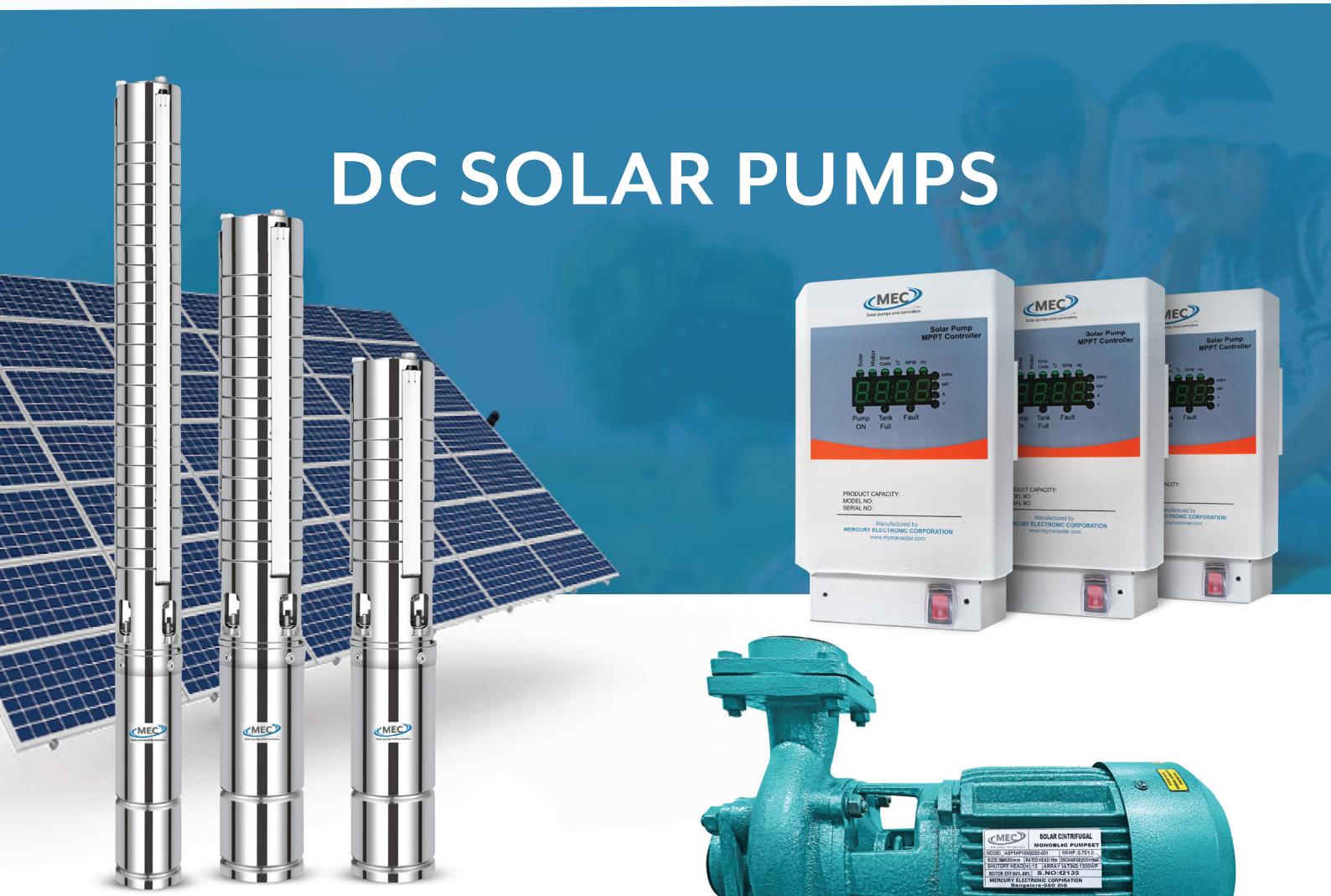




Solar pumps and controllers

MERCURY ELECTRONIC CORPORATION

DC SOLAR PUMPS



www.mymecsolar.com

TESTED IN:



About Our Company

MEC Solar is a division of Mercury Electronic Corporation founded in 2016 headquartered in Bangalore, India.

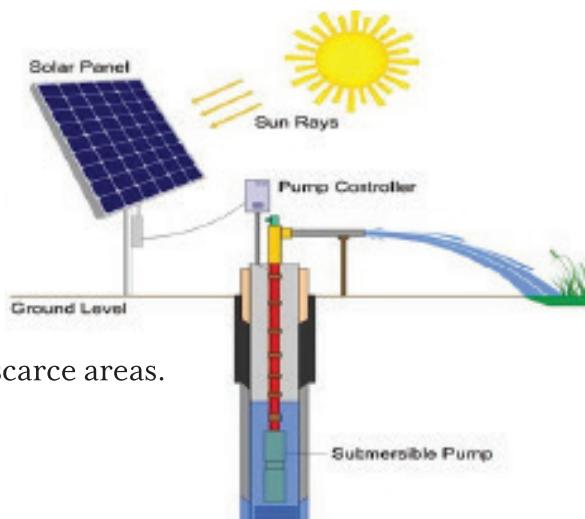
To cater to the needs of the new and emerging Indian solar market, MEC has invested in world class facilities and technologies to cater to the demands of Solar pumps and industrial pumps across the Indian sub-continent. Our world class facilities in India are fully equipped to advise customers, design, test, fabricate and quality-assure on all aspects of fluid mechanics in India. Our manufacturing plant in Bangalore, is a showcase of immaculate manufacturing and engineering practices!

Manufacturing and Service Capabilities

- Plant has got capacity to produce more than 25,000 units annually.
- In house design team for Motor, Fluid dynamics and Drive development.
- Separate Dust free room for winding and magnet assembly.
- Fully equipped ESD Electronics R&D lab for continual development.
- Separate reliability test bench for testing full system.
- In house Prototyping and Assembly line.
- Fully equipped team with lean manufacturing techniques to deliver product in time.
- Fully trained service engineers working in different part of the country.
- Establishing more service centers and regional offices for local support.

Benefits of Solar Water Pump

- No fuel cost & minimum maintenance cost.
- More economical than diesel pump sets in the long run.
- Enables cultivation of an extra crop.
- Helps in providing the critical protective irrigation in water scarce areas.
- Saves time and labour.
- Improves agriculture productivity.
- Improves general quality of life with higher levels of income.
- Incremental income enables easy repayment loan taken for installing system.



About Our Products

MEC Solar pumps are specially designed with latest technology which lowers the risk of damages and protects it from many unfavorable conditions

MEC Bore well DC solar submersible pumps comprise of a comprehensive range of pumps that operate on a PV array of 500Wp to 5000Wp.

Pump & Motor

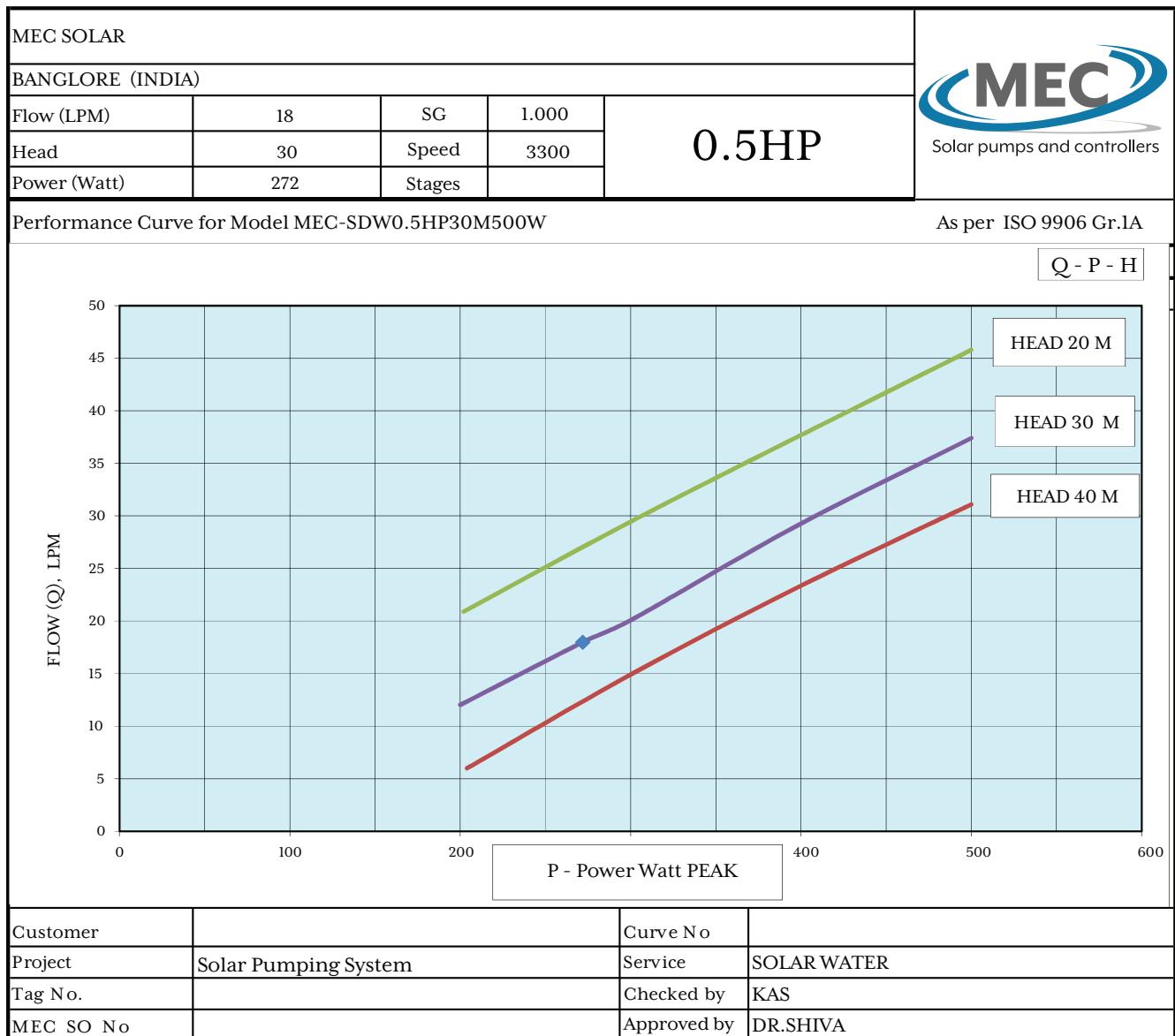
- Extremely efficient BLDC Motors.
- Stainless Steel Rotor.
- Rare earth magnets which can withstand temperature up to 160°C
- High quality Ceramic carbon thrust bearing.
- Leak proof motor filled with water for friction less operation.
- Laser welded impellers.
- Strainer for sandy water.
- 100% Stainless steel AISI304 parts.

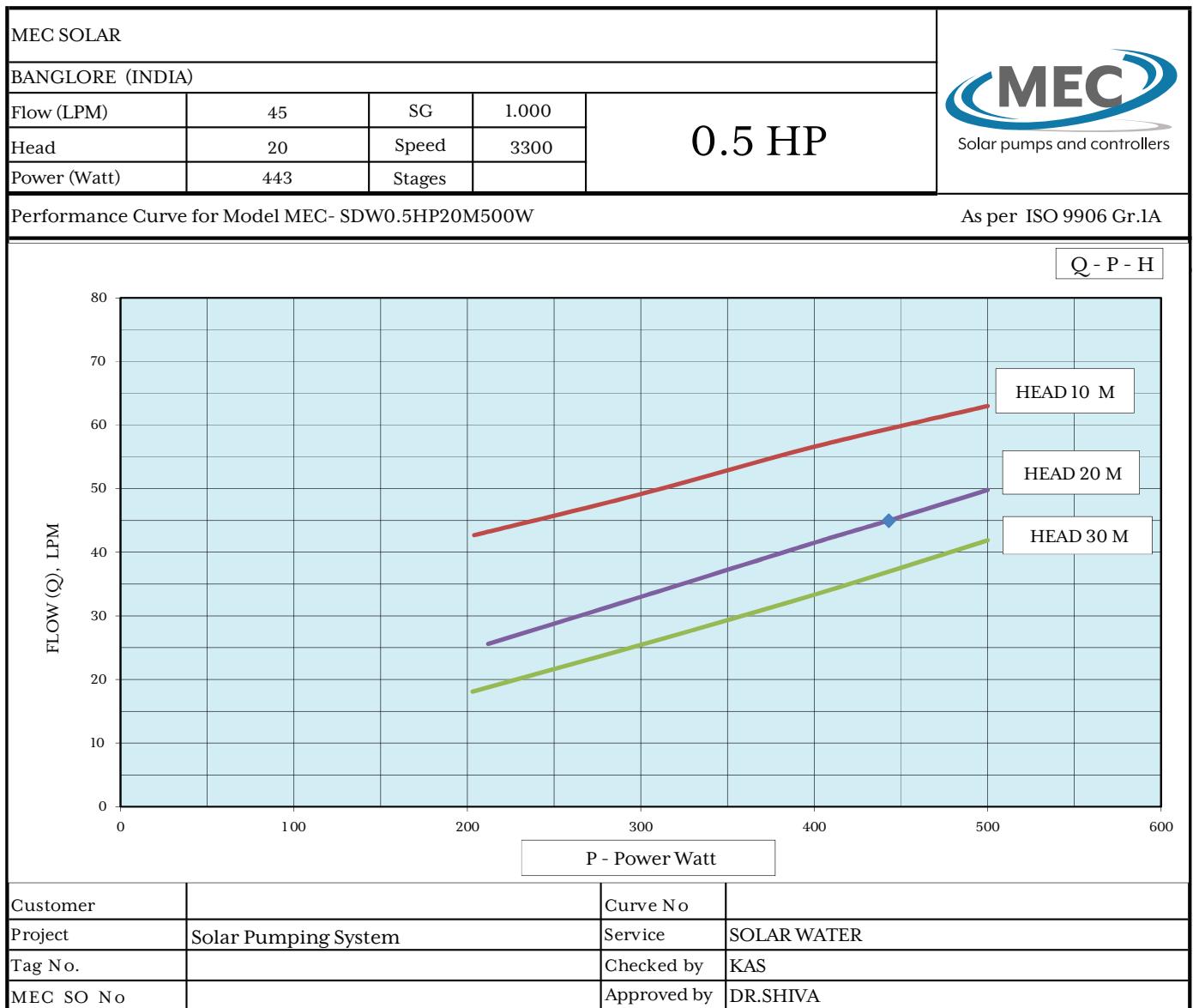


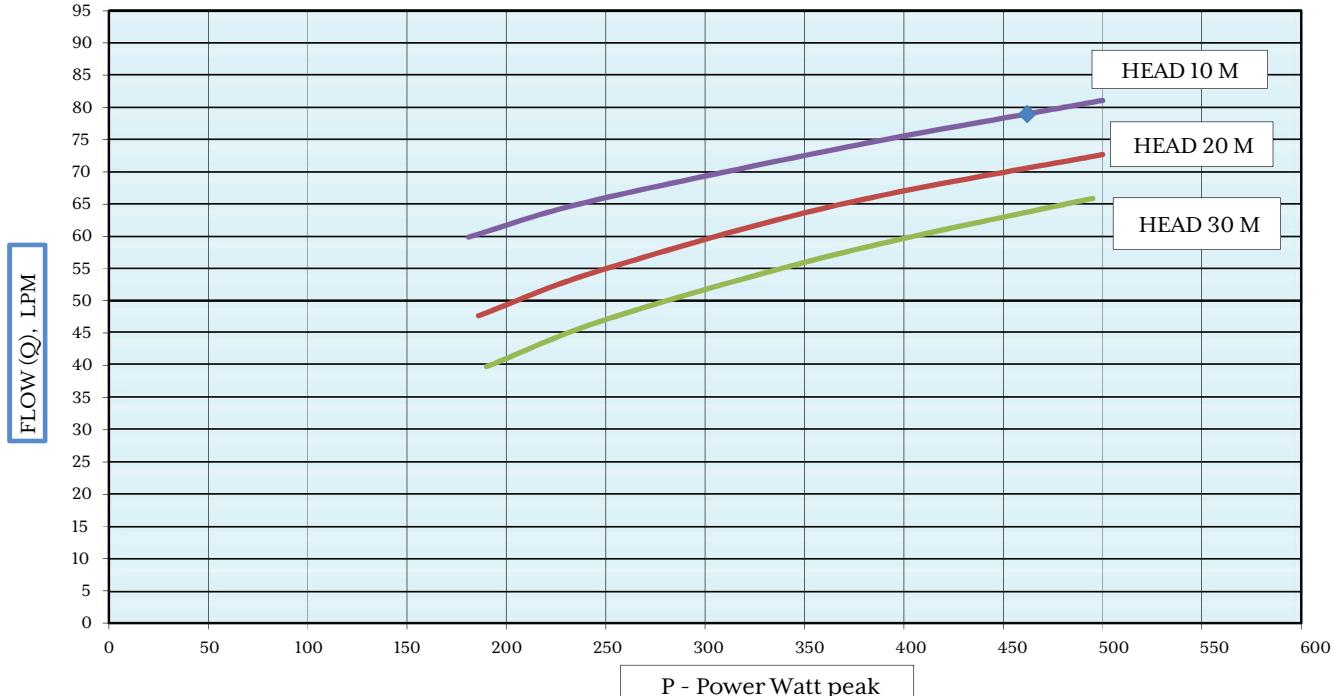
Controller

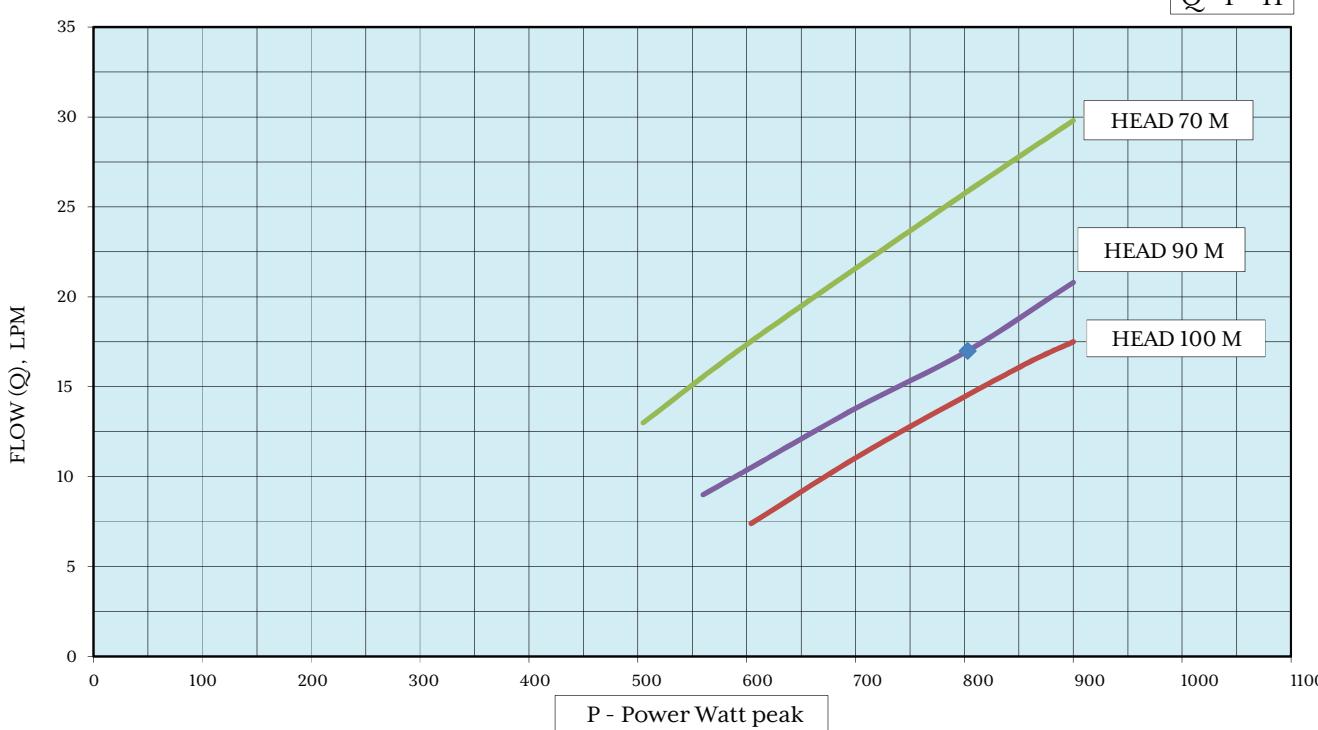
- Built in MPPT for maximum output.
- Sensor less Dry running protection and automatic restart.
- Thermal overload shut down to avoid damage to the Motor Or the Controller.
- Tested as per MNRE and BIS requirement.
- Warranted for 5 years.
- Remote monitoring.
- Remote start and stop.
- Short circuit protected.
- IP54 and IP65 certified enclosures.

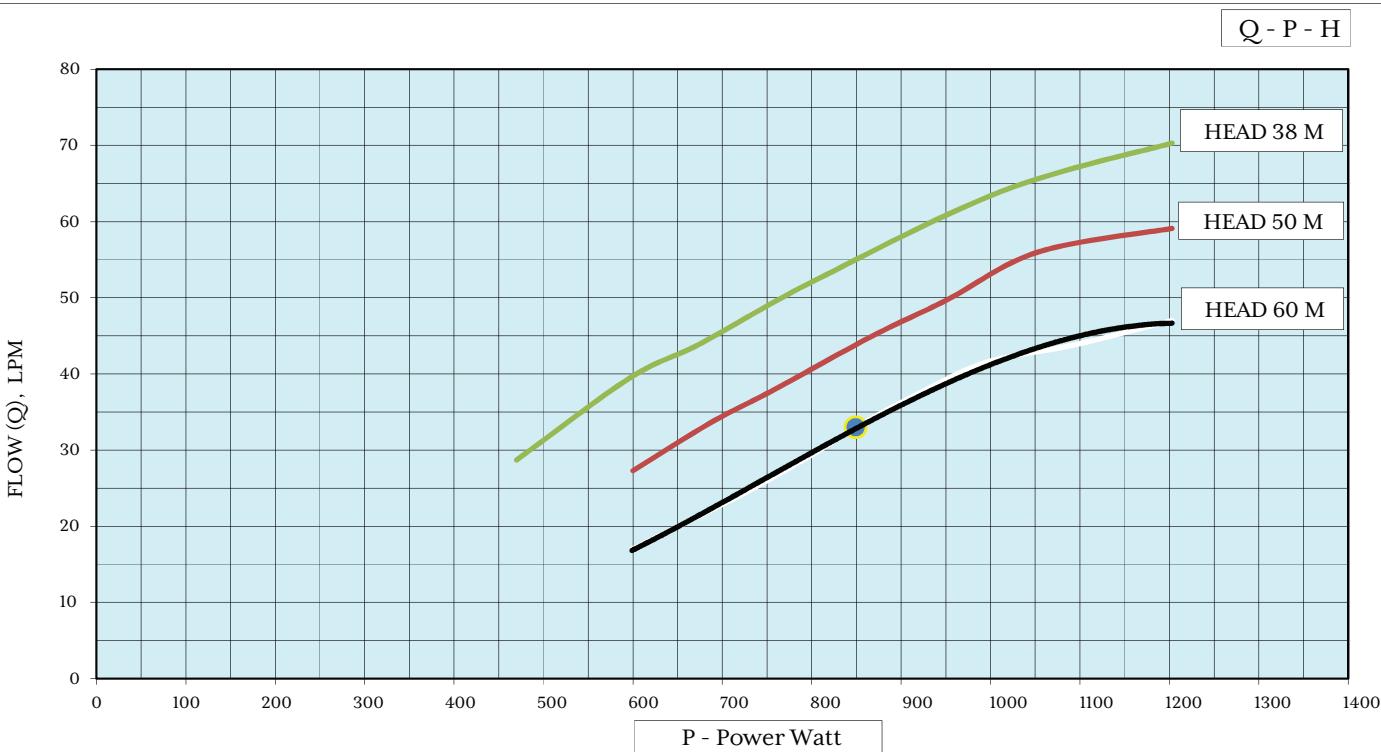


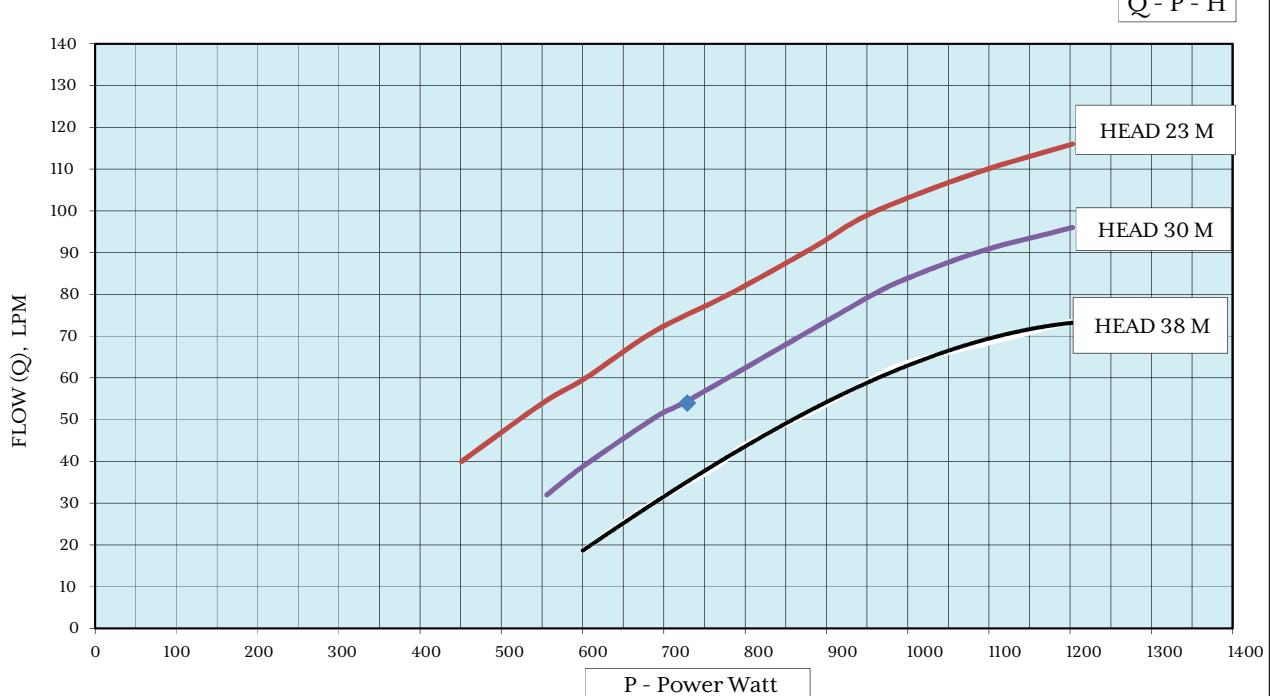


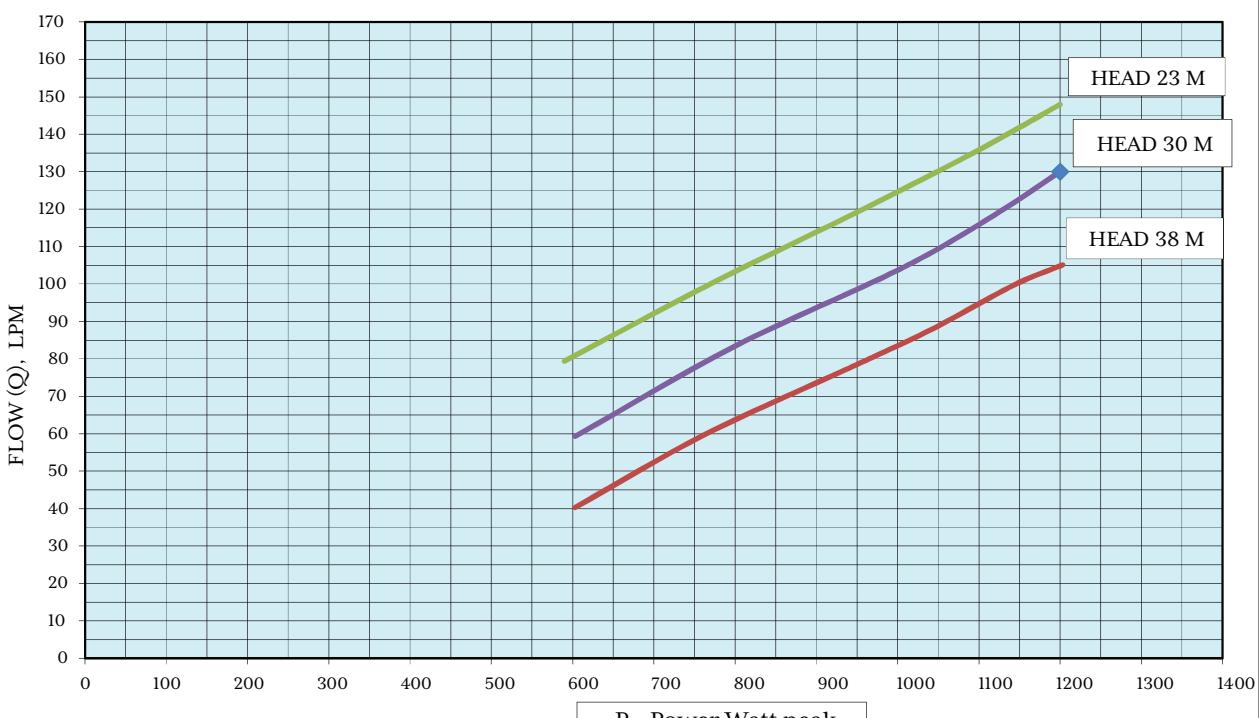


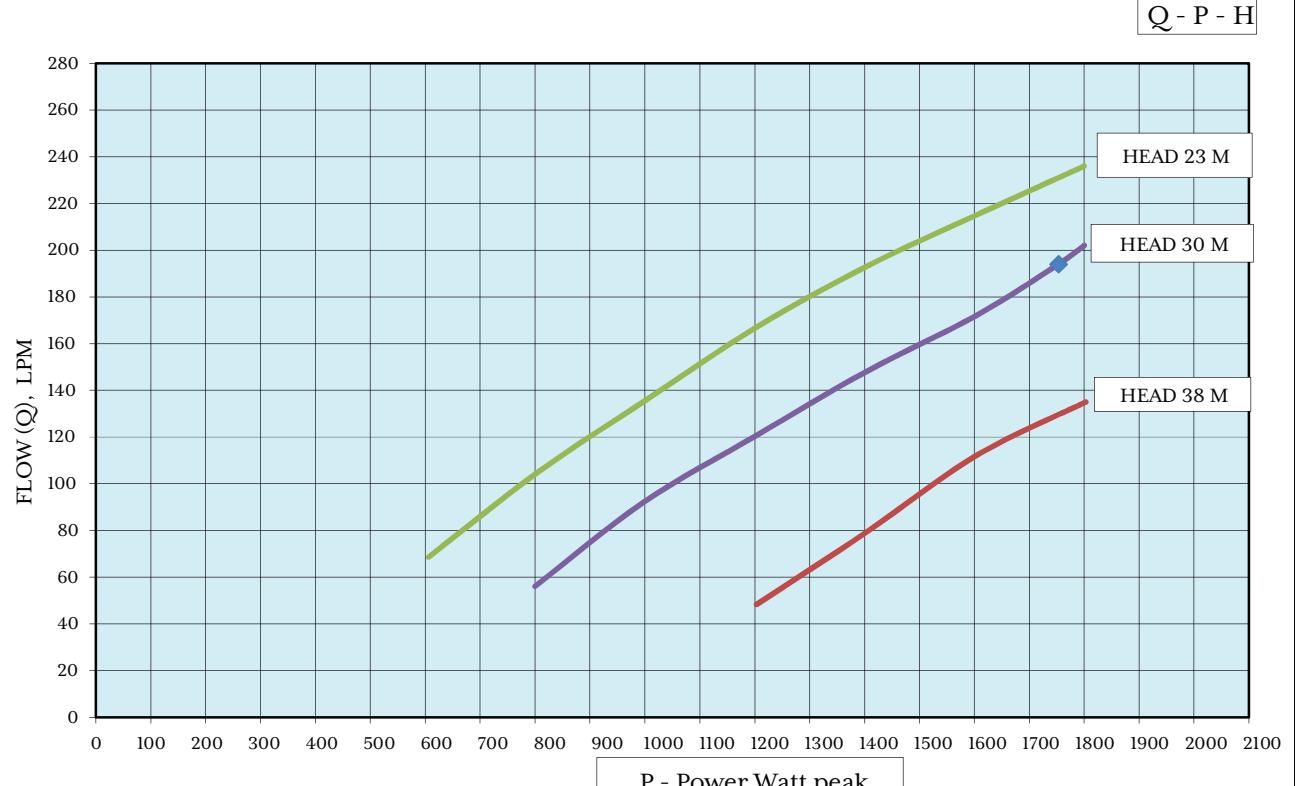
| MEC SOLAR | | | |  0.5 HP | | | | | | | | | | | | | | | | |
|---|----------------------|-----------------|-----------------|--|-----------------|-----------------|-----------------|---------|----------------------|---------|-------------|---------|--|------------|-----|-----------|--|-------------|----------|--|
| BANGLORE (INDIA) | | | | | | | | | | | | | | | | | | | | |
| Flow (LPM) | 79 | SG | 1.000 | | | | | | | | | | | | | | | | | |
| Head | 10 | Speed | 3300 | | | | | | | | | | | | | | | | | |
| Power (Watt) | 462 | Stages | | | | | | | | | | | | | | | | | | |
| Performance Curve for Model MEC-SDW0.5HP10M500W | | | | As per ISO 9906 Gr.IA | | | | | | | | | | | | | | | | |
|  <p>The graph plots Flow (Q) in LPM against Power (P) in Watt peak. Three curves are shown: HEAD 10 M (purple), HEAD 20 M (red), and HEAD 30 M (green). The x-axis ranges from 0 to 600 Watt peak, and the y-axis ranges from 0 to 95 LPM. A horizontal line at 462 Watt peak intersects all three curves.</p> <table border="1"> <thead> <tr> <th>Power (Watt peak)</th> <th>HEAD 10 M (LPM)</th> <th>HEAD 20 M (LPM)</th> <th>HEAD 30 M (LPM)</th> </tr> </thead> <tbody> <tr> <td>462</td> <td>~79</td> <td>~70</td> <td>~60</td> </tr> </tbody> </table> | | | | Power (Watt peak) | HEAD 10 M (LPM) | HEAD 20 M (LPM) | HEAD 30 M (LPM) | 462 | ~79 | ~70 | ~60 | | | | | | | | | |
| Power (Watt peak) | HEAD 10 M (LPM) | HEAD 20 M (LPM) | HEAD 30 M (LPM) | | | | | | | | | | | | | | | | | |
| 462 | ~79 | ~70 | ~60 | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Customer</td> <td></td> <td>Curve No</td> <td></td> </tr> <tr> <td>Project</td> <td>Solar Pumping System</td> <td>Service</td> <td>SOLAR WATER</td> </tr> <tr> <td>Tag No.</td> <td></td> <td>Checked by</td> <td>KAS</td> </tr> <tr> <td>MEC SO No</td> <td></td> <td>Approved by</td> <td>DR.SHIVA</td> </tr> </table> | | | | Customer | | Curve No | | Project | Solar Pumping System | Service | SOLAR WATER | Tag No. | | Checked by | KAS | MEC SO No | | Approved by | DR.SHIVA | |
| Customer | | Curve No | | | | | | | | | | | | | | | | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | | | | | | | | | | | | | | | | |
| Tag No. | | Checked by | KAS | | | | | | | | | | | | | | | | | |
| MEC SO No | | Approved by | DR.SHIVA | | | | | | | | | | | | | | | | | |

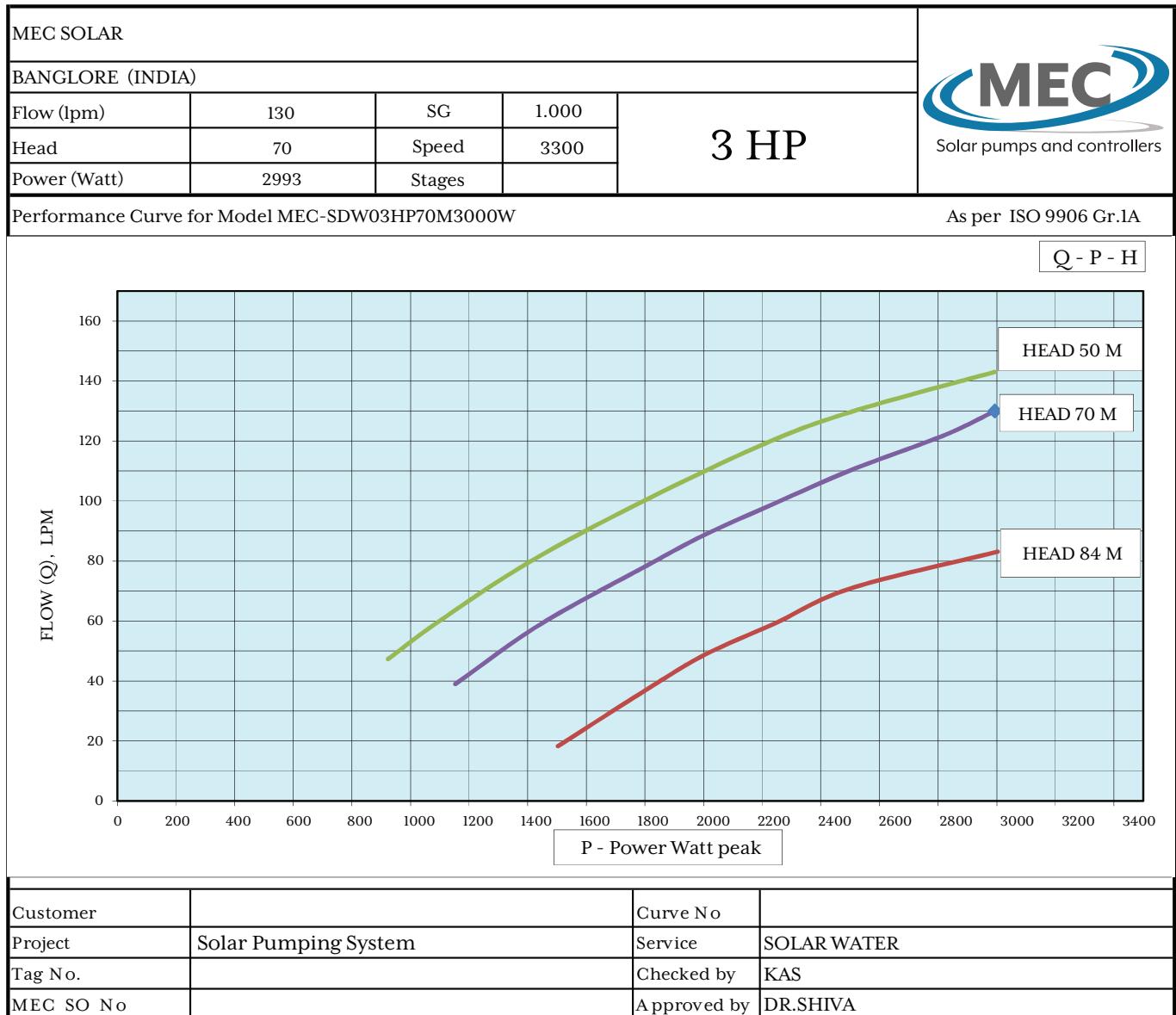
| MEC SOLAR | | | | 1 HP |  MEC Solar pumps and controllers | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|-----------------|------------------|--|--|-----------------|-----------------|------------------|-----|-----|---|---|-----|---|----|---|-----|---|---|----|-----|---|---|-----|-----|-----|---|-----|-----|---|-----|---|
| BANGLORE (INDIA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flow (LPM) | 17 | SG | 1.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Head | 90 | Speed | 3300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power (Watt) | 803 | Stages | | Performance Curve for Model MEC-SDW01HP90M900W | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | As per ISO 9906 Gr.1A | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>The graph plots Flow (Q) in LPM against Power (P) in Watt peak. Three curves are shown: HEAD 70 M (green), HEAD 90 M (purple), and HEAD 100 M (red). The x-axis ranges from 0 to 1100 Watt peak, and the y-axis ranges from 0 to 35 LPM.</p> <table border="1"> <thead> <tr> <th>Power (Watt peak)</th> <th>HEAD 70 M (LPM)</th> <th>HEAD 90 M (LPM)</th> <th>HEAD 100 M (LPM)</th> </tr> </thead> <tbody> <tr> <td>500</td> <td>~13</td> <td>-</td> <td>-</td> </tr> <tr> <td>550</td> <td>-</td> <td>~9</td> <td>-</td> </tr> <tr> <td>600</td> <td>-</td> <td>-</td> <td>~8</td> </tr> <tr> <td>800</td> <td>-</td> <td>-</td> <td>~17</td> </tr> <tr> <td>900</td> <td>~30</td> <td>-</td> <td>~18</td> </tr> <tr> <td>900</td> <td>-</td> <td>~23</td> <td>-</td> </tr> </tbody> </table> | | | | | Power (Watt peak) | HEAD 70 M (LPM) | HEAD 90 M (LPM) | HEAD 100 M (LPM) | 500 | ~13 | - | - | 550 | - | ~9 | - | 600 | - | - | ~8 | 800 | - | - | ~17 | 900 | ~30 | - | ~18 | 900 | - | ~23 | - |
| Power (Watt peak) | HEAD 70 M (LPM) | HEAD 90 M (LPM) | HEAD 100 M (LPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500 | ~13 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 550 | - | ~9 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 | - | - | ~8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 800 | - | - | ~17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 900 | ~30 | - | ~18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 900 | - | ~23 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer | | Curve No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag No. | | Checked by | KAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEC SO No | | Approved by | DR.SHIVA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

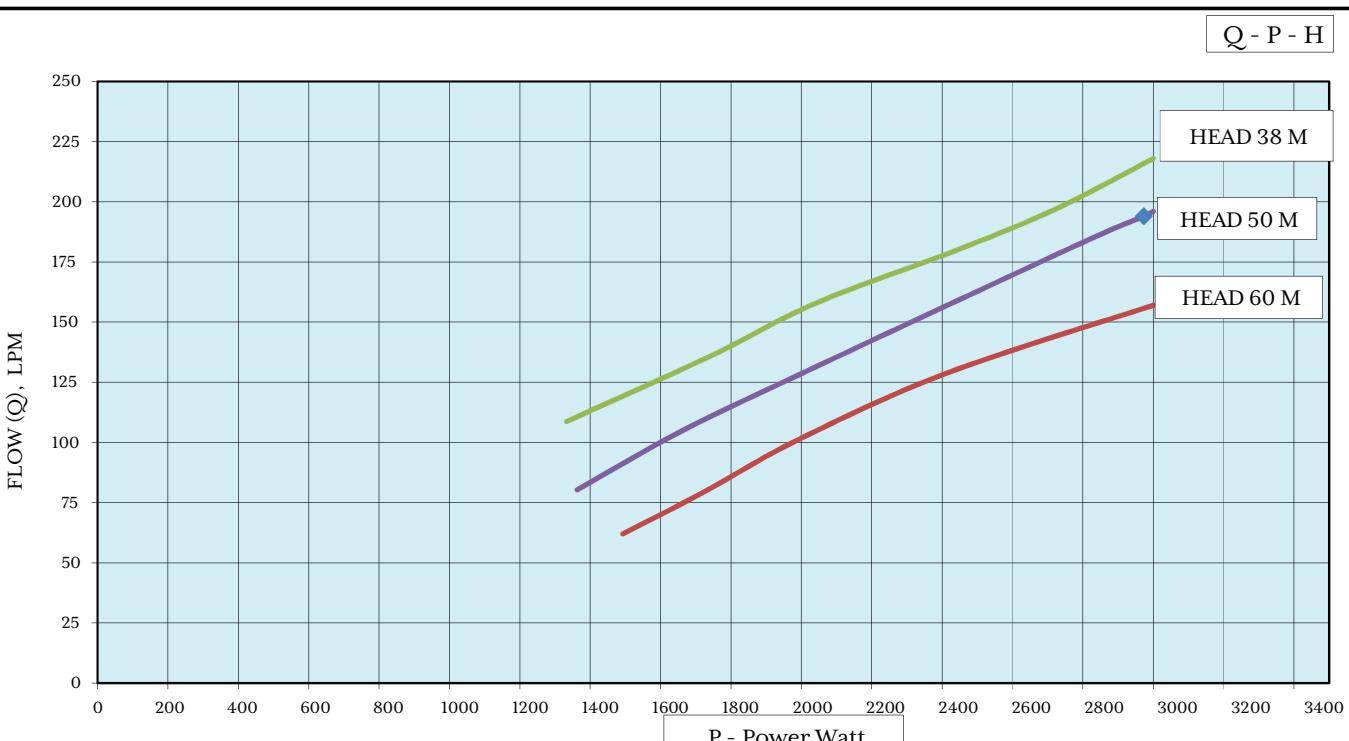
| | | | | | |
|---|----------------------|-------------|-------------|--|--|
| MEC SOLAR | | | | 1 HP  | |
| BANGLORE (INDIA) | | | | | |
| Flow (LPM) | 33 | S.G. | 1.000 | | |
| Head | 60 | Speed | 3300 | | |
| Power (Watt) | 849 | Stages | | | |
| Performance Curve for Model MEC-SDW01HP60M900W | | | | As per ISO 9906 Gr.1A | |
|  | | | | | |
| Customer | | Curve No | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | |
| Tag No. | | Checked by | KAS | | |
| MEC SO No | | Approved by | DR.SHIVA | | |

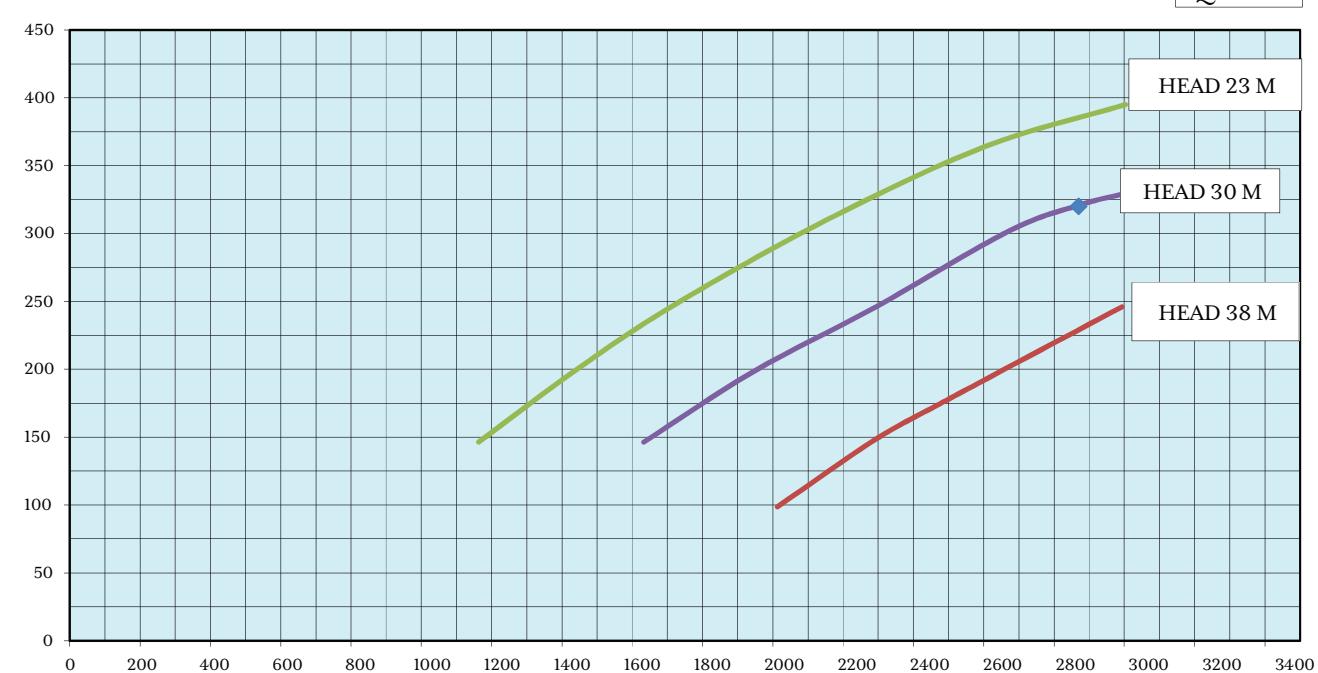
| MEC SOLAR | | | | 1 HP  | | | | | | | | | | | | | | | | | | |
|--|----------------------|-----------------|-----------------|--|-----|----|---|---|-----|---|----|---|-----|---|----|----|------|-----|----|----|-----------|--|
| BANGLORE (INDIA) | | | | | | | | | | | | | | | | | | | | | | |
| Flow (LPM) | 54 | SG | 1.000 | | | | | | | | | | | | | | | | | | | |
| Head | 30 | Speed | 3300 | | | | | | | | | | | | | | | | | | | |
| Power (Watt) | 729 | Stages | | | | | | | | | | | | | | | | | | | | |
| Performance Curve for Model MEC-SDW01HP30M900W | | | | As per ISO 9906 Gr.IA | | | | | | | | | | | | | | | | | | |
|  <p>The graph plots Flow (Q) in LPM against Power (P) in Watt. Three curves are shown: HEAD 23 M (red), HEAD 30 M (purple), and HEAD 38 M (black). The x-axis ranges from 0 to 1400 Watt, and the y-axis ranges from 0 to 140 LPM. A blue arrow points to the intersection of the HEAD 30 M curve and the 729 Watt power line.</p> <table border="1"> <thead> <tr> <th>Power (Watt)</th> <th>HEAD 23 M (LPM)</th> <th>HEAD 30 M (LPM)</th> <th>HEAD 38 M (LPM)</th> </tr> </thead> <tbody> <tr> <td>450</td> <td>40</td> <td>-</td> <td>-</td> </tr> <tr> <td>550</td> <td>-</td> <td>32</td> <td>-</td> </tr> <tr> <td>729</td> <td>-</td> <td>54</td> <td>20</td> </tr> <tr> <td>1200</td> <td>115</td> <td>95</td> <td>72</td> </tr> </tbody> </table> | Power (Watt) | HEAD 23 M (LPM) | HEAD 30 M (LPM) | HEAD 38 M (LPM) | 450 | 40 | - | - | 550 | - | 32 | - | 729 | - | 54 | 20 | 1200 | 115 | 95 | 72 | Q - P - H | |
| Power (Watt) | HEAD 23 M (LPM) | HEAD 30 M (LPM) | HEAD 38 M (LPM) | | | | | | | | | | | | | | | | | | | |
| 450 | 40 | - | - | | | | | | | | | | | | | | | | | | | |
| 550 | - | 32 | - | | | | | | | | | | | | | | | | | | | |
| 729 | - | 54 | 20 | | | | | | | | | | | | | | | | | | | |
| 1200 | 115 | 95 | 72 | | | | | | | | | | | | | | | | | | | |
| Customer | | Curve No | | | | | | | | | | | | | | | | | | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | | | | | | | | | | | | | | | | | | |
| Tag No. | | Checked by | KAS | | | | | | | | | | | | | | | | | | | |
| MEC SO No | | Approved by | DR.SHIVA | | | | | | | | | | | | | | | | | | | |

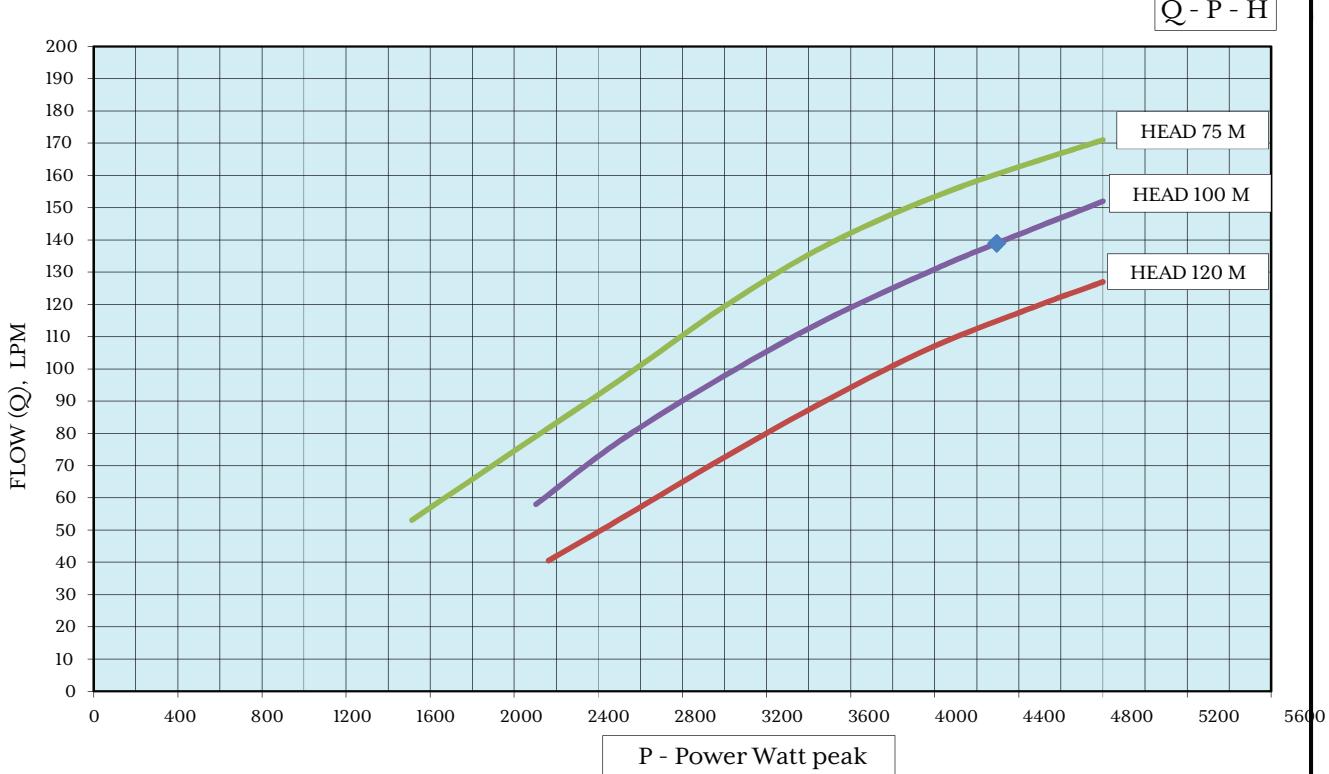
| | | | | | |
|---|----------------------|-------------|-------------|---|--|
| MEC SOLAR | | | |  1 HP Solar pumps and controllers | |
| BANGLORE (INDIA) | | | | | |
| Flow (LPM) | 130 | SG | 1.000 | | |
| Head | 30 | Speed | 3300 | | |
| Power (Watt) | 1200 | Stages | | | |
| Performance Curve for Model MEC- SDW01HP30M1200W | | | | As per ISO 9906 Gr.1A | |
|  Q - P - H | | | | | |
| Customer | | Curve No | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | |
| Tag No. | | Checked by | KAS | | |
| MEC SO No | | Approved by | DR.SHIVA | | |

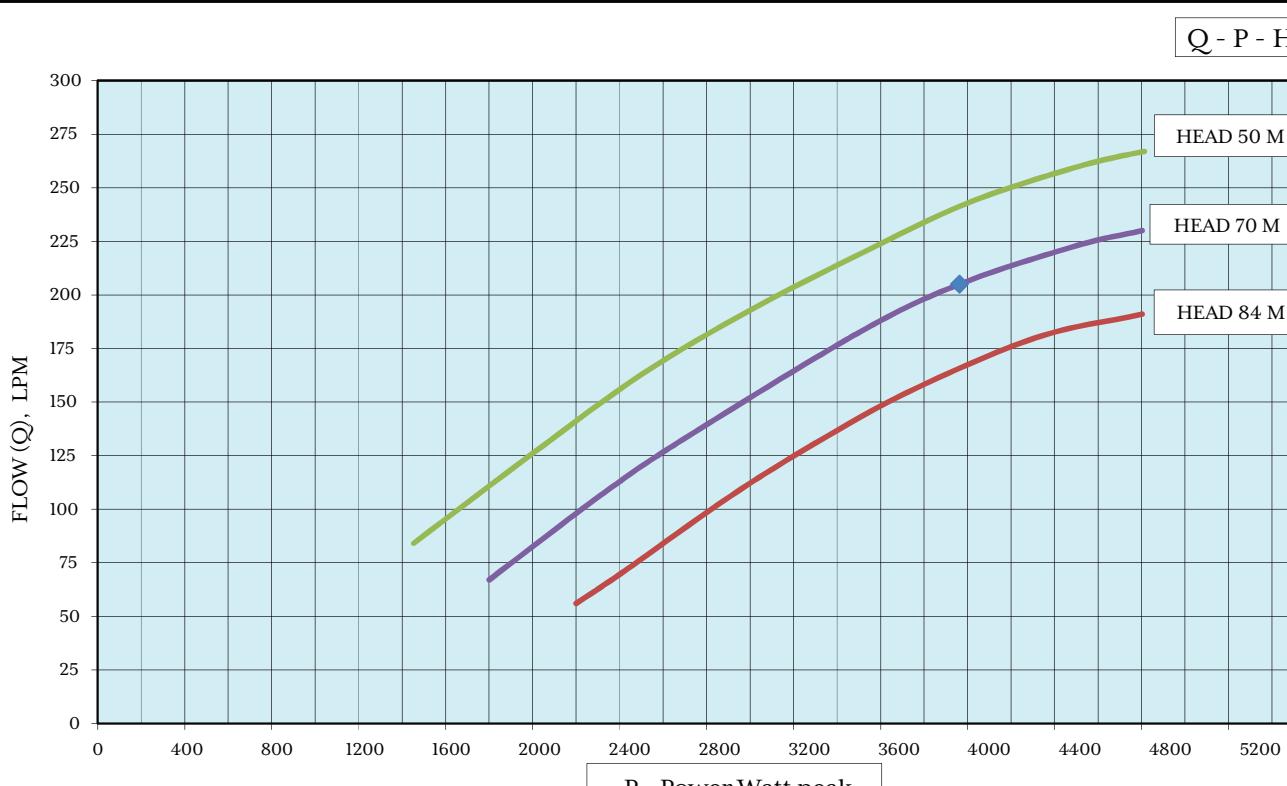
| | | | | | |
|---|----------------------|-------------|-------------|---|--|
| MEC SOLAR | | | |  2 HP Solar pumps and controllers | |
| BANGLORE (INDIA) | | | | | |
| Flow (LPM) | 194 | SG | 1.000 | | |
| Head (m) | 30 | Speed | 3300 | | |
| Power (Watt) | 1753 | Stages | | | |
| Performance Curve for Model MEC-SDW02HP30M1800W | | | | As per ISO 9906 Gr.1A | |
|  Q - P - H | | | | | |
| Customer | | Curve No | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | |
| Tag No. | | Checked By | KAS | | |
| MEC SO No | | Approved By | DR.SHIVA | | |

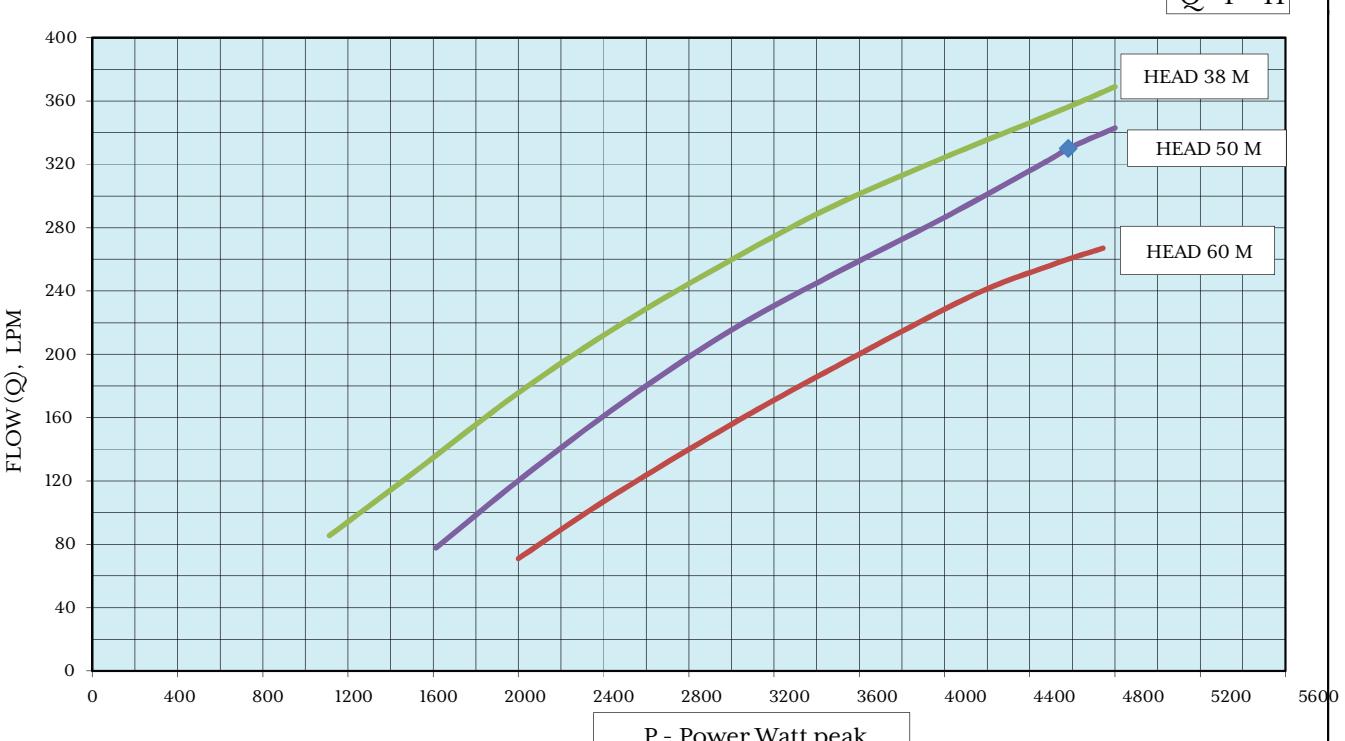


| MEC SOLAR | | | | 3 HP |  Solar pumps and controllers | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------|-----------------|-----------------|-----------------------|--|-----------------|-----------------|-----------------|------|-----|----|----|------|-----|-----|----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|
| BANGLORE (INDIA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flow (LPM) | 194 | SG | 1.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Head | 50 | Speed | 3300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power (Watt) | 2973 | Stages | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Performance Curve for Model MEC-SDW03HP50M3000W | | | | As per ISO 9906 Gr.1A | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>The graph plots Flow (Q) in LPM against Power (P) in Watts. Three curves are shown: HEAD 38 M (green), HEAD 50 M (purple), and HEAD 60 M (red). The x-axis ranges from 0 to 3400 Watts, and the y-axis ranges from 0 to 250 LPM.</p> <table border="1"> <thead> <tr> <th>Power (Watt)</th> <th>HEAD 38 M (LPM)</th> <th>HEAD 50 M (LPM)</th> <th>HEAD 60 M (LPM)</th> </tr> </thead> <tbody> <tr> <td>1350</td> <td>110</td> <td>85</td> <td>65</td> </tr> <tr> <td>1600</td> <td>130</td> <td>105</td> <td>85</td> </tr> <tr> <td>2000</td> <td>155</td> <td>130</td> <td>110</td> </tr> <tr> <td>2400</td> <td>180</td> <td>155</td> <td>135</td> </tr> <tr> <td>2800</td> <td>205</td> <td>180</td> <td>160</td> </tr> <tr> <td>3000</td> <td>220</td> <td>195</td> <td>175</td> </tr> </tbody> </table> | | | | | Power (Watt) | HEAD 38 M (LPM) | HEAD 50 M (LPM) | HEAD 60 M (LPM) | 1350 | 110 | 85 | 65 | 1600 | 130 | 105 | 85 | 2000 | 155 | 130 | 110 | 2400 | 180 | 155 | 135 | 2800 | 205 | 180 | 160 | 3000 | 220 | 195 | 175 |
| Power (Watt) | HEAD 38 M (LPM) | HEAD 50 M (LPM) | HEAD 60 M (LPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1350 | 110 | 85 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1600 | 130 | 105 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 155 | 130 | 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2400 | 180 | 155 | 135 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2800 | 205 | 180 | 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3000 | 220 | 195 | 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer | | Curve No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag No. | | Checked by | KAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEC SO No | | Approved by | DR.SHIVA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|---|----------------------|-------------|-------------|-----------------------|--|--|--|
| MEC SOLAR | | | | 3 HP |  MEC Solar pumps and controllers | | |
| BANGLORE (INDIA) | | | | | | | |
| Flow (LPM) | 320 | SG | 1.000 | | | | |
| Head | 30 | Speed | 3300 | | | | |
| Power (Watt) | 2870 | Stages | | As per ISO 9906 Gr.1A | | | |
| Performance Curve for Model MEC- SDW03HP30M3000W | | | | Q - P - H | | | |
|  | | | | | | | |
| Customer | | Curve No | | P - Power Watt PEAK | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | | | |
| Tag No. | | Checked by | KAS | | | | |
| MEC SO No | | Approved by | DR.SHIVA | | | | |

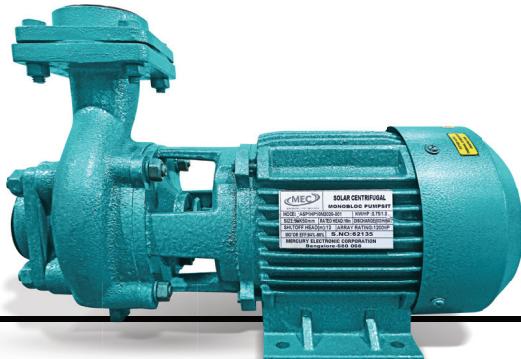
| MEC SOLAR | | | |  5 HP Solar pumps and controllers | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|------------------|------------------|---|-----------------|------------------|------------------|-------|-----|---|---|-------|---|-----|---|-------|------|------|-----|-------|---|------|------|-------|------|------|------|
| BANGLORE (INDIA) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flow (LPM) | 139 | SG | 1.000 | | | | | | | | | | | | | | | | | | | | | | | | |
| Head (m) | 100 | Speed | 3300 | | | | | | | | | | | | | | | | | | | | | | | | |
| Power (Watt) | 4296 | Stages | | | | | | | | | | | | | | | | | | | | | | | | | |
| Performance Curve for Model MEC-SDW05HP100M4800W | | | | As per ISO 9906 Gr.1A | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>The graph plots Flow (Q) in LPM against Power (P) in Watt peak. Three curves are shown for different head heights: HEAD 75 M (green), HEAD 100 M (purple), and HEAD 120 M (red). The x-axis ranges from 0 to 5600 Watt peak, and the y-axis ranges from 0 to 200 LPM. The curves show that as head height increases, the required power also increases for a given flow rate.</p> <table border="1"> <thead> <tr> <th>Power (Watt peak)</th> <th>HEAD 75 M (LPM)</th> <th>HEAD 100 M (LPM)</th> <th>HEAD 120 M (LPM)</th> </tr> </thead> <tbody> <tr> <td>~1600</td> <td>~55</td> <td>-</td> <td>-</td> </tr> <tr> <td>~2100</td> <td>-</td> <td>~60</td> <td>-</td> </tr> <tr> <td>~3600</td> <td>~145</td> <td>~120</td> <td>~95</td> </tr> <tr> <td>~4300</td> <td>-</td> <td>~140</td> <td>~115</td> </tr> <tr> <td>~4800</td> <td>~170</td> <td>~150</td> <td>~130</td> </tr> </tbody> </table> | | | | Power (Watt peak) | HEAD 75 M (LPM) | HEAD 100 M (LPM) | HEAD 120 M (LPM) | ~1600 | ~55 | - | - | ~2100 | - | ~60 | - | ~3600 | ~145 | ~120 | ~95 | ~4300 | - | ~140 | ~115 | ~4800 | ~170 | ~150 | ~130 |
| Power (Watt peak) | HEAD 75 M (LPM) | HEAD 100 M (LPM) | HEAD 120 M (LPM) | | | | | | | | | | | | | | | | | | | | | | | | |
| ~1600 | ~55 | - | - | | | | | | | | | | | | | | | | | | | | | | | | |
| ~2100 | - | ~60 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| ~3600 | ~145 | ~120 | ~95 | | | | | | | | | | | | | | | | | | | | | | | | |
| ~4300 | - | ~140 | ~115 | | | | | | | | | | | | | | | | | | | | | | | | |
| ~4800 | ~170 | ~150 | ~130 | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer | | Curve No | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag No. | | Checked by | KAS | | | | | | | | | | | | | | | | | | | | | | | | |
| MEC SO No | | Approved by | DR.SHIVA | | | | | | | | | | | | | | | | | | | | | | | | |

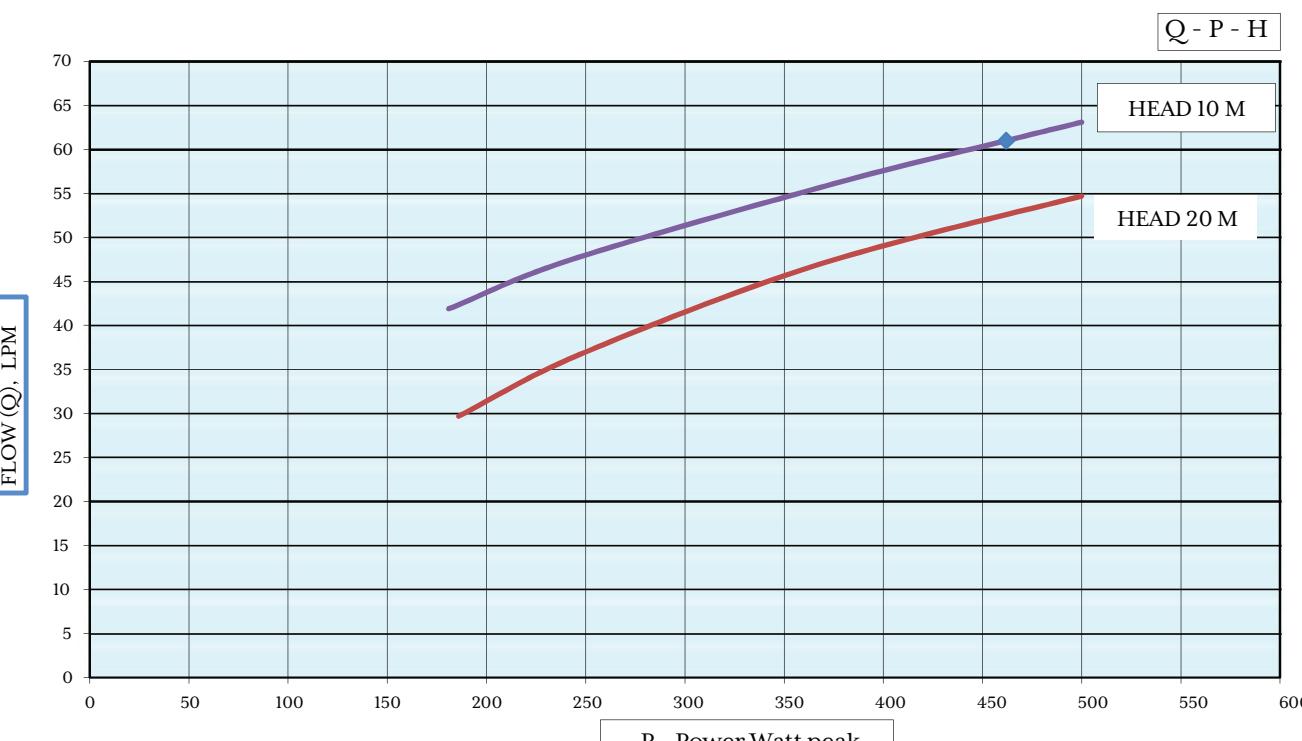
| | | | | | |
|---|----------------------|-------------|-------------|--|--|
| MEC SOLAR | | | |  5 HP | |
| BANGLORE (INDIA) | | | | | |
| Flow (LPM) | 205 | SG | 1.000 | | |
| Head (m) | 70 | Speed | 3300 | | |
| Power (Watt) | 3963 | Stages | | | |
| Performance Curve for Model MEC-SDW05HP70M4800W | | | | As per ISO 9906 Gr.1A | |
|  | | | | | |
| Customer | | Curve No | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | |
| Tag No. | | Checked by | KAS | | |
| MEC SO No | | Approved by | DR.SHIVA | | |

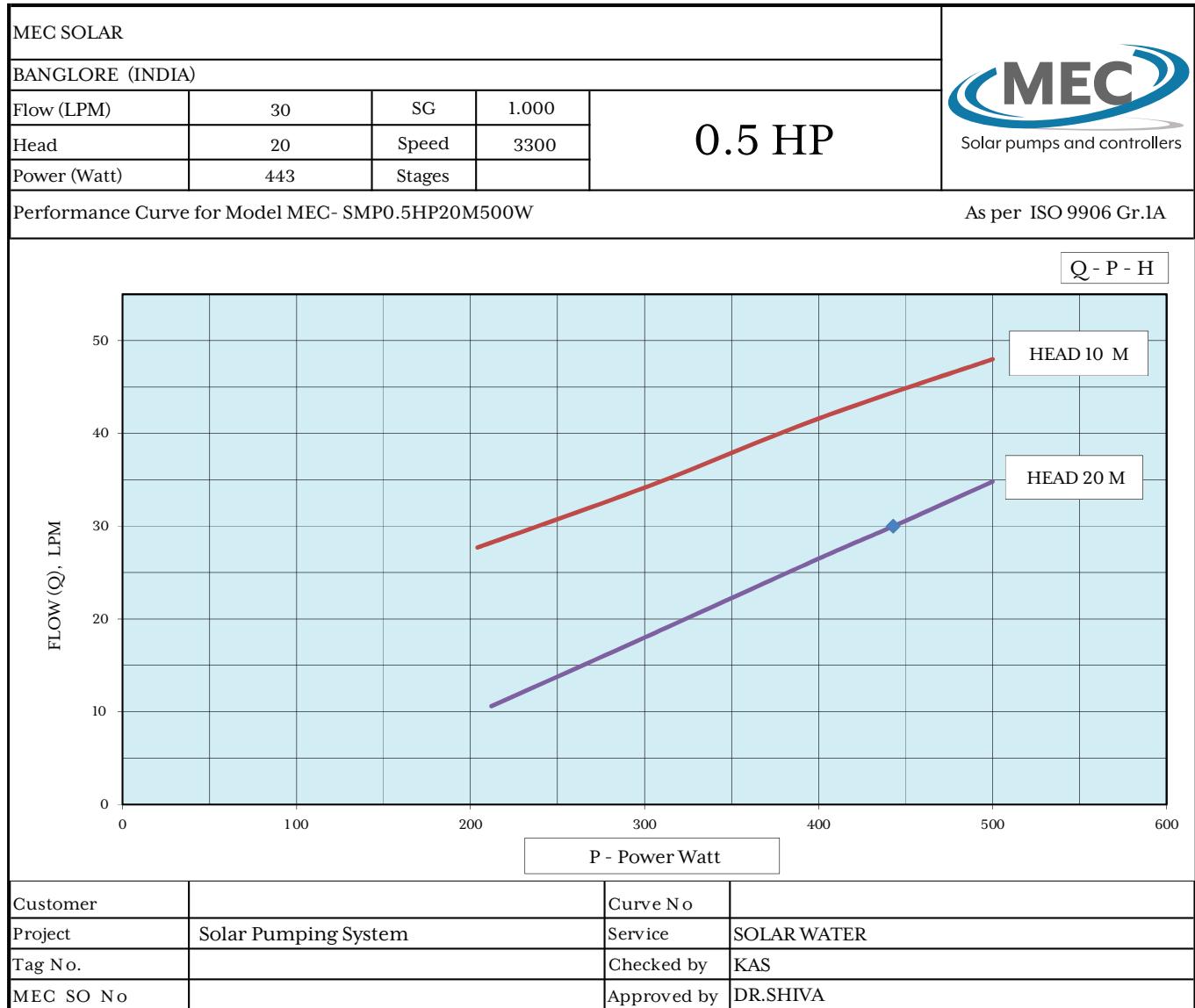
| MEC SOLAR | | | |  5 HP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|--------------------|--------------------|--|------|-----|---|---|------|---|-----|---|------|---|---|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| BANGLORE (INDIA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flow (LPM) | 330 | SG | 1.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Head (m) | 50 | Speed | 3300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power (Watt) | 4580 | Stages | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Performance Curve for Model MEC-SDW05HP50M4800W | | | | As per ISO 9906 Gr.1A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>The graph plots Flow (Q) in LPM against Power (P) in Watt peak. Three curves are shown: HEAD 38 M (green), HEAD 50 M (purple), and HEAD 60 M (red). The x-axis ranges from 0 to 5600 Watt peak, and the y-axis ranges from 0 to 400 LPM. The curves show that flow increases with power, and higher head requirements result in lower flow at any given power level.</p> <table border="1"> <thead> <tr> <th>Power (Watt peak)</th> <th>HEAD 38 M (Q, LPM)</th> <th>HEAD 50 M (Q, LPM)</th> <th>HEAD 60 M (Q, LPM)</th> </tr> </thead> <tbody> <tr> <td>1200</td> <td>~85</td> <td>-</td> <td>-</td> </tr> <tr> <td>1600</td> <td>-</td> <td>~80</td> <td>-</td> </tr> <tr> <td>2000</td> <td>-</td> <td>-</td> <td>~78</td> </tr> <tr> <td>2400</td> <td>~180</td> <td>~150</td> <td>~125</td> </tr> <tr> <td>2800</td> <td>~250</td> <td>~220</td> <td>~175</td> </tr> <tr> <td>3200</td> <td>~300</td> <td>~270</td> <td>~225</td> </tr> <tr> <td>3600</td> <td>~330</td> <td>~300</td> <td>~250</td> </tr> <tr> <td>4000</td> <td>~360</td> <td>~330</td> <td>~275</td> </tr> <tr> <td>4400</td> <td>~380</td> <td>~350</td> <td>~295</td> </tr> <tr> <td>4800</td> <td>~400</td> <td>~370</td> <td>~315</td> </tr> <tr> <td>5200</td> <td>~420</td> <td>~390</td> <td>~335</td> </tr> </tbody> </table> | Power (Watt peak) | HEAD 38 M (Q, LPM) | HEAD 50 M (Q, LPM) | HEAD 60 M (Q, LPM) | 1200 | ~85 | - | - | 1600 | - | ~80 | - | 2000 | - | - | ~78 | 2400 | ~180 | ~150 | ~125 | 2800 | ~250 | ~220 | ~175 | 3200 | ~300 | ~270 | ~225 | 3600 | ~330 | ~300 | ~250 | 4000 | ~360 | ~330 | ~275 | 4400 | ~380 | ~350 | ~295 | 4800 | ~400 | ~370 | ~315 | 5200 | ~420 | ~390 | ~335 |
| Power (Watt peak) | HEAD 38 M (Q, LPM) | HEAD 50 M (Q, LPM) | HEAD 60 M (Q, LPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200 | ~85 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1600 | - | ~80 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | - | - | ~78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2400 | ~180 | ~150 | ~125 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2800 | ~250 | ~220 | ~175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3200 | ~300 | ~270 | ~225 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3600 | ~330 | ~300 | ~250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4000 | ~360 | ~330 | ~275 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4400 | ~380 | ~350 | ~295 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4800 | ~400 | ~370 | ~315 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5200 | ~420 | ~390 | ~335 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer | | Curve No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag No. | | Checked By | KAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEC SO No | | Approved By | DR.SHIVA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

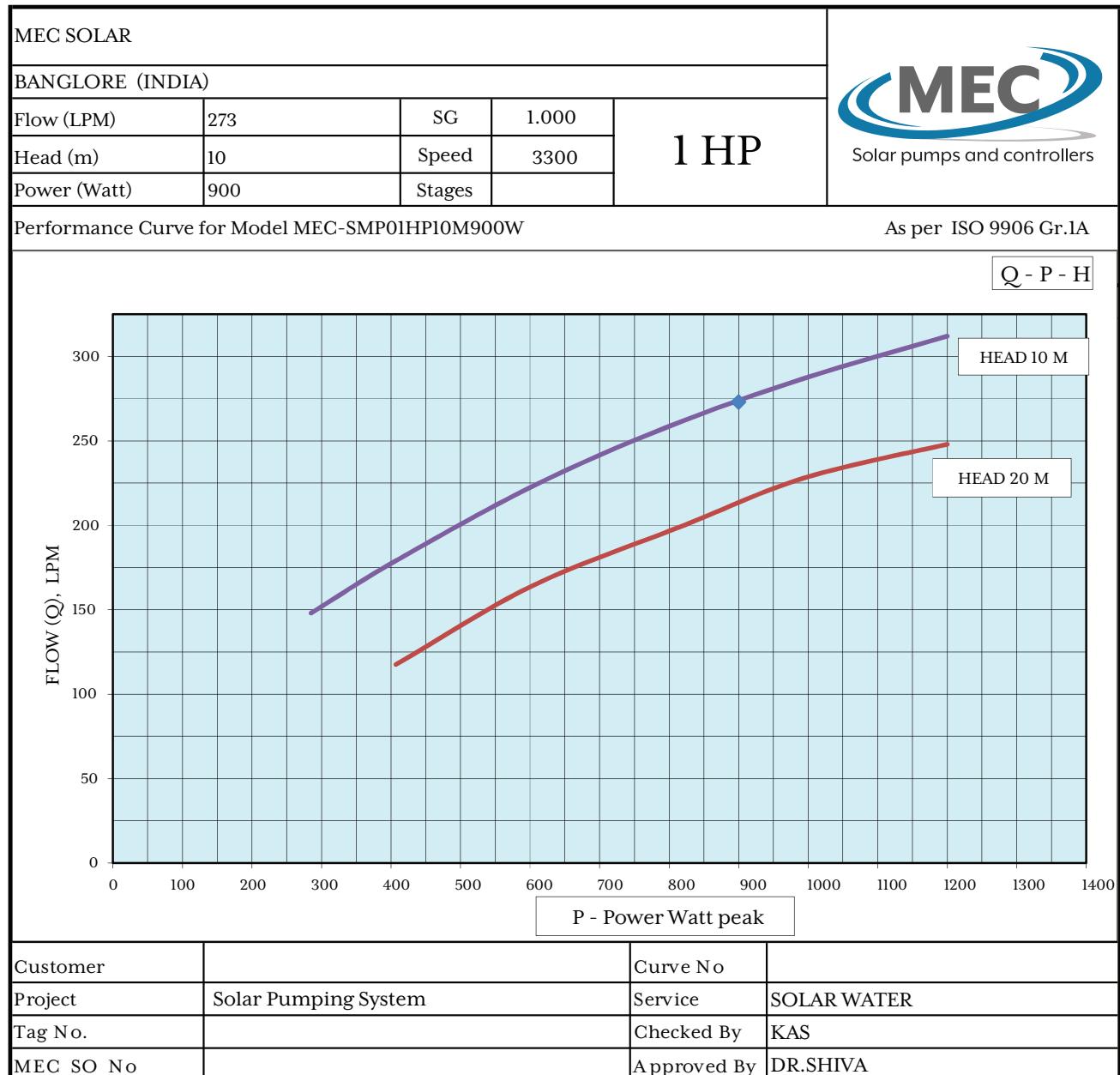
MEC SOLAR MONOBLOCK/SURFACE PUMPS

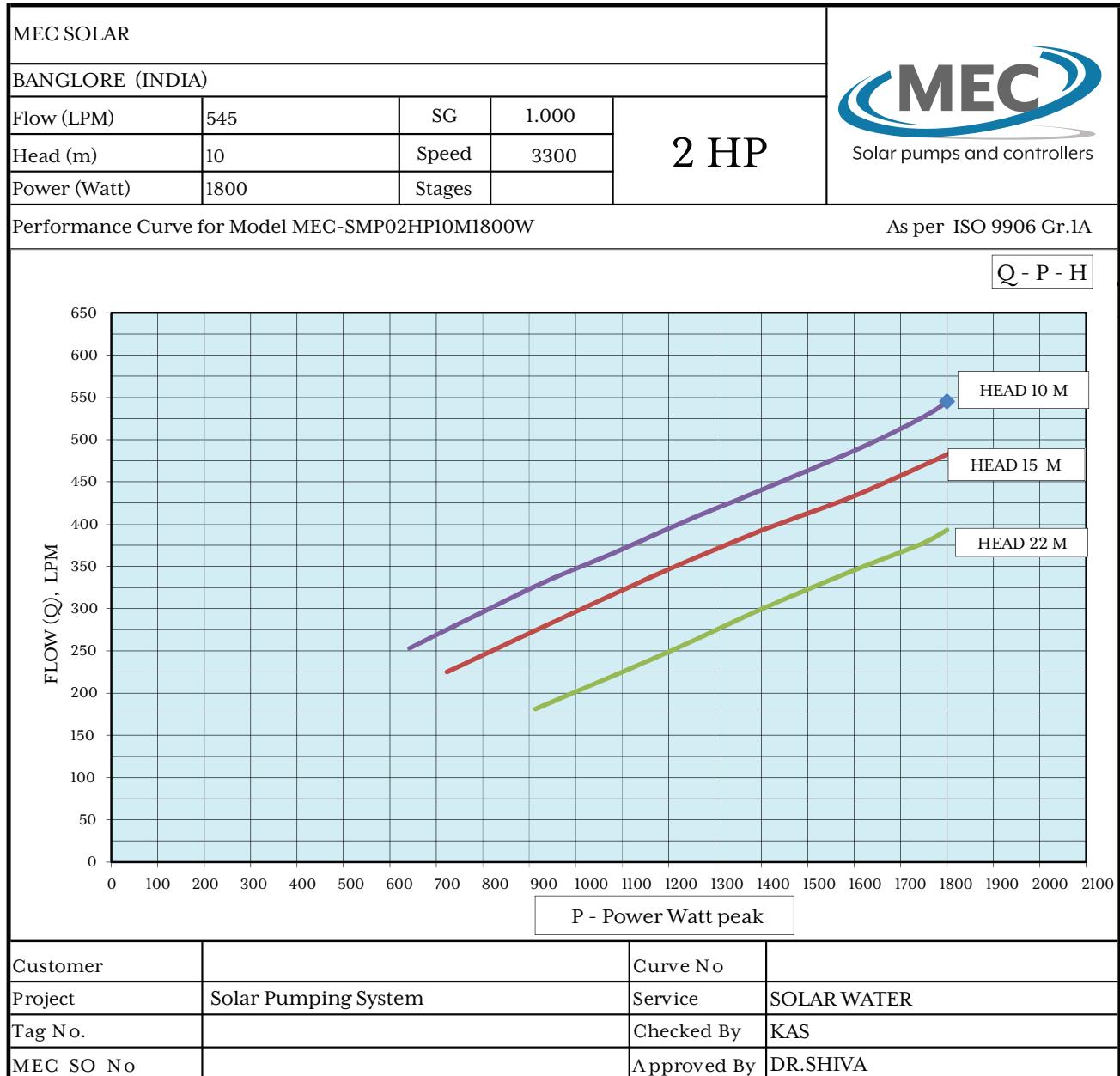
— Performence Curves —

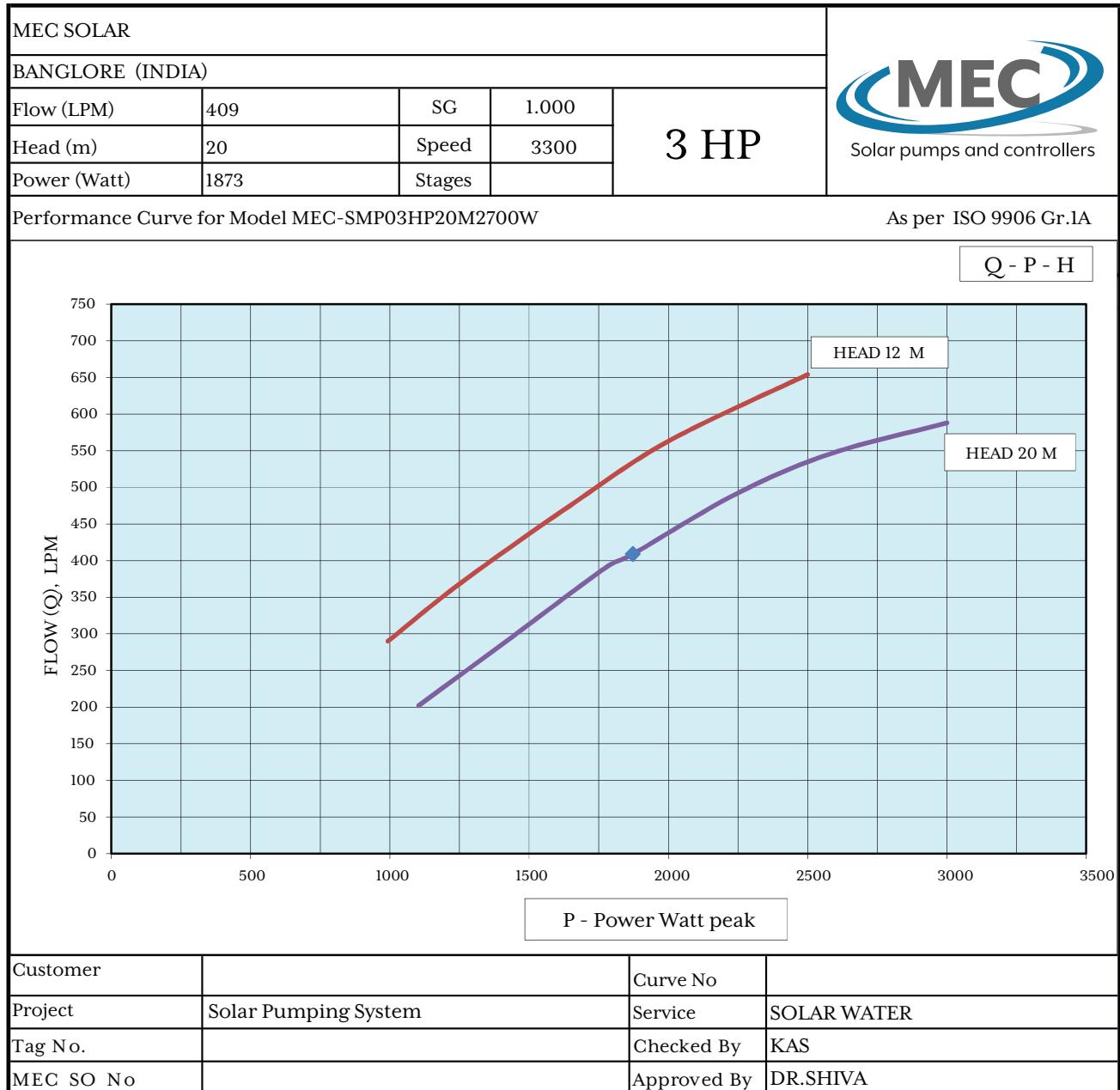


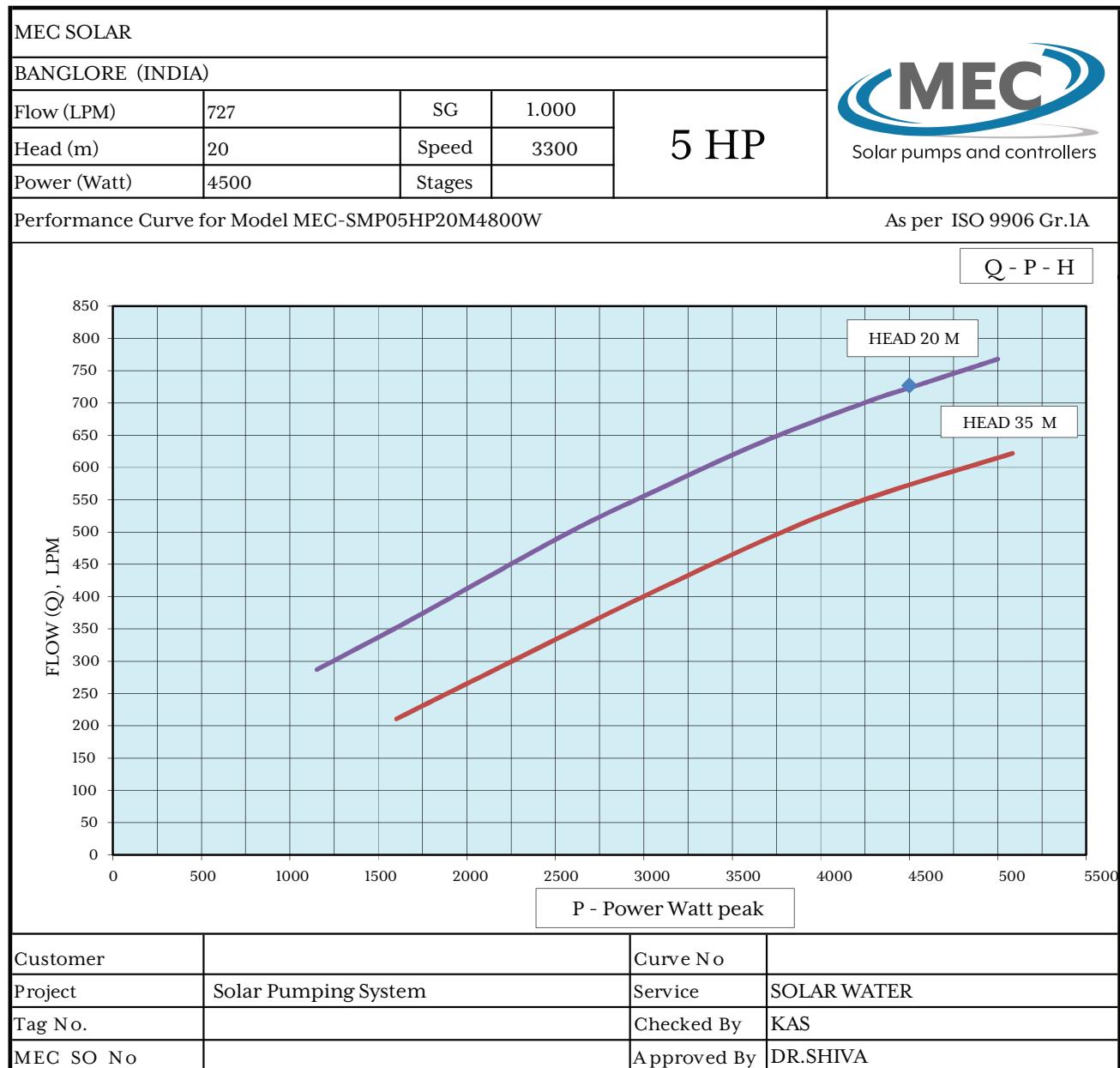
| | | | | | |
|--|----------------------|-------------|-------------|--|--|
| MEC SOLAR | | | | 0.5 HP  | |
| BANGLORE (INDIA) | | | | | |
| Flow (LPM) | 61 | SG | 1.000 | | |
| Head | 10 | Speed | 3300 | | |
| Power (Watt) | 462 | Stages | | | |
| Performance Curve for Model MEC-SMP0.5HP10M500W | | | | As per ISO 9906 Gr.IA | |
|  | | | | | |
| Customer | | Curve No | | | |
| Project | Solar Pumping System | Service | SOLAR WATER | | |
| Tag No. | | Checked by | KAS | | |
| MEC SO No | | Approved by | DR.SHIVA | | |











OUR CHANNEL PARTNERS

— ACROSS GLOBE —



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