

## ((MIXED-FLOW SUBMERSIBLE ELECTRIC PUMPS))

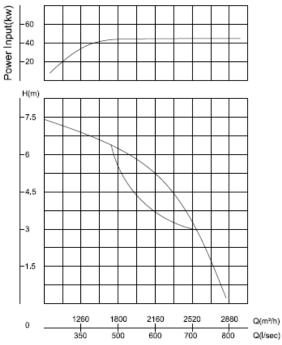








## Mixed-Flow Electric Pumps 450/45/400 (900rpm)



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	

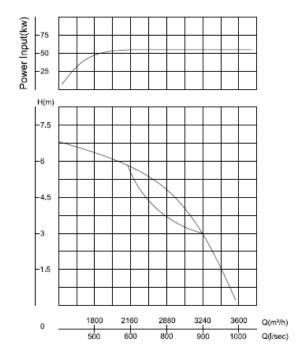
.





.

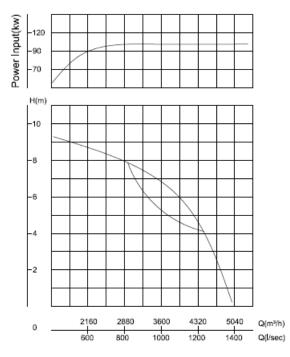
## Mixed-Flow Electric Pumps 500/55/600 (900rpm)



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)

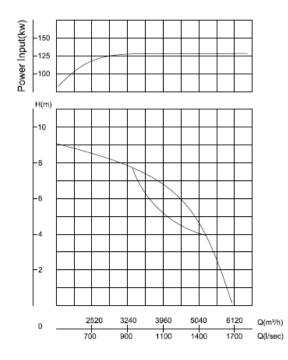


Product	Monitoring equipment
Centerage Submersible Propeller Pumps are specially designed for handling high flow rates	Thermal & humidity contacts
at low delivery heads They are suitable for	Material
pumping clear water or lightly contaminated water.	
Denomination	Pump housing Cast iron GG25
Product 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)

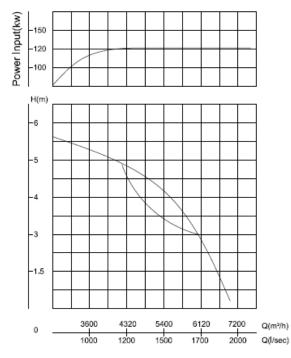


Product	Monitoring equipment
Centerage Submersible Propeller Pumps are specially designed for handling high flow rates	Thermal & humidity contacts
at low delivery heads They are suitable for	Material
pumping clear water or lightly contaminated water.	
Denomination	Pump housing Cast iron GG25
Product 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)

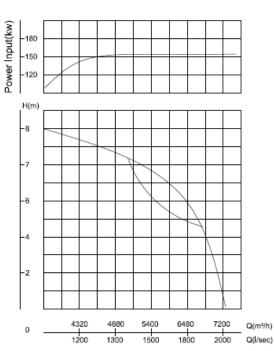


Product	Monitoring equipment
Centerage Submersible Propeller Pumps are specially designed for handling high flow rates	Thermal & humidity contacts
at low delivery heads They are suitable for	Material
pumping clear water or lightly contaminated water.	
Denomination	Pump housing Cast iron GG25
Product 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	





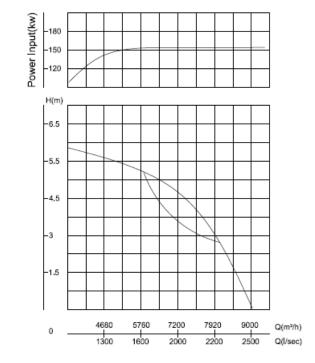




Product	Monitoring equipment
Centerage Submersible Propeller Pumps are specially designed for handling high flow rates	
at low delivery heads They are suitable	for Material
pumping clear water or lightly contamin water.	ated
Denomination	Pump housing Cast iron GG25
Product code	Impeller         Stainless 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	

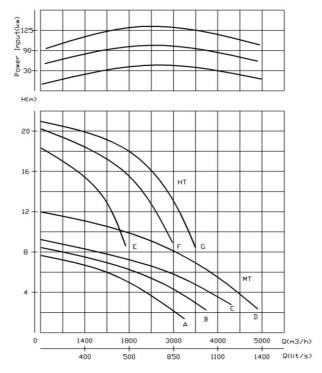








## Mixed-Flow Electric Pumps 37~132 KW ( 730/900 rpm)



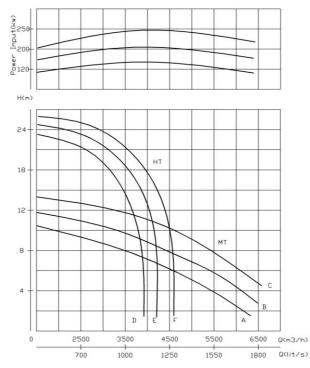
Product		Monitoring	equipment
Centerage Submersible Propeller Pumps are specially designed for handling high flow rates at low delivery heads They are suitable for pumping clear water or lightly contaminated water.		Thermal & hum	idity contacts
		Material	
Denomination		Pump housing Impeller	Cast iron 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)



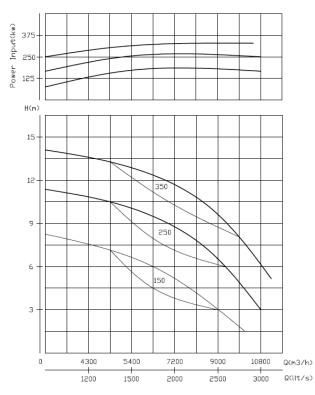
Product	Monitoring equipment
Centerage Submersible Propeller Pumps are specially designed for handling high flow rates	Thermal & humidity contacts
at low delivery heads They are suitable for pumping clear water or lightly contaminated water.	Material
Denomination	Pump housing Cast iron GG25
Product code	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

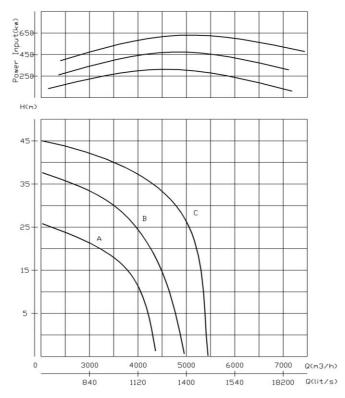
590 rpm







### 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

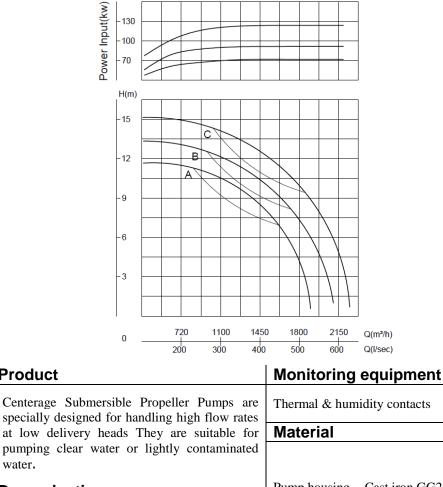




Product

water.

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



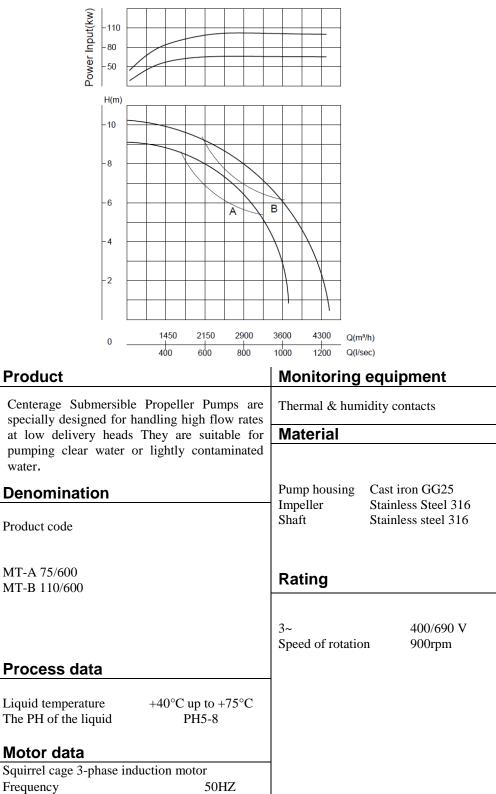
Denomination	Pump housingCast iron GG25ImpellerStainless Steel 316ShaftStainless steel 316
Product code	Shart Stanless steer 510
MT-A 75/600 MT-B 90/600 MT-C 132/600	Rating
M11-C 132/000	3~ 400/690 V Speed of rotation 590/730 rpm
Process data	
Liquid temperature+40°C up to +75°CThe PH of the liquidPH5-8	
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)



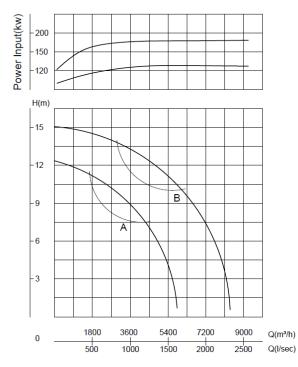
Squirrel cage 3-phase induction	n motor
Frequency	50HZ
Insulation class	H (+180°C)
Ingress of protection	IP 68
Voltage variation	
-continuously running	Max ±5%
-intermittent running	Max ±10%

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





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



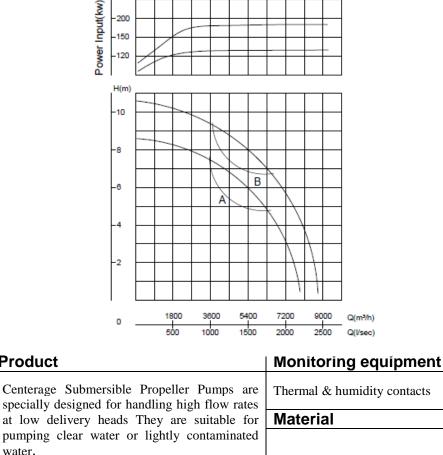
Product	Monitoring equipment
Centerage Submersible Propeller Pumps are specially designed for handling high flow rates	Thermal & humidity contacts
at low delivery heads They are suitable for pumping clear water or lightly contaminated	Material
water.	
Denomination	Pump housingCast iron GG25ImpellerStainless 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)



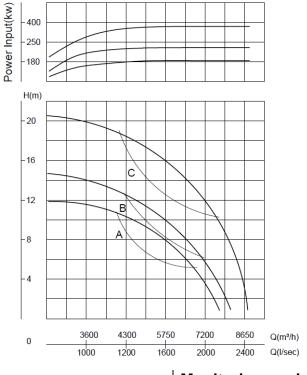
water.			
Denomination		Pump housing	Cast iron GG25
Product code		Impeller Shaft	Stainless Steel 316 Stainless steel 316
MT-A 132/800 MT-B 200/1200		Rating	
		3~ Speed of rotation	400/690 V n 900rpm
Process data			
Liquid temperature The PH of the liquid	+40°C up to +75°C PH5-8		
Motor data			
Squirrel 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	
<b>D</b>		
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		





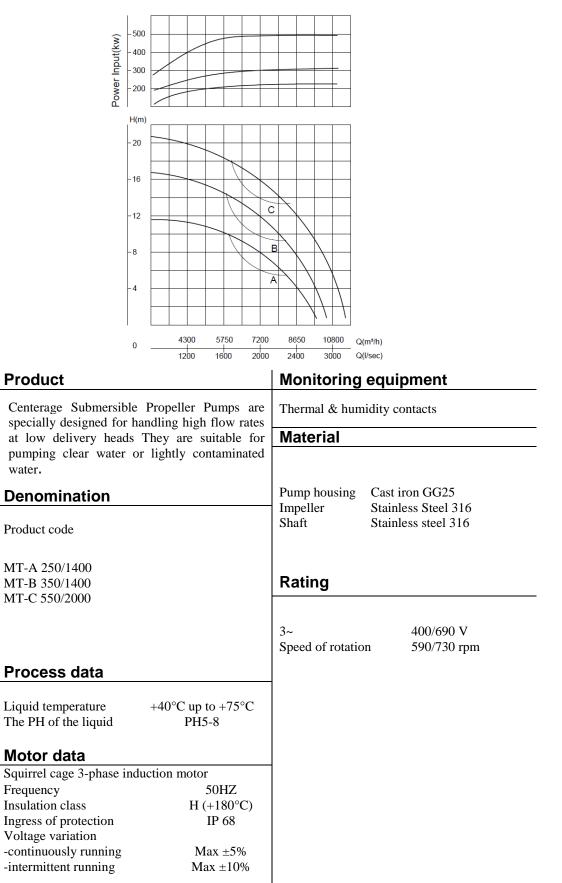
#### *Mixed-Flow Electric Pumps* 220 kw / 400 kw / 600 kw / 800 kw (590~730 rpm)

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$		
<b>.</b>	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