

# CIH *Product Specifications*

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## **Commercial Reverse Osmosis Water Plant**

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|---------------------------------------|--|
| <b>Product Rate</b>                   | 12,000 to 24,000 *<br>GPD                                |
| <b>Membrane Type</b>                  | TFM  |
| <b>Membrane Number</b>                | 6-12   |
| <b>Membrane Size</b>                  | 4 inch diameter x 40<br>inch length (4040)               |
| <b>Min./Max. Pressure</b>             | 15 psi (1 bar) inlet<br>225 psi (13.6 bar)               |
| <b>Membrane Array</b>                 | 2x1 to 3x3   |
| <b>Max. Feed Temp</b>                 | 122 F (50 C)   |
| <b>Feed pH</b>                        | 4-11   |
| <b>Recovery</b>                       | 30-65% (without<br>recycle)                              |
| <b>Electrical</b>                     | High/low voltage<br>50/60 Hz 3 ph                        |
| <b>Motor</b>                          | 3 to 7.5 HP, TEFC  |
| <b>Pump</b>                           | 304 SS, vertical<br>1.25" victaulic-type<br>inlet/outlet |
| <b>Maximum Feed<br/>TDS</b>           | Water analysis<br>required                               |
| <b>Typical TDS<br/>Rejection</b>      | >98%   |
| <b>Overall Systems<br/>Dimensions</b> | 95" x 30" x 46.5"<br>241 cm x 76 cm x<br>118 cm          |
| <b>Weight lbs. (kg)</b>               | 450 lbs (205)- 750<br>lbs (341)                          |

*\*Contact Nimbus for detailed information and quotes. Production rates and rejection are based on membrane performance after 24 hours at 150 psi (10.2 bar) operating pressure, 77 F (25 C) water temperature and 1500 ppm NaCl. Flow may vary +/- 15%. Potential membrane foulants such as Iron, Hydrogen Sulfide and Manganese must be removed from the feed stream prior to the system. Several Pre and Post Filtration options are available.*

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