

**WHIRLER CENTRIFUGALS PVT LTD**

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 GST : 24AAACW1729R1ZX CIN : U29199GJ1990PTC014284

**WHIRLER****Peeler Centrifuge Comparison for Starch Production**

| Particulars                                                   | 210H8.0                                     | 170H5.1       | 160H5.1       | 160H4.6       | 140H3.1      | 120H2.1      |
|---------------------------------------------------------------|---------------------------------------------|---------------|---------------|---------------|--------------|--------------|
| Basket Diameter(mm)                                           | 2100                                        | 1700          | 1600          | 1600          | 1400         | 1200         |
| Basket Length(mm)                                             | 1220                                        | 1010          | 1010          | 910           | 710          | 510          |
| Volume(Liters)                                                | 1820                                        | 990           | 870           | 790           | 470          | 220          |
| Drive(HP)                                                     | 215                                         | 180           | 150           | 120           | 100          |              |
| RPM                                                           | 760                                         | 870           | 900           | 900           | 960          | 1060         |
| Basket "G" Value                                              | 680                                         | 730           | 730           | 730           | 730          | 765          |
| Filter Area(m <sup>2</sup> )                                  | 8                                           | 5.4           | 5.1           | 4.6           | 3.1          | 2.1          |
| Cake (Kg) ( ~32%Moisture )                                    | 1549                                        | 842           | 740           | 672           | 400          | 180          |
| Cycle Per Hour(Starch)                                        | 10                                          | 10            | 10            | 10            | 11           | 12           |
| Output ( Kg ) / Day ( 22Hour )<br>( ~32%*Moisture )           | 15490                                       | 8420          | 7400          | 6720          | 4400         | 2160         |
| Capacity ( Kg ) / Day ( 22Hour )<br>( ~32% Moisture )         | 340,780                                     | 185,240       | 162,800       | 147,840       | 96,800       | 47,520       |
| <b>Capacity ( Kg ) / Day ( 22 Hour )<br/>( Dryer Output )</b> | <b>235021</b>                               | <b>127752</b> | <b>112276</b> | <b>101959</b> | <b>66759</b> | <b>32772</b> |
| <b>Per Hour Dryer Output</b>                                  | <b>10683</b>                                | <b>5807</b>   | <b>5103</b>   | <b>4635</b>   | <b>3035</b>  | <b>1490</b>  |
| Automation                                                    | Timer Based Auto Panel with VFD Drive Panel |               |               |               |              |              |
| Torque Compensation                                           | VFD Control Panel                           |               |               |               |              |              |
| Final Basket Thickness                                        | 27mm                                        | 16mm          | 16mm          | 16mm          | 16mm         | 14           |
| Lining Thickness                                              | 2                                           | 2             | 2             | 2             | 2            | 2            |
| Feed Valve                                                    | 200 & 150                                   | 180 & 130     | 150 & 100     | 150 & 100     | 100 & 70     | 70 & 50      |
| Filterate Outlet                                              | 700 x 300                                   | 600 x 200     | 550 x 175     | 550 x 175     | 400 x 140    | 350 x 120    |
| Input Baume                                                   | ~21                                         | ~21           | ~21           | ~21           | ~21          | ~21          |
| Overflow Baume                                                | ~10 to 12                                   | ~10 to 12     | ~10 to 12     | ~10 to 12     | ~10 to 12    | ~10 to 12    |

Above Performance is Suggested at Feed Slurry Concentration 21 Be, Solid Content 42 %, Protein Content 0.05 max. Feed Tank Bottom Height 3 meter and verflow 10 to 12 Be

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