

Micro-Hydro-Power-Vertical-Tubular-Turbine- MH-3KW



**Vertical Tubular Turbine Unit Main Technical Performance Parameters**

| <b>Main Specifications</b> |           |  |
|----------------------------|-----------|--|
| <b>Turbine</b>             |           | Remarks  |
| Type                       | LH-3KW    | Vertical Tubular Turbine   |
| Rated Head                 | 11m       |  |
| Rated Flow                 | 45 l/s    |  |
| Power                      | 3 KW      |  |
| Efficiency                 | 60%       |  |
| <b>Generator</b>           |           | Remarks  |
| Type                       | SF3-4     | Conforms to the IEC international electrician committee standard & CE standard |
| Rated Power                | 3KW       |  |
| Rated Voltage              | 230V      |  |
| Rated Current              | 13.04 A   |  |
| <b>Frequency</b>           | 50Hz      |  |
| Rated Rotational           | 1500r/min |  |
| Phase                      | 1         |  |

|   |                            |    |     |  |
|---|----------------------------|----|-----|--|
| P.F.  | 0.9                        |    |     |  |
| Elevation   | ≤3000m                     |    |     |  |
| Insulation Grade  | B/B                        |    |     |  |
| Protection Grade  | IP44                       |    |     |  |
| Ambient Temperature   | -25°C~+50°C                |    |     |  |
| Relative Humidity   | ≤90%                       |    |     |  |
| <b>Control Panel</b>  |                            |    |     |  |
| Safety Protection   | Short circuit Protection   |    |     |  |
|   | Islanding Protection       |    |     |  |
|   | Over Load Protection       |    |     |  |
|   | Grounding Fault Protection |    |     |  |
| Packing Material  | Fiberboard                 |    |     |  |
| Packing Size  | 0.5 M3                     |    |     |  |
| Packing Weight  | Net                        | Kg | 130 |  |
|   | Gross                      | kg | 150 |  |
| <p>Stated: This product presents or the technical parameter revision is the technical improvement result, no other explanation.</p> <p><b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b></p> |                            |    |     |  |

Micro-Hydro-Power-Vertical-Tubular-Turbine- MH-3KW



### Vertical Tubular Turbine Unit Main Technical Performance Parameters

| Main Specifications |           |  |
|---------------------|-----------|--|
| <b>Turbine</b>      |           | Remarks  |
| Type                | MH-3KW    | Vertical Tubular Turbine   |
| Rated Head          | 4m        |  |
| Rated Flow          | 136 l/s   |  |
| Power               | 3 KW      |  |
| Efficiency          | 60%       |  |
| <b>Generator</b>    |           | Remarks  |
| Type                | SF3-4     | Conforms to the IEC international electrician committee standard & CE standard |
| Rated Power         | 3KW       |  |
| Rated Voltage       | 230V      |  |
| Rated Current       | 13.04 A   |  |
| <b>Frequency</b>    | 50Hz      |  |
| Rated Rotational    | 1500r/min |  |
| Phase               | 1         |  |
| P.F.                | 0.9       |  |
| Elevation           | ≤3000m    |  |
| Insulation Grade    | B/B       |  |
| Protection Grade    | IP44      |  |

|                      |                            |    |     |         |
|----------------------|----------------------------|----|-----|---------|
| Ambient Temperature  | -25°C~+50°C                |    |     |         |
| Relative Humidity    | ≤90%                       |    |     |         |
| <b>Control Panel</b> |                            |    |     | Remarks |
| Safety Protection    | Short circuit Protection   |    |     |         |
|                      | Islanding Protection       |    |     |         |
|                      | Over Load Protection       |    |     |         |
|                      | Grounding Fault Protection |    |     |         |
| Packing Material     | Fiberboard                 |    |     |         |
| Packing Size         | 1.2 M3                     |    |     |         |
| Packing Weight       | Net                        | Kg | 420 |         |
|                      | Gross                      | Kg | 450 |         |

Stated: This product presents or the technical parameter revision is the technical improvement result, no other explanation.

**Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.**



### Vertical Tubular Turbine Unit Main Technical Performance Parameters

| Main Specifications |           |  |
|---------------------|-----------|--|
| <b>Turbine</b>      |           | Remarks  |
| Type                | MH-5KW    | Vertical Tubular Turbine   |
| Rated Head          | 6m        |  |
| Rated Flow          | 151 l/s   |  |
| Power               | 5KW       |  |
| Efficiency          | 60%       |  |
| <b>Generator</b>    |           | Remarks  |
| Type                | SF5-4     | Conforms to the IEC international electrician committee standard & CE standard |
| Rated Power         | 5KW       |  |
| Rated Voltage       | 230V      |  |
| Rated Current       | 21.74 A   |  |
| <b>Frequency</b>    | 50Hz      |  |
| Rated Rotational    | 1500r/min |  |
| Phase               | 1         |  |
| P.F.                | 0.9       |  |
| Elevation           | ≤3000m    |  |

|  |                            |    |     |         |
|--|----------------------------|----|-----|---------|
| Insulation Grade   | B/B                        |    |     |         |
| Protection Grade   | IP44                       |    |     |         |
| Ambient Temperature  | -25°C~+50°C                |    |     |         |
| Relative Humidity  | ≤90%                       |    |     |         |
| <b>Control Panel</b>   |                            |    |     | Remarks |
| Safety Protection  | Short circuit Protection   |    |     |         |
|  | Islanding Protection       |    |     |         |
|  | Over Load Protection       |    |     |         |
|  | Grounding Fault Protection |    |     |         |
| Packing Material   | Fiberboard                 |    |     |         |
| Packing Size   | 1.3M3                      |    |     |         |
| Packing Weight   | Net                        | Kg | 450 |         |
|  | Gross                      | Kg | 490 |         |
| Stated: This product presents or the technical parameter revision is the technical improvement |                            |    |     |         |

Micro-Hydro-Power-Vertical-Tubular-Turbine- MH-6KW



### Vertical Tubular Turbine Unit Main Technical Performance Parameters

| Main Specifications |           |  |
|---------------------|-----------|--|
| <b>Turbine</b>      |           | Remarks  |
| Type                | MH-6KW    | Vertical Tubular Turbine   |
| Rated Head          | 7m        |  |
| Rated Flow          | 156 l/s   |  |
| Power               | 6 KW      |  |
| Efficiency          | 60%       |  |
| <b>Generator</b>    |           | Remarks  |
| Type                | SF6-4     | Conforms to the IEC international electrician committee standard & CE standard |
| Rated Power         | 6KW       |  |
| Rated Voltage       | 230V      |  |
| Rated Current       | 26.08 A   |  |
| <b>Frequency</b>    | 50Hz      |  |
| Rated Rotational    | 1500r/min |  |
| Phase               | 1         |  |
| P.F.                | 0.9       |  |
| Elevation           | ≤3000m    |  |
| Insulation Grade    | B/B       |  |
| Protection Grade    | IP44      |  |

|  |                            |    |     |         |
|--|----------------------------|----|-----|---------|
| Ambient Temperature  | -25°C~+50°C                |    |     |         |
| Relative Humidity  | ≤90%                       |    |     |         |
| <b>Control Panel</b>   |                            |    |     | Remarks |
| Safety Protection  | Short circuit Protection   |    |     |         |
|  | Islanding Protection       |    |     |         |
|  | Over Load Protection       |    |     |         |
|  | Grounding Fault Protection |    |     |         |
| Packing Material   | Fiberboard                 |    |     |         |
| Packing Size   | 1.4 M3                     |    |     |         |
| Packing Weight   | Net                        | Kg | 460 |         |
|  | Gross                      | Kg | 500 |         |
| Stated: This product presents or the technical parameter revision is the technical improvement result, no other explanation. |                            |    |     |         |

Micro-Hydro-Power-Vertical-Tubular-Turbine- MH-8KW





### Vertical Tubular Turbine Unit Main Technical Performance Parameters

| Main Specifications |           |  |
|---------------------|-----------|--|
| <b>Turbine</b>      |           | Remarks  |
| Type                | MH-8KW    | Vertical Tubular Turbine   |
| Rated Head          | 9m        |  |
| Rated Flow          | 161 l/s   |  |
| Power               | 8 KW      |  |
| Efficiency          | 60%       |  |
| <b>Generator</b>    |           | Remarks  |
| Type                | SF8-4     | Conforms to the IEC international electrician committee standard & CE standard |
| Rated Power         | 8KW       |  |
| Rated Voltage       | 230V      |  |
| Rated Current       | 34.78 A   |  |
| <b>Frequency</b>    | 50Hz      |  |
| Rated Rotational    | 1500r/min |  |
| Phase               | 1         |  |
| P.F.                | 0.9       |  |
| Elevation           | ≤3000m    |  |
| Insulation Grade    | B/B       |  |
| Protection Grade    | IP44      |  |

|  |                            |    |     |         |
|--|----------------------------|----|-----|---------|
| Ambient Temperature  | -25°C~+50°C                |    |     |         |
| Relative Humidity  | ≤90%                       |    |     |         |
| <b>Control Panel</b>   |                            |    |     | Remarks |
| Safety Protection  | Short circuit Protection   |    |     |         |
|  | Islanding Protection       |    |     |         |
|  | Over Load Protection       |    |     |         |
|  | Grounding Fault Protection |    |     |         |
| Packing Material   | Fiberboard                 |    |     |         |
| Packing Size   | 1.5 M3                     |    |     |         |
| Packing Weight   | Net                        | Kg | 520 |         |
|  | Gross                      | Kg | 560 |         |
| Stated: This product presents or the technical parameter revision is the technical improvement result, no other explanation. |                            |    |     |         |

**Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally**

Micro-Hydro-Power-Vertical-Tubular-Turbine- MH-10KW



### Vertical Tubular Turbine Unit Main Technical Performance Parameters

| Main Specifications |           |  |
|---------------------|-----------|--|
| <b>Turbine</b>      |           | Remarks  |
| Type                | MH-10KW   | Vertical Tubular Turbine   |
| Rated Head          | 11m       |  |
| Rated Flow          | 165 l/s   |  |
| Power               | 10 KW     |  |
| Efficiency          | 60%       |  |
| <b>Generator</b>    |           | Remarks  |
| Type                | SF10-4    | Conforms to the IEC international electrician committee standard & CE standard |
| Rated Power         | 10KW      |  |
| Rated Voltage       | 230V      |  |
| Rated Current       | 43.48 A   |  |
| <b>Frequency</b>    | 50Hz      |  |
| Rated Rotational    | 1500r/min |  |
| Phase               | 1         |  |
| P.F.                | 0.9       |  |
| Elevation           | ≤3000m    |  |
| Insulation Grade    | B/B       |  |
| Protection Grade    | IP44      |  |

|  |                            |    |     |         |
|--|----------------------------|----|-----|---------|
| Ambient Temperature  | -25°C~+50°C                |    |     |         |
| Relative Humidity  | ≤90%                       |    |     |         |
| <b>Control Panel</b>   |                            |    |     | Remarks |
| Safety Protection  | Short circuit Protection   |    |     |         |
|  | Islanding Protection       |    |     |         |
|  | Over Load Protection       |    |     |         |
|  | Grounding Fault Protection |    |     |         |
| Packing Material   | Fiberboard                 |    |     |         |
| Packing Size   | 1.75 M3                    |    |     |         |
| Packing Weight   | Net                        | Kg | 580 |         |
|  | Gross                      | kg | 595 |         |
| Stated: This product presents or the technical parameter revision is the technical improvement result, no other explanation. |                            |    |     |         |

Single Nozzle CJ-300W



| <b>Main Parameters</b> |               |            |          |  |
|------------------------|---------------|------------|----------|--|
| <b>Water Turbine</b>   |               |            |          |  |
| No.                    | Items         | Parameters |          | Remarks                                  |
| 1                      | Model         | CJ-300W    |          | Single Nozzle<br>Turgo Turbine           |
| 2                      | Rated Head    | 12--14     | (meters) |  |
| 3                      | Rated Flow    | 3--5       | (l/s)    |  |
| 4                      | Output        | 300        | (W)      |  |
| 5                      | Efficiency    | 70         | (%)      |  |
| 6                      | Pipe Diameter | 50         | (mm)     |  |
| <b>Generator</b>       |               |            |          |  |
| No.                    | Items         | Parameters |          | Remarks                                  |
| 1                      | Model         | SF0.3-4    |          | Rear Earth Permanent<br>Magnet Generator |
| 2                      | Style         | PMG        |          |  |
| 3                      | Output        | 300        | (W)      |  |
| 4                      | Voltage       | 230        | (V)      |  |
| 5                      | Current       | 1.30       | (A)      |  |
| 6                      | Frequency     | 50         | (HZ)     |  |
| 7                      | Rotary Speed  | 1500       | (RPM)    |  |
| 8                      | Phase         | Single     | (Phase)  |  |

|  |                          |                            |          |                |
|--|--------------------------|----------------------------|----------|----------------|
| 9  | <b>Power Factor</b>      | 1.0                        |          |                |
| 10   | <b>Altitude</b>          | ≤3000                      | (meters) |                |
| 11   | <b>Insulation Grade</b>  | B / B                      |          |                |
| 12   | <b>Protection Grade</b>  | IP44                       |          |                |
| 13   | <b>Temperature</b>       | -25~+50                    | °C       |                |
| 14   | <b>Relative Humidity</b> | ≤90                        | %        |                |
| <b>Control Box / Control Panel</b>   |                          |                            |          |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |          | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY0.3-1                    |          |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |          |                |
| 3  |                          | Islanding Protection       |          |                |
| 4  |                          | Over Load Protection       |          |                |
| 5  |                          | Grounding Fault Protection |          |                |
| <b>Packing</b>   |                          |                            |          |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |          | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |          |                |
| 2  | <b>Packing Size</b>      | 35x30x37                   | (CM)     |                |
| 3  | <b>Net Weight</b>        | 18                         | (KGS)    |                |
| 4  | <b>Gross Weight</b>      | 25                         | (KGS)    |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |          |                |

Single Nozzle CJ-500W)



| Main Parameters |               |            |          |  |
|-----------------|---------------|------------|----------|--|
| Water Turbine   |               |            |          |  |
| No.             | Items         | Parameters |          | Remarks                                  |
| 1               | Model         | CJ-500W    |          | Single Nozzle<br>Turgo Turbine           |
| 2               | Rated Head    | 12--18     | (meters) |  |
| 3               | Rated Flow    | 5--7       | (l/s)    |  |
| 4               | Output        | 500        | (W)      |  |
| 5               | Efficiency    | 70         | (%)      |  |
| 6               | Pipe Diameter | 50-75      | (mm)     |  |
| Generator       |               |            |          |  |
| No.             | Items         | Parameters |          | Remarks                                  |
| 1               | Model         | SF0.5-4    |          | Rear Earth Permanent<br>Magnet Generator |
| 2               | Style         | PMG        |          |  |
| 3               | Output        | 500        | (W)      |  |
| 4               | Voltage       | 230        | (V)      |  |
| 5               | Current       | 2.17       | (A)      |  |
| 6               | Frequency     | 50         | (HZ)     |  |
| 7               | Rotary Speed  | 1500       | (RPM)    |  |
| 8               | Phase         | Single     | (Phase)  |  |

|  |                          |                            |          |                |
|--|--------------------------|----------------------------|----------|----------------|
| 9  | <b>Power Factor</b>      | 1.0                        |          |                |
| 10   | <b>Altitude</b>          | ≤3000                      | (meters) |                |
| 11   | <b>Insulation Grade</b>  | B / B                      |          |                |
| 12   | <b>Protection Grade</b>  | IP44                       |          |                |
| 13   | <b>Temperature</b>       | -25~+50                    | °C       |                |
| 14   | <b>Relative Humidity</b> | ≤90                        | %        |                |
| <b>Control Box / Control Panel</b>   |                          |                            |          |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |          | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY0.5-1                    |          |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |          |                |
| 3  |                          | Islanding Protection       |          |                |
| 4  |                          | Over Load Protection       |          |                |
| 5  |                          | Grounding Fault Protection |          |                |
| <b>Packing</b>   |                          |                            |          |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |          | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |          |                |
| 2  | <b>Packing Size</b>      | 38x34x40                   | (CM)     |                |
| 3  | <b>Net Weight</b>        |                            | (KGS)    |                |
| 4  | <b>Gross Weight</b>      | 27                         | (KGS)    |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |          |                |

Single Nozzle CJ-750W





| Main Parameters      |               |            |          |  |
|----------------------|---------------|------------|----------|--|
| <b>Water Turbine</b> |               |            |          |  |
| No.                  | Items         | Parameters |          | Remarks                                  |
| 1                    | Model         | CJ-750W    |          | Single Nozzle<br>Turgo Turbine           |
| 2                    | Rated Head    | 14--18     | (meters) |  |
| 3                    | Rated Flow    | 5--8       | (l/s)    |  |
| 4                    | Output        | 750        | (W)      |  |
| 5                    | Efficiency    | 70         | (%)      |  |
| 6                    | Pipe Diameter | 75         | (mm)     |  |
| <b>Generator</b>     |               |            |          |  |
| No.                  | Items         | Parameters |          | Remarks                                  |
| 1                    | Model         | SF0.75-4   |          | Rear Earth Permanent<br>Magnet Generator |
| 2                    | Style         | PMG        |          |  |
| 3                    | Output        | 750        | (W)      |  |
| 4                    | Voltage       | 230        | (V)      |  |
| 5                    | Current       | 3.26       | (A)      |  |

|  |                          |                            |          |                |
|--|--------------------------|----------------------------|----------|----------------|
| 6  | <b>Frequency</b>         | 50                         | (HZ)     |                |
| 7  | <b>Rotary Speed</b>      | 1500                       | (RPM)    |                |
| 8  | <b>Phase</b>             | Single                     | (Phase)  |                |
| 9  | <b>Power Factor</b>      | 1.0                        |          |                |
| 10   | <b>Altitude</b>          | ≤3000                      | (meters) |                |
| 11   | <b>Insulation Grade</b>  | B / B                      |          |                |
| 12   | <b>Protection Grade</b>  | IP44                       |          |                |
| 13   | <b>Temperature</b>       | -25~+50                    | °C       |                |
| 14   | <b>Relative Humidity</b> | ≤90                        | %        |                |
| <b>Control Box / Control Panel</b>   |                          |                            |          |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |          | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY0.75-1                   |          |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |          |                |
| 3  |                          | Islanding Protection       |          |                |
| 4  |                          | Over Load Protection       |          |                |
| 5  |                          | Grounding Fault Protection |          |                |
| <b>Packing</b>   |                          |                            |          |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |          | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |          |                |
| 2  | <b>Packing Size</b>      | 35834x42                   | (CM)     |                |
| 3  | <b>Net Weight</b>        |                            | (KGS)    |                |
| 4  | <b>Gross Weight</b>      | 34                         | (KGS)    |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |          |                |

Micro Hydro Power Single Nozzle CJ-1.1KW



| Main Parameters |                  |            |          |  |
|-----------------|------------------|------------|----------|--|
| Water Turbine   |                  |            |          |  |
| No.             | Items            | Parameters |          | Remarks                                  |
| 1               | Model            | CJ-1.1KW   |          | Single Nozzle<br>Turgo Turbine           |
| 2               | Rated Head       | 16--22     | (meters) |  |
| 3               | Rated Flow       | 8--10      | (l/s)    |  |
| 4               | Output           | 1100       | (W)      |  |
| 5               | Efficiency       | 70         | (%)      |  |
| 6               | Pipe Diameter    | 100        | (mm)     |  |
| Generator       |                  |            |          |  |
| No.             | Items            | Parameters |          | Remarks                                  |
| 1               | Model            | SF0.2-4    |          | Rear Earth Permanent<br>Magnet Generator |
| 2               | Style            | PMG        |          |  |
| 3               | Output           | 1100       | (W)      |  |
| 4               | Voltage          | 230        | (V)      |  |
| 5               | Current          | 4.78       | (A)      |  |
| 6               | Frequency        | 50         | (HZ)     |  |
| 7               | Rotary Speed     | 1500       | (RPM)    |  |
| 8               | Phase            | Single     | (Phase)  |  |
| 9               | Power Factor     | 1.0        |          |  |
| 10              | Altitude         | ≤3000      | (meters) |  |
| 11              | Insulation Grade | B / B      |          |  |
| 12              | Protection Grade | IP44       |          |  |
| 13              | Temperature      | -25~+50    | °C       |  |

|  |                          |                            |       |                |
|--|--------------------------|----------------------------|-------|----------------|
| 14   | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY1.1-1                    |       |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3  |                          | Islanding Protection       |       |                |
| 4  |                          | Over Load Protection       |       |                |
| 5  |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2  | <b>Packing Size</b>      | 75×44×52                   | (CM)  |                |
| 3  | <b>Net Weight</b>        | 18                         | (KGS) |                |
| 4  | <b>Gross Weight</b>      | 65                         | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |       |                |

Micro-Hydro-Turbine-Power-Dual-Nozzle- CJD-1.1KW



| <b>Main Parameters</b> |                  |            |          |  |
|------------------------|------------------|------------|----------|--|
| <b>Water Turbine</b>   |                  |            |          |  |
| No.                    | Items            | Parameters |          | Remarks                                  |
| 1                      | Model            | CJD-1.1KW  |          | Dual Nozzle<br>Turgo Turbine             |
| 2                      | Rated Head       | 15         | (meters) |  |
| 3                      | Rated Flow       | 10--15     | (l/s)    |  |
| 4                      | Output           | 1100       | (W)      |  |
| 5                      | Efficiency       | 70         | (%)      |  |
| 6                      | Pipe Diameter    | 125-150    | (mm)     |  |
| <b>Generator</b>       |                  |            |          |  |
| No.                    | Items            | Parameters |          | Remarks                                  |
| 1                      | Model            | SF1.1-4    |          | Rear Earth Permanent<br>Magnet Generator |
| 2                      | Style            | PMG        |          |  |
| 3                      | Output           | 1100       | (W)      |  |
| 4                      | Voltage          | 230        | (V)      |  |
| 5                      | Current          | 4.78       | (A)      |  |
| 6                      | Frequency        | 50         | (HZ)     |  |
| 7                      | Rotary Speed     | 1500       | (RPM)    |  |
| 8                      | Phase            | Single     | (Phase)  |  |
| 9                      | Power Factor     | 1.0        |          |  |
| 10                     | Altitude         | ≤3000      | (meters) |  |
| 11                     | Insulation Grade | B / B      |          |  |
| 12                     | Protection Grade | IP44       |          |  |
| 13                     | Temperature      | -25~+50    | °C       |  |

|  |                          |                            |       |                |
|--|--------------------------|----------------------------|-------|----------------|
| 14   | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY1.1-1                    |       |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3  |                          | Islanding Protection       |       |                |
| 4  |                          | Over Load Protection       |       |                |
| 5  |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2  | <b>Packing Size</b>      | 88×60×55                   | (CM)  |                |
| 3  | <b>Net Weight</b>        |                            | (KGS) |                |
| 4  | <b>Gross Weight</b>      | 107                        | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |       |                |

Micro Hydro Turbine Power Single Nozzle CJ-1.5KW



| Main Parameters      |                  |            |          |  |
|----------------------|------------------|------------|----------|--|
| <b>Water Turbine</b> |                  |            |          |  |
| No.                  | Items            | Parameters |          | Remarks                                  |
| 1                    | Model            | CJ-1.5KW   |          | Single Nozzle<br>Turgo Turbine           |
| 2                    | Rated Head       | 18--25     | (meters) |  |
| 3                    | Rated Flow       | 8--10      | (l/s)    |  |
| 4                    | Output           | 1500       | (W)      |  |
| 5                    | Efficiency       | 70         | (%)      |  |
| 6                    | Pipe Diameter    | 125        | (mm)     |  |
| <b>Generator</b>     |                  |            |          |  |
| No.                  | Items            | Parameters |          | Remarks                                  |
| 1                    | Model            | SF1.5-4    |          | Rear Earth Permanent<br>Magnet Generator |
| 2                    | Style            | PMG        |          |  |
| 3                    | Output           | 1500       | (W)      |  |
| 4                    | Voltage          | 230        | (V)      |  |
| 5                    | Current          | 6.52       | (A)      |  |
| 6                    | Frequency        | 50         | (HZ)     |  |
| 7                    | Rotary Speed     | 1500       | (RPM)    |  |
| 8                    | Phase            | Single     | (Phase)  |  |
| 9                    | Power Factor     | 1.0        |          |  |
| 10                   | Altitude         | ≤3000      | (meters) |  |
| 11                   | Insulation Grade | B / B      |          |  |
| 12                   | Protection Grade | IP44       |          |  |
| 13                   | Temperature      | -25~+50    | °C       |  |

|  |                          |                            |       |                |
|--|--------------------------|----------------------------|-------|----------------|
| 14   | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY1.5-1                    |       |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3  |                          | Islanding Protection       |       |                |
| 4  |                          | Over Load Protection       |       |                |
| 5  |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2  | <b>Packing Size</b>      | 75×44×52                   | (CM)  |                |
| 3  | <b>Net Weight</b>        |                            | (KGS) |                |
| 4  | <b>Gross Weight</b>      | 70                         | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |       |                |

Micro-Hydro-Turbine-Power-Dual-Nozzle CJD-1.5KW





| Main Parameters |                  |            |          |                                       |
|-----------------|------------------|------------|----------|---------------------------------------|
| Water Turbine   |                  |            |          |                                       |
| No.             | Items            | Parameters |          | Remarks                               |
| 1               | Model            | CJD-1.5KW  |          | Dual Nozzle Turgo Turbine             |
| 2               | Rated Head       | 15         | (meters) |                                       |
| 3               | Rated Flow       | 12--18     | (l/s)    |                                       |
| 4               | Output           | 1500       | (W)      |                                       |
| 5               | Efficiency       | 70         | (%)      |                                       |
| 6               | Pipe Diameter    | 125-150    | (mm)     |                                       |
| Generator       |                  |            |          |                                       |
| No.             | Items            | Parameters |          | Remarks                               |
| 1               | Model            | SF1.5-4    |          | Rear Earth Permanent Magnet Generator |
| 2               | Style            | PMG        |          |                                       |
| 3               | Output           | 1500       | (W)      |                                       |
| 4               | Voltage          | 230        | (V)      |                                       |
| 5               | Current          | 6.52       | (A)      |                                       |
| 6               | Frequency        | 50         | (HZ)     |                                       |
| 7               | Rotary Speed     | 1500       | (RPM)    |                                       |
| 8               | Phase            | Single     | (Phase)  |                                       |
| 9               | Power Factor     | 1.0        |          |                                       |
| 10              | Altitude         | ≤3000      | (meters) |                                       |
| 11              | Insulation Grade | B / B      |          |                                       |
| 12              | Protection Grade | IP44       |          |                                       |
| 13              | Temperature      | -25~+50    | °C       |                                       |

|  |                          |                            |       |                |
|--|--------------------------|----------------------------|-------|----------------|
| 14   | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY1.5-1                    |       |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3  |                          | Islanding Protection       |       |                |
| 4  |                          | Over Load Protection       |       |                |
| 5  |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2  | <b>Packing Size</b>      | 88×60×55                   | (CM)  |                |
| 3  | <b>Net Weight</b>        |                            | (KGS) |                |
| 4  | <b>Gross Weight</b>      | 108                        | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |       |                |

Micro-Hydro-Power-Single-Nozzle- CJ-3KW



| Main Parameters      |               |            |          |  |
|----------------------|---------------|------------|----------|--|
| <b>Water Turbine</b> |               |            |          |  |
| No.                  | Items         | Parameters |          | Remarks                                  |
| 1                    | Model         | CJ-3KW     |          | Single Nozzle<br>Turgo Turbine           |
| 2                    | Rated Head    | 25--35     | (meters) |  |
| 3                    | Rated Flow    | 15--19     | (l/s)    |  |
| 4                    | Output        | 3000       | (W)      |  |
| 5                    | Efficiency    | 70         | (%)      |  |
| 6                    | Pipe Diameter | 125-150    | (mm)     |  |
| <b>Generator</b>     |               |            |          |  |
| No.                  | Items         | Parameters |          | Remarks                                  |
| 1                    | Model         | SF3.0-4    |          | Rear Earth Permanent<br>Magnet Generator |
| 2                    | Style         | PMG        |          |  |
| 3                    | Output        | 3000       | (W)      |  |
| 4                    | Voltage       | 230        | (V)      |  |
| 5                    | Current       | 13.04      | (A)      |  |
| 6                    | Frequency     | 50         | (HZ)     |  |
| 7                    | Rotary Speed  | 1500       | (RPM)    |  |
| 8                    | Phase         | Single     | (Phase)  |  |
| 9                    | Power Factor  | 1.0        |          |  |

|    |                          |         |          |
|----|--------------------------|---------|----------|
| 10 | <b>Altitude</b>          | ≤3000   | (meters) |
| 11 | <b>Insulation Grade</b>  | B / B   |          |
| 12 | <b>Protection Grade</b>  | IP44    |          |
| 13 | <b>Temperature</b>       | -25~+50 | °C       |
| 14 | <b>Relative Humidity</b> | ≤90     | %        |

**Control Box / Control Panel**

| No. | Items                    | Parameters                 | Remarks |
|-----|--------------------------|----------------------------|---------|
| 1   | <b>Model</b>             | WY3.0-1                    |         |
| 2   | <b>Safety Protection</b> | Short circuit Protection   |         |
| 3   |                          | Islanding Protection       |         |
| 4   |                          | Over Load Protection       |         |
| 5   |                          | Grounding Fault Protection |         |

**Packing**

| No. | Items                   | Parameters | Remarks |
|-----|-------------------------|------------|---------|
| 1   | <b>Packing Material</b> | Fiberboard |         |
| 2   | <b>Packing Size</b>     | 79×47×60   | (CM)    |
| 3   | <b>Net Weight</b>       |            | (KGS)   |
| 4   | <b>Gross Weight</b>     | 90         | (KGS)   |

**Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.**

Dual Nozzle CJD-3KW



| Main Parameters      |                  |            |          |  |
|----------------------|------------------|------------|----------|--|
| <b>Water Turbine</b> |                  |            |          |  |
| No.                  | Items            | Parameters |          | Remarks                                  |
| 1                    | Model            | CJD-3KW    |          | Dual Nozzle<br>Turgo Turbine             |
| 2                    | Rated Head       | 18--20     | (meters) |  |
| 3                    | Rated Flow       | 18--30     | (l/s)    |  |
| 4                    | Output           | 3000       | (W)      |  |
| 5                    | Efficiency       | 70         | (%)      |  |
| 6                    | Pipe Diameter    | 150        | (mm)     |  |
| <b>Generator</b>     |                  |            |          |  |
| No.                  | Items            | Parameters |          | Remarks                                  |
| 1                    | Model            | SF3.0-4    |          | Rear Earth Permanent<br>Magnet Generator |
| 2                    | Style            | PMG        |          |  |
| 3                    | Output           | 3000       | (W)      |  |
| 4                    | Voltage          | 230        | (V)      |  |
| 5                    | Current          | 13.04      | (A)      |  |
| 6                    | Frequency        | 50         | (HZ)     |  |
| 7                    | Rotary Speed     | 1500       | (RPM)    |  |
| 8                    | Phase            | Single     | (Phase)  |  |
| 9                    | Power Factor     | 1.0        |          |  |
| 10                   | Altitude         | ≤3000      | (meters) |  |
| 11                   | Insulation Grade | B / B      |          |  |

|   |                          |                            |       |                |
|---|--------------------------|----------------------------|-------|----------------|
| 12  | <b>Protection Grade</b>  | IP44                       |       |                |
| 13  | <b>Temperature</b>       | -25~+50                    | °C    |                |
| 14  | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>  |                          |                            |       |                |
| <b>No.</b>  | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1   | <b>Model</b>             | WY3.0-1                    |       |                |
| 2   | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3   |                          | Islanding Protection       |       |                |
| 4   |                          | Over Load Protection       |       |                |
| 5   |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>  |                          |                            |       |                |
| <b>No.</b>  | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1   | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2   | <b>Packing Size</b>      | 88×57×60                   | (CM)  |                |
| 3   | <b>Net Weight</b>        |                            | (KGS) |                |
| 4   | <b>Gross Weight</b>      | 122                        | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally</b> |                          |                            |       |                |

|                        |                      |                   |          |  |
|------------------------|----------------------|-------------------|----------|--|
| <b>Main Parameters</b> |                      |                   |          |  |
| <b>Water Turbine</b>   |                      |                   |          |  |
| <b>No.</b>             | <b>Items</b>         | <b>Parameters</b> |          | <b>Remarks</b>                           |
| 1                      | <b>Model</b>         | CJ-6KW            |          | Single Nozzle<br>Turgo Turbine           |
| 2                      | <b>Rated Head</b>    | 28--35            | (meters) |  |
| 3                      | <b>Rated Flow</b>    | 30--38            | (l/s)    |  |
| 4                      | <b>Output</b>        | 6000              | (W)      |  |
| 5                      | <b>Efficiency</b>    | 70                | (%)      |  |
| 6                      | <b>Pipe Diameter</b> | 150-200           | (mm)     |  |
| <b>Generator</b>       |                      |                   |          |  |
| <b>No.</b>             | <b>Items</b>         | <b>Parameters</b> |          | <b>Remarks</b>                           |
| 1                      | <b>Model</b>         | SF6-4             |          | Rear Earth Permanent<br>Magnet Generator |
| 2                      | <b>Style</b>         | PMG               |          |  |
| 3                      | <b>Output</b>        | 6000              | (W)      |  |
| 4                      | <b>Voltage</b>       | 230               | (V)      |  |
| 5                      | <b>Current</b>       | 26.08             | (A)      |  |
| 6                      | <b>Frequency</b>     | 50                | (HZ)     |  |
| 7                      | <b>Rotary Speed</b>  | 1500              | (RPM)    |  |
| 8                      | <b>Phase</b>         | Single            | (Phase)  |  |
| 9                      | <b>Power Factor</b>  | 1.0               |          |  |
| 10                     | <b>Altitude</b>      | ≤3000             | (meters) |  |

|    |                          |         |    |
|----|--------------------------|---------|----|
| 11 | <b>Insulation Grade</b>  | B / B   |    |
| 12 | <b>Protection Grade</b>  | IP44    |    |
| 13 | <b>Temperature</b>       | -25~+50 | °C |
| 14 | <b>Relative Humidity</b> | ≤90     | %  |

**Control Box / Control Panel**

| No. | Items                    | Parameters                 | Remarks |
|-----|--------------------------|----------------------------|---------|
| 1   | <b>Model</b>             | WY6.0-1                    |         |
| 2   | <b>Safety Protection</b> | Short circuit Protection   |         |
| 3   |                          | Islanding Protection       |         |
| 4   |                          | Over Load Protection       |         |
| 5   |                          | Grounding Fault Protection |         |

**Packing**

| No. | Items                   | Parameters    | Remarks |
|-----|-------------------------|---------------|---------|
| 1   | <b>Packing Material</b> | Fiberboard    |         |
| 2   | <b>Packing Size</b>     | 88x57x75 (CM) |         |
| 3   | <b>Net Weight</b>       | (KGS)         |         |
| 4   | <b>Gross Weight</b>     | 196 (KGS)     |         |

**Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.**



| Main Parameters |                  |            |          |  |
|-----------------|------------------|------------|----------|--|
| Water Turbine   |                  |            |          |  |
| No.             | Items            | Parameters |          | Remarks                                  |
| 1               | Model            | CJD-6KW    |          | Dual Nozzle<br>Turgo Turbine             |
| 2               | Rated Head       | 18--20     | (meters) |  |
| 3               | Rated Flow       | 38--50     | (l/s)    |  |
| 4               | Output           | 6000       | (W)      |  |
| 5               | Efficiency       | 70         | (%)      |  |
| 6               | Pipe Diameter    | 200        | (mm)     |  |
| Generator       |                  |            |          |  |
| No.             | Items            | Parameters |          | Remarks                                  |
| 1               | Model            | SF6.0-4    |          | Rear Earth Permanent<br>Magnet Generator |
| 2               | Style            | PMG        |          |  |
| 3               | Output           | 6000       | (W)      |  |
| 4               | Voltage          | 230        | (V)      |  |
| 5               | Current          | 26.08      | (A)      |  |
| 6               | Frequency        | 50         | (HZ)     |  |
| 7               | Rotary Speed     | 1500       | (RPM)    |  |
| 8               | Phase            | Single     | (Phase)  |  |
| 9               | Power Factor     | 1.0        |          |  |
| 10              | Altitude         | ≤3000      | (meters) |  |
| 11              | Insulation Grade | B / B      |          |  |
| 12              | Protection Grade | IP44       |          |  |
| 13              | Temperature      | -25~+50    | °C       |  |



|  |                          |                            |       |                |
|--|--------------------------|----------------------------|-------|----------------|
| 14   | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY6.0-1                    |       |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3  |                          | Islanding Protection       |       |                |
| 4  |                          | Over Load Protection       |       |                |
| 5  |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2  | <b>Packing Size</b>      | 105×75×77                  | (CM)  |                |
| 3  | <b>Net Weight</b>        |                            | (KGS) |                |
| 4  | <b>Gross Weight</b>      | 255                        | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |       |                |

Micro Hydro Turbine Power Single Nozzle CJ-10KW



| Main Parameters |                  |            |          |  |
|-----------------|------------------|------------|----------|--|
| Water Turbine   |                  |            |          |  |
| No.             | Items            | Parameters |          | Remarks                                  |
| 1               | Model            | CJ-10KW    |          | Single Nozzle<br>Turgo Turbine           |
| 2               | Rated Head       | 30--38     | (meters) |  |
| 3               | Rated Flow       | 40--50     | (l/s)    |  |
| 4               | Output           | 10000      | (W)      |  |
| 5               | Efficiency       | 70         | (%)      |  |
| 6               | Pipe Diameter    | 200-250    | (mm)     |  |
| Generator       |                  |            |          |  |
| No.             | Items            | Parameters |          | Remarks                                  |
| 1               | Model            | SF10-4     |          | Rear Earth Permanent<br>Magnet Generator |
| 2               | Style            | PMG        |          |  |
| 3               | Output           | 10000      | (W)      |  |
| 4               | Voltage          | 230        | (V)      |  |
| 5               | Current          | 43.47      | (A)      |  |
| 6               | Frequency        | 50         | (HZ)     |  |
| 7               | Rotary Speed     | 1500       | (RPM)    |  |
| 8               | Phase            | Single     | (Phase)  |  |
| 9               | Power Factor     | 1.0        |          |  |
| 10              | Altitude         | ≤3000      | (meters) |  |
| 11              | Insulation Grade | B / B      |          |  |
| 12              | Protection Grade | IP44       |          |  |
| 13              | Temperature      | -25~+50    | °C       |  |

|  |                          |                            |       |                |
|--|--------------------------|----------------------------|-------|----------------|
| 14   | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY10-1                     |       |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3  |                          | Islanding Protection       |       |                |
| 4  |                          | Over Load Protection       |       |                |
| 5  |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2  | <b>Packing Size</b>      | 85×65×85                   | (CM)  |                |
| 3  | <b>Net Weight</b>        |                            | (KGS) |                |
| 4  | <b>Gross Weight</b>      | 269                        | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |       |                |

Micro-Hydro-Turbine-Power-Single-Nozzle- CJD-10KW



| Main Parameters |                  |            |          |                                       |
|-----------------|------------------|------------|----------|---------------------------------------|
| Water Turbine   |                  |            |          |                                       |
| No.             | Items            | Parameters |          | Remarks                               |
| 1               | Model            | CJD-10KW   |          | Dual Nozzle Turgo Turbine             |
| 2               | Rated Head       | 25--30     | (meters) |                                       |
| 3               | Rated Flow       | 50--60     | (l/s)    |                                       |
| 4               | Output           | 10000      | (W)      |                                       |
| 5               | Efficiency       | 70         | (%)      |                                       |
| 6               | Pipe Diameter    | 200-250    | (mm)     |                                       |
| Generator       |                  |            |          |                                       |
| No.             | Items            | Parameters |          | Remarks                               |
| 1               | Model            | SF10-4     |          | Rear Earth Permanent Magnet Generator |
| 2               | Style            | PMG        |          |                                       |
| 3               | Output           | 10000      | (W)      |                                       |
| 4               | Voltage          | 230        | (V)      |                                       |
| 5               | Current          | 43.47      | (A)      |                                       |
| 6               | Frequency        | 50         | (HZ)     |                                       |
| 7               | Rotary Speed     | 1500       | (RPM)    |                                       |
| 8               | Phase            | Single     | (Phase)  |                                       |
| 9               | Power Factor     | 1.0        |          |                                       |
| 10              | Altitude         | ≤3000      | (meters) |                                       |
| 11              | Insulation Grade | B / B      |          |                                       |
| 12              | Protection Grade | IP44       |          |                                       |
| 13              | Temperature      | -25~+50    | °C       |                                       |

|  |                          |                            |       |                |
|--|--------------------------|----------------------------|-------|----------------|
| 14   | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY10-1                     |       |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3  |                          | Islanding Protection       |       |                |
| 4  |                          | Over Load Protection       |       |                |
| 5  |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2  | <b>Packing Size</b>      | 105×82×82                  | (CM)  |                |
| 3  | <b>Net Weight</b>        |                            | (KGS) |                |
| 4  | <b>Gross Weight</b>      | 318                        | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |       |                |

Micro-Hydro-Turbine-Power-Dual-Nozzle CJD-15KW



| <b>Main Parameters</b> |                         |                   |          |  |
|------------------------|-------------------------|-------------------|----------|--|
| <b>Water Turbine</b>   |                         |                   |          |  |
| <b>No.</b>             | <b>Items</b>            | <b>Parameters</b> |          | <b>Remarks</b>                           |
| 1                      | <b>Model</b>            | CJD-15KW          |          | Dual Nozzle<br>Turgo Turbine             |
| 2                      | <b>Rated Head</b>       | 30--40            | (meters) |  |
| 3                      | <b>Rated Flow</b>       | 60--70            | (l/s)    |  |
| 4                      | <b>Output</b>           | 15000             | (W)      |  |
| 5                      | <b>Efficiency</b>       | 70                | (%)      |  |
| 6                      | <b>Pipe Diameter</b>    | 200               | (mm)     |  |
| <b>Generator</b>       |                         |                   |          |  |
| <b>No.</b>             | <b>Items</b>            | <b>Parameters</b> |          | <b>Remarks</b>                           |
| 1                      | <b>Model</b>            | SF15-4            |          | Rear Earth Permanent<br>Magnet Generator |
| 2                      | <b>Style</b>            | PMG               |          |  |
| 3                      | <b>Output</b>           | 15000             | (W)      |  |
| 4                      | <b>Voltage</b>          | 400               | (V)      |  |
| 5                      | <b>Current</b>          | 37.5              | (A)      |  |
| 6                      | <b>Frequency</b>        | 50                | (HZ)     |  |
| 7                      | <b>Rotary Speed</b>     | 1500              | (RPM)    |  |
| 8                      | <b>Phase</b>            | Three             | (Phase)  |  |
| 9                      | <b>Power Factor</b>     | 1.0               |          |  |
| 10                     | <b>Altitude</b>         | ≤3000             | (meters) |  |
| 11                     | <b>Insulation Grade</b> | B / B             |          |  |
| 12                     | <b>Protection Grade</b> | IP44              |          |  |
| 13                     | <b>Temperature</b>      | -25~+50           | °C       |  |

|  |                          |                            |       |                |
|--|--------------------------|----------------------------|-------|----------------|
| 14   | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY15-1                     |       |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3  |                          | Islanding Protection       |       |                |
| 4  |                          | Over Load Protection       |       |                |
| 5  |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2  | <b>Packing Size</b>      | 126×93×98                  | (CM)  |                |
| 3  | <b>Net Weight</b>        |                            | (KGS) |                |
| 4  | <b>Gross Weight</b>      | 395                        | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |       |                |

Micro-Hydro-Turbine-Power-Dual-Nozzle CJD-20KW



### Main Parameters

#### Water Turbine

| No. | Items         | Parameters |          | Remarks                      |
|-----|---------------|------------|----------|------------------------------|
| 1   | Model         | CJD-20KW   |          | Dual Nozzle<br>Turgo Turbine |
| 2   | Rated Head    | 30--45     | (meters) |                              |
| 3   | Rated Flow    | 60--100    | (l/s)    |                              |
| 4   | Output        | 20000      | (W)      |                              |
| 5   | Efficiency    | 70         | (%)      |                              |
| 6   | Pipe Diameter | 250-300    | (mm)     |                              |

#### Generator

| No. | Items        | Parameters |          | Remarks                                  |
|-----|--------------|------------|----------|--|
| 1   | Model        | SF20-4     |          | Rear Earth Permanent<br>Magnet Generator |
| 2   | Style        | PMG        |          |  |
| 3   | Output       | 20000      | (W)      |  |
| 4   | Voltage      | 400        | (V)      |  |
| 5   | Current      | 50         | (A)      |  |
| 6   | Frequency    | 50         | (HZ)     |  |
| 7   | Rotary Speed | 1500       | (RPM)    |  |
| 8   | Phase        | Three      | (Phase)  |  |
| 9   | Power Factor | 1.0        |          |  |
| 10  | Altitude     | ≤3000      | (meters) |  |



|  |                          |                            |       |                |
|--|--------------------------|----------------------------|-------|----------------|
| 11   | <b>Insulation Grade</b>  | B / B                      |       |                |
| 12   | <b>Protection Grade</b>  | IP44                       |       |                |
| 13   | <b>Temperature</b>       | -25~+50                    | °C    |                |
| 14   | <b>Relative Humidity</b> | ≤90                        | %     |                |
| <b>Control Box / Control Panel</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Model</b>             | WY20-1                     |       |                |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |       |                |
| 3  |                          | Islanding Protection       |       |                |
| 4  |                          | Over Load Protection       |       |                |
| 5  |                          | Grounding Fault Protection |       |                |
| <b>Packing</b>   |                          |                            |       |                |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |       | <b>Remarks</b> |
| 1  | <b>Packing Material</b>  | Fiberboard                 |       |                |
| 2  | <b>Packing Size</b>      |                            | (CM)  |                |
| 3  | <b>Net Weight</b>        |                            | (KGS) |                |
| 4  | <b>Gross Weight</b>      |                            | (KGS) |                |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |       |                |

Micro-Hydro-Turbine-Power-Dual-Nozzle-CJD-30KW

|                        |                   |                   |          |                              |
|------------------------|-------------------|-------------------|----------|------------------------------|
| <b>Main Parameters</b> |                   |                   |          |                              |
| <b>Water Turbine</b>   |                   |                   |          |                              |
| <b>No.</b>             | <b>Items</b>      | <b>Parameters</b> |          | <b>Remarks</b>               |
| 1                      | <b>Model</b>      | CJD-30KW          |          | Dual Nozzle<br>Turgo Turbine |
| 2                      | <b>Rated Head</b> | 38--45            | (meters) |                              |
| 3                      | <b>Rated Flow</b> | 90--120           | (l/s)    |                              |
| 4                      | <b>Output</b>     | 30000             | (W)      |                              |
| 5                      | <b>Efficiency</b> | 70                | (%)      |                              |

|  |                          |                            |          |                                       |
|--|--------------------------|----------------------------|----------|---------------------------------------|
| 6  | <b>Pipe Diameter</b>     | 250-300                    | (mm)     |                                       |
| <b>Generator</b>   |                          |                            |          |                                       |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |          | <b>Remarks</b>                        |
| 1  | <b>Model</b>             | SF30-4                     |          | Rear Earth Permanent Magnet Generator |
| 2  | <b>Style</b>             | PMG                        |          |                                       |
| 3  | <b>Output</b>            | 30000                      | (W)      |                                       |
| 4  | <b>Voltage</b>           | 400                        | (V)      |                                       |
| 5  | <b>Current</b>           | 75                         | (A)      |                                       |
| 6  | <b>Frequency</b>         | 50                         | (HZ)     |                                       |
| 7  | <b>Rotary Speed</b>      | 1500                       | (RPM)    |                                       |
| 8  | <b>Phase</b>             | There                      | (Phase)  |                                       |
| 9  | <b>Power Factor</b>      | 1.0                        |          |                                       |
| 10   | <b>Altitude</b>          | ≤3000                      | (meters) |                                       |
| 11   | <b>Insulation Grade</b>  | B / B                      |          |                                       |
| 12   | <b>Protection Grade</b>  | IP44                       |          |                                       |
| 13   | <b>Temperature</b>       | -25~+50                    | °C       |                                       |
| 14   | <b>Relative Humidity</b> | ≤90                        | %        |                                       |
| <b>Control Box / Control Panel</b>   |                          |                            |          |                                       |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |          | <b>Remarks</b>                        |
| 1  | <b>Model</b>             | WY30-1                     |          |                                       |
| 2  | <b>Safety Protection</b> | Short circuit Protection   |          |                                       |
| 3  |                          | Islanding Protection       |          |                                       |
| 4  |                          | Over Load Protection       |          |                                       |
| 5  |                          | Grounding Fault Protection |          |                                       |
| <b>Packing</b>   |                          |                            |          |                                       |
| <b>No.</b>   | <b>Items</b>             | <b>Parameters</b>          |          | <b>Remarks</b>                        |
| 1  | <b>Packing Material</b>  | Fiberboard                 |          |                                       |
| 2  | <b>Packing Size</b>      |                            | (CM)     |                                       |
| 3  | <b>Net Weight</b>        |                            | (KGS)    |                                       |
| 4  | <b>Gross Weight</b>      |                            | (KGS)    |                                       |
| <b>Note: The modification of the product appearance or technical parameters, which is a result of technique improvement, will not be announced additionally.</b> |                          |                            |          |                                       |