td>260</td>
<td>176</td>
<td>10.5</td>
</tr>
</tbody>
</table>

- The performance data are at rated voltage and only indicative, actual discharge depends on availability of water and installation of pump.
- In view of continuous development the information, performance, description, specifications mentioned in this catalogue are subject to change without notice. For latest information and updates, please get in touch with us.
- Available from Nov. 2013 onwards.

Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Power</th>
<th>Pipe Size Suc. x Del.</th>
<th>Total Head in Metres</th>
<th>Discharge in LPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hi-Flow V1</td>
<td>0.75</td>
<td>25 x 25</td>
<td>2700</td>
<td>5400</td>
</tr>
<tr>
<td>Hi-Flow S1</td>
<td>0.75</td>
<td>25 x 25</td>
<td>2700</td>
<td>5400</td>
</tr>
<tr>
<td>Hi-Flow V2</td>
<td>0.37</td>
<td>25 x 25</td>
<td>4250</td>
<td>8500</td>
</tr>
<tr>
<td>Hi-Flow S2</td>
<td>0.37</td>
<td>25 x 25</td>
<td>4200</td>
<td>8400</td>
</tr>
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</table>