

((MIXED-FLOW SUBMERSIBLE ELECTRIC PUMPS))

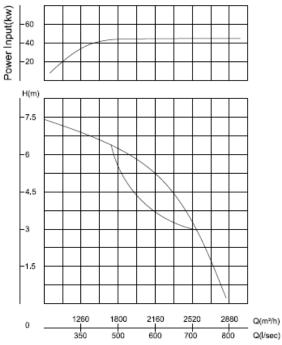








Mixed-Flow Electric Pumps 450/45/400 (900rpm)



| Product | Monitoring equipment |
|---|------------------------------|
| Centerage Submersible Propeller Pumps a specially designed for handling high flow rat | |
| at low delivery heads They are suitable f | |
| pumping clear water or lightly contaminate | ed |
| water. | |
| Denomination | Pump housing Cast iron GG25 |
| | Impeller Stainless Steel 316 |
| Product code | Shaft Stainless steel 316 |
| | |
| ME 450/45/400 | Deting |
| MF 450/45/400 | Rating |
| | |
| | 3~ 380 V |
| | Speed of rotation 900 rpm |
| Process data | |
| | |
| Liquid temperature $+40^{\circ}$ C up to $+75^{\circ}$ C | |
| The PH of the liquid PH5-8 | |
| Motor data | |
| Squirrel cage 3-phase induction motor | |
| Frequency 50HZ | |
| Insulation class $H(+180^{\circ}C)$ | |
| Ingress of protection IP 68 | |
| Voltage variation -continuously running Max ±5% | |
| -intermittent running $Max \pm 5\%$ Max ±10% | |
| - | |
| Voltage imbalance between phases max 2% | |
| No. of start/hour max 3 | |

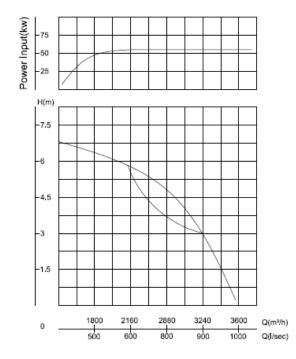
.





.

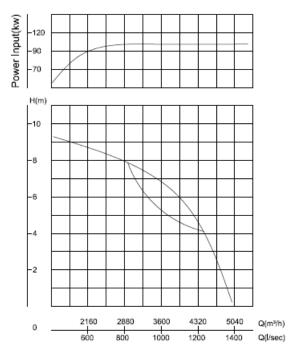
Mixed-Flow Electric Pumps 500/55/600 (900rpm)



| Product | Monitoring equipment |
|---|---|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates | Thermal & humidity contacts |
| at low delivery heads They are suitable for | Material |
| pumping clear water or lightly contaminated water. | |
| Denomination | Pump housing Cast iron GG25 |
| Product code | ImpellerStainless Steel 316ShaftStainless steel 316 |
| MF 500/55/600 | Rating |
| | 3~ 380 V |
| | Speed of rotation 900rpm |
| Process data | |
| Liquid temperature+40°C up to +75°CThe PH of the liquidPH5-8 | |
| Motor data | |
| Squirrel cage 3-phase induction motor | |
| Frequency50HZInsulation classH (+180°C) | |
| Ingress of protection IP 68 | |
| Voltage variation | |
| -continuously runningMax ±5%-intermittent runningMax ±10% | |
| - | |
| Voltage imbalance between phases max 2% No. of start/hour max 3 | |
| | |



Mixed-Flow Electric Pumps 500/110/700 (900rpm)

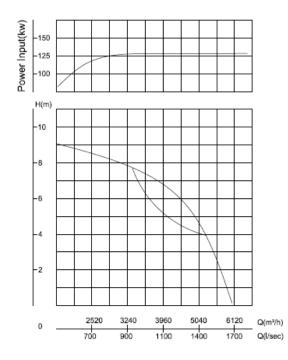


| Product | Monitoring equipment |
|---|---|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates | Thermal & humidity contacts |
| at low delivery heads They are suitable for | Material |
| pumping clear water or lightly contaminated water. | |
| Denomination | Pump housing Cast iron GG25 |
| Product code | ImpellerStainless Steel 316ShaftStainless steel 316 |
| MF 500/110/700 | Rating |
| | 3~380/660 VSpeed of rotation900rpm |
| Process data | |
| Liquid temperature+40°C up to +75°CThe PH of the liquidPH5-8 | |
| Motor data | |
| Squirrel cage 3-phase induction motor | |
| Frequency 50HZ | |
| Insulation class H (+180°C) | |
| Ingress of protection IP 68 Voltage variation | |
| -continuously running Max ±5% | |
| -intermittent running $Max \pm 10\%$ | |
| Voltage imbalance between phases max 2% | |
| No. of start/hour max 3 | |





Mixed-Flow Electric Pumps 550/132/700 (900rpm)

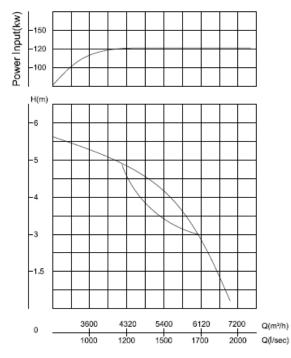


| Product | Monitoring equipment |
|---|---|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates | Thermal & humidity contacts |
| at low delivery heads They are suitable for | Material |
| pumping clear water or lightly contaminated water. | |
| Denomination | Pump housing Cast iron GG25 |
| Product code | ImpellerStainless Steel 316ShaftStainless steel 316 |
| MF 550/132/700 | Rating |
| | 3~380/660 VSpeed of rotation900rpm |
| Process data | |
| Liquid temperature+40°C up to +75°CThe PH of the liquidPH5-8 | |
| Motor data | |
| Squirrel cage 3-phase induction motor | |
| Frequency 50HZ | |
| | |
| | |
| | |
| -intermittent running $Max \pm 10\%$ | |
| Voltage imbalance between phases max 2% | |
| No. of start/hour max 3 | |
| Frequency 50 HZInsulation classH (+180°C)Ingress of protectionIP 68Voltage variation-continuously running-continuously runningMax $\pm 5\%$ -intermittent runningMax $\pm 10\%$ Voltage imbalance between phases max 2% | |



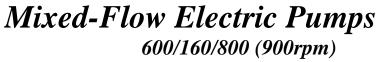


Mixed-Flow Electric Pumps 500/132/800 (900rpm)

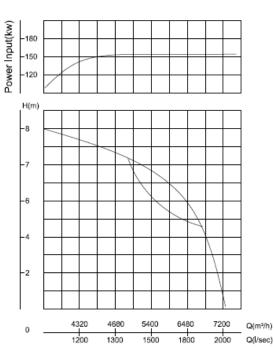


| Product | Monitoring equipment |
|---|---|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates | Thermal & humidity contacts |
| at low delivery heads They are suitable for | Material |
| pumping clear water or lightly contaminated water. | |
| Denomination | Pump housing Cast iron GG25 |
| Product code | ImpellerStainless Steel 316ShaftStainless steel 316 |
| MF 500/132/800 | Rating |
| | 3~380/660 VSpeed of rotation900rpm |
| Process data | _ |
| Liquid temperature+40°C up to +75°CThe PH of the liquidPH5-8 | |
| Motor data | |
| Squirrel cage 3-phase induction motor | |
| Frequency 50HZ | |
| Insulation class H (+180°C) | |
| Ingress of protection IP 68 Voltage variation | |
| -continuously running Max ±5% | |
| -intermittent running $Max \pm 10\%$ | |
| Voltage imbalance between phases max 2% | |
| No. of start/hour max 3 | |





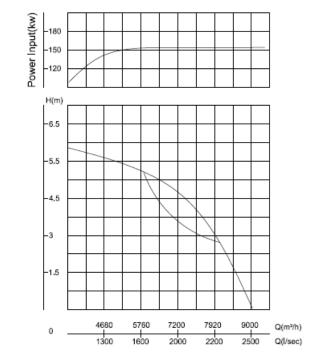




| Product | Monitoring equipment |
|---|--|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates | |
| at low delivery heads They are suitable | for Material |
| pumping clear water or lightly contamin water. | ated |
| Denomination | Pump housing Cast iron GG25 |
| Product code | Impeller Stainless Steel 316 Shaft Stainless steel 316 |
| MF 600/160/800 | Rating |
| | 3~ 380/660 V Speed of rotation 900rpm |
| Process data | |
| Liquid temperature +40°C up to +75° The PH of the liquid PH5-8 | °C |
| Motor data | |
| Squirrel cage 3-phase induction motor | |
| Frequency 50HZ Insulation class H (+180° | |
| Insulation class H (+180° Ingress of protection IP 68 | _) |
| Voltage variation | |
| -continuously running $Max \pm 5\%$ | ó |
| -intermittent running Max ±10 | % |
| Voltage imbalance between phases max 2% | |
| No. of start/hour max 3 | |







| Product | Monitoring equipment |
|---|---|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates | Thermal & humidity contacts |
| at low delivery heads They are suitable for | Material |
| pumping clear water or lightly contaminated water. | |
| Denomination | Pump housing Cast iron GG25 |
| Product code | ImpellerStainless Steel 316ShaftStainless steel 316 |
| MF 500/160/900 | Rating |
| | 3~ 380/660 V Speed of rotation 900rpm |
| Process data | |
| Liquid temperature+40°C up to +75°CThe PH of the liquidPH5-8 | |
| Motor data | |
| Squirrel cage 3-phase induction motorFrequency $50HZ$ Insulation class $H (+180^{\circ}C)$ Ingress of protectionIP 68Voltage variation-continuously running-continuously runningMax $\pm 5\%$ -intermittent runningMax $\pm 10\%$ Voltage imbalance between phases max 2% | |
| No. of start/hour max 3 | |

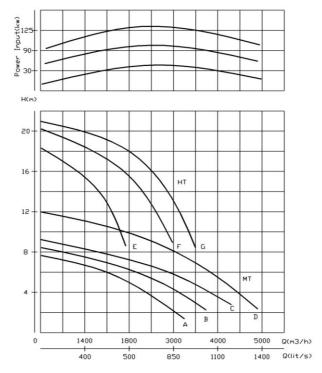








Mixed-Flow Electric Pumps 37~132 KW (730/900 rpm)



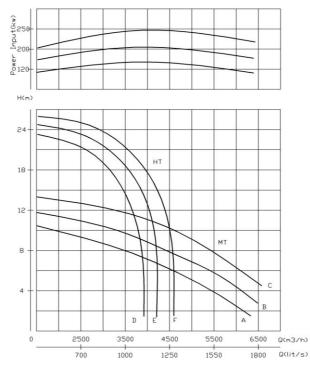
| Product | | Monitoring | equipment |
|--|----------------------|--------------------------|--|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates at low delivery heads They are suitable for pumping clear water or lightly contaminated water. | | Thermal & hum | idity contacts |
| | | Material | |
| | | | |
| Denomination | | Pump housing Impeller | Cast iron GG25 Stainless Steel 316 |
| Product code | duct code | | Stainless steel 316 Stainless steel 316 |
| MT-A 37 /500 HT-E 7 MT-B 55/600 HT-F 9 | | | |
| MT-C 90/700 HT-G 1 | | Rating | |
| MT-D 132/800 | | | |
| 8 | ~ 800 mm)~900 mm | 3~ Speed of rotatio | n 730/900 rpm |
| | | Speed of Totallo | 11 |
| Process data | | | |
| | up to +75°C PH5-8 | | |
| Motor data | | | |
| Squirrel cage 3-phase induction me | | | |
| Frequency Insulation class | 50HZ H (+180°C) | | |
| Ingress of protection | IP 68 | | |
| Voltage variation | | | |
| -continuously running -intermittent running | Max ±5% Max ±10% | | |
| - | | | |
| Voltage imbalance between phases No. of start/hour | s max 2% max 3 | | |







Mixed-Flow Electric Pumps 132~250 KW (730/900/1450 rpm)



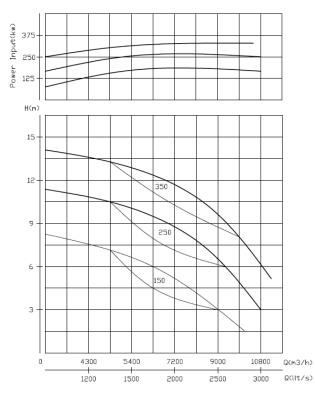
| Product | Monitoring equipment |
|---|---|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates | Thermal & humidity contacts |
| at low delivery heads They are suitable for pumping clear water or lightly contaminated water. | Material |
| Denomination | Pump housing Cast iron GG25 |
| Product code | ImpellerStainless Steel 316ShaftStainless steel 316 |
| MT-A 132/750HT-D 132/600MT-B 200/800HT-E 200/650MT-C 250/900~1000HT-F 250/750 | Rating |
| Discharge connection600 ~ 1000 mmWell pipe dia.:1200 mm | 3~ 730/900/1450 rpm |
| Process data | |
| Liquid temperature+40°C up to +75°CThe PH of the liquidPH5-8 | |
| Motor data | |
| Squirrel cage 3-phase induction motorFrequency50HZInsulation classH (+180°C)Ingress of protectionIP 68Voltage variation-continuously running-continuously runningMax ±5%-intermittent runningMax ±10% | |
| Voltage imbalance between phases max 2% No. of start/hour max 3 | |







Mixed-Flow Electric Pumps 150~250~350 KW (590 rpm)



Product Centerage Submersible Propeller Pumps are specially designed for handling high flow rates

specially designed for handling high flow rates at low delivery heads They are suitable for pumping clear water or lightly contaminated water.

Denomination MF 150/2000 Product code MF 250/2000 MF 350/2000 Discharge connection 1400 mm Well pipe dia .: 2000 mm **Process data** Liquid temperature $+40^{\circ}$ C up to $+75^{\circ}$ C The PH of the liquid PH5-8 Motor data Squirrel cage 3-phase induction motor Frequency 50HZ Insulation class H (+180°C) Ingress of protection IP 68 Voltage variation -continuously running Max $\pm 5\%$

Voltage imbalance between phases max 2% No. of start/hour max 3

Max ±10%

-intermittent running

Monitoring equipment

Thermal & humidity contacts

Material

Pump housingCast iron GG25ImpellerStainless Steel 316ShaftStainless steel 316

Rating

3~

Speed of rotation

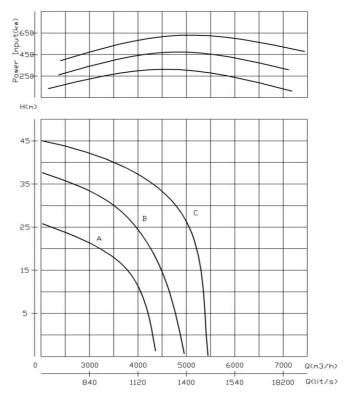
590 rpm







Mixed-Flow Electric Pumps 250~650 KW (410/730/900 rpm)



Product Centerage Submersible Propeller Pumps are specially designed for handling high flow rates at low delivery heads They are suitable for pumping clear water or lightly contaminated water.

Denomination HT-A 250/600 Product code HT-B 450/700 HT-C 650/800 Discharge connection 600~800 mm Well pipe dia.: 1200 mm **Process data** Liquid temperature $+40^{\circ}$ C up to $+75^{\circ}$ C The PH of the liquid PH5-8 Motor data Squirrel cage 3-phase induction motor Frequency Insulation class

Frequency50 HZInsulation classH (+180°C)Ingress of protectionIP 68Voltage variation-continuously running-intermittent runningMax $\pm 5\%$ Voltage imbalance between phases may 2%

Voltage imbalance between phases max 2% No. of start/hour max 3

Monitoring equipment

Thermal & humidity contacts

Material

Pump housingCast iron GG25ImpellerStainless Steel 316ShaftStainless steel 316

Rating

3~ Speed of rotation

410/730/900 rpm

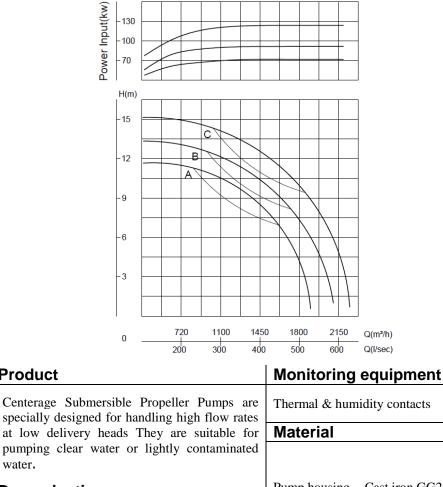




Product

water.

Mixed-Flow Electric Pumps 75 kw / 90 kw / 132 kw (900 rpm)



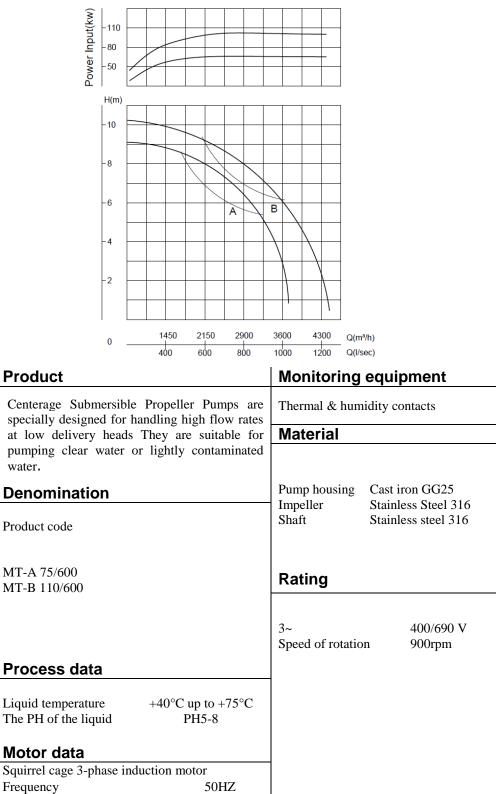
| Denomination | Pump housingCast iron GG25ImpellerStainless Steel 316ShaftStainless steel 316 |
|--|---|
| Product code | Shart Stanless steer 510 |
| MT-A 75/600 MT-B 90/600 MT-C 132/600 | Rating |
| M11-C 132/000 | 3~ 400/690 V Speed of rotation 590/730 rpm |
| Process data | |
| Liquid temperature+40°C up to +75°CThe PH of the liquidPH5-8 | |
| Motor data | |
| Squirrel cage 3-phase induction motor | |
| Frequency 50HZ | |
| Insulation class $H(+180^{\circ}C)$ | |
| Ingress of protection IP 68 | |
| Voltage variation | |
| -continuously runningMax ±5%-intermittent runningMax ±10% | |
| Voltage imbalance between phases max 2% | |

No. of start/hour max 3





Mixed-Flow Electric Pumps 75 kw / 110 kw (900rpm)



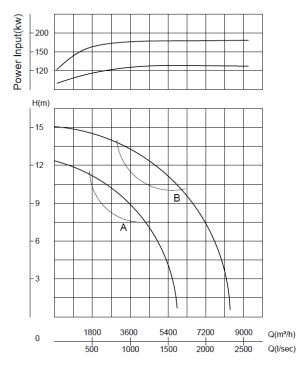
| Squirrel cage 3-phase induction | n motor |
|---------------------------------|------------|
| Frequency | 50HZ |
| Insulation class | H (+180°C) |
| Ingress of protection | IP 68 |
| Voltage variation | |
| -continuously running | Max ±5% |
| -intermittent running | Max ±10% |
| | |

Voltage imbalance between phases max 2% No. of start/hour max 3





Mixed-Flow Electric Pumps 132 kw / 180 kw (900rpm)



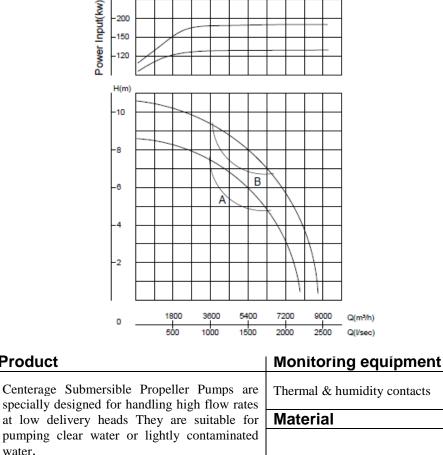
| Product | Monitoring equipment |
|--|---|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates | Thermal & humidity contacts |
| at low delivery heads They are suitable for pumping clear water or lightly contaminated | Material |
| water. | |
| Denomination | Pump housingCast iron GG25ImpellerStainless Steel 316 |
| Product code | Shaft Stainless steel 316 |
| MT-A 132/600 MT-B 180/700 | Rating |
| Process data | 3~400/690 VSpeed of rotation900rpm |
| | |
| Liquid temperature+40°C up to +75°CThe PH of the liquidPH5-8 | |
| Motor data | |
| Squirrel cage 3-phase induction motor | |
| Frequency50HZInsulation classH (+180°C) | |
| Ingress of protection IP 68 | |
| Voltage variation | |
| -continuously running Max ±5% | |
| -intermittent running Max ±10% | |
| Voltage imbalance between phases max 2% | |
| No. of start/hour max 3 | |





Product

Mixed-Flow Electric Pumps 132 kw / 200 kw (900rpm)



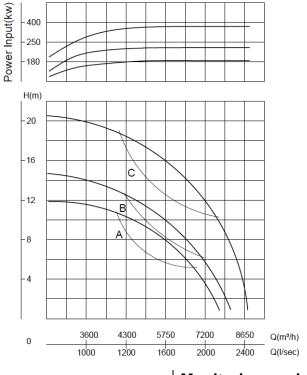
| water. | | | |
|--|----------------------------|-------------------------|--|
| Denomination | | Pump housing | Cast iron GG25 |
| Product code | | Impeller Shaft | Stainless Steel 316 Stainless steel 316 |
| MT-A 132/800 MT-B 200/1200 | | Rating | |
| | | 3~ Speed of rotation | 400/690 V n 900rpm |
| Process data | | | |
| Liquid temperature The PH of the liquid | +40°C up to +75°C PH5-8 | | |
| Motor data | | | |
| Squirrel cage 3-phase induction motor | | | |
| Frequency | 50HZ | | |
| Insulation class | H (+180°C) | | |
| Ingress of protection | IP 68 | | |
| Voltage variation | | | |
| -continuously running | Max ±5% | | |
| -intermittent running | Max ±10% | | |
| Voltage imbalance between phases max 2% | | | |

No. of start/hour max 3





Mixed-Flow Electric Pumps 200 kw / 230 kw / 400 kw (730~900 rpm)



| Product | Monitoring equipment | |
|---|---|--|
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates | Thermal & humidity contacts | |
| at low delivery heads They are suitable for | Material | |
| pumping clear water or lightly contaminated | | |
| water. | | |
| Denomination | Pump housing Cast iron GG25 | |
| Product code | ImpellerStainless Steel 316ShaftStainless steel 316 | |
| MT-A 200/1000 | | |
| MT-B 230/1000 | Rating | |
| MT-C 400/1000 | | |
| | 2 400/c00 M | |
| | 3~ 400/690 V Speed of rotation 730/900 rpm | |
| D | | |
| Process data | | |
| Liquid temperature $+40^{\circ}$ C up to $+75^{\circ}$ C | | |
| The PH of the liquid PH5-8 | | |
| | | |
| Motor data | | |
| Squirrel cage 3-phase induction motor | | |
| Frequency50HZInsulation classH (+180°C) | | |
| Ingress of protection IP 68 | | |
| Voltage variation | | |
| -continuously running Max ±5% | | |
| -intermittent running Max ±10% | | |
| Voltage imbalance between phases max 2% | | |
| No. of start/hour max 3 | | |
| | | |





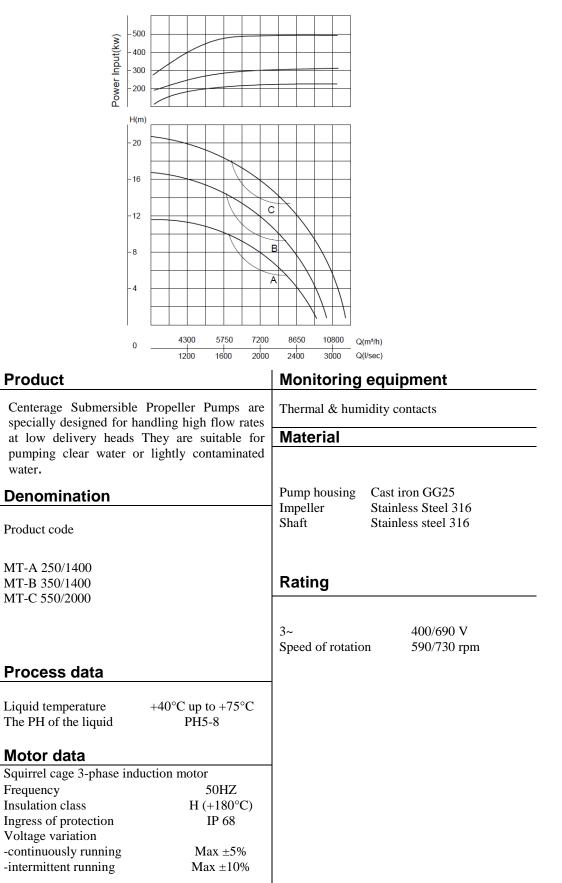
Mixed-Flow Electric Pumps 220 kw / 400 kw / 600 kw / 800 kw (590~730 rpm)

| Power Input(kw) | $ \begin{array}{c} 800 \\ 600 \\ -400 \\ -200 \\ -16 \\ -12 \\ -8 \\ -6 \\ 0 \\ -6 \\ 0 \\ -6 \\ 0 \\ -6 \\ 0 \\ -6 \\ 0 \\ -6 \\ 0 \\ -6 \\ 0 \\ -6 \\ 0 \\ 0 \\ -6 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$ | | |
|--|---|---|--|
| . | 1800 2500 300 | 1 | |
| Product | | Monitoring equipment | |
| Centerage Submersible Propeller Pumps are specially designed for handling high flow rates at low delivery heads They are suitable for pumping clear water or lightly contaminated water. | | Thermal & humidity contacts Material | |
| Denomination | | Pump housing Cast iron GG25 | |
| Product code | | ImpellerStainless Steel 316ShaftStainless steel 316 | |
| MT-A 220/2200 MT-B 400/2200 MT-C 600/2200 MT-D 800/2200 | | Rating | |
| | | 3~ 690/6000 V Speed of rotation 590/730 rpm | |
| Process data | | 4 | |
| Liquid temperature The PH of the liquid | +40°C up to +75°C PH5-8 | | |
| Motor data | | 4 | |
| Squirrel cage 3-phase i Frequency Insulation class Ingress of protection Voltage variation -continuously running -intermittent running Voltage imbalance betw | 50HZ H (+180°C) IP 68 Max ±5% Max ±10% | | |
| No. of start/hour | max 3 | | |





Mixed-Flow Electric Pumps 250 kw / 350 kw / 550 kw (590~730 rpm)



Voltage imbalance between phases max 2% No. of start/hour max 3