

Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
QB60	0.5	220	34-34	40	30	29x15x19	6
QB80	1	220	34-34	75	40	34x22x21	10

#### USES AND INSTALLATIONS

They are recommended for pumping clean water without abrasive particles, and liquids that are chemically non aggressive for the materials of which the pump is made. Due to their reliability, simplicity of use and economy, they are suitable for domestic use and in particular for distributing water in combination with small autoclaves, for irrigating applications. The pumps must be installed in enclosed places, or at least protected against inclement weather.

#### CONSTRUCTION CHARACTERISTICS

Pump Body: Cast iron

Impeller: Brass

Motor Shaft: 45# steel or stainless steel 304

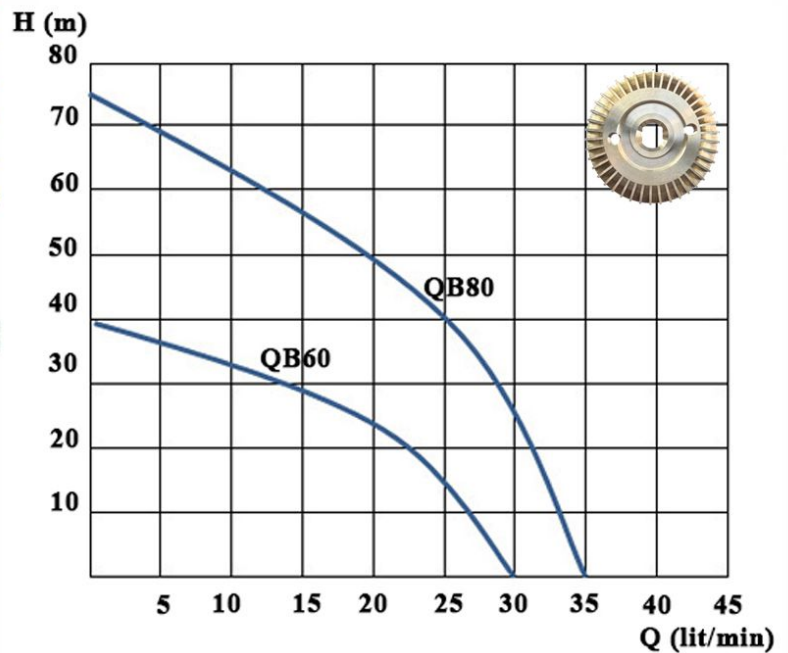
Mechanical Seal: Ceramic - graphite.

Electric Motor: Single-phase 230 V - 50 Hz with condenser and thermal overload protector built into the copper winding.

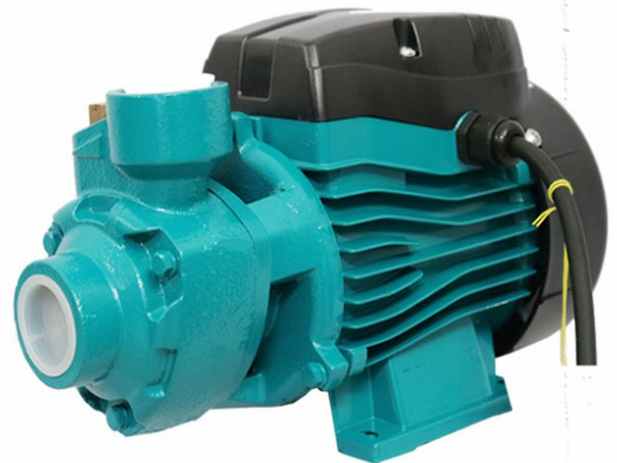
Insulation: Class B.

Protection: IP 44.

#### HYDRAULIC PERFORMANCE CURVES



#### QB



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
XGM-5B	1	220	60-60	14	500	39x22x26	16
XGM-5BM	1.5	220	60-60	20.4	500	42x23x28	22
XGM-5AM	2	220	60-60	22	500	42x23x28	23
XGM-6C	1.5	220	90-90	12.5	900	47x27x35	29
XGM-6CR	1.5	220	114-114	12.5	900	48x27x35	32
XGM-6B	2	220	90-90	14.5	1000	48x27x35	30
XGM-6BR	2	220	114-114	14.5	1000	48x27x35	34
XGM-6A	3	220	90-90	17.5	1100	57x27x35	36
XGM-6AR	3	220	114-114	17.5	1100	57x27x35	38
XGM-7BR	4	220	114-114	20	1200	57x27x35	42
XGM-7AR	5.5	220	114-114	22	1300	57x27x35	44

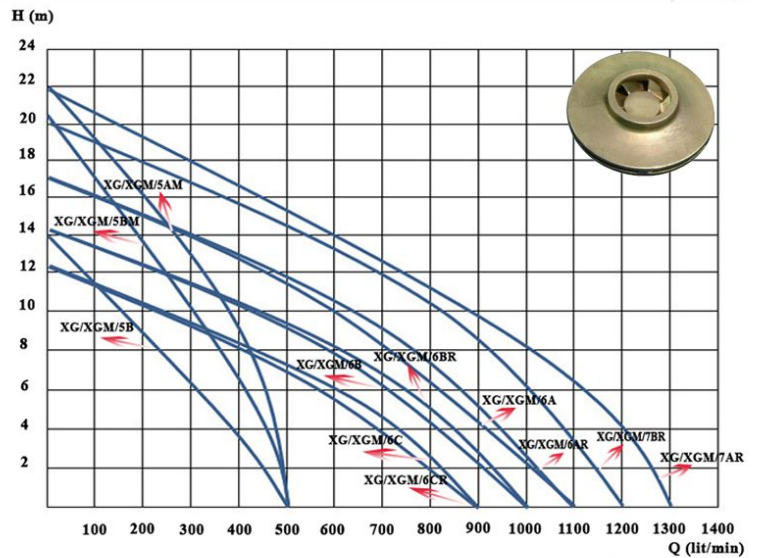
### USES AND INSTALLATIONS

They are recommended for pumping clean water without abrasive particles, and liquids that are chemically non aggressive for the materials of which the pump is made. Due to their reliability, simplicity of use and economy, they are suitable for domestic use and in particular for distributing water in combination with small autoclaves, for irrigating applications. The pumps must be installed in enclosed places, or at least protected against inclement weather.

### CONSTRUCTION CHARACTERISTICS

- Pump Body: Cast iron
- Impeller: Brass with radial peripheral vanes.
- Motor Shaft: 45# steel or stainless steel 304
- Mechanical Seal: Ceramic - graphite.
- Electric Motor: Single-phase 230 V - 50 Hz with condenser and thermal overload protector built into the copper winding.
- Insulation: Class B.
- Protection: IP 44.

### HYDRAULIC PERFORMANCE CURVES



### XG-XGM



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
2XCm/160B	2	220	42-34	52	140	45x25x28	28

### USES AND INSTALLATIONS

They are recommended for pumping clean water without abrasive particles, and liquids that are chemically non aggressive for the materials of which the pump is made. Due to their reliability, simplicity of use and economy, they are suitable for domestic use and in particular for distributing water in combination with small autoclaves, for irrigating applications. The pumps must be installed in enclosed places, or at least protected against inclement weather.

### CONSTRUCTION CHARACTERISTICS

Pump Body: Cast iron

Impeller: Brass

Motor Shaft: 45# steel or stainless steel 304

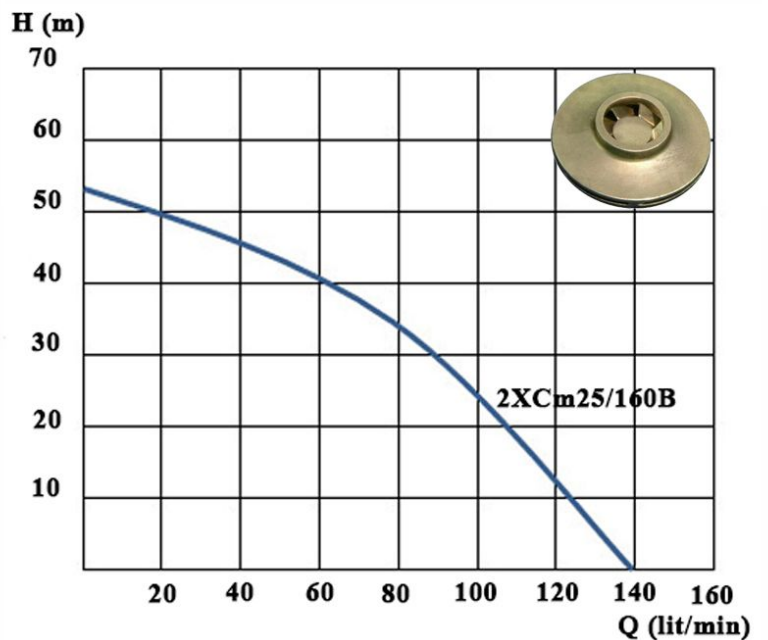
Mechanical Seal: Ceramic - graphite.

Electric Motor: Single-phase 230 V - 50 Hz with condenser and thermal overload protector built into the copper winding.

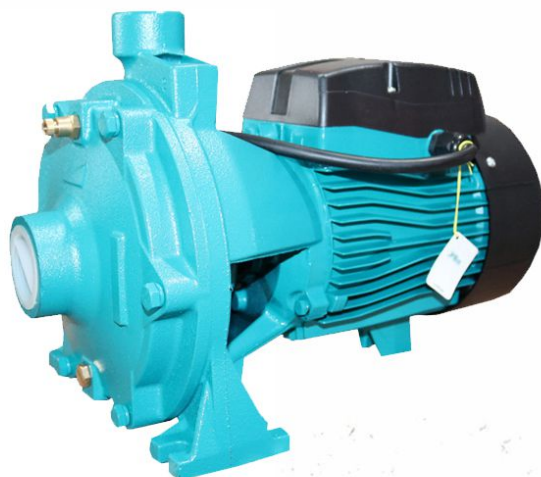
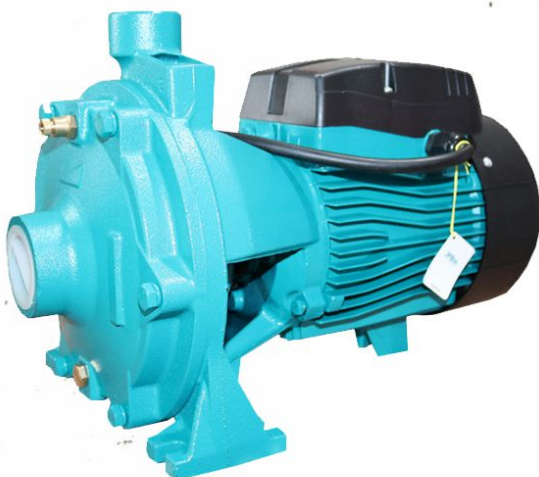
Insulation: Class B.

Protection: IP 44.

### HYDRAULIC PERFORMANCE CURVES



### 2XCm



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
XCm25/160A	2.0	220	42-34	38	220	41x25x29	25
XCm25/160B	1.5	220	42-34	33	200	41x25x29	23

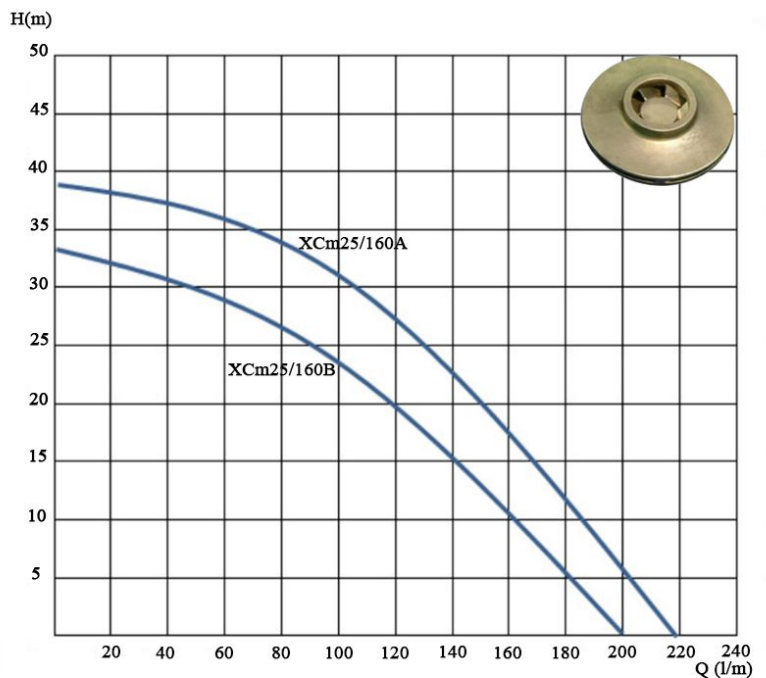
### USES AND INSTALLATIONS

They are recommended for pumping clean water without abrasive particles, and liquids that are chemically non aggressive for the materials of which the pump is made. Due to their reliability, simplicity of use and economy, they are suitable for domestic use and in particular for distributing water in combination with small autoclaves, for irrigating applications. The pumps must be installed in enclosed places, or at least protected against inclement weather.

### CONSTRUCTION CHARACTERISTICS

Pump Body: Cast iron  
 Impeller: Brass  
 Motor Shaft: 45# steel or stainless steel 304  
 Mechanical Seal: Ceramic - graphite.  
 Electric Motor: Single-phase 230 V - 50 Hz with condenser and thermal overload protector built into the copper winding.  
 Insulation: Class B.  
 Protection: IP 44.

### HYDRAULIC PERFORMANCE CURVES



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
SP-750	1	220	42-34	22	270	43x27x26	20
SP-1100	1.5	220	49-42	28	420	44x27x26	22
SP-1500	2	220	60-49	32	480	46x29x27	27

### USES AND INSTALLATIONS

They are recommended for pumping clean water without abrasive particles, and liquids that are chemically non aggressive for the materials of which the pump is made. Due to their reliability, simplicity of use and economy, they are suitable for domestic use and in particular for distributing water in combination with small autoclaves, for irrigating applications. The pumps must be installed in enclosed places, or at least protected against inclement weather.

### CONSTRUCTION CHARACTERISTICS

Pump Body: Cast iron

Impeller: Brass

Motor Shaft: 45# steel or stainless steel 304

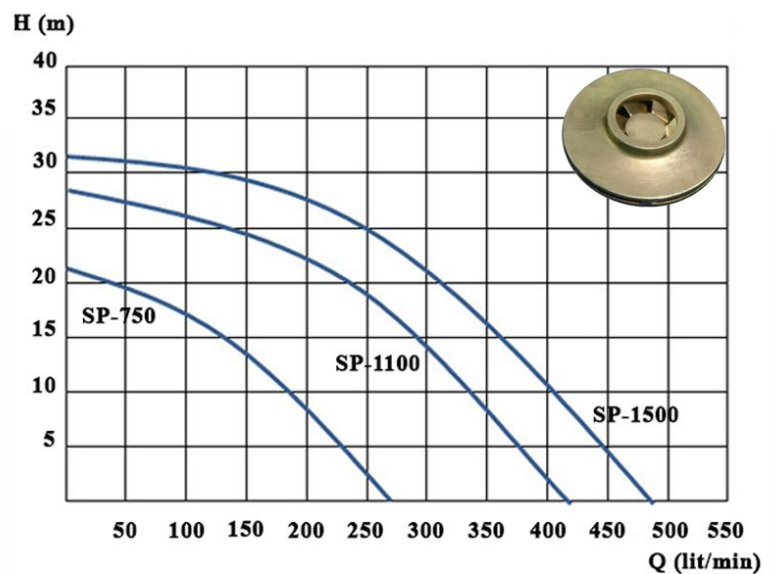
Mechanical Seal: Ceramic - graphite.

Electric Motor: Single-phase 230 V - 50 Hz with condenser and thermal overload protector built into the copper winding.

Insulation: Class B.

Protection: IP 44.

### HYDRAULIC PERFORMANCE CURVES



### SP



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
LD-750	1	220	60-60	15	470	44x27x26	20
LD-1100	1.5	220	60-60	15	580	45x27x27	22
LD-1500	2	220	90-90	15	920	47x31x29	30

### USES AND INSTALLATIONS

They are recommended for pumping clean water without abrasive particles, and liquids that are chemically non aggressive for the materials of which the pump is made. Due to their reliability, simplicity of use and economy, they are suitable for domestic use and in particular for distributing water in combination with small autoclaves, for irrigating applications. The pumps must be installed in enclosed places, or at least protected against inclement weather.

### CONSTRUCTION CHARACTERISTICS

Pump Body: Cast iron

Impeller: Brass

Motor Shaft: 45# steel or stainless steel 304

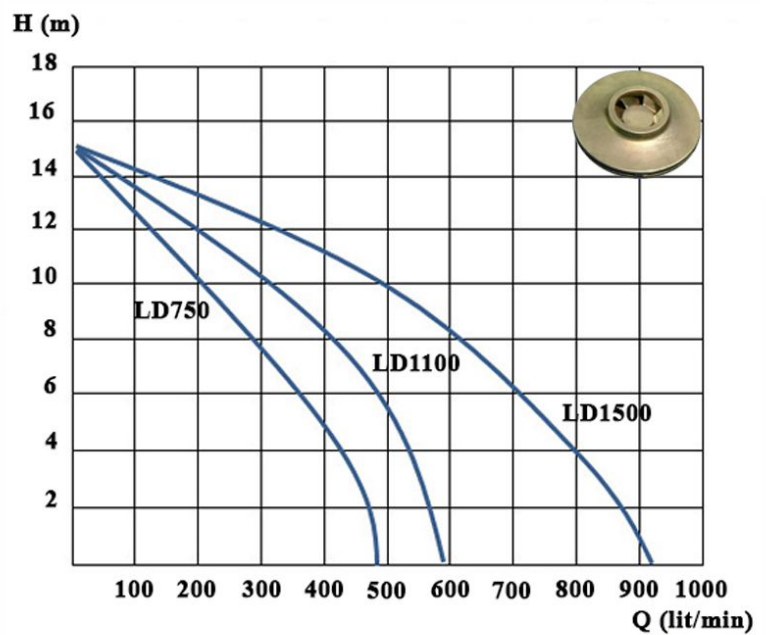
Mechanical Seal: Ceramic - graphite.

Electric Motor: Single-phase 230 V - 50 Hz with condenser and thermal overload protector built into the copper winding.

Insulation: Class B.

Protection: IP 44.

### HYDRAULIC PERFORMANCE CURVES



### LD



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
CM2-60	1	220	34-34	56	58	45x20x26	12
CM4-60	1.5	220	42-34	58	110	51x20x26	14

### USES AND INSTALLATIONS

CM series are mini horizontal centrifugal pump, have a wide application in domestic water supply industry and constructions.

They are used for:

Air-conditioning system

Cooling system

Industrial cleaning conveyance

and circulation of liquid.

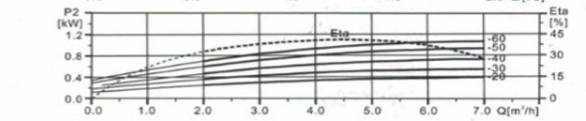
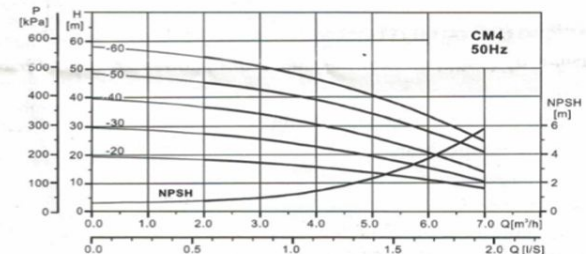
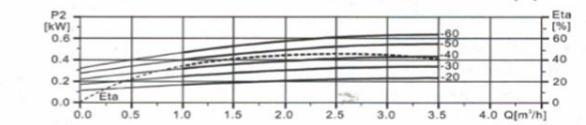
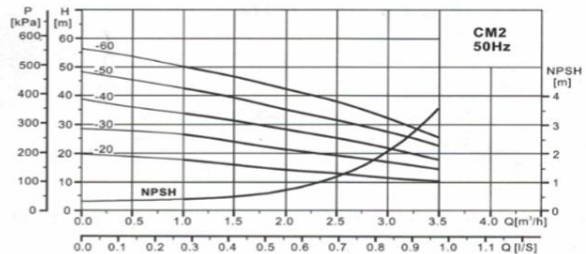
Water treatment (water purification)

Domestic water supply

Boosting environment

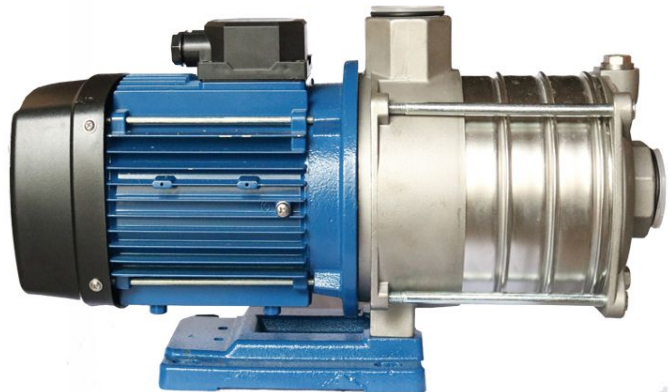
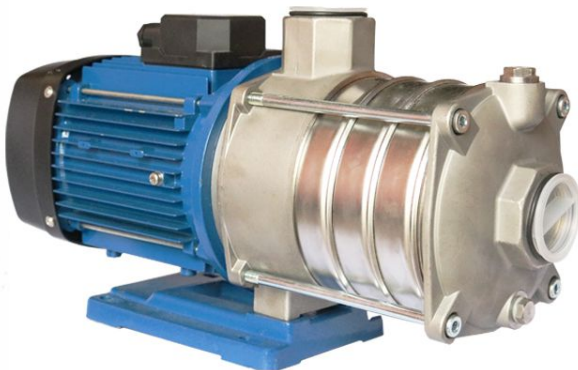
Many other special using.

### HYDRAULIC PERFORMANCE CURVES



**CM2/4**

Impeller: stainless



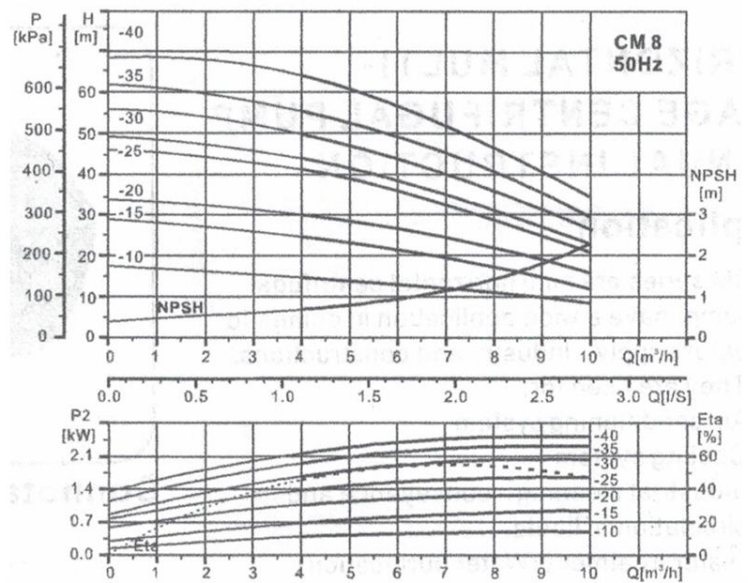
Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
CM8-25	2	220	49-49	46	160	48x23x31	22
CM8-25T	2	380	49-49	46	160	48x23x31	20
CM8-40	3	220	49-49	68	160	53x27x33	31
CM8-40T	3	380	49-49	68	160	51x26x33	26

**USES AND INSTALLATIONS**

CM series are mini horizontal centrifugal pump, have a wide application in domestic water supply industry and constructions.

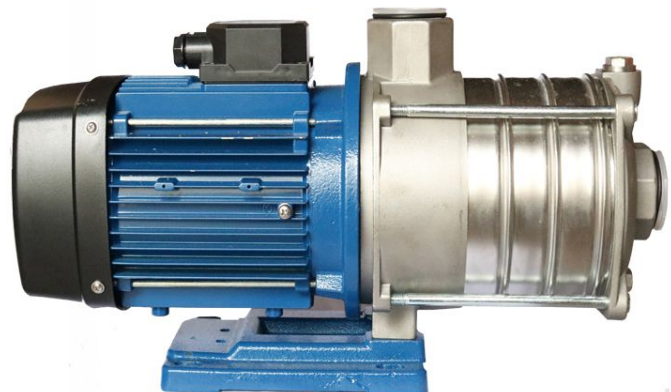
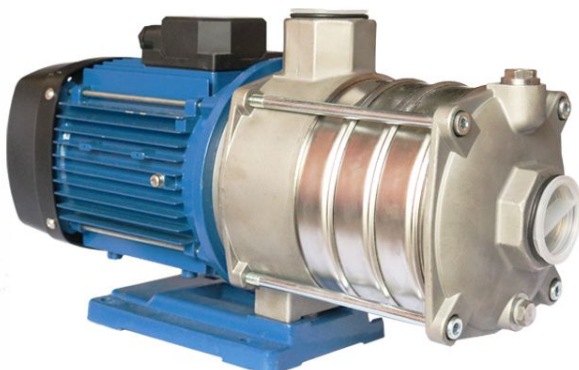
- They are used for:
- Air-conditioning system
- Cooling system
- Industrial cleaning conveyance and circulation of liquid.
- Water treatment (water purification)
- Domestic water supoly
- Boosting entironment
- Many other special using.

**HYDRAULIC PERFORMANCE CURVES**



**CMS**

Impeller: stainless





Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
CM16-30	3	220	60-60	40	400	56x26x33	31
CM16-30T	3	380	60-60	40	400	56x26x33	28

### USES AND INSTALLATIONS

CM series are mini horizontal centrifugal pump, have a wide application in domestic water supply industry and constructions.

They are used for:

Air-conditioning system

Cooling system

Industrial cleaning conveyance and circulation of liquid.

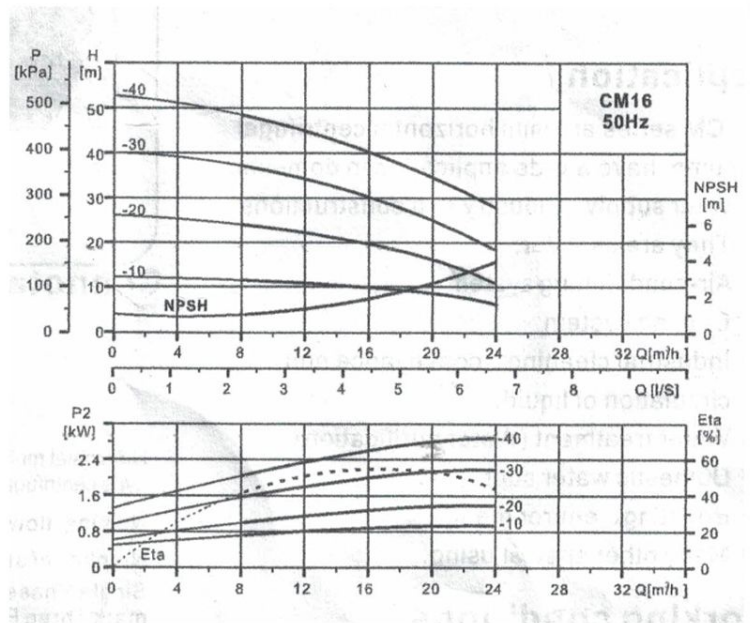
Water treatment (water purification)

Domestic water supply

Boosting environment

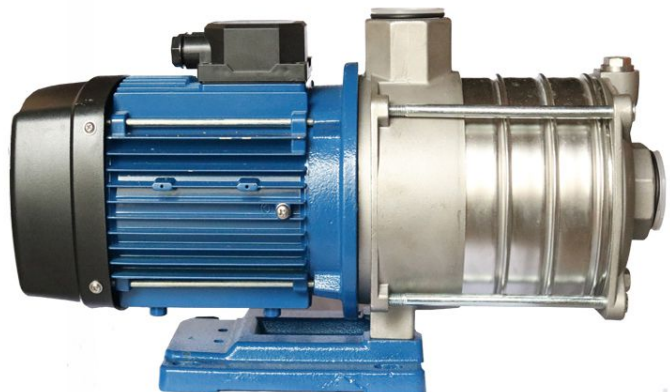
Many other special using.

### HYDRAULIC PERFORMANCE CURVES



### CM16

Impeller: stainless

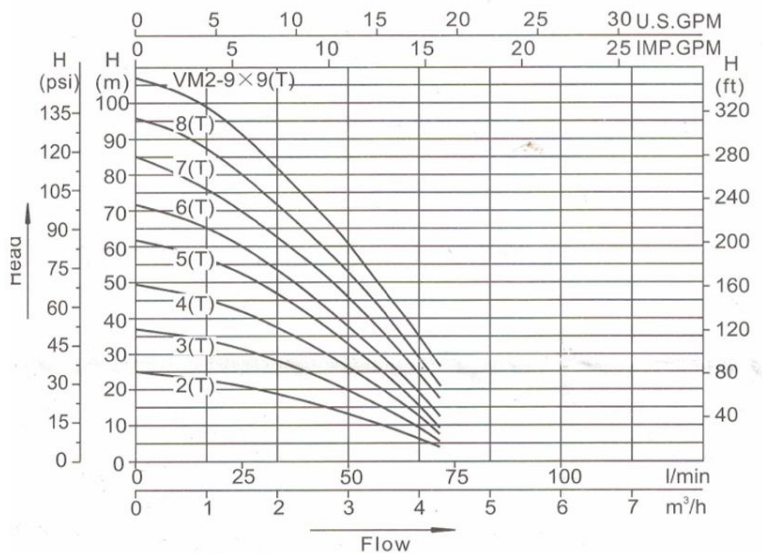


Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
VM2-9x5	1.3	220	34-34	60	70	54x29x32	24
VM2-9x7	1.5	220	34-34	84	70	60x29x31	28
VM2-9x9	2	220	34-34	108	70	65x29x32	31
VM2-9x9T	2	380	34-34	108	70	65x29x32	28

**USES AND INSTALLATIONS**

VM series vertical multi stage centr-ifugal pump:impeller and diffuser are made of high reinforce engineering plastic; outer sleeve is SUS304; inlet and outlet are cast iron. Adopt optim-ization design, the performance reaches the advanced level of similar product. With the characteristics of beautiful appearance, corrosion resistance, high head, high efficiency, durability, etc.

**HYDRAULIC PERFORMANCE CURVES**



**VM2** Impeller: stainless

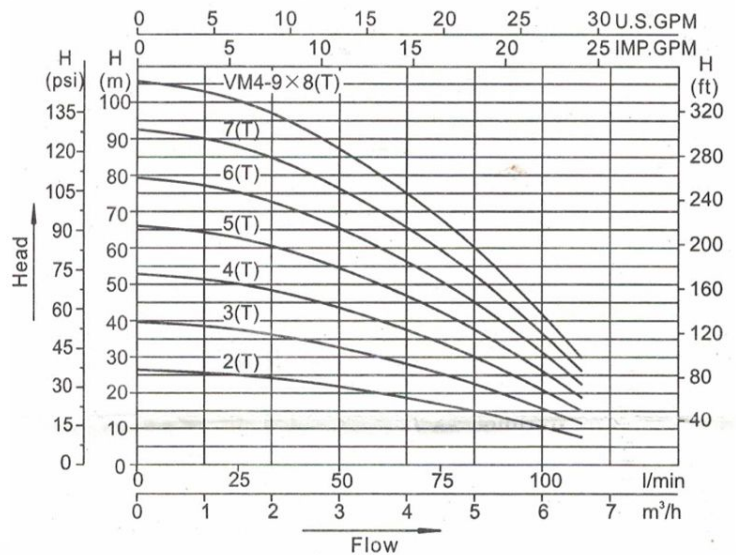


Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
VM4-9x8	3	220	34-34	100	110	65x29x34	35
VM4-9x8T	3	380	34-34	100	110	61x29x32	29

### USES AND INSTALLATIONS

VM series vertical multi stage centr-ifugal pump:impeller and diffuser are made of high reinforce engineering plastic; outer sleeve is SUS304; inlet and outlet are cast iron. Adopt optim-ization design, the performance reaches the advanced level of similar product. With the characteristics of beautiful appearance, corrosion resistance, high head, high efficiency, durability, etc.

### HYDRAULIC PERFORMANCE CURVES



**VM4** Impeller: stainless

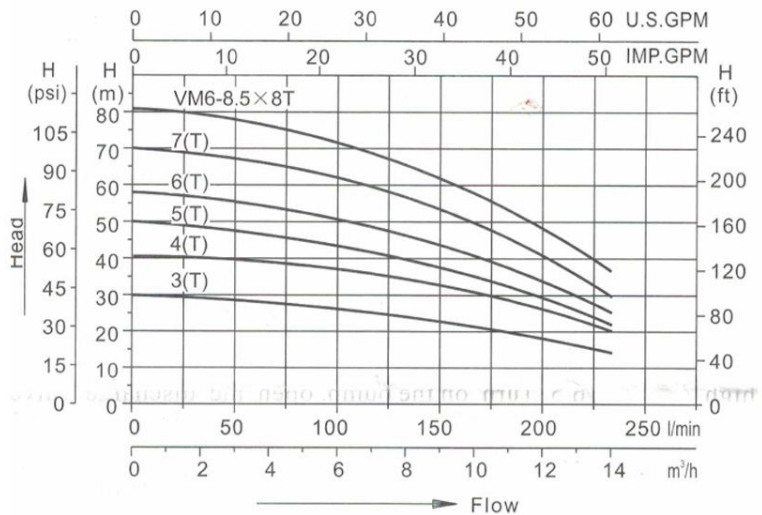


Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
VM6-8.5x8T	4	380	42-42	80	230	76x30x33	37

### USES AND INSTALLATIONS

VM series vertical multi stage centrifugal pump: impeller and diffuser are made of high reinforce engineering plastic; outer sleeve is SUS304; inlet and outlet are cast iron. Adopt optimization design, the performance reaches the advanced level of similar product. With the characteristics of beautiful appearance, corrosion resistance, high head, high efficiency, durability, etc.

### HYDRAULIC PERFORMANCE CURVES



### VM6

Impeller: stainless



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
3M32-160/1.5	2	380	60-42	27	360	48x29x40	26
3M32-160/2.2	3	380	60-42	32	410	48x29x41	29
3M32-200/3.0	4	380	60-42	39	410	55x38x47	42
3M32-200/4.0	5.5	380	60-42	54	410	56x38x48	51
3M32-200/5.5	7.5	380	60-42	65	410	65x38x50	59.5

### USES AND INSTALLATIONS

3M pump is a kind of multifunctional product with a wide range of application. It could be used to convey various medium including water, industrial liquid with different flow rate and pressure.

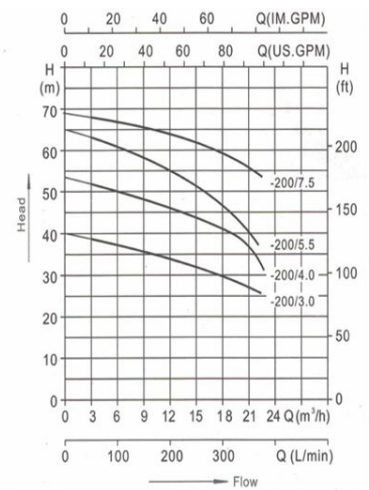
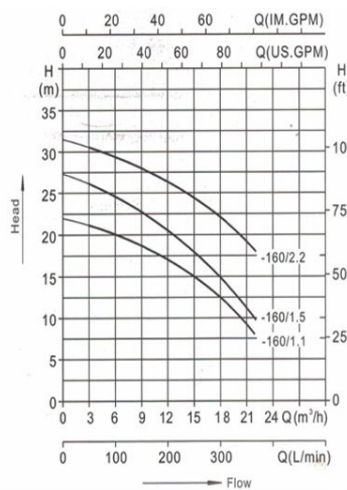
**Water supply:** water transport in waterworks, boosting of main pipeline.  
**Industrial boosting:** process water system, cleaning system, wine-brewing and food system.

**Industrial liquid transfer:** boiler feed, cooling and air-conditioning system, condensate system, weak acids and weak alkali.

**Water treatment:** water transfer, swimming pool system.

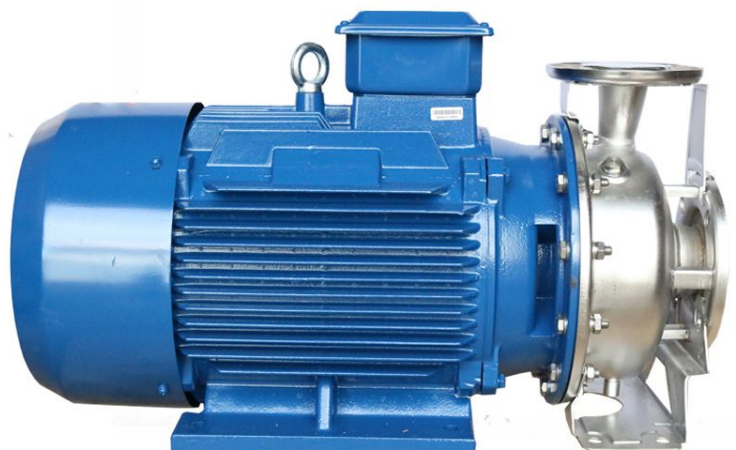
**Farmland irrigation, medical and health, petrochemical, quafarming, etc.**

### HYDRAULIC PERFORMANCE CURVES



### 3M-32

Impeller: stainless



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
3M40-125/1.5	2	380	76-49	21	500	49x29x40	26
3M40-125/2.2	3	380	76-49	28	580	48x29x40	30
3M40-125/3.0	4	380	76-49	32	660	56x33x43	37
3M40-160/4.0	5.5	380	76-49	40	660	55x34x45	47
3M40-200/5.5	7.5	380	76-49	48	660	64x38x49	59
3M40-200/7.5	10	380	76-49	52	750	65x38x50	67
3M40-200/11	15	380	76-49	69	750	72x43x57	90

### USES AND INSTALLATIONS

3M pump is a kind of multifunctional product with a wide range of application. It could be used to convey various medium including water, industrial liquid with different flow rate and pressure.

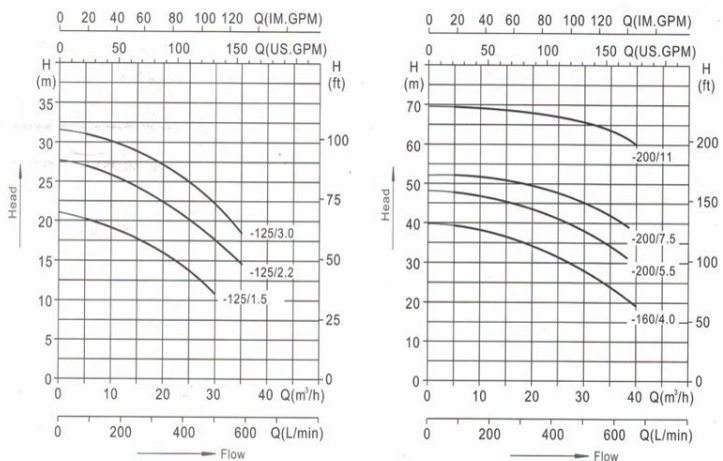
**Water supply:** water transport in waterworks, boosting of main pipeline.  
**Industrial boosting:** process water system, cleaning system, wine-brewing and food system.

**Industrial liquid transfer:** boiler feed, cooling and air-conditioning system, condensate system, weak acids and weak alkali.

**Water treatment:** water transfer, swimming pool system.

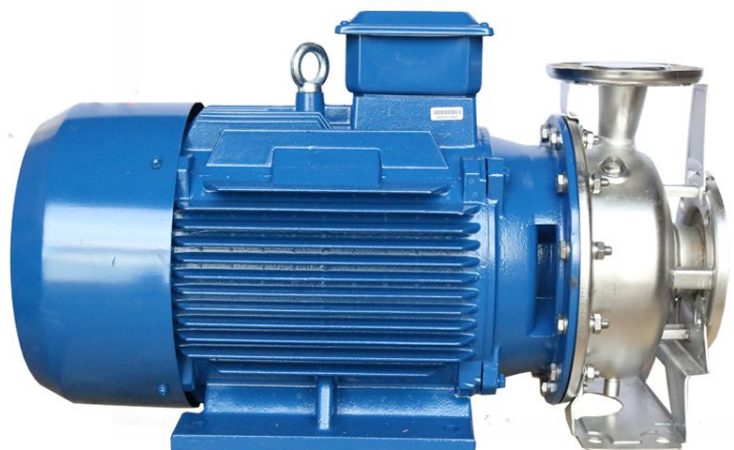
**Farmland irrigation, medical and health, petrochemical, quafarming, etc.**

### HYDRAULIC PERFORMANCE CURVES



**3M-40**

Impeller: stainless



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
3M50-125/3.0	4	380	76-60	27	750	55x34x42	37
3M50-125/4.0	5.5	380	76-60	28	910	55x34x43	46.5
3M50-160/5.5	7.5	380	76-60	35	1000	65x38x49	60
3M50-200/7.5	10	380	76-60	42	1000	65x38x51	70
3M50-200/11	15	380	76-60	58	1100	72x43x56	92
3M50-200/15	20	380	76-60	71	1100	71x43x55	106
3M50-200/18.5	25	380	76-60	73	1100	78x44x57	154

### USES AND INSTALLATIONS

3M pump is a kind of multifunctional product with a wide range of application. It could be used to convey various medium including water, industrial liquid with different flow rate and pressure.

**Water supply:** water transport in waterworks, boosting of main pipeline.

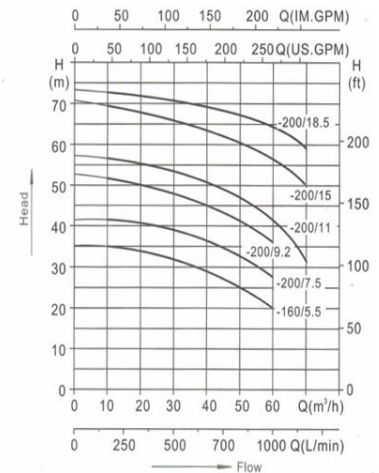
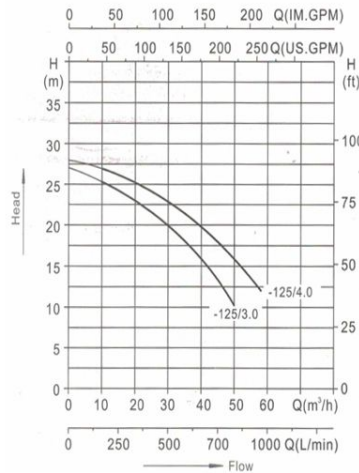
**Industrial boosting:** process water system, cleaning system, wine-brewing and food system.

**Industrial liquid transfer:** boiler feed, cooling and air-conditioning system, condensate system, weak acids and weak alkali.

**Water treatment:** water transfer, swimming pool system.

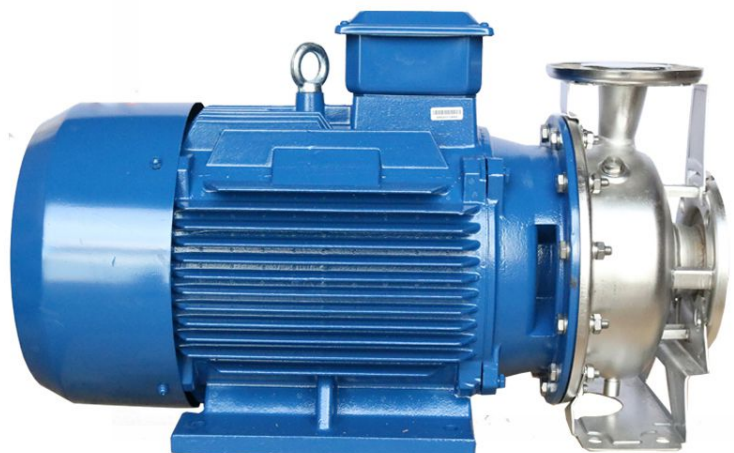
**Farmland irrigation, medical and health, petrochemical, quafarming, etc.**

### HYDRAULIC PERFORMANCE CURVES



### 3M-50

Impeller: stainless



Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Dimension (LxWxH) cm	Gross Weight kg
3M65-125/4.0	5.5	380	90-76	21	1500	63x34x48	50
3M65-125/5.5	7.5	380	90-76	26	1900	62x34x45	56
3M65-125/7.5	10	380	90-76	32	2000	62x34x49	66
3M65-160/11	15	380	90-76	40	2000	70x38x50	91
3M65-160/15	20	380	90-76	48	2100	71x38x50	104
3M65-200/18.5	25	380	90-76	60	2100	77x44x57	159
3M65-200/22	30	380	90-76	62	2100	86x44x60	189

### USES AND INSTALLATIONS

3M pump is a kind of multifunctional product with a wide range of application. It could be used to convey various medium including water, industrial liquid with different flow rate and pressure.

**Water supply:** water transport in waterworks, boosting of main pipeline.

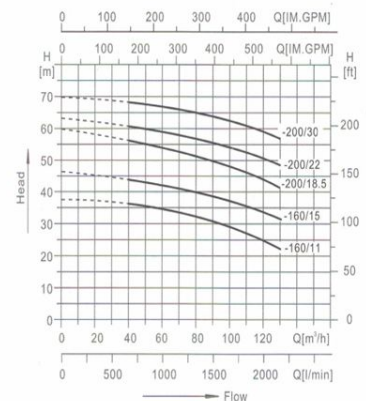
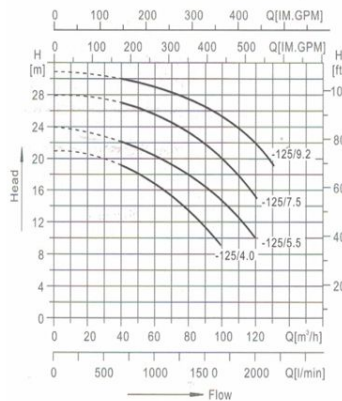
**Industrial boosting:** process water system, cleaning system, wine-brewing and food system.

**Industrial liquid transfer:** boiler feed, cooling and air-conditioning system, condensate system, weak acids and weak alkali.

**Water treatment:** water transfer, swimming pool system.

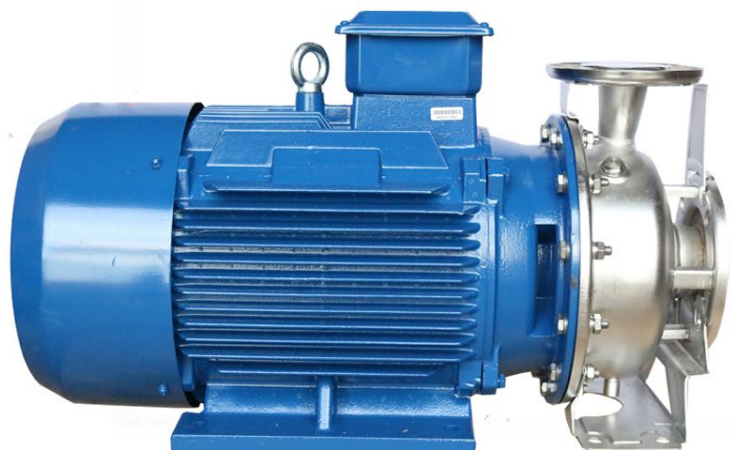
**Farmland irrigation, medical and health, petrochemical, quafarming, etc.**

### HYDRAULIC PERFORMANCE CURVES



### 3M-65

Impeller: stainless





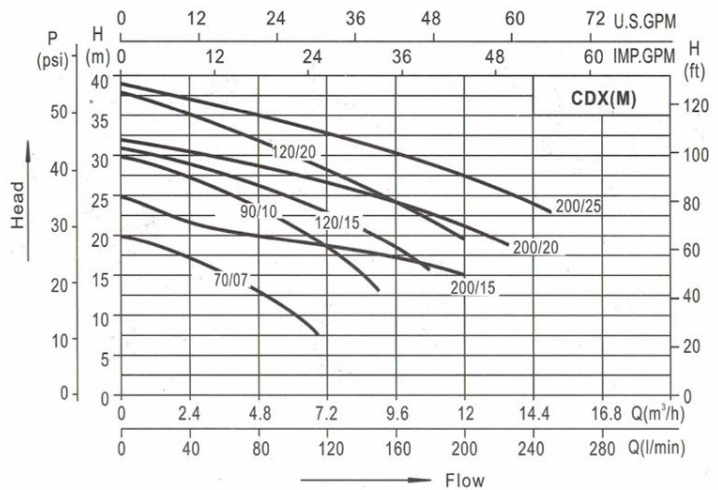
Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
CDXM70/07	0.5	220	42-34	20	110	37x25x27	11
CDX(M)90/10	1	220/380	42-34	30	150	37x24x27	12
CDX(M)120/15	1.2	220/380	42-34	31	180	40x24x27	15
CDX(M)120/20	2	220/380	42-34	38	200	46x27x30	15
CDX(M)200/15	1.5	220/380	49-34	25	200	40x24x27	15
CDX(M)200/20	2	220/380	49-34	32	225	40x25x27	16
CDX(M)200/25	2.5	220/380	49-34	39	250	42x27x31	25

### USES AND INSTALLATIONS

The overcurrent component is SUS304 material, Volute pump body adopts liquid bulging technology, compact and firm, Double impeller structure with high lift and high efficiency, Mechanical shaft seal, safe and reliable.

Apply to Circular cleaning system for industrial production lines in all fields, Home water system, booster unit, Agricultural and horticultural sprinkler irrigation, cooling tower.

### HYDRAULIC PERFORMANCE CURVES



### CDX-M Impeller: stainless



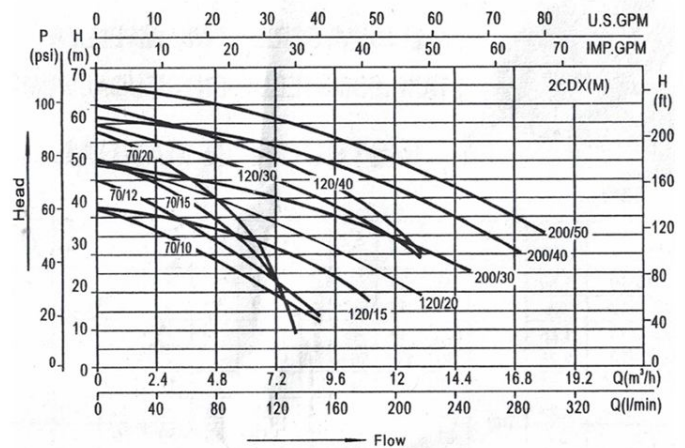
Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
2CDXM70/10	1	220	42-34	42	150	40x24x26	14
2CDX(M)120/20	2	220/380	42-34	54	215	43x24x28	20
2CDX200/30	3	380	49-34	55	250	45x27x31	25
2CDX200/40	4	380	49-34	67	280	49x27x31	27
2CDX200/50	5	380	49-34	76	300	51x27x32	35

### USES AND INSTALLATIONS

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### HYDRAULIC PERFORMANCE CURVES



### 2CDX-M

Impeller: stainless



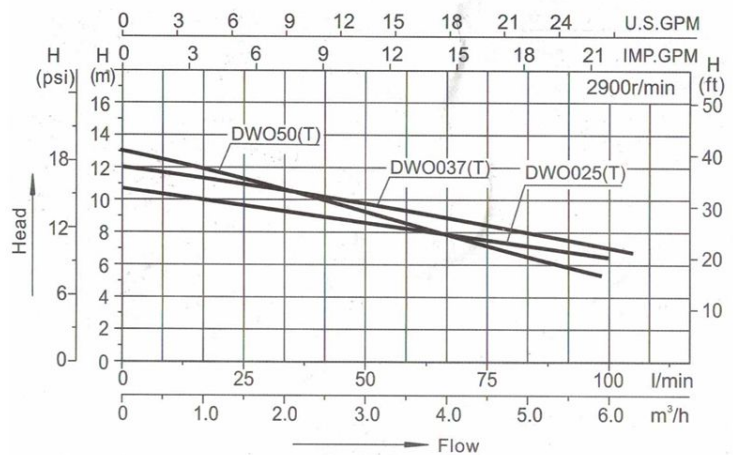
Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
DW0037	0.5	220	42-34	12	100	30x19x24	7
DW0037T	0.5	380	42-34	12	100	30x19x24	7

### USES AND INSTALLATIONS

DWO series Stainless Steel Centrifugal Pump adopt SUS304 (OCR18Ni9) stainless steel with advanced stamping & weld processing technology. They are feature elegant design, corrosive-resistance, high efficiency and high pressure etc.

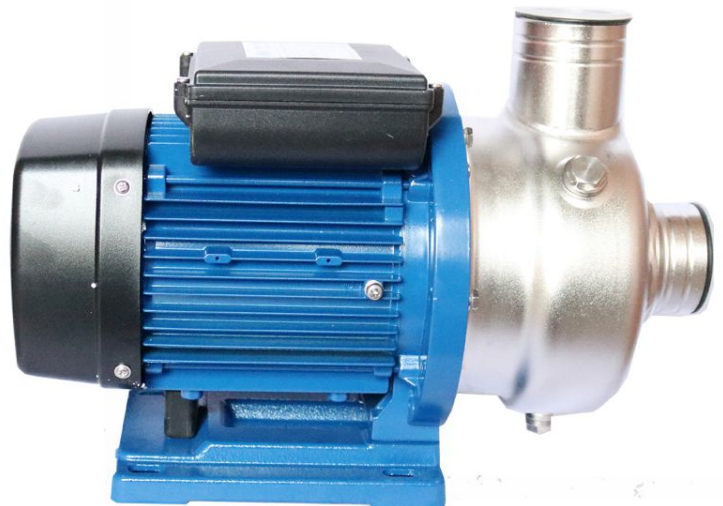
DWO series pump are wildly applicable for water supply, pure water feeding system and transfer liquids which are not explosive, flammable and not aggressive to SUS304. (Liquids temperature between: 4-60°C, specific weight  $\leq 1\text{g/cm}^3$ , working pressure  $\leq 0.3\text{Mpa}$ ).

### HYDRAULIC PERFORMANCE CURVES



### DW0037

Impeller: stainless



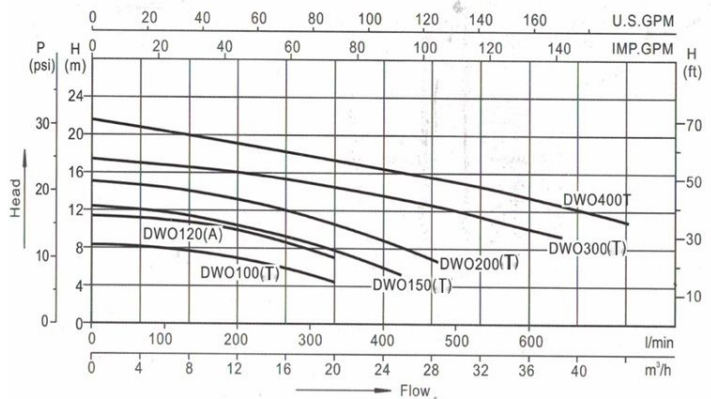
Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
DWO100 (T)	1	220/380	49-49	12	300	39x22x27	11
DWO150 (T)	1.5	220/380	60-60	12	415	43x26x32	16
DWO200 (T)	2	220/380	60-60	15	500	42x26x31	18
DWO300 (T)	3	220/380	76-60	17	630	47x25x31	22
DWO400T	4	380	76-60	21	730	49x26x32	25

### USES AND INSTALLATIONS

DWO series Stainless Steel Centrifugal Pump adopt SUS304 (OCR18Ni9) stainless steel with advanced stamping & weld processing technology. They are feature elegant design, corrosive-resistance, high efficiency and high pressure etc.

DWO series pump are wildly applicable for water supply, pure water feeding system and transfer liquids which are not explosive, flammable and not aggressive to SUS304. (Liquids temperature between: 4-60°C, specific weight  $\leq 1 \text{ g/cm}^3$ , working pressure  $\leq 0.3 \text{ Mpa}$ ).

### HYDRAULIC PERFORMANCE CURVES



### DWO(T)

Impeller: stainless



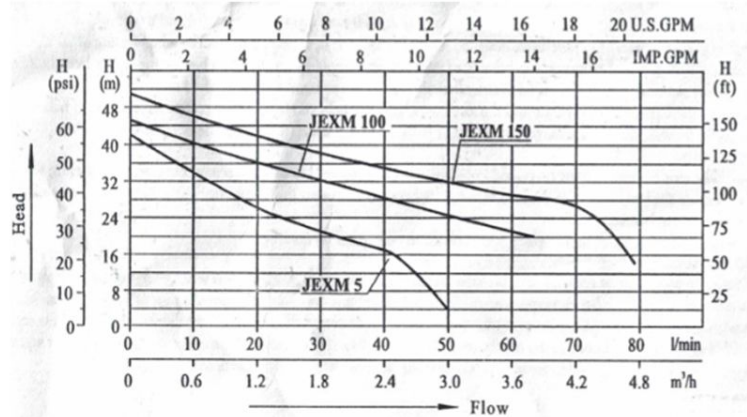
Model	Power HP	Voltage V	In/Outlet mm	H max m	Q max l/m	Demension (LxWxH) cm	Gross Weight kg
JEXM 5	0.5	220	34-34	34	50	39x20x23	7
JEXM 100	1	220	34-34	43	70	38x20x25	10
JEXM 150	1.3	220	34-34	50	80	45x23x27	12

### USES AND INSTALLATIONS

This manual has been conceived to offer the adequate information on the installation, operation and maintenance of our electro pumps. We suggest you read it thoroughly. These are centrifugal horizontal electro pumps with self-priming capacity and supplied with century system so to reach suction of up to 9 mts. Connect a foot valve and the pump will get an immediately self-priming. They have been designed to operate with clean water at a maximum temperature of 70°C.

Operating with any kind of water, other than that just described should be avoided. These pumps have been built with first quality materials which submitted to strict hydraulic and electric controls and verified thoroughly. Following these present instructions and the electrical chart, will help you to achieve a correct installation. If failure to do this could result in motor overcharge and any other consequences, which we wish to be relieved of.

### HYDRAULIC PERFORMANCE CURVES



JEXM

Impeller: stainless

