



# C.R.I. PUMPS

Pumping trust... Worldwide.



- Tough & Efficient for Long Life.
- Motor designed with High Cooling Effect.
- Technically Enriched Double Depth Working Capacity.
- 3D HT Technology for Long-lasting Performance.
- Specially Designed for More Sprinkler Operations.





## Vision, Mission and Values

To be the industry leader providing best-in-class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **Commitment, Reliability and Innovation.**





## ABOUT C.R.I.

C.R.I. ranks high among the world's fastest-growing fluid management solutions provider with a wide global presence. C.R.I. offers Pumps, Motors, IoT Driven Pumps, IoT Drives & Controllers, Pipes, Wires & Cables, Solar Pumps and Controllers to meet the pumping needs of its wide customer base.



**60+** Years  
of Engineering  
Expertise



**120+** Countries  
have our strong  
global presence



**21+**  
Manufacturing Units  
around the World



**30000+** Outlets  
to serve our  
Customers



**9000+**  
Products for various  
applications



**1500+**  
Service Centres to  
support our Customers



**16 Times**  
EEPC Award Winner  
for Export Excellence



**8 Times**  
NEC Award Winner  
for Energy Savings



**Fludyn Advanced Technology  
Centre** Recognized by Ministry of  
Science & Technology, Govt. of India.

**C.R.I. PIPES** - C.R.I.'s state-of-the-art manufacturing facility at Ahmedabad & Hosur produces all kinds of best quality PVC, UPVC, CPVC Pipes & Fittings. The plants are empowered with fully automated machines that control the manufacturing process.

**C.R.I. WIRES & CABLES** - C.R.I.'s Wires & Cables are manufactured at its state-of-the-art manufacturing facility. The systems at the manufacturing facility are ISO-9001 certified and the products manufactured to meet the relevant standards.

**C.R.I. SOLAR PUMPING SYSTEM** - C.R.I. manufactures sustainable Solar Pumping Systems designed to work with best in class efficiency. With this C.R.I. emphasizes its focus towards greener technology.



## 200mm Borewell Submersible Pumpset - BHIMA Series

C.R.I. 200mm Borewell Submersible Pumpset are powered by water filled, rewindable submersible motor which is suitable for continuous duty. Pump components are specially designed for best possible hydraulic efficiency. Optimal design of impellers and diffusers offers best possible hydraulic efficiency. Built-in check valve prevents back flow and reduces the risk of water hammering.

### SALIENT FEATURES

- High operating efficiency
- SS 410 impellers and hard chrome sleeves are used to increase the life of the pump
- Extremely tough & hard wearing lubricated journal bearings are used
- Dynamically balanced rotating parts ensures minimum vibration and longer life
- Specially designed thrust bearing (SS 420 with Graphite carbon) to withstand high axial thrust load
- Designed for wide voltage fluctuations
- Best suitable for sprinkler applications
- Fully SS Pumpsets & Horizontal application models available.

### APPLICATION

- Agriculture
- Domestic
- Irrigation
- Gardens
- Civil & Industrial water supply
- Rural Water Supply
- Ponds
- Firefighting
- Pressure boosting

### SPECIFICATIONS

#### BHIMA Series

|                         |                                                                                  |
|-------------------------|----------------------------------------------------------------------------------|
| Power range             | 7.5 kW - 63.5 kW (10 HP - 85 HP)                                                 |
| Speed                   | 2850 RPM                                                                         |
| Version                 | Three phase 380 - 415V, 50Hz, AC Supply                                          |
| Maximum total head      | 439 Metre                                                                        |
| Maximum flow rate       | 53.33 LPS (192 m <sup>3</sup> /hr)                                               |
| Maximum outer diameter  | 198 mm                                                                           |
| Thrust load             | 7.5 kW - 11 kW - 3500 LBS, 15 kW - 18.5 kW - 6000 lbs, 22 kW - 55 kW - 10000 LBS |
| Type of duty            | S1 (Continuous)                                                                  |
| Method of starting      | Star Delta (SD)                                                                  |
| Maximum starts per hour | 20 Times                                                                         |
| Nominal outlet size     | 80, 100 & 125 mm                                                                 |



# PERFORMANCE CHART

2850 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

## 200mm BOREWELL SUBMERSIBLE PUMPSET - BHIMA Series

### RADIAL FLOW

| Model         | kW | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 5    | 10   | 15   | 20   | 25   | 30   | 33   | 36  |
|---------------|----|----|-------|-------------------|--------------------|-----|------|------|------|------|------|------|------|-----|
|               |    |    |       |                   | Lps                | 0   | 1.39 | 2.78 | 4.17 | 5.56 | 6.94 | 8.33 | 9.17 | 10  |
| S8C- 25/30/12 | 22 | 30 | 12    | 80                | Head in Metres     | 255 | 246  | 236  | 227  | 217  | 208  | 195  | 183  | 171 |
| S8C- 25/40/16 | 30 | 40 | 16    | 80                |                    | 324 | 322  | 319  | 313  | 302  | 281  | 250  | 225  | 196 |
| S8C- 25/50/20 | 37 | 50 | 20    | 80                |                    | 416 | 380  | 368  | 362  | 354  | 341  | 318  | 298  | 276 |

| Model        | kW   | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 10   | 15   | 20   | 25   | 30   | 35   | 38    | 40    | 42    | 45   |
|--------------|------|----|-------|-------------------|--------------------|-----|------|------|------|------|------|------|-------|-------|-------|------|
|              |      |    |       |                   | Lps                | 0   | 2.78 | 4.17 | 5.56 | 6.94 | 8.33 | 9.72 | 10.56 | 11.11 | 11.67 | 12.5 |
| S8C-30/25/08 | 18.5 | 25 | 8     | 80                | Head in Metres     | 174 | 163  | 158  | 152  | 146  | 140  | 130  | 123   | 117   | 112   | 103  |
| S8C-30/40/14 | 30   | 40 | 14    | 80                |                    | 314 | 282  | 275  | 270  | 265  | 256  | 237  | 224   | 214   | 204   | 186  |
| S8C-30/45/16 | 34   | 45 | 16    | 80                |                    | 350 | 317  | 312  | 308  | 304  | 297  | 278  | 263   | 252   | 241   | 221  |
| S8C-30/50/18 | 37   | 50 | 18    | 80                |                    | 391 | 369  | 359  | 348  | 339  | 327  | 306  | 291   | 279   | 267   | 245  |
| S8C-30/60/20 | 45   | 60 | 20    | 80                |                    | 439 | 398  | 389  | 383  | 376  | 368  | 346  | 328   | 314   | 300   | 276  |

| Model          | kW | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 5    | 10   | 15   | 20   | 25   | 30   | 36  |
|----------------|----|----|-------|-------------------|--------------------|-----|------|------|------|------|------|------|-----|
|                |    |    |       |                   | Lps                | 0   | 1.39 | 2.78 | 4.17 | 5.56 | 6.94 | 8.33 | 10  |
| WC8BA-20/30/12 | 22 | 30 | 12    | 80                | Head in Metres     | 261 | 255  | 246  | 234  | 212  | 173  | 131  | 73  |
| WC8BA-23/30/10 | 22 | 30 | 10    | 80                |                    | 217 | 214  | 206  | 196  | 173  | 144  | 105  | 56  |
| WC8BA-25/30/12 | 22 | 30 | 12    | 80                |                    | 297 | 288  | 277  | 269  | 245  | 218  | 185  | 140 |
| WC8BA-25/40/14 | 30 | 40 | 14    | 80                |                    | 307 | 302  | 292  | 278  | 248  | 205  | 154  | 92  |





# PERFORMANCE CHART

2850 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

## 200mm BOREWELL SUBMERSIBLE PUMPSET - BHIMA Series

|                 |    |    |       |                   |                |     |      |      |      |      |      |      |     |      | RADIAL FLOW |     |
|-----------------|----|----|-------|-------------------|----------------|-----|------|------|------|------|------|------|-----|------|-------------|-----|
| Model           | kW | HP | Stage | Outlet Size in mm | m³/hr          | 0   | 5    | 10   | 15   | 20   | 23   | 25   | 27  | 29   | 31          | 36  |
|                 |    |    |       |                   | lps            | 0   | 1.39 | 2.78 | 4.17 | 5.56 | 6.39 | 6.94 | 7.5 | 8.06 | 8.61        | 10  |
| WC8BA-27/35/12  | 26 | 35 | 12    | 80                | Head in Metres | 300 | 292  | 287  | 268  | 249  | 236  | 224  | 211 | 197  | 182         | 140 |
| WC8BA-27/40/14S | 30 | 40 | 14    | 80                |                | 341 | 333  | 320  | 304  | 283  | 266  | 255  | 242 | 227  | 207         | 165 |
| WC8BA-27/40/14  | 30 | 40 | 14    | 80                |                | 352 | 343  | 330  | 313  | 292  | 274  | 263  | 249 | 234  | 213         | 170 |

| Model              | kW | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 10   | 15   | 20   | 25   | 30   | 35   | 38    | 40    | 45    | 50    | 55    | 60    |
|--------------------|----|----|-------|-------------------|--------------------|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
|                    |    |    |       |                   | lps                | 0   | 2.78 | 4.17 | 5.56 | 6.94 | 8.33 | 9.72 | 10.56 | 11.11 | 12.50 | 13.89 | 15.28 | 16.67 |
| WC8BA-30/20/07     | 15 | 20 | 7     | 80                | Head in Metres     | 176 | 169  | 153  | 146  | 138  | 124  | 104  | 89    | 79    | 56    |       |       |       |
| WC8BM-30/30/10 SPL | 22 | 30 | 10    | 80                |                    | 214 | 195  | 190  | 186  | 181  | 175  | 167  | 160   | 155   | 140   | 120   | 92    | 61    |
| WC8BM-30/30/10S    | 22 | 30 | 10    | 80                |                    | 210 | 192  | 188  | 184  | 180  | 172  | 163  | 156   | 150   | 132   | 110   | 90    | 60    |
| WC8BM-30/50/18     | 37 | 50 | 18    | 80                |                    | 391 | 369  | 359  | 348  | 339  | 327  | 306  | 291   | 279   | 245   |       |       |       |

| Model           | kW | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 10   | 15   | 20   | 25   | 31   | 35   | 38    | 40    | 45    | 50    | 55    | 60    |
|-----------------|----|----|-------|-------------------|--------------------|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
|                 |    |    |       |                   | lps                | 0   | 2.78 | 4.17 | 5.56 | 6.94 | 8.61 | 9.72 | 10.56 | 11.11 | 12.50 | 13.89 | 15.28 | 16.67 |
| WC8BM-35/35/10  | 26 | 35 | 10    | 80                | Head in Metres     | 214 | 195  | 190  | 186  | 183  | 179  | 171  | 166   | 162   | 150   | 133   | 112   | 89    |
| WC8BM-35/40/12  | 30 | 40 | 12    | 80                |                    | 256 | 236  | 230  | 224  | 219  | 213  | 205  | 199   | 194   | 178   | 157   | 133   | 107   |
| WC8BM-35/45/14  | 34 | 45 | 14    | 80                |                    | 295 | 270  | 263  | 258  | 253  | 245  | 236  | 227   | 222   | 202   | 177   | 147   | 115   |
| WC8BM-35/50/15* | 37 | 50 | 15    | 80                |                    | 310 | 294  | 284  | 275  | 265  | 255  | 243  | 234   | 227   | 205   | 181   | 151   | 117   |
| WC8BM-35/50/16* | 37 | 50 | 16    | 80                |                    | 328 | 306  | 295  | 285  | 276  | 268  | 256  | 245   | 238   | 215   | 188   | 157   | 120   |
| WC8BM-35/60/18* | 45 | 60 | 18    | 80                |                    | 371 | 343  | 332  | 320  | 312  | 303  | 290  | 278   | 270   | 244   | 214   | 179   | 139   |
|                 |    |    |       |                   |                    |     |      |      |      |      |      |      |       |       |       |       |       |       |

| Model           | kW   | HP | Stage | Outlet Size in mm | m³/hr          | 0   | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 36  | 38    | 40    | 42    |
|-----------------|------|----|-------|-------------------|----------------|-----|------|------|------|------|------|------|------|-----|-------|-------|-------|
|                 |      |    |       |                   | lps            | 0   | 1.39 | 2.78 | 4.17 | 5.56 | 6.94 | 8.33 | 9.72 | 10  | 10.56 | 11.11 | 11.67 |
|                 |      |    |       |                   |                |     |      |      |      |      |      |      |      |     |       |       |       |
| WC8BA-36/25/08H | 18.5 | 25 | 8     | 80                | Head in Metres | 212 | 206  | 199  | 193  | 185  | 172  | 153  | 129  | 124 | 114   | 104   | 94    |

\* Marked pumpsets are having ISI licence. H - Stands for Horizontal Model.



# PERFORMANCE CHART

2850 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

## 200mm BOREWELL SUBMERSIBLE PUMPSET - BHIMA Series

|                 |      |    |       |                   |                |     |      |      |      |       |       |       |       |       | RADIAL FLOW |       |
|-----------------|------|----|-------|-------------------|----------------|-----|------|------|------|-------|-------|-------|-------|-------|-------------|-------|
| Model           | kW   | HP | Stage | Outlet Size in mm | m³/hr          | 0   | 10   | 20   | 30   | 40    | 42    | 44    | 46    | 48    | 50          | 60    |
|                 |      |    |       |                   | lps            | 0   | 2.78 | 5.56 | 8.33 | 11.11 | 11.67 | 12.22 | 12.78 | 13.33 | 13.89       | 16.67 |
| WC8BM-42N/25/06 | 18.5 | 25 | 6     | 80                | Head in Metres | 123 | 117  | 111  | 108  | 102   | 100   | 97    | 95    | 92    | 88          | 63    |
| WC8BM-42N/30/08 | 22   | 30 | 8     | 80                |                | 161 | 153  | 146  | 140  | 131   | 128   | 124   | 120   | 116   | 111         | 79    |
| WC8BM-42N/45/12 | 34   | 45 | 12    | 80                |                | 242 | 231  | 220  | 210  | 196   | 192   | 188   | 183   | 177   | 170         | 126   |
| WC8BA-42N/75/16 | 55   | 75 | 16    | 80                |                | 336 | 314  | 301  | 294  | 276   | 271   | 265   | 258   | 249   | 239         | 172   |

| Model          | kW   | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 10   | 20   | 30   | 40    | 44    | 46    | 48    | 50    | 55    | 60    |
|----------------|------|----|-------|-------------------|--------------------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|
|                |      |    |       |                   | lps                | 0   | 2.78 | 5.56 | 8.33 | 11.11 | 11.67 | 12.22 | 12.78 | 13.33 | 13.89 | 16.67 |
| WC8BA-45/85/18 | 63.5 | 85 | 18    | 80                | Head in Metres     | 332 | 324  | 314  | 300  | 276   | 270   | 263   | 255   | 246   | 236   | 177   |
| WC8BA-50/85/16 | 63.5 | 85 | 16    | 80                |                    | 347 | 341  | 327  | 307  | 282   | 274   | 265   | 255   | 244   | 233   | 161   |

| MIXED FLOW      |      |    |       |                   |                |     |      |      |      |       |       |       |       |
|-----------------|------|----|-------|-------------------|----------------|-----|------|------|------|-------|-------|-------|-------|
| Model           | kW   | HP | Stage | Outlet Size in mm | m³/hr          | 0   | 10   | 20   | 30   | 40    | 50    | 60    | 65    |
|                 |      |    |       |                   | lps            | 0   | 2.78 | 5.56 | 8.33 | 11.11 | 13.89 | 16.68 | 18.06 |
| WC8BM-48/10/03S | 7.5  | 10 | 3     | 100               | Head in Metres | 55  | 53   | 49   | 46   | 43    | 37    | 29    | 23    |
| WC8BM-48/10/03  | 7.5  | 10 | 3     | 100               |                | 57  | 55   | 51   | 47   | 44    | 38    | 30    | 24    |
| WC8BM-48/20/06  | 15   | 20 | 6     | 100               |                | 118 | 114  | 109  | 103  | 93    | 81    | 65    | 55    |
| WC8BM-48/20/07S | 15   | 20 | 7     | 100               |                | 129 | 122  | 116  | 109  | 99    | 86    | 67    | 57    |
| WC8BM-48/25/07S | 18.5 | 25 | 7     | 100               |                | 131 | 128  | 118  | 111  | 101   | 89    | 70    | 61    |
| WC8BM-48/25/07  | 18.5 | 25 | 7     | 100               |                | 135 | 132  | 122  | 114  | 104   | 92    | 72    | 63    |
| WC8BM-48/30/10  | 22   | 30 | 10    | 100               |                | 190 | 181  | 171  | 160  | 144   | 126   | 104   | 91    |
| WC8BM-48/40/12  | 30   | 40 | 12    | 100               |                | 234 | 223  | 212  | 200  | 184   | 162   | 136   | 116   |

# PERFORMANCE CHART

2850 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

## 200mm BOREWELL SUBMERSIBLE PUMPSET - BHIMA Series

|                   |      |      |       |                   |                  |     |      |      |      |       |       |       |       |       |       |       |       | MIXED FLOW |     |       |
|-------------------|------|------|-------|-------------------|------------------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----|-------|
| Model             | kW   | HP   | Stage | Outlet Size in mm | m³/hr            | 0   | 10   | 20   | 30   | 40    | 50    | 56    | 58    | 60    | 62    | 64    | 70    | 80         | 90  | 100   |
|                   |      |      |       |                   | Discharge<br>lps | 0   | 2.78 | 5.56 | 8.33 | 11.11 | 13.89 | 15.56 | 16.11 | 16.67 | 17.22 | 17.78 | 19.44 | 22.22      | 25  | 27.78 |
| WC8BM-60/12.5/03  | 9.3  | 12.5 | 3     | 100               | Head in Metres   | 56  | 55   | 54   | 52   | 50    | 47    | 45    | 43    | 42    | 41    | 40    | 38    | 33         | 27  | 19    |
| WC8BM-60/12.5/03S | 9.3  | 12.5 | 3     | 100               |                  | 54  | 53   | 52   | 50   | 49    | 46    | 44    | 42    | 41    | 40    | 39    | 37    | 32         | 26  | 18    |
| WC8BM-60/15/04    | 11   | 15   | 4     | 100               |                  | 71  | 69   | 67   | 64   | 60    | 58    | 57    | 56    | 55    | 54    | 52    | 48    | 40         | 32  | 21    |
| WC8BM-60/15/04S   | 11   | 15   | 4     | 100               |                  | 69  | 67   | 65   | 62   | 58    | 56    | 55    | 54    | 53    | 52    | 50    | 47    | 39         | 31  | 20    |
| WC8BM-60/20/05    | 15   | 20   | 5     | 100               |                  | 88  | 84   | 82   | 78   | 74    | 70    | 69    | 68    | 66    | 65    | 63    | 58    | 47         | 33  | 23    |
| WC8BM-60/20/05S   | 15   | 20   | 5     | 100               |                  | 85  | 81   | 80   | 76   | 72    | 68    | 67    | 66    | 64    | 63    | 61    | 56    | 46         | 32  | 22    |
| WC8BM-60/25/06H*  | 18.5 | 25   | 6     | 100               |                  | 105 | 100  | 98   | 93   | 88    | 84    | 82    | 80    | 79    | 78    | 75    | 70    | 56         | 40  | 27    |
| WC8BM-60/25/06    | 18.5 | 25   | 6     | 100               |                  | 105 | 100  | 98   | 93   | 88    | 84    | 82    | 80    | 79    | 78    | 75    | 70    | 56         | 40  | 27    |
| WC8BM-60/30/8S    | 22   | 30   | 8     | 100               |                  | 131 | 125  | 121  | 116  | 112   | 109   | 104   | 102   | 100   | 98    | 96    | 87    | 71         | 54  | 37    |
| WC8BM-60/30/8*    | 22   | 30   | 8     | 100               |                  | 135 | 129  | 125  | 120  | 115   | 112   | 107   | 105   | 103   | 101   | 99    | 90    | 73         | 56  | 38    |
| WC8BM-60/40/10S   | 30   | 40   | 10    | 100               |                  | 176 | 169  | 162  | 157  | 152   | 149   | 143   | 141   | 139   | 138   | 128   | 122   | 109        | 87  | 62    |
| WC8BM-60/40/10*   | 30   | 40   | 10    | 100               |                  | 181 | 174  | 167  | 162  | 157   | 154   | 147   | 145   | 143   | 142   | 132   | 126   | 112        | 90  | 64    |
| WC8BM-60/50/12*   | 37   | 50   | 12    | 100               |                  | 218 | 213  | 206  | 196  | 188   | 177   | 170   | 168   | 166   | 160   | 157   | 150   | 133        | 112 | 85    |
| WC8BM-60/50/13    | 37   | 50   | 13    | 100               |                  | 222 | 215  | 209  | 202  | 195   | 187   | 183   | 181   | 179   | 175   | 172   | 161   | 135        | 108 | 80    |

| Model          | kW | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 20   | 30   | 40    | 50    | 60    | 68    | 70    | 80    | 90 | 100   |
|----------------|----|----|-------|-------------------|--------------------|-----|------|------|-------|-------|-------|-------|-------|-------|----|-------|
|                |    |    |       |                   |                    | 0   | 5.56 | 8.33 | 11.11 | 13.89 | 16.67 | 18.89 | 19.44 | 22.22 | 25 | 27.78 |
| WC8BM-62/40/08 | 30 | 40 | 8     | 100               | Head in Metres     | 150 | 136  | 129  | 122   | 114   | 104   | 95    | 93    | 78    | 61 | 43    |
| WC8BM-62/50/10 | 37 | 50 | 10    | 100               |                    | 186 | 169  | 160  | 151   | 141   | 128   | 116   | 113   | 96    | 77 | 54    |
| WC8BM-62/50/12 | 37 | 50 | 12    | 100               |                    | 204 | 188  | 179  | 169   | 159   | 144   | 130   | 126   | 104   | 80 | 55    |

| Model          | kW | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 20   | 30   | 40    | 50    | 60    | 68    | 70    | 80    | 90  | 100   |
|----------------|----|----|-------|-------------------|--------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-----|-------|
|                |    |    |       |                   |                    | 0   | 5.56 | 8.33 | 11.11 | 13.89 | 16.63 | 18.89 | 19.44 | 22.22 | 25  | 27.78 |
| WC8BA-62/60/12 | 45 | 60 | 12    | 80                | Head in Metres     | 253 | 223  | 212  | 200   | 199   | 174   | 158   | 153   | 132   | 109 | 85    |

\* Marked pumpsets are having ISI licence. H - Stands for Horizontal Model.





# PERFORMANCE CHART

2850 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

## 200mm BOREWELL SUBMERSIBLE PUMPSET - BHIMA Series

|                  |      |    |       |                   |                |     |      |      |       |       |       |       |       |       | MIXED FLOW |       |
|------------------|------|----|-------|-------------------|----------------|-----|------|------|-------|-------|-------|-------|-------|-------|------------|-------|
| Model            | kW   | HP | Stage | Outlet Size in mm | m³/hr          | 0   | 20   | 30   | 40    | 50    | 60    | 68    | 70    | 80    | 90         | 100   |
|                  |      |    |       |                   | lps            | 0   | 5.56 | 8.33 | 11.11 | 13.89 | 16.67 | 18.89 | 19.44 | 22.22 | 25         | 27.78 |
| WC8BM-68/10/02   | 7.5  | 10 | 2     | 100               | Head in Metres | 46  | 41   | 39   | 37    | 33    | 31    | 29    | 27    | 23    | 18         | 14    |
| WC8BM-68/15/03S  | 11   | 15 | 3     | 100               |                | 69  | 61   | 56   | 54    | 51    | 46    | 43    | 42    | 37    | 31         | 22    |
| WC8BM-68/20/04S  | 15   | 20 | 4     | 100               |                | 91  | 80   | 75   | 71    | 67    | 60    | 56    | 53    | 48    | 39         | 30    |
| WC8BM-68/20/04H  | 15   | 20 | 4     | 100               |                | 94  | 82   | 77   | 73    | 69    | 62    | 58    | 55    | 49    | 40         | 31    |
| WC8BM-68/25/05S  | 18.5 | 25 | 5     | 100               |                | 113 | 97   | 93   | 87    | 81    | 75    | 71    | 66    | 55    | 46         | 35    |
| WC8BM-68/25/05*  | 18.5 | 25 | 5     | 100               |                | 117 | 100  | 96   | 90    | 84    | 77    | 73    | 68    | 57    | 47         | 36    |
| WC8BM-68/25/05H  | 18.5 | 25 | 5     | 100               |                | 117 | 100  | 96   | 90    | 84    | 77    | 73    | 68    | 57    | 47         | 36    |
| WC8BM-68/25/05R  | 18.5 | 25 | 5     | 100               |                | 113 | 97   | 93   | 87    | 81    | 75    | 71    | 66    | 55    | 46         | 35    |
| WC8BM-68/30/06*  | 22   | 30 | 6     | 100               |                | 136 | 119  | 112  | 105   | 98    | 90    | 83    | 80    | 68    | 55         | 41    |
| WC8BM-68/30/06H* | 22   | 30 | 6     | 100               |                | 136 | 119  | 112  | 105   | 98    | 90    | 83    | 80    | 68    | 55         | 41    |
| WC8BM-68/35/07S  | 26   | 35 | 7     | 100               |                | 155 | 135  | 128  | 122   | 113   | 104   | 93    | 92    | 80    | 61         | 49    |
| WC8BM-68/35/07   | 26   | 35 | 7     | 100               |                | 160 | 139  | 132  | 126   | 117   | 107   | 96    | 95    | 82    | 63         | 51    |
| WC8BM-68/40/08S  | 30   | 40 | 8     | 100               |                | 179 | 155  | 147  | 141   | 133   | 118   | 111   | 108   | 90    | 80         | 58    |
| WC8BM-68/40/08*  | 30   | 40 | 8     | 100               |                | 185 | 160  | 152  | 145   | 137   | 122   | 114   | 111   | 93    | 82         | 60    |
| WC8BM-68/50/10*  | 37   | 50 | 10    | 100               |                | 228 | 200  | 190  | 182   | 168   | 154   | 144   | 140   | 123   | 101        | 74    |
| WC8BM-68/60/12*  | 45   | 60 | 12    | 100               |                | 276 | 240  | 230  | 214   | 203   | 184   | 173   | 164   | 142   | 122        | 91    |

| Model           | kW   | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 20   | 30   | 40    | 50    | 60    | 70    | 75    | 80    | 90  | 100   |
|-----------------|------|----|-------|-------------------|--------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-----|-------|
|                 |      |    |       |                   |                    | 0   | 5.56 | 8.33 | 11.11 | 13.89 | 16.69 | 19.44 | 20.83 | 22.22 | 25  | 27.78 |
| WC8BM-70/25/04  | 18.5 | 25 | 4     | 100               | Head in Metres     | 81  | 75   | 73   | 71    | 69    | 64    | 59    | 54    | 51    | 42  | 37    |
| WC8BM-70/50/08* | 37   | 50 | 8     | 100               |                    | 157 | 150  | 147  | 143   | 139   | 133   | 122   | 116   | 111   | 95  | 74    |
| WC8BM-70/75/12* | 55   | 75 | 12    | 100               |                    | 236 | 227  | 223  | 220   | 217   | 211   | 191   | 182   | 171   | 150 | 120   |
| WC8BM-70/85/14  | 63.5 | 85 | 14    | 100               |                    | 282 | 272  | 266  | 260   | 255   | 248   | 236   | 224   | 209   | 179 | 150   |

\* Marked pumpsets are having ISI licence. H - Stands for Horizontal Model.



# PERFORMANCE CHART

2850 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

## 200mm BOREWELL SUBMERSIBLE PUMPSET - BHIMA Series

|                  |      |    |       |                   |                    |     |      |      |       |       |       |       |       |     |       |       | MIXED FLOW |             |
|------------------|------|----|-------|-------------------|--------------------|-----|------|------|-------|-------|-------|-------|-------|-----|-------|-------|------------|-------------|
| Model            | kW   | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 20   | 30   | 40    | 50    | 60    | 75    | 80    | 90  | 100   | 110   | 120        | Star Rating |
|                  |      |    |       |                   | lps                | 0   | 5.56 | 8.33 | 11.11 | 13.89 | 16.67 | 20.83 | 22.22 | 25  | 27.78 | 30.56 | 33.33      |             |
| WC8BM-75/20/03*  | 15   | 20 | 3     | 100               | Head in Metres     | 70  | 67   | 66   | 64    | 62    | 59    | 55    | 53    | 49  | 44    | 37    | 30         | 3 Star      |
| WC8BM-75N/20/03* | 15   | 20 | 3     | 100               |                    | 70  | 67   | 66   | 64    | 62    | 59    | 55    | 53    | 49  | 44    | 37    | 30         |             |
| WC8BM-75/25/04S  | 18.5 | 25 | 4     | 100               |                    | 84  | 81   | 80   | 75    | 72    | 67    | 61    | 58    | 52  | 46    | 37    | 27         |             |
| WC8BM-75/25/04   | 18.5 | 25 | 4     | 100               |                    | 87  | 83   | 82   | 77    | 74    | 69    | 63    | 60    | 54  | 47    | 38    | 28         |             |
| WC8BM-75/30/04S  | 22   | 30 | 4     | 100               |                    | 87  | 84   | 81   | 80    | 76    | 71    | 65    | 62    | 57  | 49    | 42    | 32         |             |
| WC8BM-75/30/04   | 22   | 30 | 4     | 100               |                    | 90  | 87   | 84   | 82    | 78    | 73    | 67    | 64    | 59  | 51    | 43    | 33         |             |
| WC8BM-75/35/05S  | 26   | 35 | 5     | 100               |                    | 109 | 104  | 102  | 99    | 95    | 89    | 81    | 79    | 73  | 64    | 53    | 42         |             |
| WC8BM-75/35/05*  | 26   | 35 | 5     | 100               |                    | 112 | 107  | 105  | 102   | 98    | 92    | 84    | 81    | 75  | 66    | 55    | 43         |             |
| WC8BM-75/60/08   | 45   | 60 | 8     | 100               |                    | 178 | 170  | 165  | 161   | 156   | 149   | 134   | 130   | 119 | 104   | 87    | 69         |             |
| WC8BM-75/75/12   | 55   | 75 | 12    | 100               |                    | 253 | 223  | 217  | 211   | 205   | 196   | 179   | 172   | 157 | 137   | 115   | 91         |             |
| WC8BM-75/85/12   | 63.5 | 85 | 12    | 100               |                    | 271 | 260  | 252  | 243   | 231   | 219   | 202   | 195   | 177 | 153   | 126   | 95         |             |
| WC8BM-75/85/14   | 63.5 | 85 | 14    | 100               |                    | 292 | 261  | 251  | 243   | 234   | 226   | 205   | 196   | 176 | 152   | 126   | 96         |             |
| WC8BM-75/85/15   | 63.5 | 85 | 15    | 100               |                    | 301 | 270  | 260  | 252   | 243   | 233   | 211   | 202   | 182 | 157   | 129   | 98         |             |

| Model           | kW | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0  | 20   | 30   | 40    | 50    | 60    | 75    | 80    | 90 | 100   | 110   | 120   | Star Rating |
|-----------------|----|----|-------|-------------------|--------------------|----|------|------|-------|-------|-------|-------|-------|----|-------|-------|-------|-------------|
|                 |    |    |       |                   | lps                | 0  | 5.56 | 8.33 | 11.11 | 13.89 | 16.67 | 20.83 | 22.22 | 25 | 27.78 | 30.56 | 33.33 |             |
| WC8BM-76/30/04* | 22 | 30 | 4     | 100               | Head in Metres     | 95 | 91   | 89   | 86    | 83    | 81    | 76    | 74    | 69 | 61    | 50    | 39    | 3 star      |

| Model           | kW | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr | 0   | 20   | 40    | 60    | 80    | 88    | 90  | 92    | 94    | 96    | 100   | 120   | 136   | Star Rating |
|-----------------|----|----|-------|-------------------|--------------------|-----|------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------------|
|                 |    |    |       |                   | lps                | 0   | 5.56 | 11.11 | 16.67 | 22.22 | 24.44 | 25  | 25.56 | 26.11 | 26.67 | 27.78 | 33.33 | 37.78 |             |
| WC8BM-80/35/04S | 26 | 35 | 4     | 100               | Head in Metres     | 89  | 83   | 80    | 74    | 65    | 63    | 61  | 60    | 58    | 56    | 55    | 40    | 23    |             |
| WC8BM-80/35/04  | 26 | 35 | 4     | 100               |                    | 92  | 86   | 82    | 76    | 67    | 65    | 63  | 62    | 60    | 58    | 57    | 41    | 24    |             |
| WC8BM-80/40/05S | 30 | 40 | 5     | 100               |                    | 112 | 105  | 100   | 92    | 81    | 79    | 76  | 75    | 73    | 71    | 69    | 79    | 29    |             |
| WC8BM-80/40/05  | 30 | 40 | 5     | 100               |                    | 115 | 108  | 103   | 95    | 84    | 81    | 78  | 77    | 75    | 73    | 71    | 51    | 30    |             |
| WC8BM-80/75/10  | 55 | 75 | 10    | 100               |                    | 230 | 216  | 205   | 189   | 167   | 162   | 157 | 153   | 150   | 147   | 142   | 102   | 60    |             |
| WC8BM-82/35/04* | 26 | 35 | 4     | 100               |                    | 105 | 99   | 95    | 89    | 83    | 80    | 78  | 76    | 74    | 73    | 71    | 50    | 31    | 3 star      |

\* Marked pumpsets are having ISI licence.



# PERFORMANCE CHART

2850 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

## 200mm BOREWELL SUBMERSIBLE PUMPSET - BHIMA Series

|                        |      |      |       |                   |                |     |      |       |       |       |       |       |       |       |       |       | MIXED FLOW |             |
|------------------------|------|------|-------|-------------------|----------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-------------|
| Model                  | kW   | HP   | Stage | Outlet Size in mm | m³/hr          | 0   | 20   | 40    | 60    | 70    | 80    | 85    | 92    | 100   | 110   | 120   | 136        | Star Rating |
|                        |      |      |       |                   | lps            | 0   | 5.56 | 11.11 | 16.67 | 19.44 | 22.22 | 23.61 | 25.56 | 27.78 | 30.56 | 33.33 | 37.78      |             |
| WC8BM-95/12.5/02S (HD) | 9.3  | 12.5 | 2     | 100               | Head in Metres | 45  | 43   | 41    | 38    | 36    | 34    | 33    | 30    | 27    | 22    | 18    |            |             |
| WC8BM-95/15/02S (HD)   | 11   | 15   | 2     | 100               |                | 52  | 49   | 46    | 42    | 40    | 38    | 36    | 34    | 32    | 27    | 23    | 14         |             |
| WC8BM-95/20/03S (HD)   | 15   | 20   | 3     | 100               |                | 72  | 69   | 64    | 59    | 55    | 53    | 51    | 48    | 42    | 36    | 29    | 11         |             |
| WC8BM-95/20/03*        | 15   | 20   | 3     | 100               |                | 72  | 69   | 64    | 59    | 55    | 53    | 51    | 48    | 42    | 36    | 29    | 11         | 1 Star      |
| WC8BM-95/25/03S (HD)   | 18.5 | 25   | 3     | 100               |                | 77  | 73   | 69    | 63    | 60    | 57    | 55    | 52    | 49    | 43    | 35    | 23         |             |
| WC8BM-95/30/03S        | 22   | 30   | 3     | 100               |                | 75  | 73   | 70    | 65    | 63    | 60    | 59    | 56    | 52    | 48    | 41    | 20         |             |
| WC8BM-95/30/03         | 22   | 30   | 3     | 100               |                | 77  | 75   | 72    | 67    | 65    | 62    | 61    | 58    | 54    | 49    | 42    | 21         |             |
| WC8BM-95/40/03S        | 30   | 40   | 3     | 150               |                | 78  | 76   | 73    | 68    | 66    | 63    | 62    | 59    | 55    | 50    | 43    | 22         |             |
| WC8BM-95/40/04S        | 30   | 40   | 4     | 100               |                | 105 | 100  | 97    | 91    | 88    | 85    | 83    | 80    | 75    | 67    | 57    | 40         |             |
| WC8BM-95N/40/04*       | 30   | 40   | 4     | 100               |                | 105 | 100  | 97    | 91    | 88    | 85    | 83    | 80    | 75    | 67    | 57    | 40         | 3 Star      |
| WC8BM-95/50/05*        | 37   | 50   | 5     | 100               |                | 126 | 125  | 120   | 113   | 109   | 105   | 103   | 99    | 92    | 82    | 70    | 48         | 3 Star      |

| Model            | kW   | HP | Stage | Outlet Size in mm | m <sup>3</sup> /hr<br>lps | 0  | 20   | 40    | 60    | 80    | 100   | 120   | 122   | 124   | 126 | 128   | 130   | 140   | 160   | 180 | 192   |
|------------------|------|----|-------|-------------------|---------------------------|----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-----|-------|
|                  |      |    |       |                   |                           | 0  | 5.56 | 11.11 | 16.67 | 22.22 | 27.78 | 33.33 | 33.89 | 34.44 | 35  | 35.56 | 36.11 | 38.89 | 44.44 | 50  | 53.33 |
| WC8BM-125/25/02* | 18.5 | 25 | 2     | 125               | Head in Metres            | 52 | 50   | 47    | 45    | 42    | 40    | 37    | 36    | 35    | 34  | 33    | 32    | 31    | 26    | 20  | 15    |

### MATERIAL OF CONSTRUCTION - MOTOR

| Part Name               | Material                   |
|-------------------------|----------------------------|
| Upper and lower housing | Cast iron                  |
| Stator shell            | Stainless Steel            |
| Shaft                   | SS 410                     |
| Journal bushes          | LTB 4 / Nitrile rubber     |
| Thrust assembly         | SS 420 and Graphite carbon |
| Diaphragm               | High nitrile butyl rubber  |

### MATERIAL OF CONSTRUCTION - PUMP

| Part Name               | Material        |
|-------------------------|-----------------|
| Check valve housing     | Cast iron       |
| Check valve seat        | SG iron         |
| Diffuser chamber        | Cast iron       |
| Impeller                | SS 410          |
| Suction inter connector | Cast iron       |
| Inlet screen            | SS 202          |
| Pump shaft              | SS 410 / SS 431 |
| Cable guard             | SS 202          |
| Coupling                | SS 410 / SS 431 |

\* Marked pumpsets are having ISI licence. HD - High Discharge.





✿ CATERS TO DIVERSE SEGMENTS ✿

**WATER & WASTE WATER | SOLAR | PROCESS INDUSTRIES | SEWAGE & EFFLUENT TREATMENT PLANTS**  
**HVAC | FIRE FIGHTING | METAL & MINING | FOOD & BEVERAGE | AGRICULTURE | RESIDENTIAL**



**C.R.I. PUMPS**  
Pumping trust... Worldwide.



☎ **TOLL FREE 1800 121 1243** 🌐 **www.crigroups.com** 🗣️ **chatbot : +91 9500401115**

In view of continuous developments, the information / performance / descriptions / specifications / illustrations mentioned in this catalogue are subject to change without notice.