# V-6 NRS Pump With V-6 PREMIUM Motor Pumpset

SS-304 Grade Bowls,Noryl Diffuser and Nylon-66 Impellers with CED Coated Cast Iron Parts NRS Pumps.
Suitable for 6.0" and above dia. Borewell, EC Grade Copper Rotor, 50Hz - 415 Volt. Three Phase

**6" Borewell**

## Model : NRS-250

Outlet : 3.0" (75mm)

| Sr. No. | H.P. | Stg. | Middle | Del. Schedule | Discharge in LPM & $m^3/h$ and Total Head Range in Metre | | | | | | | | Over all Effi. % as per IS 8034/18 | Falcon Max. Overall Effi. in% | More Result Compare to IS | Achieved Star as per BEE Calcu. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | LPM | 840 | 765 | 660 | 546 | 510 | 462 | 420 | | | | |
| | | | | | $m^3/h$ | 50.40 | 45.90 | 39.60 | 32.76 | 30.60 | 27.72 | 25.20 | | | | |
| | | | | | ISI & Star | 6 | 9 | 12 | 15 | 16 | 17 | 18 | | | | |
| 1 | **07.5** | **3** | - | 1 | - | 18 | 27 | 36 | 45 | 48 | 51 | 54 | 40.12 | 53.00 | 32% | 4 |
| 2 | **10.0** | **4** | - | 1 | - | 24 | 36 | 48 | 60 | 64 | 68 | 72 | 42.18 | 54.00 | 28% | 3 |
| 3 | **12.5** | **5** | - | 2 | - | 30 | 45 | 60 | 75 | 80 | 85 | 90 | 43.25 | 56.00 | 29% | 3 |
| 4 | **15.0** | **6** | - | 2 | - | 36 | 54 | 72 | 90 | 96 | 102 | 108 | 43.65 | 56.50 | 29% | 3 |
| 5 | **17.5** | **7** | - | 2 | - | 42 | 63 | 84 | 105 | 112 | 119 | 126 | 44.15 | 57.00 | 29% | 3 |
| 6 | **20.0** | **8** | - | 2 | - | 48 | 72 | 96 | 120 | 128 | 136 | 144 | 44.85 | 58.00 | 29% | 3 |

## Model : NRS-200

Outlet : 2.5" (65mm)

| Sr. No. | H.P. | Stg. | Middle | Del. Schedule | Discharge in LPM & $m^3/h$ and Total Head Range in Metre | | | | | | | | Over all Effi. % as per IS 8034/18 | Falcon Max. Overall Effi. in% | More Result Compare to IS | Achieved Star as per BEE Calcu. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | LPM | 660 | 600 | 525 | 435 | 402 | 360 | 330 | | | | |
| | | | | | $m^3/h$ | 39.60 | 36.00 | 31.50 | 26.10 | 24.12 | 21.60 | 19.80 | | | | |
| | | | | | ISI & Star | 6 | 9 | 12 | 15 | 16 | 17 | 18 | | | | |
| 7 | **06.0** | **3** | - | 1 | - | 18 | 27 | 36 | 45 | 48 | 51 | 54 | 35.91 | 50.50 | 41% | 5 |
| 8 | **07.5** | **4** | - | 1 | - | 24 | 36 | 48 | 60 | 64 | 68 | 72 | 36.70 | 51.00 | 39% | 4 |
| 9 | **10.0** | **5** | - | 2 | - | 30 | 45 | 60 | 75 | 80 | 85 | 90 | 36.80 | 51.50 | 40% | 5 |
| 10 | **12.5** | **6** | - | 2 | - | 36 | 54 | 72 | 90 | 96 | 102 | 108 | 38.95 | 54.00 | 39% | 4 |
| 11 | **15.0** | **8** | - | 2 | - | 48 | 72 | 96 | 120 | 128 | 136 | 144 | 39.15 | 54.50 | 39% | 4 |
| 12 | **17.5** | **9** | - | 2 | - | 54 | 81 | 108 | 135 | 144 | 153 | 162 | 39.50 | 55.00 | 39% | 4 |
| 13 | **20.0** | **10** | - | 3 | - | 60 | 90 | 120 | 150 | 160 | 170 | 180 | 39.70 | 55.50 | 40% | 5 |

## Model : NRS-150

Outlet : 2.5" (65mm)

| Sr. No. | H.P. | Stg. | Middle | Del. Schedule | Discharge in LPM & $m^3/h$ and Total Head Range in Metre | | | | | | | | Over all Effi. % as per IS 8034/18 | Falcon Max. Overall Effi. in% | More Result Compare to IS | Achieved Star as per BEE Calcu. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | LPM | 510 | 450 | 390 | 330 | 300 | 288 | 270 | | | | |
| | | | | | $m^3/h$ | 30.60 | 27.00 | 23.40 | 19.80 | 18.00 | 17.28 | 16.20 | | | | |
| | | | | | ISI & Star | 6 | 9 | 12 | 15 | 16 | 17 | 18 | | | | |
| 14 | **03.0** | **2** | - | 2 | - | 12 | 18 | 24 | 30 | 32 | 34 | 36 | 34.84 | 51.00 | 46% | 5 |
| 15 | **05.0** | **3** | - | 1 | - | 18 | 27 | 36 | 45 | 48 | 51 | 54 | 37.87 | 52.00 | 37% | 4 |
| 16 | **06.0** | **4** | - | 1 | - | 24 | 36 | 48 | 60 | 64 | 68 | 72 | 36.40 | 52.00 | 43% | 5 |
| 17 | **07.5** | **5** | - | 1 | - | 30 | 45 | 60 | 75 | 80 | 85 | 90 | 37.96 | 53.00 | 40% | 5 |
| 18 | **10.0** | **7** | - | 1 | - | 42 | 63 | 84 | 105 | 112 | 119 | 126 | 38.00 | 53.50 | 41% | 5 |
| 19 | **12.5** | **8** | - | 2 | - | 48 | 72 | 96 | 120 | 128 | 136 | 144 | 38.50 | 54.00 | 40% | 5 |
| 20 | **15.0** | **10** | - | 2 | - | 60 | 90 | 120 | 150 | 160 | 170 | 180 | 38.70 | 54.00 | 40% | 5 |
| 21 | **17.5** | **12** | - | 2 | - | 72 | 108 | 144 | 180 | 192 | 204 | 216 | 40.04 | 56.00 | 40% | 5 |
| 22 | **20.0** | **14** | 1 | 2 | - | 84 | 126 | 168 | 210 | 224 | 238 | 252 | 40.56 | 55.50 | 37% | 4 |

NOTE : Performance May Vary Depending Upon Voltage, Frequency and Field Conditions.

# V-6 NRS Pump With V-6 PREMIUM Motor Pumpset

SS-304 Grade Bowls,Noryl Diffuser and Nylon-66 Impellers with CED Coated Cast Iron Parts NRS Pumps.
Suitable for 6.0" and above dia. Borewell, EC Grade Copper Rotor, 50Hz - 415 Volt. Three Phase

**6" Borewell**

## Model : NRS-125

Outlet : 2.5" (65mm)

| Sr. No. | H.P. | Stg. | Middle | Del. Schedule | Discharge in LPM & $m^3/h$ and Total Head Range in Metre | | | | | | | | Over all Effi. % as per IS 8034/18 | Falcon Max. Overall Effi. in% | More Result Compare to IS | Achieved Star as per BEE Calcu. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | LPM | 420 | 390 | 330 | 300 | 270 | 240 | 225 | | | | |
| | | | | | $m^3/h$ | 25.20 | 23.40 | 19.80 | 18.00 | 16.20 | 14.40 | 13.50 | | | | |
| | | | | | ISI & Star | 6 | 9 | 12 | 15 | 16 | 17 | 18 | | | | |
| 23 | **05.0** | **4** | - | 1 | - | 24 | 36 | 48 | 60 | 64 | 68 | 72 | 34.68 | 50.00 | 44% | 5 |
| 24 | **06.0** | **5** | - | 1 | - | 30 | 45 | 60 | 75 | 80 | 85 | 90 | 35.70 | 50.50 | 41% | 5 |
| 25 | **07.5** | **6** | - | 1 | ISI-3★ | 36 | 54 | 72 | 90 | 96 | 102 | 108 | 39.46 | 51.00 | 29% | 3 |
| 26 | **10.0** | **8** | - | 2 | ISI-3★ | 48 | 72 | 96 | 120 | 128 | 136 | 144 | 40.20 | 52.00 | 29% | 3 |
| 27 | **12.5** | **10** | - | 2 | ISI-3★ | 60 | 90 | 120 | 150 | 160 | 170 | 180 | 40.55 | 52.50 | 29% | 3 |
| 28 | **15.0** | **12** | - | 2 | ISI-3★ | 72 | 108 | 144 | 180 | 192 | 204 | 216 | 41.09 | 53.00 | 29% | 3 |
| 29 | **17.5** | **14** | 1 | 2 | ISI-3★ | 84 | 126 | 168 | 210 | 224 | 238 | 252 | 41.63 | 53.50 | 29% | 3 |
| 30 | **20.0** | **16** | 1 | 2 | - | 96 | 144 | 192 | 240 | 256 | 272 | 288 | 38.65 | 54.00 | 40% | 5 |

## Model : NRS-100

Outlet : 2.0" (50mm)

| Sr. No. | H.P. | Stg. | Middle | Del. Schedule | Discharge in LPM & $m^3/h$ and Total Head Range in Metre | | | | | | | | Over all Effi. % as per IS 8034/18 | Falcon Max. Overall Effi. in% | More Result Compare to IS | Achieved Star as per BEE Calcu. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | LPM | 330 | 285 | 240 | 210 | 200 | 180 | 165 | | | | |
| | | | | | $m^3/h$ | 19.80 | 17.20 | 14.40 | 12.60 | 12.00 | 10.80 | 9.90 | | | | |
| | | | | | ISI & Star | 6 | 9 | 12 | 15 | 16 | 17 | 18 | | | | |
| 31 | **03.0** | **3** | - | 1 | - | 18 | 27 | 36 | 45 | 48 | 51 | 54 | 32.16 | 46.50 | 45% | 5 |
| 32 | **05.0** | **5** | - | 1 | ISI-3★ | 30 | 45 | 60 | 75 | 80 | 85 | 90 | 37.01 | 47.00 | 27% | 3 |
| 33 | **06.0** | **6** | - | 1 | ISI-3★ | 36 | 54 | 72 | 90 | 96 | 102 | 108 | 38.10 | 48.00 | 26% | 3 |
| 34 | **07.5** | **8** | - | 1 | ISI-3★ | 48 | 72 | 96 | 120 | 128 | 136 | 144 | 39.74 | 49.00 | 23% | 3 |
| 35 | **10.0** | **10** | - | 2 | ISI-3★ | 60 | 90 | 120 | 150 | 160 | 170 | 180 | 40.28 | 50.00 | 24% | 3 |
| 36 | **12.5** | **12** | - | 2 | ISI-3★ | 72 | 108 | 144 | 180 | 192 | 204 | 216 | 40.82 | 51.00 | 25% | 3 |
| 37 | **15.0** | **15** | 1 | 2 | ISI-3★ | 90 | 135 | 180 | 225 | 240 | 255 | 270 | 41.37 | 51.50 | 24% | 3 |
| 38 | **17.5** | **18** | 1 | 2 | ISI-3★ | 108 | 162 | 216 | 270 | 288 | 306 | 324 | 41.91 | 52.00 | 24% | 3 |
| 39 | **20.0** | **20** | 1 | 3 | ISI-3★ | 120 | 180 | 240 | 300 | 320 | 340 | 360 | 42.46 | 53.00 | 25% | 3 |

## Model : NRS-080

Outlet : 2.0" (50mm)

| Sr. No. | H.P. | Stg. | Middle | Del. Schedule | Discharge in LPM & $m^3/h$ and Total Head Range in Metre | | | | | | | | Over all Effi. % as per IS 8034/18 | Falcon Max. Overall Effi. in% | More Result Compare to IS | Achieved Star as per BEE Calcu. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | LPM | 240 | 210 | 180 | 159 | 150 | 135 | 120 | | | | |
| | | | | | $m^3/h$ | 14.40 | 12.60 | 10.80 | 9.54 | 9.00 | 8.10 | 7.20 | | | | |
| | | | | | ISI & Star | 6 | 9 | 12 | 15 | 16 | 17 | 18 | | | | |
| 40 | **03.0** | **4** | - | 2 | - | 24 | 36 | 48 | 60 | 64 | 68 | 72 | 28.60 | 41.00 | 43% | 5 |
| 41 | **05.0** | **6** | - | 1 | ISI-3★ | 36 | 54 | 72 | 90 | 96 | 102 | 108 | 30.82 | 39.50 | 28% | 3 |
| 42 | **06.0** | **8** | - | 1 | ISI-3★ | 48 | 72 | 96 | 120 | 128 | 136 | 144 | 32.68 | 42.00 | 29% | 3 |
| 43 | **07.5** | **10** | - | 1 | ISI-3★ | 60 | 90 | 120 | 150 | 160 | 170 | 180 | 34.08 | 43.00 | 26% | 3 |
| 44 | **10.0** | **13** | - | 2 | ISI-3★ | 78 | 117 | 156 | 195 | 208 | 221 | 234 | 34.54 | 43.50 | 26% | 3 |
| 45 | **12.5** | **16** | 1 | 2 | ISI-3★ | 96 | 144 | 192 | 240 | 256 | 272 | 288 | 35.01 | 44.00 | 26% | 3 |
| 46 | **15.0** | **19** | 1 | 2 | ISI-3★ | 114 | 171 | 228 | 285 | 304 | 323 | 342 | 35.48 | 45.00 | 27% | 3 |

NOTE : Performance May Vary Depending Upon Voltage, Frequency and Field Conditions.

# V-6 NRS Pump With V-6 PREMIUM Motor Pumpset

SS-304 Grade Bowls,Noryl Diffuser and Nylon-66 Impellers with CED Coated Cast Iron Parts NRS Pumps.
Suitable for 6.0" and above dia. Borewell, EC Grade Copper Rotor, 50Hz - 415 Volt. Three Phase

**6" Borewell**

## Model : NRS-062

Outlet : 2.0" (50mm)

| Sr. No. | H.P. | Stg. | Middle | Del. Schedule | Discharge in LPM & $m^3/h$ and Total Head Range in Metre | | | | | | | | Over all Effi. % as per IS 8034/18 | Falcon Max. Overall Effi. in% | More Result Compare to IS | Achieved Star as per BEE Calcu. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | LPM | 180 | 156 | 138 | 120 | 102 | 87 | 72 | | | | |
| | | | | | $m^3/h$ | 10.80 | 9.36 | 8.28 | 7.20 | 6.12 | 5.22 | 4.32 | | | | |
| | | | | | ISI & Star | 6 | 9 | 12 | 15 | 16 | 17 | 18 | | | | |
| 47 | **03.0** | **5** | - | 2 | - | 30 | 45 | 60 | 75 | 80 | 85 | 90 | 26.48 | 38.00 | 44% | 5 |
| 48 | **05.0** | **8** | - | 1 | ISI-3★ | 48 | 72 | 96 | 120 | 128 | 136 | 144 | 30.50 | 39.00 | 28% | 3 |
| 49 | **06.0** | **10** | - | 1 | ISI-3★ | 60 | 90 | 120 | 150 | 160 | 170 | 180 | 31.00 | 40.00 | 29% | 3 |
| 50 | **07.5** | **12** | - | 2 | ISI-3★ | 72 | 108 | 144 | 180 | 192 | 204 | 216 | 31.73 | 41.00 | 29% | 3 |
| 51 | **10.0** | **16** | 1 | 2 | ISI-3★ | 96 | 144 | 192 | 240 | 256 | 272 | 288 | 32.17 | 41.50 | 29% | 3 |
| 52 | **12.5** | **20** | 1 | 3 | ISI-3★ | 120 | 180 | 240 | 300 | 320 | 340 | 360 | 32.60 | 42.00 | 29% | 3 |

NOTE : Performance May Vary Depending Upon Voltage, Frequency and Field Conditions.