

**AQUA1**

Submersible Pumps | Panels | Cables

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**AQUA1 3" JACKET TYPE  
SUBMERSIBLE PUMPSETS**

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET SIZE : 32 MM     | DISCHARGE          |     |     |     |     |     |     |     |
|------------|-------|--------------|------|-------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                         | M <sup>3</sup> /hr | 0.6 | 1.2 | 1.8 | 2.1 | 2.4 | 3.0 | 3.6 |
|            |       |              |      |                         | LPM                | 10  | 20  | 30  | 35  | 40  | 50  | 60  |
| V25/0510   | 10    | 0.5          | 0.37 | TOTAL HEAD<br>IN METERS | 38                 | 34  | 30  | 28  | 25  | 20  | 14  |     |
| V25/7515   | 15    | 0.75         | 0.55 |                         | 56                 | 51  | 45  | 41  | 38  | 30  | 21  |     |
| V25/1018   | 18    | 1.0          | 0.75 |                         | 68                 | 61  | 54  | 50  | 45  | 36  | 25  |     |
| V25/1020   | 20    | 1.0          | 0.75 |                         | 75                 | 68  | 60  | 55  | 50  | 40  | 28  |     |
| V25/1526   | 26    | 1.5          | 1.1  |                         | 98                 | 88  | 78  | 72  | 65  | 52  | 36  |     |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET SIZE : 32 MM     | DISCHARGE          |     |     |     |     |     |     |     |
|------------|-------|--------------|------|-------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                         | M <sup>3</sup> /hr | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 |
|            |       |              |      |                         | LPM                | 10  | 20  | 30  | 40  | 50  | 60  | 70  |
| V27/0508   | 8     | 0.5          | 0.37 | TOTAL HEAD<br>IN METERS | 30                 | 28  | 26  | 24  | 21  | 18  | 13  |     |
| V27/7512   | 12    | 0.75         | 0.55 |                         | 44                 | 42  | 40  | 36  | 32  | 26  | 19  |     |
| V27/1015   | 15    | 1.0          | 0.75 |                         | 56                 | 53  | 50  | 45  | 40  | 33  | 24  |     |
| V27/1016   | 16    | 1.0          | 0.75 |                         | 59                 | 56  | 53  | 48  | 42  | 35  | 26  |     |
| V27/1524   | 24    | 1.5          | 1.1  |                         | 89                 | 84  | 79  | 72  | 64  | 53  | 38  |     |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET SIZE : 32 MM     | DISCHARGE          |     |     |     |     |     |     |     |
|------------|-------|--------------|------|-------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                         | M <sup>3</sup> /hr | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 |
|            |       |              |      |                         | LPM                | 20  | 30  | 40  | 50  | 60  | 70  | 80  |
| V210/0506  | 6     | 0.5          | 0.37 | TOTAL HEAD<br>IN METERS | 22                 | 21  | 20  | 18  | 16  | 13  | 10  |     |
| V210/7508  | 8     | 0.75         | 0.55 |                         | 30                 | 28  | 26  | 24  | 21  | 18  | 14  |     |
| V210/1012  | 12    | 1.0          | 0.75 |                         | 44                 | 42  | 40  | 36  | 32  | 26  | 20  |     |
| V210/1516  | 16    | 1.5          | 1.1  |                         | 59                 | 56  | 53  | 48  | 42  | 35  | 27  |     |
| V210/1518  | 18    | 1.5          | 1.1  |                         | 67                 | 63  | 59  | 54  | 48  | 40  | 31  |     |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET SIZE : 32 MM     | DISCHARGE          |     |     |     |     |     |     |     |
|------------|-------|--------------|------|-------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                         | M <sup>3</sup> /hr | 0.9 | 1.5 | 2.1 | 2.7 | 3.3 | 3.9 | 4.5 |
|            |       |              |      |                         | LPM                | 15  | 25  | 35  | 45  | 55  | 65  | 75  |
| V32/0510   | 10    | 0.5          | 0.37 | TOTAL HEAD<br>IN METERS | 39                 | 36  | 32  | 26  | 20  | 14  | 8   |     |
| V32/7515   | 15    | 0.75         | 0.55 |                         | 59                 | 54  | 47  | 39  | 30  | 21  | 12  |     |
| V32/1020   | 20    | 1.0          | 0.75 |                         | 78                 | 72  | 63  | 52  | 40  | 28  | 16  |     |
| V32/1024   | 24    | 1.0          | 0.75 |                         | 94                 | 86  | 76  | 62  | 48  | 34  | 19  |     |
| V32/1528   | 28    | 1.5          | 1.1  |                         | 109                | 101 | 88  | 73  | 56  | 39  | 22  |     |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET SIZE : 32 MM     | DISCHARGE          |     |     |     |     |     |     |     |
|------------|-------|--------------|------|-------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                         | M <sup>3</sup> /hr | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 |
|            |       |              |      |                         | LPM                | 20  | 30  | 40  | 50  | 60  | 70  | 80  |
| V35/0508   | 8     | 0.5          | 0.37 | TOTAL HEAD<br>IN METERS | 31                 | 30  | 27  | 23  | 19  | 14  | 9   |     |
| V35/7512   | 12    | 0.75         | 0.55 |                         | 47                 | 44  | 40  | 35  | 28  | 21  | 13  |     |
| V35/1015   | 15    | 1.0          | 0.75 |                         | 59                 | 56  | 50  | 44  | 35  | 26  | 17  |     |
| V35/1520   | 20    | 1.5          | 1.1  |                         | 78                 | 74  | 67  | 58  | 47  | 35  | 22  |     |
| V35/1524   | 24    | 1.5          | 1.1  |                         | 94                 | 89  | 80  | 70  | 56  | 42  | 26  |     |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET SIZE : 32 MM     | DISCHARGE          |     |     |     |     |     |     |     |
|------------|-------|--------------|------|-------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                         | M <sup>3</sup> /hr | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 |
|            |       |              |      |                         | LPM                | 30  | 40  | 50  | 60  | 70  | 80  | 90  |
| V37/0506   | 6     | 0.5          | 0.37 | TOTAL HEAD<br>IN METERS | 25                 | 24  | 22  | 19  | 16  | 13  | 10  |     |
| V37/7508   | 8     | 0.75         | 0.55 |                         | 34                 | 32  | 29  | 25  | 21  | 17  | 13  |     |
| V37/1010   | 10    | 1.0          | 0.75 |                         | 42                 | 40  | 36  | 32  | 27  | 22  | 16  |     |
| V37/1512   | 12    | 1.5          | 1.1  |                         | 50                 | 48  | 43  | 38  | 32  | 26  | 19  |     |
| V37/1515   | 15    | 1.5          | 1.1  |                         | 63                 | 60  | 54  | 47  | 40  | 32  | 24  |     |

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**AQUA1 4" CORA JACKET TYPE  
SUBMERSIBLE PUMPSETS**

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET : 32 MM | DISCHARGE |     |     |     |     |     |     |    |
|------------|-------|--------------|------|----------------|-----------|-----|-----|-----|-----|-----|-----|----|
|            |       | H.P.         | K.W. |                | LPM       | 12  | 18  | 28  | 35  | 38  | 45  | 50 |
| 1VI0510    | 10    | 0.5          | 0.37 | HEAD (m)       | 55        | 52  | 47  | 42  | 38  | 34  | 30  |    |
| 1VI7515    | 15    | 0.75         | 0.55 |                | 83        | 78  | 70  | 63  | 57  | 50  | 44  |    |
| 1VI1018    | 18    | 1.0          | 0.75 |                | 99        | 94  | 84  | 76  | 68  | 60  | 53  |    |
| 1VI1524    | 24    | 1.5          | 1.1  |                | 132       | 125 | 112 | 101 | 91  | 80  | 71  |    |
| 1VI2030    | 30    | 2.0          | 1.5  |                | 165       | 156 | 140 | 126 | 114 | 101 | 89  |    |
| 1VI3040    | 40    | 3.0          | 2.2  |                | 220       | 208 | 186 | 168 | 152 | 134 | 118 |    |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET : 32 MM | DISCHARGE |     |     |     |     |     |    |    |
|------------|-------|--------------|------|----------------|-----------|-----|-----|-----|-----|-----|----|----|
|            |       | H.P.         | K.W. |                | LPM       | 20  | 30  | 40  | 45  | 50  | 55 | 60 |
| 2VI0507    | 7     | 0.5          | 0.37 | HEAD (m)       | 41        | 37  | 33  | 29  | 26  | 21  | 18 |    |
| 2VI7512    | 12    | 0.75         | 0.55 |                | 70        | 64  | 57  | 50  | 44  | 36  | 30 |    |
| 2VI1015    | 15    | 1.0          | 0.75 |                | 87        | 80  | 71  | 63  | 55  | 45  | 38 |    |
| 2VI1520    | 20    | 1.5          | 1.1  |                | 116       | 106 | 95  | 84  | 73  | 60  | 50 |    |
| 2VI2025    | 25    | 2.0          | 1.1  |                | 145       | 133 | 119 | 105 | 91  | 75  | 63 |    |
| 2VI3035    | 35    | 3.0          | 2.2  |                | 203       | 186 | 166 | 147 | 128 | 105 | 88 |    |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET : 32 MM | DISCHARGE |     |     |     |     |     |     |    |
|------------|-------|--------------|------|----------------|-----------|-----|-----|-----|-----|-----|-----|----|
|            |       | H.P.         | K.W. |                | LPM       | 22  | 40  | 55  | 70  | 80  | 90  | 95 |
| 4VI0506    | 6     | 0.5          | 0.37 | HEAD (m)       | 34        | 31  | 28  | 25  | 22  | 18  | 16  |    |
| 4VI7508    | 8     | 0.75         | 0.55 |                | 46        | 42  | 37  | 34  | 29  | 24  | 21  |    |
| 4VI1010    | 10    | 1.0          | 0.75 |                | 57        | 52  | 46  | 42  | 36  | 30  | 27  |    |
| 4VI1515    | 15    | 1.5          | 1.1  |                | 86        | 78  | 69  | 63  | 54  | 45  | 40  |    |
| 4VI2020    | 20    | 2.0          | 1.5  |                | 114       | 104 | 92  | 84  | 72  | 60  | 53  |    |
| 4VI3028    | 28    | 3.0          | 2.2  |                | 160       | 146 | 129 | 118 | 101 | 84  | 74  |    |
| 4VI5045    | 45    | 5.0          | 3.7  |                | 257       | 234 | 207 | 189 | 162 | 135 | 119 |    |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET : 32 MM | DISCHARGE |     |     |     |     |     |     |     |
|------------|-------|--------------|------|----------------|-----------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                | LPM       | 40  | 60  | 80  | 95  | 110 | 120 | 130 |
| 5VI1008    | 8     | 1.0          | 0.75 | HEAD (m)       | 45        | 41  | 37  | 32  | 28  | 24  | 20  |     |
| 5VI1512    | 12    | 1.5          | 1.1  |                | 67        | 61  | 55  | 48  | 42  | 36  | 30  |     |
| 5VI2015    | 15    | 2.0          | 1.5  |                | 84        | 76  | 69  | 60  | 53  | 45  | 38  |     |
| 5VI3025    | 25    | 3.0          | 2.2  |                | 140       | 127 | 115 | 100 | 88  | 75  | 63  |     |
| 5VI5040    | 40    | 5.0          | 3.7  |                | 224       | 203 | 184 | 160 | 140 | 120 | 100 |     |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET : 38 MM | DISCHARGE |     |     |     |     |     |     |     |
|------------|-------|--------------|------|----------------|-----------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                | LPM       | 50  | 90  | 100 | 110 | 130 | 140 | 155 |
| 7VI1007    | 7     | 1.0          | 0.75 | HEAD (m)       | 40        | 37  | 33  | 30  | 26  | 23  | 19  |     |
| 7VI1510    | 10    | 1.5          | 1.1  |                | 57        | 53  | 47  | 43  | 37  | 33  | 28  |     |
| 7VI2012    | 12    | 2.0          | 1.5  |                | 68        | 64  | 56  | 51  | 44  | 39  | 33  |     |
| 7VI3020    | 20    | 3.0          | 2.2  |                | 114       | 106 | 94  | 85  | 74  | 65  | 55  |     |
| 7VI5030    | 30    | 5.0          | 3.7  |                | 171       | 159 | 141 | 128 | 111 | 98  | 83  |     |



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SUBMERSIBLE PUMPSETS**

| PUMP<br>MODEL | STAGE | MOTOR RATING |      | OUTLET : 38 MM | DISCHARGE |     |     |     |     |     |     |     |
|---------------|-------|--------------|------|----------------|-----------|-----|-----|-----|-----|-----|-----|-----|
|               |       | H.P.         | K.W. |                | LPM       | 80  | 105 | 125 | 135 | 150 | 165 | 175 |
| 10VI1005      | 5     | 1.0          | 0.75 |                | HEAD (m)  | 28  | 26  | 23  | 21  | 18  | 15  | 13  |
| 10VI1508      | 8     | 1.5          | 1.1  |                |           | 44  | 41  | 37  | 33  | 28  | 24  | 21  |
| 10VI2010      | 10    | 2.0          | 1.5  |                |           | 55  | 51  | 46  | 41  | 35  | 30  | 27  |
| 10VI3015      | 15    | 3.0          | 2.2  |                |           | 83  | 77  | 69  | 62  | 53  | 45  | 40  |
| 10VI5025      | 25    | 5.0          | 3.7  | 138            |           | 128 | 115 | 103 | 88  | 75  | 66  |     |

| PUMP<br>MODEL | STAGE | MOTOR RATING |      | OUTLET:50MM | DISCHARGE |    |     |     |     |     |     |     |
|---------------|-------|--------------|------|-------------|-----------|----|-----|-----|-----|-----|-----|-----|
|               |       | H.P.         | K.W. |             | LPM       | 80 | 110 | 140 | 155 | 180 | 190 | 210 |
| 12VI1506      | 6     | 1.5          | 1.1  |             | HEAD (m)  | 31 | 28  | 25  | 23  | 20  | 18  | 13  |
| 12VI2008      | 8     | 2.0          | 1.5  |             |           | 41 | 37  | 33  | 30  | 26  | 24  | 18  |
| 12VI3012      | 12    | 3.0          | 2.2  |             |           | 61 | 55  | 49  | 46  | 40  | 36  | 26  |
| 12VI5020      | 20    | 5.0          | 3.7  | 102         |           | 92 | 82  | 76  | 66  | 60  | 44  |     |

**AQUA1 4" MIX FLOW SUBMERSIBLE PUMPSETS**

| PUMP<br>MODEL | STAGE | MOTOR RATING |      | OUTLET:50MM | DISCHARGE   |     |     |     |     |     |     |     |
|---------------|-------|--------------|------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|
|               |       | H.P.         | K.W. |             | LPM         | 150 | 200 | 250 | 300 | 350 | 400 | 450 |
| 18VR2006      | 6     | 2.0          | 1.5  |             | HEAD<br>(m) | 27  | 24  | 22  | 18  | 14  | 9   | 5   |
| 18VR3009      | 9     | 3.0          | 2.2  |             |             | 41  | 36  | 32  | 27  | 21  | 14  | 8   |
| 18VR5014      | 14    | 5.0          | 3.7  |             |             | 63  | 57  | 50  | 41  | 32  | 22  | 12  |

| PUMP<br>MODEL | STAGE | MOTOR RATING |      | OUTLET:50MM | DISCHARGE   |     |     |     |     |     |     |     |
|---------------|-------|--------------|------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|
|               |       | H.P.         | K.W. |             | LPM         | 180 | 230 | 280 | 330 | 380 | 430 | 480 |
| 20VR2005      | 5     | 2.0          | 1.5  |             | HEAD<br>(m) | 24  | 22  | 20  | 17  | 14  | 11  | 7   |
| 20VR3008      | 8     | 3.0          | 2.2  |             |             | 38  | 35  | 31  | 27  | 22  | 17  | 10  |
| 20VR5011      | 11    | 5.0          | 3.7  |             |             | 52  | 48  | 43  | 37  | 31  | 23  | 14  |



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SUBMERSIBLE PUMPSETS**

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET SIZE : 32 MM  | DISCHARGE |     |     |     |     |     |     |     |
|------------|-------|--------------|------|----------------------|-----------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                      | LPM       | 5   | 15  | 20  | 25  | 30  | 35  | 45  |
| VR4/25/8   | 8     | 0.5          | 0.37 | TOTAL HEAD IN METERS |           | 54  | 48  | 44  | 40  | 36  | 32  | 20  |
| VR4/25/12  | 12    | 0.75         | 0.55 |                      |           | 81  | 72  | 67  | 61  | 54  | 47  | 31  |
| VR4/25/17  | 17    | 1.0          | 0.75 |                      |           | 115 | 102 | 94  | 86  | 77  | 67  | 43  |
| VR4/25/24  | 24    | 1.5          | 1.1  |                      |           | 162 | 144 | 133 | 121 | 108 | 95  | 61  |
| VR4/25/26  | 26    | 1.5          | 1.1  |                      |           | 176 | 156 | 144 | 131 | 117 | 103 | 66  |
| VR4/25/32  | 32    | 2.0          | 1.5  |                      |           | 216 | 192 | 178 | 162 | 144 | 126 | 82  |
| VR4/25/46  | 46    | 3.0          | 2.2  |                      |           | 311 | 276 | 255 | 232 | 207 | 182 | 117 |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET SIZE : 32 MM  | DISCHARGE |     |     |     |     |     |     |     |
|------------|-------|--------------|------|----------------------|-----------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                      | LPM       | 10  | 20  | 25  | 30  | 35  | 40  | 50  |
| VR4/3/7    | 7     | 0.5          | 0.37 | TOTAL HEAD IN METERS |           | 50  | 45  | 41  | 37  | 32  | 27  | 14  |
| VR4/3/11   | 11    | 0.75         | 0.55 |                      |           | 79  | 70  | 64  | 58  | 51  | 42  | 22  |
| VR4/3/15   | 15    | 1.0          | 0.75 |                      |           | 108 | 96  | 88  | 80  | 69  | 57  | 30  |
| VR4/3/20   | 20    | 1.5          | 1.1  |                      |           | 144 | 128 | 117 | 106 | 92  | 76  | 40  |
| VR4/3/22   | 22    | 1.5          | 1.1  |                      |           | 158 | 141 | 129 | 117 | 101 | 84  | 44  |
| VR4/3/26   | 26    | 2.0          | 1.5  |                      |           | 187 | 166 | 152 | 138 | 120 | 99  | 52  |
| VR4/3/28   | 28    | 2.0          | 1.5  |                      |           | 202 | 179 | 164 | 148 | 129 | 106 | 56  |
| VR4/3/42   | 42    | 3.0          | 2.2  |                      |           | 302 | 269 | 246 | 223 | 193 | 160 | 84  |
| VR4/3/50   | 50    | 4.0          | 3.0  |                      |           | 360 | 320 | 293 | 265 | 230 | 190 | 100 |

| PUMP MODEL | STAGE | MOTOR RATING |      | OUTLET SIZE : 32 MM  | DISCHARGE |     |     |     |     |     |     |     |
|------------|-------|--------------|------|----------------------|-----------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                      | LPM       | 15  | 25  | 30  | 35  | 40  | 45  | 55  |
| VR4/35/10  | 10    | 0.75         | 0.55 | TOTAL HEAD IN METERS |           | 75  | 67  | 61  | 54  | 48  | 41  | 25  |
| VR4/35/13  | 13    | 1.0          | 0.75 |                      |           | 98  | 86  | 79  | 70  | 62  | 53  | 33  |
| VR4/35/18  | 18    | 1.5          | 1.1  |                      |           | 135 | 120 | 109 | 97  | 86  | 74  | 45  |
| VR4/35/24  | 24    | 2.0          | 1.5  |                      |           | 180 | 160 | 145 | 130 | 115 | 98  | 60  |
| VR4/35/30  | 30    | 3.0          | 2.2  |                      |           | 225 | 200 | 182 | 162 | 144 | 123 | 75  |
| VR4/35/32  | 32    | 3.0          | 2.2  |                      |           | 240 | 213 | 194 | 173 | 154 | 131 | 80  |
| VR4/35/42  | 42    | 4.0          | 3.0  |                      |           | 315 | 279 | 254 | 227 | 202 | 172 | 105 |
| VR4/35/50  | 50    | 5.0          | 3.7  |                      |           | 375 | 333 | 303 | 270 | 240 | 205 | 125 |
| VR4/35/55  | 55    | 6.0          | 4.5  |                      |           | 413 | 366 | 333 | 297 | 264 | 226 | 138 |



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SUBMERSIBLE PUMPSETS**

| PUMP MODEL | STAGE | MOTOR RATING |      |                     | DISCHARGE            |     |     |     |     |     |     |     |
|------------|-------|--------------|------|---------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                     | LPM                  | 10  | 30  | 40  | 50  | 60  | 70  | 90  |
| VR4/5/6    | 6     | 0.5          | 0.37 | OUTLET SIZE : 32 MM | TOTAL HEAD IN METERS | 43  | 38  | 35  | 32  | 28  | 24  | 14  |
| VR4/5/8    | 8     | 0.75         | 0.55 |                     |                      | 57  | 50  | 47  | 42  | 38  | 32  | 18  |
| VR4/5/10   | 10    | 1.0          | 0.75 |                     |                      | 71  | 63  | 59  | 53  | 47  | 40  | 23  |
| VR4/5/15   | 15    | 1.5          | 1.1  |                     |                      | 107 | 95  | 88  | 80  | 71  | 60  | 35  |
| VR4/5/20   | 20    | 2.0          | 1.5  |                     |                      | 142 | 126 | 117 | 106 | 94  | 80  | 46  |
| VR4/5/26   | 26    | 3.0          | 2.2  |                     |                      | 185 | 164 | 152 | 138 | 122 | 104 | 60  |
| VR4/5/35   | 35    | 4.0          | 3.0  |                     |                      | 249 | 221 | 205 | 186 | 165 | 140 | 81  |
| VR4/5/42   | 42    | 5.0          | 3.7  |                     |                      | 298 | 265 | 246 | 223 | 197 | 168 | 97  |
| VR4/5/45   | 45    | 5.0          | 3.7  |                     |                      | 320 | 284 | 263 | 239 | 212 | 180 | 104 |
| VR4/5/50   | 50    | 6.0          | 4.5  |                     |                      | 355 | 315 | 293 | 265 | 235 | 200 | 115 |

| PUMP MODEL | STAGE | MOTOR RATING |      |                     | DISCHARGE            |     |     |     |     |     |     |     |
|------------|-------|--------------|------|---------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                     | LPM                  | 30  | 40  | 50  | 60  | 70  | 80  | 90  |
| VR4/6/6    | 6     | 0.75         | 0.55 | OUTLET SIZE : 32 MM | TOTAL HEAD IN METERS | 44  | 42  | 38  | 34  | 28  | 23  | 16  |
| VR4/6/8    | 8     | 1.0          | 0.75 |                     |                      | 59  | 56  | 51  | 45  | 38  | 30  | 22  |
| VR4/6/10   | 10    | 1.5          | 1.1  |                     |                      | 74  | 70  | 64  | 56  | 47  | 38  | 27  |
| VR4/6/12   | 12    | 1.5          | 1.1  |                     |                      | 89  | 84  | 77  | 67  | 56  | 46  | 32  |
| VR4/6/16   | 16    | 2.0          | 1.5  |                     |                      | 118 | 112 | 102 | 90  | 75  | 61  | 43  |
| VR4/6/18   | 18    | 2.0          | 1.5  |                     |                      | 133 | 126 | 115 | 101 | 85  | 68  | 49  |
| VR4/6/24   | 24    | 3.0          | 2.2  |                     |                      | 178 | 168 | 154 | 134 | 113 | 91  | 65  |
| VR4/6/30   | 30    | 4.0          | 3.0  |                     |                      | 222 | 210 | 192 | 168 | 141 | 114 | 81  |
| VR4/6/38   | 38    | 5.0          | 3.7  |                     |                      | 281 | 266 | 243 | 213 | 179 | 144 | 103 |
| VR4/6/45   | 45    | 6.0          | 4.5  |                     |                      | 333 | 315 | 288 | 252 | 212 | 171 | 122 |
| VR4/6/55   | 55    | 7.5          | 5.5  |                     |                      | 407 | 385 | 352 | 308 | 259 | 209 | 149 |

| PUMP MODEL | STAGE | MOTOR RATING |      |                     | DISCHARGE            |     |     |     |     |     |     |     |
|------------|-------|--------------|------|---------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                     | LPM                  | 40  | 50  | 60  | 70  | 80  | 90  | 100 |
| VR4/7/5    | 5     | 0.75         | 0.55 | OUTLET SIZE : 38 MM | TOTAL HEAD IN METERS | 34  | 31  | 29  | 26  | 23  | 19  | 16  |
| VR4/7/7    | 7     | 1.0          | 0.75 |                     |                      | 47  | 44  | 40  | 36  | 32  | 27  | 22  |
| VR4/7/11   | 11    | 1.5          | 1.1  |                     |                      | 74  | 69  | 63  | 57  | 50  | 42  | 34  |
| VR4/7/15   | 15    | 2.0          | 1.5  |                     |                      | 101 | 94  | 86  | 77  | 68  | 57  | 47  |
| VR4/7/20   | 20    | 3.0          | 2.2  |                     |                      | 134 | 125 | 115 | 103 | 90  | 76  | 62  |
| VR4/7/23   | 23    | 3.0          | 2.2  |                     |                      | 154 | 144 | 132 | 118 | 104 | 87  | 71  |
| VR4/7/28   | 28    | 4.0          | 3.0  |                     |                      | 188 | 175 | 161 | 144 | 126 | 106 | 87  |
| VR4/7/32   | 32    | 5.0          | 3.7  |                     |                      | 214 | 200 | 184 | 165 | 144 | 122 | 99  |
| VR4/7/36   | 36    | 5.0          | 3.7  |                     |                      | 241 | 225 | 207 | 185 | 162 | 137 | 112 |
| VR4/7/42   | 42    | 6.0          | 4.5  |                     |                      | 281 | 263 | 242 | 216 | 189 | 160 | 130 |
| VR4/7/50   | 50    | 7.5          | 5.5  |                     |                      | 335 | 313 | 288 | 258 | 225 | 190 | 155 |

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**AQUA1 4" (PLATINIUM) R-SERIES  
SUBMERSIBLE PUMPSETS**

| PUMP MODEL | STAGE | MOTOR RATING |      |                     | DISCHARGE            |     |     |     |     |     |     |     |
|------------|-------|--------------|------|---------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                     | LPM                  | 40  | 60  | 80  | 100 | 120 | 140 | 160 |
| VR4/10/6   | 6     | 1.0          | 0.75 | OUTLET SIZE : 38 MM | TOTAL HEAD IN METERS | 38  | 35  | 31  | 26  | 21  | 14  | 9   |
| VR4/10/8   | 8     | 1.5          | 1.1  |                     |                      | 50  | 46  | 41  | 35  | 28  | 19  | 12  |
| VR4/10/10  | 10    | 1.5          | 1.1  |                     |                      | 63  | 58  | 51  | 44  | 35  | 24  | 15  |
| VR4/10/12  | 12    | 2.0          | 1.5  |                     |                      | 76  | 70  | 61  | 53  | 42  | 29  | 18  |
| VR4/10/18  | 18    | 3.0          | 2.2  |                     |                      | 113 | 104 | 92  | 79  | 63  | 43  | 27  |
| VR4/10/24  | 24    | 4.0          | 3.0  |                     |                      | 151 | 139 | 122 | 106 | 84  | 58  | 36  |
| VR4/10/30  | 30    | 5.0          | 3.7  |                     |                      | 189 | 174 | 153 | 132 | 105 | 72  | 45  |
| VR4/10/35  | 35    | 6.0          | 4.5  |                     |                      | 221 | 203 | 179 | 154 | 123 | 84  | 53  |
| VR4/10/40  | 40    | 7.5          | 5.5  |                     |                      | 252 | 232 | 204 | 176 | 140 | 96  | 60  |

| PUMP MODEL | STAGE | MOTOR RATING |      |                     | DISCHARGE            |     |     |     |     |     |     |     |
|------------|-------|--------------|------|---------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                     | LPM                  | 50  | 80  | 100 | 120 | 140 | 160 | 190 |
| VR4/12/5   | 5     | 1.0          | 0.75 | OUTLET SIZE : 50 MM | TOTAL HEAD IN METERS | 33  | 30  | 28  | 25  | 22  | 18  | 11  |
| VR4/12/7   | 7     | 1.5          | 1.1  |                     |                      | 46  | 42  | 39  | 35  | 30  | 25  | 15  |
| VR4/12/10  | 10    | 2.0          | 1.5  |                     |                      | 65  | 60  | 56  | 50  | 44  | 35  | 21  |
| VR4/12/15  | 15    | 3.0          | 2.2  |                     |                      | 98  | 90  | 84  | 75  | 65  | 53  | 32  |
| VR4/12/19  | 19    | 4.0          | 3.0  |                     |                      | 124 | 114 | 106 | 95  | 83  | 67  | 40  |
| VR4/12/22  | 22    | 5.0          | 3.7  |                     |                      | 143 | 132 | 123 | 110 | 96  | 77  | 46  |
| VR4/12/25  | 25    | 5.0          | 3.7  |                     |                      | 163 | 150 | 140 | 125 | 109 | 88  | 53  |
| VR4/12/30  | 30    | 6.0          | 4.5  |                     |                      | 195 | 180 | 168 | 150 | 131 | 105 | 63  |
| VR4/12/35  | 35    | 7.5          | 5.5  |                     |                      | 228 | 210 | 196 | 175 | 152 | 123 | 74  |

| PUMP MODEL | STAGE | MOTOR RATING |      |                     | DISCHARGE            |     |     |     |     |     |     |     |
|------------|-------|--------------|------|---------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.         | K.W. |                     | LPM                  | 110 | 130 | 150 | 170 | 190 | 210 | 230 |
| VR4/17/6   | 6     | 1.5          | 1.1  | OUTLET SIZE : 50 MM | TOTAL HEAD IN METERS | 30  | 28  | 25  | 22  | 18  | 14  | 11  |
| VR4/17/8   | 8     | 2.0          | 1.5  |                     |                      | 40  | 37  | 33  | 29  | 24  | 19  | 15  |
| VR4/17/10  | 10    | 3.0          | 2.2  |                     |                      | 50  | 46  | 41  | 36  | 30  | 24  | 19  |
| VR4/17/12  | 12    | 3.0          | 2.2  |                     |                      | 60  | 55  | 49  | 43  | 36  | 29  | 23  |
| VR4/17/16  | 16    | 4.0          | 3.0  |                     |                      | 80  | 74  | 66  | 58  | 48  | 38  | 30  |
| VR4/17/20  | 20    | 5.0          | 3.7  |                     |                      | 100 | 92  | 82  | 72  | 60  | 48  | 38  |
| VR4/17/24  | 24    | 6.0          | 4.5  |                     |                      | 120 | 110 | 98  | 86  | 72  | 58  | 46  |
| VR4/17/30  | 30    | 7.5          | 5.5  |                     |                      | 150 | 138 | 123 | 108 | 90  | 72  | 57  |



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**AQUA1 4" (PLATINIUM) R-SERIES  
SUBMERSIBLE PUMPSETS****AQUA1 4" CI BOWL MIX FLOW SUBMERSIBLE PUMPSETS**

| PUMP MODEL | STAGE | MOTOR |      | OUTLET : 50/65 MM | DISCHARGE |     |     |     |     |     |     |     |
|------------|-------|-------|------|-------------------|-----------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.  | K.W. |                   | LPM       | 185 | 230 | 280 | 340 | 390 | 430 | 470 |
| 18VIC2006  | 6     | 2.0   | 1.5  | HEAD (m)          | 27        | 24  | 22  | 18  | 14  | 9   | 5   |     |
| 18VIC3008  | 8     | 3.0   | 2.2  |                   | 36        | 32  | 29  | 24  | 18  | 12  | 7   |     |
| 18VIC3009  | 9     | 3.0   | 2.2  |                   | 41        | 36  | 32  | 27  | 21  | 14  | 8   |     |
| 18VIC5014  | 14    | 5.0   | 3.7  |                   | 63        | 57  | 50  | 41  | 32  | 22  | 12  |     |

| PUMP MODEL | STAGE | MOTOR |      | OUTLET : 50/65 MM | DISCHARGE |     |     |     |     |     |     |     |
|------------|-------|-------|------|-------------------|-----------|-----|-----|-----|-----|-----|-----|-----|
|            |       | H.P.  | K.W. |                   | LPM       | 200 | 260 | 310 | 370 | 415 | 450 | 485 |
| 20VIC2005  | 5     | 2.0   | 1.5  | HEAD (m)          | 24        | 20  | 18  | 15  | 12  | 8   | 4   |     |
| 20VIC3007  | 7     | 3.0   | 2.2  |                   | 34        | 28  | 25  | 21  | 16  | 11  | 6   |     |



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**AQUA1 6" (60 FEET) HIGH HEAD  
SUBMERSIBLE PUMPSETS**

| PUMP MODEL  | STAGE | MOTOR RATING |      | OUTLET SIZE : 50 MM  | DISCHARGE          |     |     |     |     |     |     |      |
|-------------|-------|--------------|------|----------------------|--------------------|-----|-----|-----|-----|-----|-----|------|
|             |       | H.P.         | K.W. |                      | M <sup>3</sup> /hr | 2.4 | 4.2 | 5.4 | 6.6 | 7.8 | 9.0 | 10.8 |
|             |       |              |      |                      | LPM                | 40  | 70  | 90  | 110 | 130 | 150 | 180  |
| VRS65/11/6  | 6     | 3.0          | 2.2  | TOTAL HEAD IN METERS | 86                 | 85  | 83  | 79  | 72  | 61  | 41  |      |
| VRS65/11/8  | 8     | 4.0          | 3.0  |                      | 115                | 113 | 110 | 105 | 96  | 82  | 54  |      |
| VRS65/11/10 | 10    | 5.0          | 3.7  |                      | 144                | 141 | 138 | 131 | 120 | 102 | 68  |      |
| VRS65/11/12 | 12    | 6.0          | 4.5  |                      | 173                | 169 | 165 | 157 | 143 | 122 | 82  |      |
| VRS65/11/15 | 15    | 7.5          | 5.5  |                      | 216                | 212 | 206 | 197 | 179 | 153 | 102 |      |
| VRS65/11/20 | 20    | 10.0         | 7.5  |                      | 288                | 282 | 275 | 262 | 239 | 204 | 136 |      |
| VRS65/11/24 | 24    | 12.5         | 9.3  |                      | 346                | 338 | 330 | 314 | 287 | 245 | 163 |      |
| VRS65/11/30 | 30    | 15.0         | 11.0 |                      | 432                | 423 | 413 | 393 | 359 | 306 | 204 |      |

| PUMP MODEL  | STAGE | MOTOR RATING |      | OUTLET SIZE : 50 MM  | DISCHARGE          |     |     |     |     |      |      |      |
|-------------|-------|--------------|------|----------------------|--------------------|-----|-----|-----|-----|------|------|------|
|             |       | H.P.         | K.W. |                      | M <sup>3</sup> /hr | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 |
|             |       |              |      |                      | LPM                | 75  | 100 | 125 | 150 | 175  | 200  | 225  |
| VRS66/15/5  | 5     | 3.0          | 2.2  | TOTAL HEAD IN METERS | 77                 | 73  | 68  | 61  | 52  | 44   | 35   |      |
| VRS66/15/6  | 6     | 4.0          | 3.0  |                      | 92                 | 88  | 81  | 73  | 62  | 52   | 42   |      |
| VRS66/15/8  | 8     | 5.0          | 3.7  |                      | 122                | 117 | 108 | 97  | 83  | 70   | 56   |      |
| VRS66/15/10 | 10    | 6.0          | 4.5  |                      | 153                | 147 | 135 | 121 | 104 | 87   | 70   |      |
| VRS66/15/12 | 12    | 7.5          | 5.5  |                      | 184                | 176 | 162 | 145 | 125 | 104  | 84   |      |
| VRS66/15/16 | 16    | 10.0         | 7.5  |                      | 245                | 234 | 216 | 194 | 166 | 139  | 112  |      |
| VRS66/15/20 | 20    | 12.5         | 9.3  |                      | 306                | 293 | 270 | 242 | 208 | 174  | 140  |      |
| VRS66/15/24 | 24    | 15.0         | 11.0 |                      | 367                | 352 | 324 | 290 | 250 | 209  | 168  |      |

| PUMP MODEL  | STAGE | MOTOR RATING |      | OUTLET SIZE : 50 MM | DISCHARGE            |     |     |      |      |      |      |      |
|-------------|-------|--------------|------|---------------------|----------------------|-----|-----|------|------|------|------|------|
|             |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 6.0 | 8.4 | 10.8 | 12.0 | 13.2 | 15.6 | 18.0 |
|             |       |              |      |                     | LPM                  | 100 | 140 | 180  | 200  | 220  | 260  | 300  |
| VRS68/20/4  | 4     | 3.0          | 2.2  |                     | TOTAL HEAD IN METERS | 61  | 58  | 52   | 48   | 44   | 36   | 24   |
| VRS68/20/5  | 5     | 4.0          | 3.0  |                     |                      | 76  | 72  | 65   | 61   | 55   | 45   | 30   |
| VRS68/20/6  | 6     | 5.0          | 3.7  |                     |                      | 91  | 86  | 78   | 73   | 66   | 53   | 35   |
| VRS68/20/8  | 8     | 6.0          | 4.5  |                     |                      | 122 | 115 | 104  | 97   | 88   | 71   | 47   |
| VRS68/20/10 | 10    | 7.5          | 5.5  |                     |                      | 152 | 144 | 131  | 121  | 110  | 89   | 59   |
| VRS68/20/12 | 12    | 10.0         | 7.5  |                     |                      | 182 | 173 | 157  | 145  | 132  | 107  | 71   |
| VRS68/20/15 | 15    | 12.5         | 9.3  |                     |                      | 228 | 216 | 196  | 182  | 165  | 134  | 89   |
| VRS68/20/18 | 18    | 15.0         | 11.0 | 274                 |                      | 259 | 235 | 218  | 198  | 160  | 106  |      |
| VRS68/20/21 | 21    | 17.5         | 13.0 | 319                 |                      | 302 | 274 | 254  | 231  | 187  | 124  |      |
| VRS68/20/24 | 24    | 20.0         | 15.0 | 365                 | 346                  | 313 | 290 | 264  | 214  | 142  |      |      |

| PUMP MODEL   | STAGE | MOTOR RATING |      |                     | DISCHARGE            |     |      |      |      |      |      |      |
|--------------|-------|--------------|------|---------------------|----------------------|-----|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                     | M³/hr                | 7.2 | 10.2 | 13.2 | 15.0 | 16.8 | 19.8 | 22.8 |
|              |       |              |      |                     | LPM                  | 120 | 170  | 220  | 250  | 280  | 330  | 380  |
| VRS610/25/3  | 3     | 3.0          | 2.2  | OUTLET SIZE : 65 MM | TOTAL HEAD IN METERS | 47  | 45   | 41   | 38   | 35   | 25   | 16   |
| VRS610/25/4  | 4     | 4.0          | 3.0  |                     |                      | 63  | 60   | 55   | 51   | 46   | 34   | 21   |
| VRS610/25/5  | 5     | 5.0          | 3.7  |                     |                      | 78  | 75   | 69   | 64   | 58   | 42   | 27   |
| VRS610/25/6  | 6     | 6.0          | 4.5  |                     |                      | 94  | 89   | 82   | 77   | 69   | 51   | 32   |
| VRS610/25/8  | 8     | 7.5          | 5.5  |                     |                      | 125 | 119  | 110  | 102  | 92   | 68   | 42   |
| VRS610/25/10 | 10    | 10.0         | 7.5  |                     |                      | 157 | 149  | 137  | 128  | 115  | 85   | 53   |
| VRS610/25/12 | 12    | 12.5         | 9.3  |                     |                      | 188 | 179  | 164  | 153  | 138  | 101  | 64   |
| VRS610/25/15 | 15    | 15.0         | 11.0 |                     |                      | 235 | 224  | 206  | 191  | 173  | 127  | 80   |
| VRS610/25/18 | 18    | 17.5         | 13.0 |                     |                      | 282 | 268  | 247  | 230  | 207  | 152  | 95   |
| VRS610/25/20 | 20    | 20.0         | 15.0 |                     |                      | 313 | 298  | 274  | 255  | 230  | 169  | 106  |
| VRS610/25/25 | 25    | 25.0         | 18.5 |                     |                      | 391 | 373  | 343  | 319  | 288  | 211  | 133  |
| VRS610/25/30 | 30    | 30.0         | 22.0 |                     |                      | 470 | 447  | 411  | 383  | 345  | 254  | 159  |



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**AQUA1 6" (60 FEET) HIGH HEAD  
SUBMERSIBLE PUMPSETS**

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 65 MM | DISCHARGE            |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|---------------------|----------------------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 12.0 | 15.6 | 18.0 | 20.4 | 22.8 | 25.2 | 28.8 |
|              |       |              |      |                     | LPM                  | 200  | 260  | 300  | 340  | 380  | 420  | 480  |
| VRS612/34/4  | 4     | 5.0          | 3.7  |                     | TOTAL HEAD IN METERS | 60   | 57   | 53   | 49   | 44   | 38   | 28   |
| VRS612/34/5  | 5     | 6.0          | 4.5  |                     |                      | 75   | 71   | 67   | 61   | 55   | 48   | 35   |
| VRS612/34/6  | 6     | 7.5          | 5.5  |                     |                      | 89   | 85   | 80   | 73   | 66   | 57   | 42   |
| VRS612/34/8  | 8     | 10.0         | 7.5  |                     |                      | 119  | 113  | 107  | 98   | 88   | 76   | 56   |
| VRS612/34/10 | 10    | 12.5         | 9.3  |                     |                      | 149  | 142  | 134  | 122  | 110  | 95   | 70   |
| VRS612/34/12 | 12    | 15.0         | 11.0 |                     |                      | 179  | 170  | 160  | 146  | 132  | 114  | 84   |
| VRS612/34/14 | 14    | 17.5         | 13.0 |                     |                      | 209  | 198  | 187  | 171  | 154  | 133  | 98   |
| VRS612/34/16 | 16    | 20.0         | 15.0 | 238                 |                      | 226  | 214  | 195  | 176  | 152  | 112  |      |
| VRS612/34/20 | 20    | 25.0         | 18.5 | 298                 |                      | 283  | 267  | 244  | 220  | 190  | 140  |      |
| VRS612/34/24 | 24    | 30.0         | 22.0 | 358                 | 340                  | 320  | 293  | 264  | 228  | 168  |      |      |

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 65 MM | DISCHARGE            |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|---------------------|----------------------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 14.4 | 19.2 | 22.2 | 24.6 | 27.0 | 30.0 | 34.8 |
|              |       |              |      |                     | LPM                  | 240  | 320  | 370  | 410  | 450  | 500  | 580  |
| VRS615/41/2  | 2     | 3.0          | 2.2  |                     | TOTAL HEAD IN METERS | 30   | 28   | 26   | 24   | 21   | 18   | 12   |
| VRS615/41/3  | 3     | 5.0          | 3.7  |                     |                      | 45   | 42   | 39   | 36   | 32   | 27   | 17   |
| VRS615/41/4  | 4     | 6.0          | 4.5  |                     |                      | 60   | 57   | 52   | 47   | 43   | 36   | 23   |
| VRS615/41/5  | 5     | 7.5          | 5.5  |                     |                      | 75   | 71   | 65   | 59   | 53   | 45   | 29   |
| VRS615/41/7  | 7     | 10.0         | 7.5  |                     |                      | 105  | 99   | 91   | 83   | 75   | 62   | 41   |
| VRS615/41/8  | 8     | 12.5         | 9.3  |                     |                      | 120  | 113  | 104  | 95   | 85   | 71   | 46   |
| VRS615/41/10 | 10    | 15.0         | 11.0 |                     |                      | 150  | 142  | 130  | 119  | 107  | 89   | 58   |
| VRS615/41/12 | 12    | 17.5         | 13.0 |                     |                      | 180  | 170  | 156  | 142  | 128  | 107  | 70   |
| VRS615/41/13 | 13    | 20.0         | 15.0 | 195                 |                      | 184  | 169  | 154  | 138  | 116  | 75   |      |
| VRS615/41/17 | 17    | 25.0         | 18.5 | 255                 |                      | 241  | 221  | 201  | 181  | 151  | 99   |      |
| VRS615/41/20 | 20    | 30.0         | 22.0 | 300                 | 283                  | 260  | 237  | 213  | 178  | 116  |      |      |

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 65 MM | DISCHARGE            |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|---------------------|----------------------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 13.8 | 19.8 | 24.0 | 30.0 | 36.0 | 40.2 | 46.2 |
|              |       |              |      |                     | LPM                  | 230  | 330  | 400  | 500  | 600  | 670  | 770  |
| VRS620/50/3  | 3     | 6.0          | 4.5  |                     | TOTAL HEAD IN METERS | 44   | 42   | 39   | 34   | 28   | 23   | 15   |
| VRS620/50/4  | 4     | 7.5          | 5.5  |                     |                      | 59   | 56   | 52   | 46   | 37   | 31   | 20   |
| VRS620/50/5  | 5     | 10.0         | 7.5  |                     |                      | 74   | 70   | 65   | 57   | 47   | 39   | 25   |
| VRS620/50/6  | 6     | 12.5         | 9.3  |                     |                      | 89   | 83   | 78   | 68   | 56   | 46   | 29   |
| VRS620/50/8  | 8     | 15.0         | 11   |                     |                      | 118  | 111  | 104  | 91   | 74   | 62   | 39   |
| VRS620/50/9  | 9     | 17.5         | 13.0 |                     |                      | 133  | 125  | 117  | 103  | 84   | 69   | 44   |
| VRS620/50/10 | 10    | 20.0         | 15   |                     |                      | 148  | 139  | 130  | 114  | 93   | 77   | 49   |
| VRS620/50/12 | 12    | 25.0         | 18.5 | 178                 |                      | 167  | 156  | 137  | 112  | 92   | 59   |      |
| VRS620/50/15 | 15    | 30.0         | 22   | 222                 |                      | 209  | 195  | 171  | 140  | 116  | 74   |      |

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 65 MM | DISCHARGE            |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|---------------------|----------------------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 19.2 | 22.8 | 27.6 | 33.0 | 38.4 | 43.2 | 46.8 |
|              |       |              |      |                     | LPM                  | 320  | 380  | 460  | 550  | 640  | 720  | 780  |
| VRS625/55/2  | 2     | 5.0          | 3.7  |                     | TOTAL HEAD IN METERS | 30   | 30   | 28   | 24   | 19   | 14   | 10   |
| VRS625/55/3  | 3     | 7.5          | 5.5  |                     |                      | 46   | 44   | 41   | 36   | 29   | 22   | 15   |
| VRS625/55/4  | 4     | 10.0         | 7.5  |                     |                      | 61   | 59   | 55   | 48   | 39   | 29   | 20   |
| VRS625/55/5  | 5     | 12.5         | 9.3  |                     |                      | 76   | 74   | 69   | 60   | 49   | 36   | 25   |
| VRS625/55/6  | 6     | 15.0         | 11.0 |                     |                      | 91   | 89   | 83   | 72   | 58   | 43   | 30   |
| VRS625/55/7  | 7     | 17.5         | 13.0 |                     |                      | 106  | 104  | 97   | 84   | 68   | 50   | 35   |
| VRS625/55/8  | 8     | 20.0         | 15.0 |                     |                      | 122  | 118  | 110  | 96   | 78   | 58   | 40   |
| VRS625/55/10 | 10    | 25.0         | 18.5 | 152                 |                      | 148  | 138  | 120  | 97   | 72   | 50   |      |
| VRS625/55/12 | 12    | 30.0         | 22.0 | 182                 |                      | 178  | 166  | 144  | 116  | 86   | 60   |      |



**AQUA1**

Submersible Pumps | Panels | Cables

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**AQUA1 6" (RADIAL FLOW)  
SUBMERSIBLE PUMPSETS**

| PUMP MODEL  | STAGE | MOTOR RATING |      | OUTLET SIZE : 50 MM | DISCHARGE            |     |     |     |     |     |      |      |
|-------------|-------|--------------|------|---------------------|----------------------|-----|-----|-----|-----|-----|------|------|
|             |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 3.0 | 4.8 | 6.0 | 7.8 | 9.6 | 10.8 | 12.6 |
|             |       |              |      |                     | LPM                  | 50  | 80  | 100 | 130 | 160 | 180  | 210  |
| VRC63/13/10 | 10    | 3.0          | 2.2  |                     | TOTAL HEAD IN METERS | 94  | 89  | 85  | 78  | 68  | 60   | 48   |
| VRC63/13/12 | 12    | 4.0          | 3.0  |                     |                      | 113 | 107 | 102 | 94  | 82  | 72   | 57   |
| VRC63/13/14 | 14    | 5.0          | 3.7  |                     |                      | 132 | 125 | 119 | 109 | 95  | 84   | 67   |
| VRC63/13/18 | 18    | 6.0          | 4.5  |                     |                      | 169 | 160 | 153 | 140 | 122 | 108  | 86   |
| VRC63/13/22 | 22    | 7.5          | 5.5  |                     |                      | 207 | 196 | 187 | 172 | 150 | 132  | 105  |
| VRC63/13/24 | 24    | 7.5          | 5.5  |                     |                      | 226 | 214 | 204 | 187 | 163 | 144  | 114  |
| VRC63/13/26 | 26    | 7.5          | 5.5  |                     |                      | 244 | 231 | 221 | 203 | 177 | 156  | 124  |
| VRC63/13/28 | 28    | 7.5          | 5.5  | 263                 |                      | 249 | 238 | 218 | 190 | 168 | 133  |      |
| VRC63/13/30 | 30    | 10.0         | 7.5  | 282                 |                      | 267 | 255 | 234 | 204 | 180 | 143  |      |

| PUMP MODEL  | STAGE | MOTOR RATING |      | OUTLET SIZE : 50 MM | DISCHARGE            |     |     |     |     |      |      |      |
|-------------|-------|--------------|------|---------------------|----------------------|-----|-----|-----|-----|------|------|------|
|             |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 4.2 | 6.0 | 7.2 | 9.0 | 10.8 | 12.0 | 13.8 |
|             |       |              |      |                     | LPM                  | 70  | 100 | 120 | 150 | 180  | 200  | 230  |
| VRC64/15/7  | 7     | 3.0          | 2.2  |                     | TOTAL HEAD IN METERS | 67  | 63  | 60  | 55  | 48   | 43   | 34   |
| VRC64/15/8  | 8     | 3.0          | 2.2  |                     |                      | 76  | 72  | 69  | 63  | 55   | 49   | 39   |
| VRC64/15/10 | 10    | 4.0          | 3.0  |                     |                      | 95  | 90  | 86  | 79  | 69   | 62   | 49   |
| VRC64/15/12 | 12    | 5.0          | 3.7  |                     |                      | 114 | 108 | 103 | 95  | 83   | 74   | 59   |
| VRC64/15/14 | 14    | 6.0          | 4.5  |                     |                      | 133 | 126 | 120 | 111 | 97   | 86   | 69   |
| VRC64/15/15 | 15    | 6.0          | 4.5  |                     |                      | 143 | 135 | 129 | 119 | 104  | 92   | 74   |
| VRC64/15/18 | 18    | 7.5          | 5.5  |                     |                      | 171 | 162 | 155 | 142 | 124  | 111  | 88   |
| VRC64/15/20 | 20    | 7.5          | 5.5  |                     |                      | 190 | 180 | 172 | 158 | 138  | 123  | 98   |
| VRC64/15/24 | 24    | 10.0         | 7.5  | 228                 |                      | 216 | 206 | 190 | 166 | 148  | 118  |      |
| VRC64/15/28 | 28    | 12.5         | 9.3  | 266                 |                      | 252 | 241 | 221 | 193 | 172  | 137  |      |
| VRC64/15/30 | 30    | 12.5         | 9.3  | 285                 | 270                  | 258 | 237 | 207 | 185 | 147  |      |      |

| PUMP MODEL  | STAGE | MOTOR RATING |      | OUTLET SIZE : 50 MM | DISCHARGE            |     |     |      |      |      |      |      |
|-------------|-------|--------------|------|---------------------|----------------------|-----|-----|------|------|------|------|------|
|             |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 7.2 | 9.0 | 10.2 | 12.0 | 13.8 | 15.0 | 16.8 |
|             |       |              |      |                     | LPM                  | 120 | 150 | 170  | 200  | 230  | 250  | 280  |
| VRC65/20/6  | 6     | 3.0          | 2.2  |                     | TOTAL HEAD IN METERS | 58  | 55  | 53   | 47   | 43   | 35   | 26   |
| VRC65/20/8  | 8     | 4.0          | 3.0  |                     |                      | 77  | 74  | 70   | 63   | 57   | 46   | 34   |
| VRC65/20/10 | 10    | 5.0          | 3.7  |                     |                      | 96  | 92  | 88   | 79   | 71   | 58   | 43   |
| VRC65/20/12 | 12    | 6.0          | 4.5  |                     |                      | 115 | 110 | 106  | 95   | 85   | 70   | 52   |
| VRC65/20/14 | 14    | 7.5          | 5.5  |                     |                      | 134 | 129 | 123  | 111  | 99   | 81   | 60   |
| VRC65/20/15 | 15    | 7.5          | 5.5  |                     |                      | 144 | 138 | 132  | 119  | 107  | 87   | 65   |
| VRC65/20/18 | 18    | 10.0         | 7.5  |                     |                      | 173 | 166 | 158  | 142  | 128  | 104  | 77   |
| VRC65/20/20 | 20    | 10.0         | 7.5  |                     |                      | 192 | 184 | 176  | 158  | 142  | 116  | 86   |
| VRC65/20/25 | 25    | 12.5         | 9.3  | 240                 |                      | 230 | 220 | 198  | 178  | 145  | 108  |      |
| VRC65/20/28 | 28    | 15.0         | 11.0 | 269                 |                      | 258 | 246 | 221  | 199  | 162  | 120  |      |
| VRC65/20/30 | 30    | 15.0         | 11.0 | 288                 | 276                  | 264 | 237 | 213  | 174  | 129  |      |      |



**AQUA1**

Submersible Pumps | Panels | Cables

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**AQUA1 6" (RADIAL FLOW)  
SUBMERSIBLE PUMPSETS**

| PUMP MODEL  | STAGE | MOTOR RATING |      | OUTLET SIZE : 50 MM  | DISCHARGE          |     |      |      |      |      |      |      |
|-------------|-------|--------------|------|----------------------|--------------------|-----|------|------|------|------|------|------|
|             |       | H.P.         | K.W. |                      | M <sup>3</sup> /hr | 7.8 | 10.2 | 12.0 | 13.8 | 15.6 | 17.4 | 19.8 |
|             |       |              |      |                      | LPM                | 130 | 170  | 200  | 230  | 260  | 290  | 330  |
| VRC66/23/5  | 5     | 3.0          | 2.2  | TOTAL HEAD IN METERS | 50                 | 48  | 45   | 42   | 37   | 31   | 22   |      |
| VRC66/23/6  | 6     | 4.0          | 3.0  |                      | 59                 | 57  | 54   | 50   | 44   | 37   | 26   |      |
| VRC66/23/8  | 8     | 5.0          | 3.7  |                      | 79                 | 76  | 72   | 66   | 59   | 50   | 34   |      |
| VRC66/23/10 | 10    | 6.0          | 4.5  |                      | 99                 | 95  | 90   | 83   | 74   | 62   | 43   |      |
| VRC66/23/12 | 12    | 7.5          | 5.5  |                      | 119                | 114 | 108  | 100  | 89   | 74   | 52   |      |
| VRC66/23/15 | 15    | 10.0         | 7.5  |                      | 149                | 143 | 135  | 125  | 111  | 93   | 65   |      |
| VRC66/23/16 | 16    | 10.0         | 7.5  |                      | 158                | 152 | 144  | 133  | 118  | 99   | 69   |      |
| VRC66/23/18 | 18    | 12.5         | 9.3  |                      | 178                | 171 | 162  | 149  | 133  | 112  | 77   |      |
| VRC66/23/20 | 20    | 12.5         | 9.3  |                      | 198                | 190 | 180  | 166  | 148  | 124  | 86   |      |
| VRC66/23/24 | 24    | 15.0         | 11.0 |                      | 238                | 228 | 216  | 199  | 178  | 149  | 103  |      |
| VRC66/23/25 | 25    | 15.0         | 11.0 |                      | 248                | 238 | 225  | 208  | 185  | 155  | 108  |      |
| VRC66/23/28 | 28    | 17.5         | 13.0 |                      | 277                | 266 | 252  | 232  | 207  | 174  | 120  |      |

| PUMP MODEL  | STAGE | MOTOR RATING |      | OUTLET SIZE : 50 MM | DISCHARGE            |     |      |      |      |      |      |      |
|-------------|-------|--------------|------|---------------------|----------------------|-----|------|------|------|------|------|------|
|             |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 9.0 | 11.4 | 13.2 | 15.0 | 16.8 | 18.6 | 21.0 |
|             |       |              |      |                     | LPM                  | 150 | 190  | 220  | 250  | 280  | 310  | 350  |
| VRC67/25/4  | 4     | 3.0          | 2.2  |                     | TOTAL HEAD IN METERS | 42  | 40   | 38   | 35   | 31   | 28   | 22   |
| VRC67/25/5  | 5     | 4.0          | 3    |                     |                      | 53  | 51   | 48   | 44   | 39   | 35   | 27   |
| VRC67/25/6  | 6     | 5.0          | 3.7  |                     |                      | 64  | 61   | 57   | 52   | 47   | 41   | 32   |
| VRC67/25/7  | 7     | 5.0          | 3.7  |                     |                      | 74  | 71   | 67   | 61   | 55   | 48   | 38   |
| VRC67/25/8  | 8     | 6.0          | 4.5  |                     |                      | 85  | 81   | 76   | 70   | 63   | 55   | 43   |
| VRC67/25/10 | 10    | 7.5          | 5.5  |                     |                      | 106 | 101  | 95   | 87   | 79   | 69   | 54   |
| VRC67/25/12 | 12    | 10.0         | 7.5  |                     |                      | 127 | 121  | 114  | 104  | 94   | 83   | 65   |
| VRC67/25/14 | 14    | 10.0         | 7.5  |                     |                      | 148 | 141  | 133  | 122  | 110  | 97   | 76   |
| VRC67/25/16 | 16    | 12.5         | 9.3  |                     |                      | 170 | 162  | 152  | 139  | 126  | 110  | 86   |
| VRC67/25/20 | 20    | 15.0         | 11.0 |                     |                      | 212 | 202  | 190  | 174  | 157  | 138  | 108  |
| VRC67/25/22 | 22    | 15.0         | 11.0 | 233                 |                      | 222 | 209  | 191  | 173  | 152  | 119  |      |
| VRC67/25/24 | 24    | 17.5         | 13.0 | 254                 |                      | 242 | 228  | 209  | 188  | 166  | 130  |      |
| VRC67/25/28 | 28    | 20.0         | 15.0 | 297                 | 283                  | 266 | 244  | 220  | 193  | 151  |      |      |

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 50 MM | DISCHARGE            |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|---------------------|----------------------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                     | M <sup>3</sup> /hr   | 12.6 | 15.6 | 18.0 | 19.8 | 21.6 | 24.0 | 27.0 |
|              |       |              |      |                     | LPM                  | 210  | 260  | 300  | 330  | 360  | 400  | 450  |
| VRC610/33/3  | 3     | 3.0          | 2.2  |                     | TOTAL HEAD IN METERS | 32   | 30   | 29   | 27   | 24   | 20   | 14   |
| VRC610/33/4  | 4     | 4.0          | 3    |                     |                      | 42   | 40   | 38   | 36   | 32   | 26   | 18   |
| VRC610/33/5  | 5     | 5.0          | 3.7  |                     |                      | 53   | 51   | 48   | 45   | 41   | 33   | 23   |
| VRC610/33/6  | 6     | 6.0          | 4.5  |                     |                      | 63   | 61   | 58   | 54   | 49   | 40   | 27   |
| VRC610/33/8  | 8     | 7.5          | 5.5  |                     |                      | 84   | 81   | 77   | 72   | 65   | 53   | 36   |
| VRC610/33/10 | 10    | 10.0         | 7.5  |                     |                      | 105  | 101  | 96   | 90   | 81   | 66   | 45   |
| VRC610/33/12 | 12    | 12.5         | 9.3  |                     |                      | 126  | 121  | 115  | 107  | 97   | 79   | 54   |
| VRC610/33/14 | 14    | 15.0         | 11.0 |                     |                      | 147  | 141  | 134  | 125  | 113  | 92   | 63   |
| VRC610/33/15 | 15    | 15.0         | 11.0 |                     |                      | 158  | 152  | 144  | 134  | 122  | 99   | 68   |
| VRC610/33/16 | 16    | 17.5         | 13.0 |                     |                      | 168  | 162  | 154  | 143  | 130  | 106  | 72   |
| VRC610/33/17 | 17    | 17.5         | 13.0 |                     |                      | 179  | 172  | 163  | 152  | 138  | 112  | 77   |
| VRC610/33/18 | 18    | 20.0         | 15.0 | 189                 |                      | 182  | 173  | 161  | 146  | 119  | 81   |      |
| VRC610/33/20 | 20    | 20.0         | 15.0 | 210                 |                      | 202  | 192  | 179  | 162  | 132  | 90   |      |
| VRC610/33/25 | 25    | 25.0         | 18.5 | 263                 | 253                  | 240  | 224  | 203  | 165  | 113  |      |      |



**AQUA1**

Submersible Pumps | Panels | Cables

—Trust the flow—

**AQUA1 6" (C.I) MIX FLOW  
SUBMERSIBLE PUMPSETS**

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 65 MM  | DISCHARGE          |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|----------------------|--------------------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                      | M <sup>3</sup> /hr | 12.0 | 18.0 | 21.0 | 24.0 | 27.0 | 30.0 | 36.0 |
|              |       |              |      |                      | LPM                | 200  | 300  | 350  | 400  | 450  | 500  | 600  |
| VMC610/40/3  | 3     | 3.0          | 2.2  | TOTAL HEAD IN METERS | 28                 | 26   | 24   | 23   | 21   | 19   | 14   |      |
| VMC610/40/4  | 4     | 4.0          | 3.0  |                      | 37                 | 34   | 32   | 30   | 28   | 25   | 19   |      |
| VMC610/40/5  | 5     | 5.0          | 3.7  |                      | 46                 | 43   | 40   | 38   | 35   | 31   | 24   |      |
| VMC610/40/6  | 6     | 6.0          | 4.5  |                      | 56                 | 51   | 48   | 45   | 41   | 38   | 29   |      |
| VMC610/40/8  | 8     | 7.5          | 5.5  |                      | 74                 | 68   | 64   | 60   | 55   | 50   | 38   |      |
| VMC610/40/10 | 10    | 10.0         | 7.5  |                      | 93                 | 85   | 80   | 75   | 69   | 63   | 48   |      |

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 65 MM  | DISCHARGE |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|----------------------|-----------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                      | M³/hr     | 15.0 | 21.0 | 24.0 | 27.0 | 30.0 | 33.0 | 39.0 |
|              |       |              |      |                      | LPM       | 250  | 350  | 400  | 450  | 500  | 550  | 650  |
| VMC612/45/3  | 3     | 4.0          | 3.0  | TOTAL HEAD IN METERS | 32        | 30   | 29   | 27   | 25   | 23   | 17   |      |
| VMC612/45/4  | 4     | 5.0          | 3.7  |                      | 43        | 40   | 38   | 36   | 33   | 30   | 23   |      |
| VMC612/45/5  | 5     | 6.0          | 4.5  |                      | 54        | 50   | 48   | 45   | 42   | 38   | 29   |      |
| VMC612/45/6  | 6     | 7.5          | 5.5  |                      | 65        | 60   | 57   | 53   | 50   | 46   | 35   |      |
| VMC612/45/8  | 8     | 10.0         | 7.5  |                      | 86        | 80   | 76   | 71   | 66   | 61   | 46   |      |
| VMC612/45/10 | 10    | 12.5         | 9.3  |                      | 108       | 100  | 95   | 89   | 83   | 76   | 58   |      |

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 75 MM  | DISCHARGE          |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|----------------------|--------------------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                      | M <sup>3</sup> /hr | 21.0 | 27.0 | 30.0 | 33.0 | 36.0 | 39.0 | 45.0 |
|              |       |              |      |                      | LPM                | 350  | 450  | 500  | 550  | 600  | 650  | 750  |
| VMC615/55/3  | 3     | 5.0          | 3.7  | TOTAL HEAD IN METERS | 30                 | 28   | 27   | 25   | 23   | 21   | 15   |      |
| VMC615/55/4  | 4     | 6.0          | 4.5  |                      | 40                 | 38   | 36   | 34   | 31   | 29   | 20   |      |
| VMC615/55/5  | 5     | 7.5          | 5.5  |                      | 51                 | 47   | 45   | 42   | 39   | 36   | 25   |      |
| VMC615/55/6  | 6     | 10.0         | 7.5  |                      | 61                 | 56   | 54   | 50   | 47   | 43   | 30   |      |
| VMC615/55/8  | 8     | 12.5         | 9.3  |                      | 81                 | 75   | 72   | 67   | 62   | 57   | 40   |      |
| VMC615/55/10 | 10    | 15.0         | 11.0 |                      | 101                | 94   | 90   | 84   | 78   | 72   | 50   |      |

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 75 MM  | DISCHARGE |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|----------------------|-----------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                      | M³/hr     | 30.0 | 36.0 | 42.0 | 45.0 | 48.0 | 54.0 | 60.0 |
|              |       |              |      |                      | LPM       | 500  | 600  | 700  | 750  | 800  | 900  | 1000 |
| VMC620/75/3  | 3     | 6.0          | 4.5  | TOTAL HEAD IN METERS | 29        | 27   | 25   | 23   | 22   | 18   | 13   |      |
| VMC620/75/4  | 4     | 7.5          | 5.5  |                      | 39        | 36   | 33   | 31   | 29   | 24   | 17   |      |
| VMC620/75/5  | 5     | 10.0         | 7.5  |                      | 49        | 46   | 41   | 39   | 36   | 30   | 22   |      |
| VMC620/75/6  | 6     | 12.5         | 9.3  |                      | 59        | 55   | 50   | 47   | 43   | 35   | 26   |      |
| VMC620/75/7  | 7     | 15.0         | 11.0 |                      | 69        | 64   | 58   | 54   | 50   | 41   | 30   |      |
| VMC620/75/8  | 8     | 15.0         | 11.0 |                      | 78        | 73   | 66   | 62   | 58   | 47   | 34   |      |
| VMC620/75/9  | 9     | 17.5         | 13.0 |                      | 88        | 82   | 74   | 70   | 65   | 53   | 39   |      |
| VMC620/75/10 | 10    | 20.0         | 15.0 |                      | 98        | 91   | 83   | 78   | 72   | 59   | 43   |      |

| PUMP MODEL   | STAGE | MOTOR RATING |      | OUTLET SIZE : 75 MM  | DISCHARGE |      |      |      |      |      |      |      |
|--------------|-------|--------------|------|----------------------|-----------|------|------|------|------|------|------|------|
|              |       | H.P.         | K.W. |                      | M³/hr     | 39.0 | 45.0 | 51.0 | 54.0 | 57.0 | 63.0 | 69.0 |
|              |       |              |      |                      | LPM       | 650  | 750  | 850  | 900  | 950  | 1050 | 1150 |
| VMC625/90/2  | 2     | 5.0          | 3.7  | TOTAL HEAD IN METERS | 20        | 18   | 17   | 16   | 14   | 12   | 9    |      |
| VMC625/90/3  | 3     | 7.5          | 5.5  |                      | 29        | 27   | 25   | 23   | 22   | 18   | 13   |      |
| VMC625/90/4  | 4     | 10.0         | 7.5  |                      | 39        | 36   | 33   | 31   | 29   | 24   | 17   |      |
| VMC625/90/5  | 5     | 12.5         | 9.3  |                      | 49        | 46   | 41   | 39   | 36   | 30   | 22   |      |
| VMC625/90/6  | 6     | 15.0         | 11.0 |                      | 59        | 55   | 50   | 47   | 43   | 35   | 26   |      |
| VMC625/90/7  | 7     | 17.5         | 13.0 |                      | 69        | 64   | 58   | 54   | 50   | 41   | 30   |      |
| VMC625/90/8  | 8     | 20.0         | 15.0 |                      | 78        | 73   | 66   | 62   | 58   | 47   | 34   |      |
| VMC625/90/10 | 10    | 25.0         | 18.5 |                      | 98        | 91   | 83   | 78   | 72   | 59   | 43   |      |



# AQUA1

Submersible Pumps | Panels | Cables  
— Trust the flow —

## AQUA1 OPENWELL SUBMERSIBLE PUMPSETS

| SS         | CI<br>OPENWELL<br>COPPER | Suc X<br>Del<br>(mm) | Phase | MOTOR<br>RATING |      | Head (mtr) |     |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|--------------------------|----------------------|-------|-----------------|------|------------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            |                          |                      |       | H.P             | K.W  | 8          | 10  | 12  | 14  | 16  | 18  | 20   | 22   | 24  | 26  | 28  | 30  | 32  | 34  | 36  | 38  | 40  | 44  | 48  | 52  | 56  |
| VSC05      | -                        | 25X25                | SP    | 0.5             | 0.37 | 155        | 140 | 125 | 110 | 90  | 70  | 20   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| VSC1       | -                        | 32X25                | SP    | 1.0             | 0.75 |            |     | 200 | 185 | 170 | 150 | 130  | 105  | 85  | 50  | 25  |     |     |     |     |     |     |     |     |     |     |
| VSC15      | -                        | 40X40                | SP/TP | 1.5             | 1.1  |            |     | 290 | 270 | 250 | 225 | 200  | 170  | 140 | 110 | 80  |     |     |     |     |     |     |     |     |     |     |
| VSHC15     | -                        | 32X32                | SP/TP | 1.5             | 1.1  |            |     |     |     |     |     | 210  | 200  | 185 | 175 | 160 | 145 | 125 | 110 | 90  | 40  |     |     |     |     |     |
| VSC2       | -                        | 50X50                | SP/TP | 2.0             | 1.5  |            |     | 345 | 335 | 320 | 300 | 280  | 240  | 200 | 150 | 105 |     |     |     |     |     |     |     |     |     |     |
| 252V7SC3   | 252V7CC3                 | 65X50                | SP/TP | 3.0             | 2.2  |            |     |     | 530 | 500 | 470 | 430  | 380  | 320 | 250 | 180 | 90  |     |     |     |     |     |     |     |     |     |
| -          | JALRAAJ-C3               | 65X50                | SP/TP | 3.0             | 2.2  |            |     |     | 780 | 750 | 710 | 660  | 600  | 540 | 450 | 350 | 250 |     |     |     |     |     |     |     |     |     |
| 252V7SC5   | 252V7CC5                 | 65X50                | SP/TP | 5.0             | 3.7  |            |     |     |     | 690 | 650 | 610  | 570  | 520 | 470 | 410 | 340 | 250 | 150 |     |     |     |     |     |     |     |
| -          | JALRAAJ-C5               | 65X50                | SP/TP | 5.0             | 3.7  |            |     |     |     |     | 830 | 800  | 760  | 720 | 680 | 630 | 570 | 510 | 440 | 350 | 200 |     |     |     |     |     |
| 252V9SC3   | 252V9CC3                 | 65X50                | TP    | 3.0             | 2.2  |            |     |     | 710 | 650 | 630 | 570  | 530  | 480 | 400 | 300 | 130 |     |     |     |     |     |     |     |     |     |
| 252V9SC5   | 252V9CC5                 | 65X50                | TP    | 5.0             | 3.7  |            |     |     |     |     |     |      | 820  | 780 | 730 | 660 | 600 | 540 | 460 | 350 | 200 |     |     |     |     |     |
| 25V9SC5    | 25V9CC5                  | 65X65                | TP    | 5.0             | 3.7  |            |     |     |     |     |     | 1050 | 1000 | 930 | 800 | 650 | 500 |     |     |     |     |     |     |     |     |     |
| 252V9SC75  | 252V9CC75                | 65X50                | TP    | 7.5             | 5.5  |            |     |     |     |     |     |      |      |     |     |     | 850 | 820 | 770 | 710 | 660 | 600 | 450 | 250 |     |     |
| 252V9SC75H | 252V9CC75H               | 65X50                | TP    | 7.5             | 5.5  |            |     |     |     |     |     |      |      |     |     |     |     |     | 710 | 690 | 670 | 640 | 580 | 480 | 400 | 200 |

### CABLE SELECTION TABLE

| VOLTS                    | MOTOR RATING |      | CABLE SIZE SQUARE MILLIMETERS |     |      |      |      |      |      |      |      |      |      |     |                          |
|--------------------------|--------------|------|-------------------------------|-----|------|------|------|------|------|------|------|------|------|-----|--------------------------|
|                          | kW           | HP   | 1.5                           | 2.5 | 4    | 6    | 10   | 16   | 25   | 35   | 50   | 70   | 95   | 120 |                          |
| 380/415<br>VOLT<br>50 Hz | 0.75         | 1.0  | 380                           | 630 | 1020 | 1525 | 2595 | 4032 | 6111 | 8366 |      |      |      |     | MAXIMUM LENGTH IN METERS |
|                          | 1.1          | 1.5  | 300                           | 500 | 810  | 1210 | 2060 | 3200 | 4850 | 6640 | 9220 |      |      |     |                          |
|                          | 1.5          | 2.0  | 220                           | 370 | 590  | 880  | 1500 | 2340 | 3560 | 4890 | 6830 | 9230 |      |     |                          |
|                          | 2.2          | 3.0  | 150                           | 250 | 400  | 600  | 1030 | 1600 | 2440 | 3350 | 4680 | 6340 | 7990 |     |                          |
|                          | 3.0          | 4.0  | 110                           | 190 | 310  | 460  | 790  | 1230 | 1880 | 2590 | 3630 | 4930 | 6230 |     |                          |
|                          | 3.7          | 5.0  | 90                            | 150 | 240  | 370  | 630  | 980  | 1490 | 2050 | 2870 | 3900 | 4920 |     |                          |
|                          | 4.0          | 5.5  | 80                            | 140 | 230  | 340  | 590  | 920  | 1390 | 1910 | 2670 | 3600 | 4520 |     |                          |
|                          | 4.5          | 6.0  | 70                            | 130 | 220  | 320  | 550  | 860  | 1310 | 1790 | 2510 | 3390 | 4260 |     |                          |
|                          | 5.5          | 7.5  | 60                            | 110 | 170  | 260  | 440  | 690  | 1060 | 1450 | 2030 | 2750 | 3460 |     |                          |
|                          | 7.5          | 10.0 | 50                            | 90  | 130  | 200  | 340  | 530  | 810  | 1110 | 1560 | 2120 | 2680 |     |                          |
|                          | 9.3          | 12.5 |                               | 80  | 100  | 160  | 280  | 440  | 670  | 920  | 1310 | 1780 | 2250 |     |                          |
|                          | 11           | 15.0 |                               | 70  | 90   | 130  | 230  | 360  | 550  | 750  | 1060 | 1440 | 1820 |     |                          |
|                          | 13           | 17.5 |                               |     | 80   | 110  | 200  | 310  | 480  | 650  | 920  | 1250 | 1580 |     |                          |
|                          | 15           | 20   |                               |     | 70   | 100  | 170  | 270  | 410  | 570  | 800  | 1080 | 1370 |     |                          |
|                          | 18.5         | 25   |                               |     |      | 80   | 140  | 210  | 330  | 450  | 630  | 860  | 1090 |     |                          |
|                          | 22           | 30   |                               |     |      | 70   | 120  | 180  | 280  | 380  | 540  | 740  | 930  |     |                          |
|                          | 26           | 35   |                               |     |      |      | 100  | 150  | 230  | 310  | 440  | 610  | 770  | 870 |                          |
|                          | 30           | 40   |                               |     |      |      | 90   | 130  | 210  | 280  | 400  | 540  | 680  | 780 |                          |
|                          | 37           | 50   |                               |     |      |      |      | 110  | 170  | 230  | 320  | 440  | 550  | 700 |                          |
|                          | 45           | 60   |                               |     |      |      |      |      | 140  | 190  | 260  | 360  | 460  | 560 |                          |
|                          | 56           | 75   |                               |     |      |      |      |      |      | 160  | 220  | 290  | 380  | 340 |                          |
|                          | 75           | 100  |                               |     |      |      |      |      |      |      | 160  | 220  | 280  | 340 |                          |
|                          | 93           | 125  |                               |     |      |      |      |      |      |      |      | 170  | 220  | 260 |                          |

| VOLTS                         | MOTOR RATING |      | CABLE SIZE SQUARE MILLIMETERS |     |     |     |     |      |      |      |      |      |      |                          |
|-------------------------------|--------------|------|-------------------------------|-----|-----|-----|-----|------|------|------|------|------|------|--------------------------|
|                               | kW           | HP   | 1.5                           | 2.5 | 4   | 6   | 10  | 16   | 25   | 35   | 50   | 70   | 95   |                          |
| 220/240<br>VOLT<br>50 Hz(±3%) | 0.37         | 0.5  | 120                           | 200 | 320 | 480 | 810 | 1260 | 1900 | 2590 | 3580 | 4770 | 5920 | MAXIMUM LENGTH IN METERS |
|                               | 0.55         | 0.75 | 80                            | 130 | 250 | 320 | 550 | 850  | 1290 | 1760 | 2430 | 3230 | 4000 |                          |
|                               | 0.75         | 1.0  | 60                            | 100 | 170 | 250 | 430 | 670  | 1010 | 1380 | 1910 | 2550 | 3160 |                          |
|                               | 1.1          | 1.5  | 40                            | 70  | 120 | 180 | 300 | 470  | 710  | 980  | 1360 | 1850 | 2320 |                          |
|                               | 1.5          | 2.0  | 30                            | 60  | 90  | 130 | 230 | 360  | 550  | 760  | 1060 | 1440 | 1820 |                          |
|                               | 2.2          | 3.0  |                               | 40  | 60  | 100 | 170 | 280  | 430  | 600  | 820  | 1080 | 1310 |                          |
|                               | 3.0          | 4.0  |                               | 30  | 60  | 90  | 140 | 240  | 380  | 560  | 750  | 950  | 1200 |                          |
|                               | 3.7          | 5.0  |                               | 20  | 50  | 80  | 120 | 200  | 340  | 520  | 700  | 900  | 1150 |                          |

### WATER YIELD CALCULATION OF BOREWELL

| INCHES | LPH  | LPM |
|--------|------|-----|
| 5      | 95   | 2   |
| 1      | 533  | 9   |
| 1.5    | 1456 | 24  |
| 2      | 2972 | 50  |
| 2.5    | 5168 | 86  |
| 3      | 8122 | 135 |

| INCHES | LPH   | LPM |
|--------|-------|-----|
| 3.5    | 11905 | 198 |
| 4      | 16578 | 276 |
| 4.5    | 22202 | 370 |
| 5      | 28832 | 481 |
| 5.5    | 36519 | 609 |
| 6      | 45315 | 755 |



**Capacitor & Relay Selection Table for V3 Pumpset**

| HP   | Running Capacitor (MFD) | Starting Capacitor (MFD) | Full Load (AMP) | Use Relay Range (AMP) |
|------|-------------------------|--------------------------|-----------------|-----------------------|
| 0.5  | 36                      | 80-100                   | 5.0             | 4.5 TO 7.5            |
| 0.75 | 50                      | 80-100                   | 6.5             | 4.5 TO 7.5            |
| 1.0  | 50                      | 100-120                  | 7.5             | 6.0 TO 10.0           |
| 1.25 | 61                      | 100-120                  | 8.5             | 6.0 TO 10.0           |
| 1.5  | 72                      | 100-120                  | 9.5             | 9.0 TO 15.0           |

**Capacitor & Relay Selection Table for V4 Pumpset**

| HP   | Running Capacitor (MFD) | Starting Capacitor (MFD) | Full Load (AMP) | Use Relay Range (AMP)        |
|------|-------------------------|--------------------------|-----------------|------------------------------|
| 0.5  | 36                      | 80-100                   | 5.0             | 4.5 TO 7.5                   |
| 0.75 | 36                      | 80-100                   | 6.5             | 4.5 TO 7.5                   |
| 1.0  | 50                      | 100-120                  | 7.5             | 6.0 TO 10.0                  |
| 1.5  | 61                      | 100-120                  | 9.5             | 9.0 TO 15.0                  |
| 2.0  | 72                      | 120-150                  | 12              | 9.0 TO 15.0 OR 10.0 TO 16.0  |
| 3.0  | 108                     | 120-150                  | 15              | 15.0 TO 22.0 OR 14.0 TO 21.0 |
| 4.0  | 125                     | 150-200                  | 20              | 20.0 TO 33.0                 |
| 5.0  | 150                     | 150-200                  | 25              | 20.0 TO 33.0                 |

**Coverision Table**

| <b>Power</b>            |                |
|-------------------------|----------------|
| 1 HP(Si)                | 0.746 kW       |
|                         | 746 W          |
| 1 HP(Metric)            | 0.736 kW       |
|                         | 736 W          |
| 1 kW                    | 1000 W         |
| <b>Head :</b>           |                |
| 1 mtrs.                 | 3.28 ft.       |
| 1 ft                    | 0.3048 m.      |
| 1 kg/cm <sup>2</sup>    | 10 mtrs        |
| <b>Discharge Rate :</b> |                |
| 1 m <sup>3</sup> /h     | 16.67 l/min    |
| 1 m <sup>3</sup> /s     | 60,000 l/min   |
| 1 l/s                   | 60 l/min       |
| 1 Cu ft/s               | 1699.2 l/min   |
| 1 Imp. DPH              | 0.0757 l/min.  |
|                         | 0.000126 l/min |

| <b>Pressure :</b>     |                          |
|-----------------------|--------------------------|
| 1 Atmosphere          | 1.033 kg/cm <sup>2</sup> |
| 1 Atmosphere          | 14.7 lb/in <sup>2</sup>  |
| 1 Atmosphere          | 10.34 mwc                |
| 1 lb /in <sup>2</sup> | 0.704 mwc                |
| 1 lb /in <sup>2</sup> | 2.31 ft wc               |
| 1 lb /in <sup>2</sup> | 51.6 mm of mercury.      |
| 1 cusec               | 1705 lpm.                |
|                       | 1 Acre inch/hr.          |
| 1 Cu mec              | 20558.3 Imp.             |
|                       | 1 Acre ft/hr.            |
| <b>Discharge :</b>    |                          |
| 1 Imp Gallon          | 4.546 ltrs.              |
| 1 US Gallon           | 3.785 ltrs.              |
| 1 Cu m.               | 1000 ltrs.               |
| 1 Cu ft.              | 28.32 ltrs.              |
| <b>Weight :</b>       |                          |
| 1 kg.                 | 1000 gm.                 |
| 1 kg.                 | 2.2046 lb.               |
| 1 kg.                 | 0.4536 kg.               |

### V3 / V4 MOTOR - SINGLE PHASE

| Sr. No. | kW/ H.P   | Speed in R.P.M | Current in Amp. |
|---------|-----------|----------------|-----------------|
|         |           |                | (230V)          |
| 1       | 0.37/0.5  | 2760           | 5.3             |
| 2       | 0.55/0.75 | 2770           | 6.2             |
| 3       | 0.75/1.0  | 2780           | 7.5             |
| 4       | 1.1/1.5   | 2780           | 10.5            |
| 5       | 1.5/2.0   | 2790           | 13.8            |
| 6       | 2.2/3.0   | 2790           | 19.8            |
| 7       | 3.0/4.0   | 2800           | 23.0            |
| 8       | 3.7/5.0   | 2800           | 28.0            |

### V4 Motor -THREE PHASE

| Sr. No. | kW/ H.P.  | Speed in R.P.M | Current in Amp. |      |      |      | Connection |
|---------|-----------|----------------|-----------------|------|------|------|------------|
|         |           |                | 415V            | 380V | 350V | 300V |            |
| 1       | 0.37/0.5  | 2740           | 1.3             | 1.4  | 1.5  | 1.8  | Star       |
| 2       | 0.55/0.75 | 2750           | 1.9             | 2.1  | 2.3  | 2.6  | Star       |
| 3       | 0.75/1.0  | 2750           | 2.4             | 2.6  | 2.8  | 3.3  | Star       |
| 4       | 1.1/1.5   | 2750           | 4.0             | 4.3  | 4.7  | 5.5  | Star       |
| 5       | 1.5/2.0   | 2760           | 4.8             | 5.2  | 5.7  | 6.6  | Star       |
| 6       | 2.2/3.0   | 2770           | 6.9             | 7.5  | 8.2  | 9.5  | Star       |
| 7       | 3.0/4.0   | 2770           | 9.0             | 9.8  | 10.6 | 12.4 | Star       |
| 8       | 3.7/5.0   | 2780           | 10.6            | 11.5 | 12.5 | 14.6 | Star       |
| 9       | 4.5/6.0   | 2780           | 12.6            | 13.7 | 14.9 | 17.4 | Star       |
| 10      | 5.5/7.5   | 2790           | 15.5            | 16.9 | 18.3 | 21.4 | Star       |

### V5 Motor -THREE PHASE

| Sr. No. | kW/ H.P. | Speed in R.P.M | Current in Amp. |      |      |      | Connection |
|---------|----------|----------------|-----------------|------|------|------|------------|
|         |          |                | 415V            | 380V | 350V | 300V |            |
| 1       | 3.7/5.0  | 2820           | 10.0            | 10.9 | 11.5 | 13.5 | Star       |
| 2       | 4.5/6.0  | 2820           | 12.0            | 13.0 | 14.0 | 16.5 | Star       |
| 3       | 5.5/7.5  | 2820           | 14.5            | 15.8 | 17.0 | 20.0 | Star       |
| 4       | 7.5/10.0 | 2830           | 19.5            | 21.0 | 23.0 | 27.0 | Star/Delta |

### V6 Motor -THREE PHASE

| Sr. No. | kW / H.P. | Speed in R.P.M | Current in Amp. |      |      |      | Connection |
|---------|-----------|----------------|-----------------|------|------|------|------------|
|         |           |                | 415V            | 380V | 350V | 300V |            |
| 1       | 2.2/3.0   | 2790           | 6.5             | 7.0  | 7.5  | 9.0  | Star       |
| 2       | 3.0/4.0   | 2790           | 8.5             | 9.2  | 10.0 | 11.5 | Star       |
| 3       | 3.7/5.0   | 2810           | 10.0            | 10.9 | 11.5 | 13.5 | Star       |
| 4       | 4.5/6.0   | 2810           | 12.0            | 13.0 | 14.0 | 16.5 | Star       |
| 5       | 5.5/7.5   | 2820           | 14.5            | 15.8 | 17.0 | 20.0 | Star       |
| 6       | 5.5/7.5   | 2820           | 14.5            | 15.8 | 17.0 | 20.0 | Star/Delta |
| 7       | 7.5/10    | 2820           | 19.5            | 21.0 | 23.0 | 27.0 | Star/Delta |
| 8       | 9.3/12.5  | 2830           | 25.0            | 27.0 | 26.5 | 34.5 | Star/Delta |
| 9       | 11.0/15.0 | 2830           | 29.0            | 31.5 | 34.0 | 40.0 | Star/Delta |
| 10      | 13.0/17.5 | 2850           | 34.0            | 37.0 | 40.0 | 47.0 | Star/Delta |
| 11      | 15.0/20.0 | 2850           | 39.0            | 42.5 | 46.0 | 53.5 | Star/Delta |
| 12      | 18.5/25.0 | 2850           | 48.0            | 52.0 | 56.0 | 66.0 | Star/Delta |

### V5./ V6 Motor -SINGLE PHASE

| Sr. No. | kW / H.P | Speed in R.P.M | Current in Amp. |
|---------|----------|----------------|-----------------|
|         |          |                | 230V            |
| 1       | 2.2/3.0  | 2800           | 15.0            |
| 2       | 3.0/4.0  | 2800           | 20.0            |
| 3       | 3.7/5.0  | 2800           | 25.0            |