

CHSC/CHSI/CHCI

AISI 304 / 316

Stainless Horizontal Multi-Staged Centrifugal Pumps

不銹鋼臥式多段離心泵浦

50/60 Hz



 **LOWE**
PUMPEN

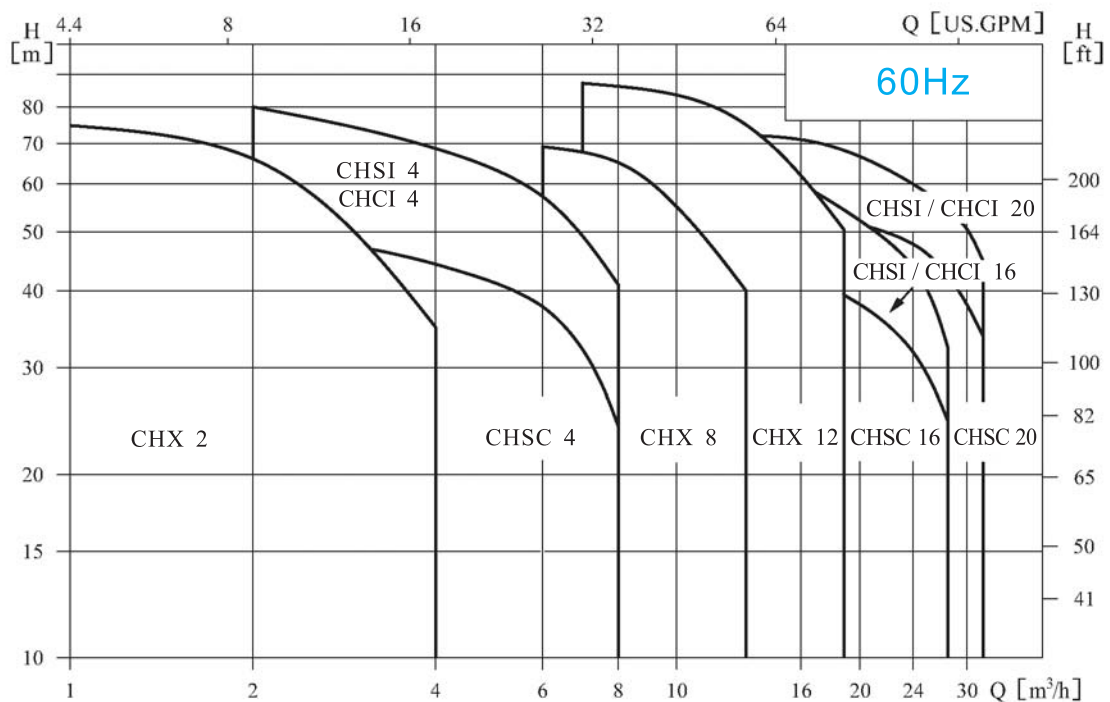
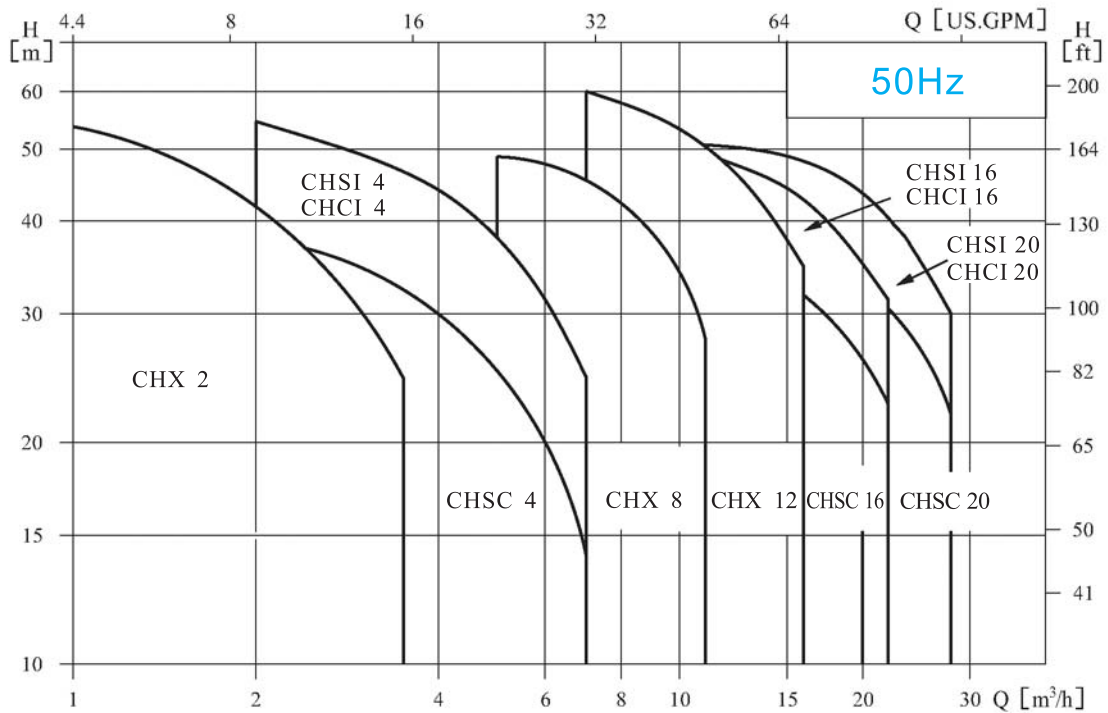
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Performance Range / 性能範圍



Product Applications

CH Series of LOWE pumps are the horizontal centrifugal pumps applicable to a wide variety of fields and liquids, as listed below.

■ Liquids Applicable

- City Water, Pure Water, RO Water, etc.
- Oils, Diesels, Heavy Oils, Light Oils, etc.
- Brine of EG (Ethelene Glycol) or PG (Propylene Glycol), Methanol Water, Ethanol Water, etc.
- Acids, Alkalis (Please Do Contact Lowe)
- Any kind of non-corrosive liquids without large and fibrous solids.

■ Fields Applicable

- Chilled Water, Cooling Water and Hot Water in Air Conditioning Systems.
- Pressure Booster for high-rise buildings, hotels, etc., and for industrial water or any kind of non-corrosive liquids supply.
- Water Lifting, Water Plumbing, Water Circulation, or any non-corrosive liquid circulation.
- Water Purification, Waste Water Treatment, Industrial Cleaning, Boiler Feed and Condensate System, etc.
- Agriculture Irrigations.

Product Descriptions

■ Pumps

- CH pump is a horizontal multi-staged, non-self-priming, centrifugal pump coupled with a one-pieced long shaft of electric motor.
- The pump size is very small due to the design of compact structure.
- The CH series has three types, ie., CHSC, CHSI, and CHCI.
- The Materials of Construction for each type are listed in the table on page number 4.

產品應用

LOWE CH系列是水平多段式離心泵，應用的場合與加壓輸送的液體範圍很廣泛，如下述。

■ 適用液體

- 自來水（市水）、純水、RO水……等
- 油、柴油、重油、輕油……等
- 乙二醇、丙二醇、甲醇水、乙醇水……等系列鹵水
- 酸液、鹼液（務請洽詢 Lowe）
- 任何非腐蝕性液體，但是不含大顆粒或繩狀固體

■ 應用場合

- 空調系統之冰水、熱水、冷卻水等
- 大樓、飯店、工業用水、或任何非腐蝕性液體之加壓輸送
- 揚水、給水、循環水或任何非腐蝕液之循環驅動輸送
- 純水製程、廢水處理、工業清洗、鍋爐給水或冷凝水系統之加壓輸送
- 農業灌溉

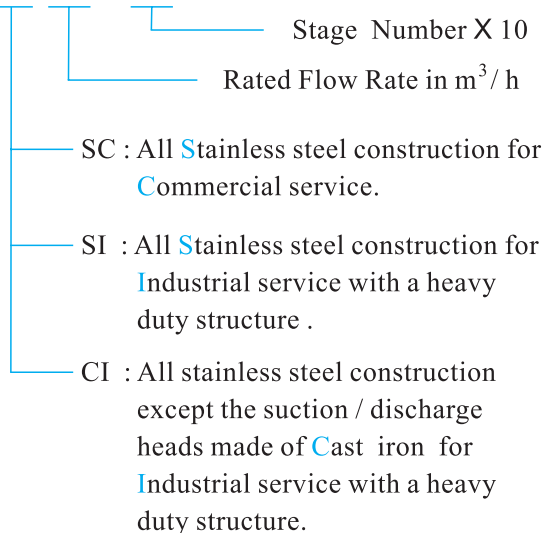
產品說明

■ 泵浦

- CH系列是同軸式水平多段離心泵，非自吸型。馬達與泵同軸，而且整支軸一體製成。
- 泵外型小巧堅固，歸功於結實精密的構造設計。
- CH系列有三種型式，即 CHSC, CHSI, 與 CHCI
- 各種型式的構造與材質分別列述於第4頁中的零件材質表

Definition of Model Number

CHX Y - Z



Example : CHSC 8-30 is a pump of CH series with all Stainless steel construction, rated flow rate of $8 \text{ m}^3/\text{h}$, stage number of 3, for Commercial service.

型號定義

葉輪段數 x 10
 額定流量率，單位為 m^3/h
 全不銹鋼商業用泵
 全不銹鋼重結構工業用泵
 不銹鋼重結構工業用泵，
 只有入 / 出水段殼為鑄鐵

例：CHSC 8-30為CH系列之全不銹鋼商業用泵，額定流量 $8 \text{ m}^3/\text{h}$ ，三段葉輪。

Motors

- 2 poles of TEFC Motor with Aluminum Enclosure.
- Protection Class IP55
- Insulation Class F
- Standard Voltage @ 50Hz : $1\phi \times 220\text{V}$
 $3\phi \times 220 / 380\text{V}$, $\pm 10\%$
- Standard Voltage @ 60Hz : $1\phi \times 110 / 220\text{V}$
 $3\phi \times 220 / 380 \sim 480\text{V}$, $\pm 10\%$
- Single phase motor up to 2.4 kW

Operation Conditions

- Liquid Temperature :
 Standard : $-15^\circ\text{C} \sim +70^\circ\text{C}$
 Optional : $-15^\circ\text{C} \sim +110^\circ\text{C}$
- Max. Ambient Temperature : 40°C
- Max. Operation Pressure : 10 bar
- Max. Inlet Pressure is limited by Max. Operation Pressure

馬達

- 2極馬達，全密閉外扇冷卻型，全鋁合金外殼
- 防護等級 IP55
- 絕緣等級 F
- 50Hz 適用電壓： $1\phi \times 220\text{V}$
 $3\phi \times 220 / 380\text{V}$ ， $\pm 10\%$
- 60Hz 適用電壓： $1\phi \times 110 / 220\text{V}$ ， $3\phi \times 220 / 380 \sim 480\text{V}$ ， $\pm 10\%$
- 單相馬達最大馬力高達2.4 kW

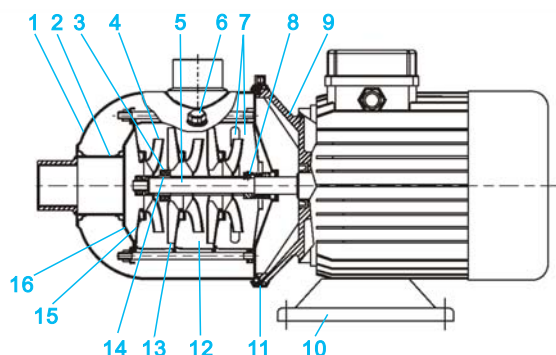
運轉條件

- 液體溫度：
 標準： $-15^\circ\text{C} \sim +70^\circ\text{C}$
 可選： $-15^\circ\text{C} \sim +110^\circ\text{C}$
- 最高周圍溫度： 40°C
- 最高運轉壓力：10 bar
- 最高入水壓力受限於最高運轉壓力

50/60 Hz

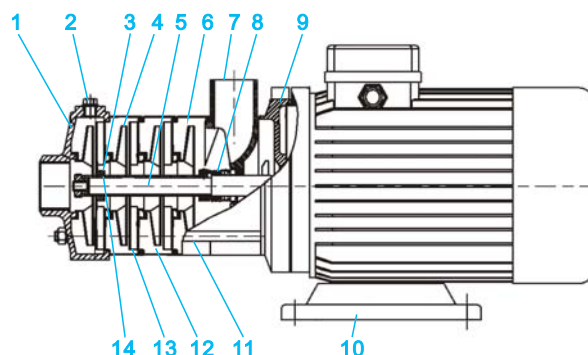
Materials of Construction / 構造與材質

CHSC



1	Inlet and Outlet Chamber 入水/出水導流室	Stainless Steel 不銹鋼	AISI 304*
2	Inflow Tube 流入管	Stainless Steel 不銹鋼	AISI 304*
3	Journal Bearing 頸軸承	Tungsten Carbide 碳化鎢	
4	Impeller 葉輪	Stainless Steel 不銹鋼	AISI 304*
5	Spline Shaft 栓槽軸	Stainless Steel 不銹鋼	AISI 304*
6	Plug 塞頭	Stainless Steel 不銹鋼	AISI 304*
7	Discharge Chamber & Ports 出水孔與導流室	Stainless Steel 不銹鋼	AISI 304*
8	Mechanical Seal** 機械軸封	Materials & Codes** are shown on page 5 / 材質與代碼詳第5頁	
9	Motor End Cover 馬達端蓋	Aluminum Alloy 鋁合金	
10	Base Plate 底座	Cast Iron 鑄鐵	ASTM 25B
11	Quick Joint 快速接頭	Stainless Steel 不銹鋼	AISI 304*
12	Inter-Chamber 中段導流室	Stainless Steel 不銹鋼	AISI 304*
13	Guide Vanes 導葉輪	Stainless Steel 不銹鋼	AISI 304*
14	Journal Ring 軸頸環	Tungsten Carbide 碳化鎢	
15	Inducer 導流器	Stainless Steel 不銹鋼	AISI 304*
16	Clamp Plate 壓板	Stainless Steel 不銹鋼	AISI 304*

CHSI / CHCI



2	Plug 塞頭	Stainless Steel 不銹鋼	AISI 304*
3	Journal Bearing 頸軸承	Tungsten Carbide 碳化鎢	
4	Impeller 葉輪	Stainless Steel 不銹鋼	AISI 304*
5	Spline Shaft 栓槽軸	Stainless Steel 不銹鋼	AISI 304*
6	Discharge Chamber 出水導流室	Stainless Steel 不銹鋼	AISI 304*
8	Mechanical Seal** 機械軸封	Materials & Codes** are shown on page 5 / 材質與代碼詳第5頁	
9	Motor End Cover 馬達端蓋	Aluminum Alloy 鋁合金	
10	Base Plate 底座	Cast Iron 鑄鐵	ASTM25B
11	Tie Stud 鎖緊螺樁	Stainless Steel 不銹鋼	AISI 304*
12	Inter-Chamber 中段導流室	Stainless Steel 不銹鋼	AISI 304*
13	Guide Vanes 導葉輪	Stainless Steel 不銹鋼	AISI 304*
14	Journal Ring 軸頸環	Tungsten Carbide 碳化鎢	
CHSI			
1	Suction Head 入水段殼	Stainless Steel 不銹鋼	AISI 304*
7	Discharge Head 出水段殼	Stainless Steel 不銹鋼	AISI 304*
CHCI			
1	Suction Head 入水段殼	Cast Iron 鑄鐵	ASTM25B
7	Discharge Head 出水段殼	Cast Iron 鑄鐵	ASTM25B

* AISI 316 is optional instead of AISI 304

** Materials & Codes of Mechanical Seals / 機械軸封材質與代碼

Codes / 代碼	SGV4	SGV6	SSV4	SSV6
Stationary Ring 靜環材質	Silicon Carbide 碳化矽	Silicon Carbide 碳化矽	Silicon Carbide 碳化矽	Silicon Carbide 碳化矽
Rotating Ring 動環材質	Graphite 石墨	Graphite 石墨	Silicon Carbide 碳化矽	Silicon Carbide 碳化矽
Rubber / Metal 橡膠 / 金屬	Viton / AISI 304	Viton / AISI 316	Viton / AISI 304	Viton / AISI 316

Definition of Terminologies & Symbols / 專有名詞定義與符號

About Pumps / 關於泵

$$\bullet H = \text{Pump Head (泵揚程)} = \left(\frac{P_d}{\gamma} + \frac{V_d^2}{2g} + Z_d \right) - \left(\frac{P_s}{\gamma} + \frac{V_s^2}{2g} + Z_s \right)$$

where the subscripts d & s refer to the discharge & suction of the pump (d & s 分別表示泵的出&入水), and

P = Pressure (壓力), V = Velocity (速度), Z = Elevation (高度) above any arbitrary datum plane,
 γ = Specific Weight (比重量) of the liquid pumped, g = Acceleration of gravity (重力加速度)

$\frac{P}{\gamma}$ = Pressure Head (壓力頭), $\frac{V^2}{2g}$ = Velocity Head (速度頭), Z = Elevation Head (高度頭)

The elevation head and velocity head of discharge and suction can be canceled out each other because they are usually equal or little different in practice. (出水與入水的速度頭或高度頭經常相等, 或相差極小。

因此上式可簡化如右式) Hence
$$H = \frac{P_d - P_s}{\gamma}$$

• $P_3 = \text{WHP} = \text{Water Horse Power (水馬力)}$ of pump = γQH , is the mechanical power delivered to the water by the pump. (水馬力是泵輸出的機械功率—輸出給該泵所驅動的液體)

• $P_2 = \text{BHP} = \text{Brake Horse Power (制動馬力)}$, is the power delivered to the shaft of the pump by a driver, eg., motor. (制動馬力是泵的驅動器—例如馬達—從泵軸輸入給泵的機械功率)

• Eta of Pump = η_p = Pump Efficiency (泵效率) = $\frac{\text{WHP}}{\text{BHP}}$, and hence $\text{BHP} = \frac{\text{WHP}}{\eta_p} = \frac{\gamma QH}{\eta_p}$

• $P_2 = \text{BHP} = \frac{9.81 QH}{3600 \eta_p}$ for the unit of Q in m^3/h , H in m, and BHP in kW.

$P_2 = \text{BHP} = \frac{QH}{3960 \eta_p}$ for the unit of Q in US.GPM, H in ft, and BHP in hp.

About Motors / 關於馬達

• $P_1 = \text{AEP} = \text{Actual Electric Power (實在功率)}$ consumed by the motor of a pump

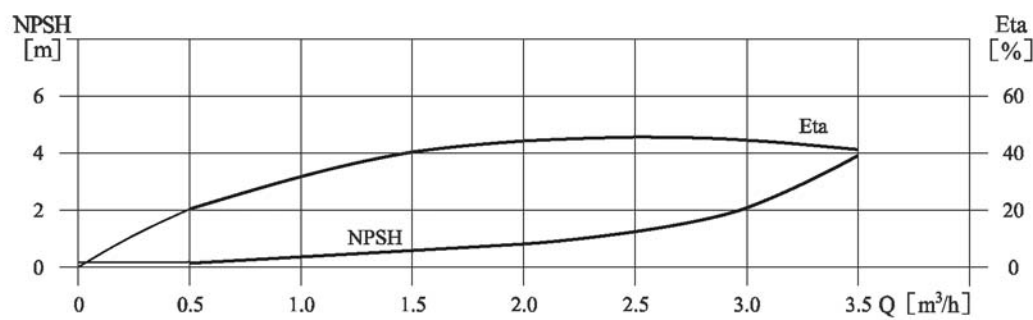
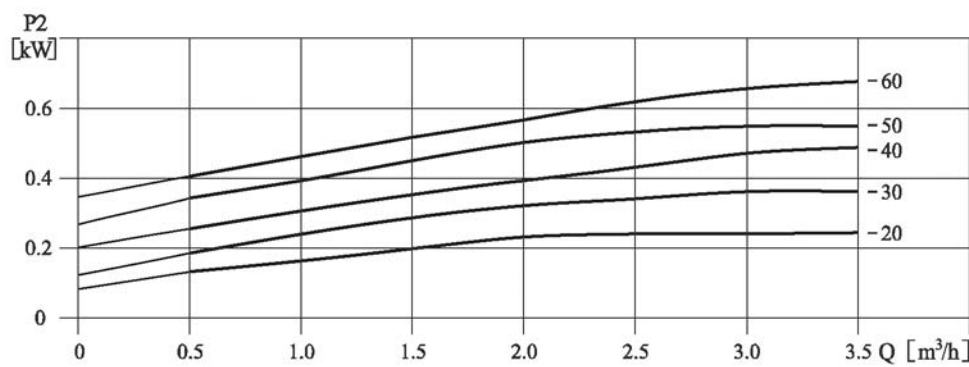
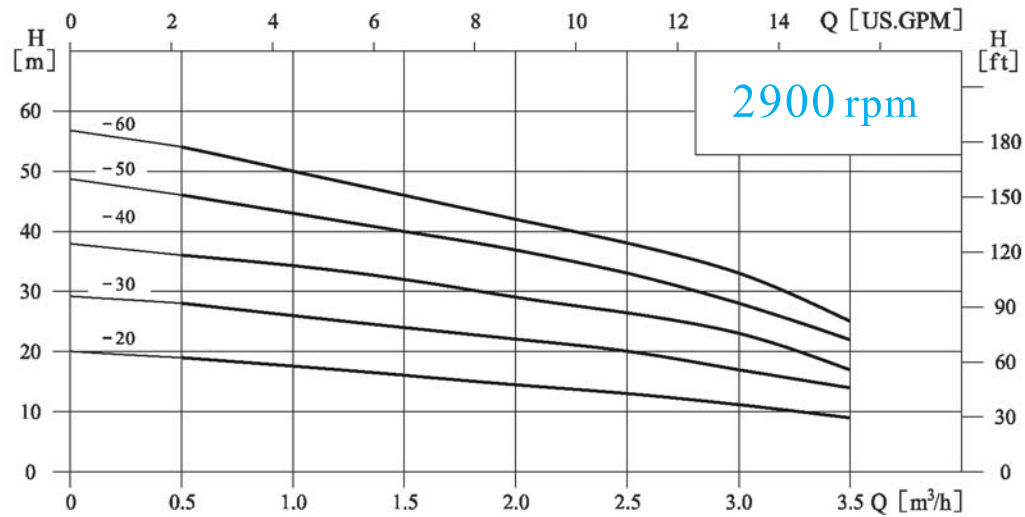
$P_1 = \text{AEP} = VI \cos \phi$ for a single-phased motor, symbolized 1 ϕ (單相馬達, 符號1 ϕ)

$P_1 = \text{AEP} = \sqrt{3} VI \cos \phi$ for a three-phased motor, symbolized 3 ϕ (三相馬達, 符號3 ϕ)

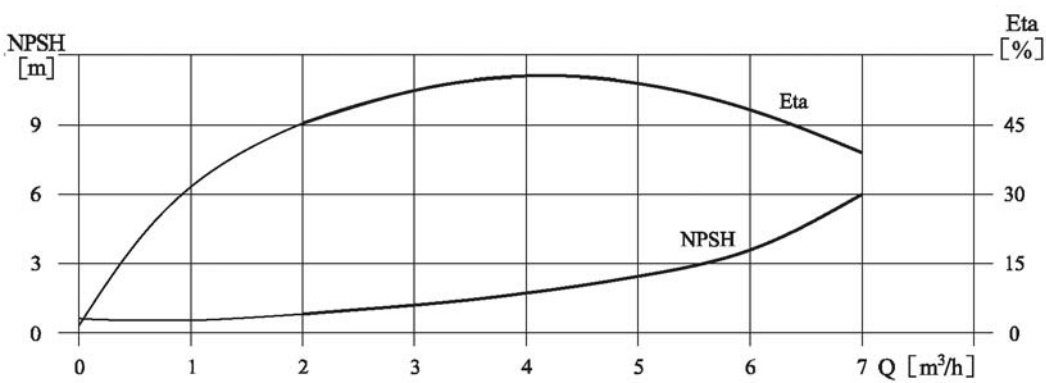
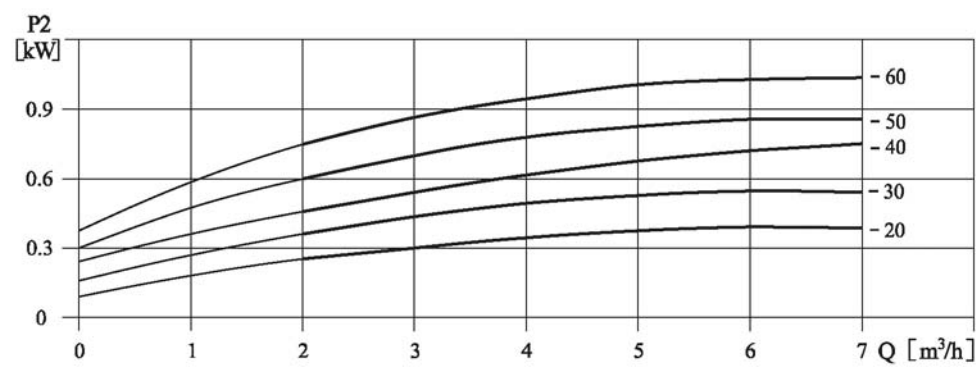
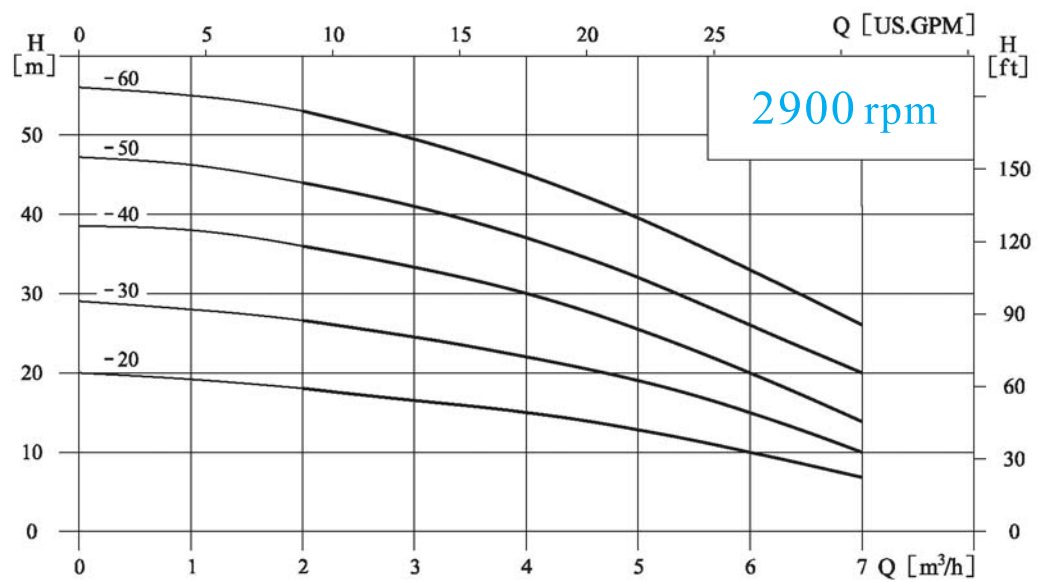
where V and I are the rms values of the line voltage and line current of the motor respectively, $\cos \phi$ is the power factor of the motor, ϕ is the phase angle difference between the phase voltage and phase current of the motor. (上式中的V與I分別是馬達線電壓與線電流的均方根值, $\cos \phi$ 是馬達的功率因數)

• $P_1 = \frac{\text{BHP}}{\eta_m}$, where η_m = Eta of Motor = Motor Efficiency (馬達效率)

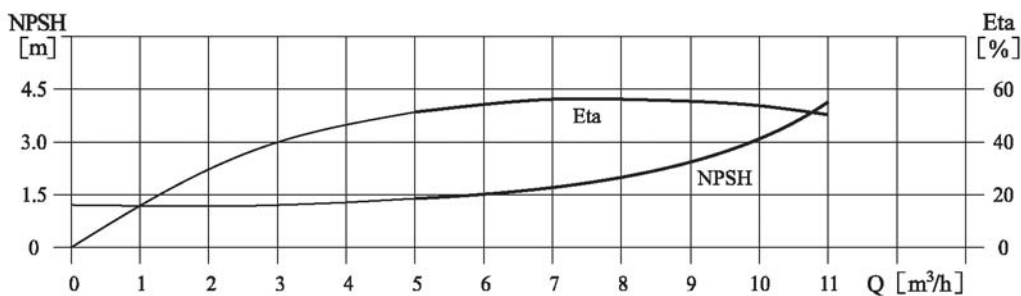
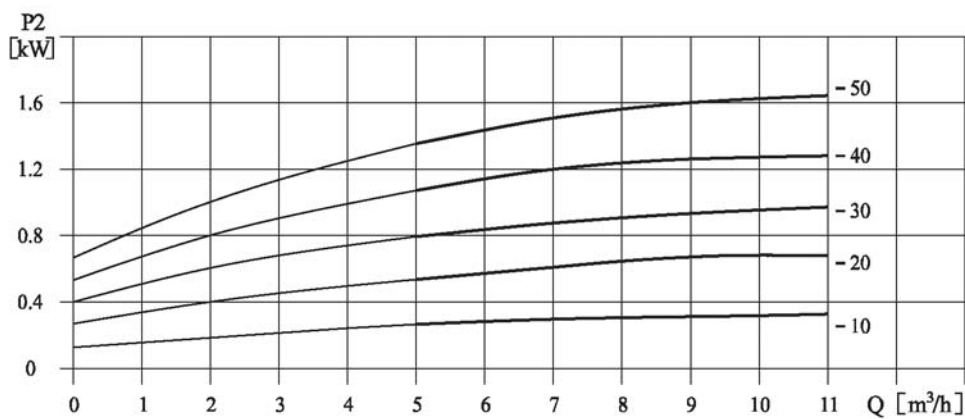
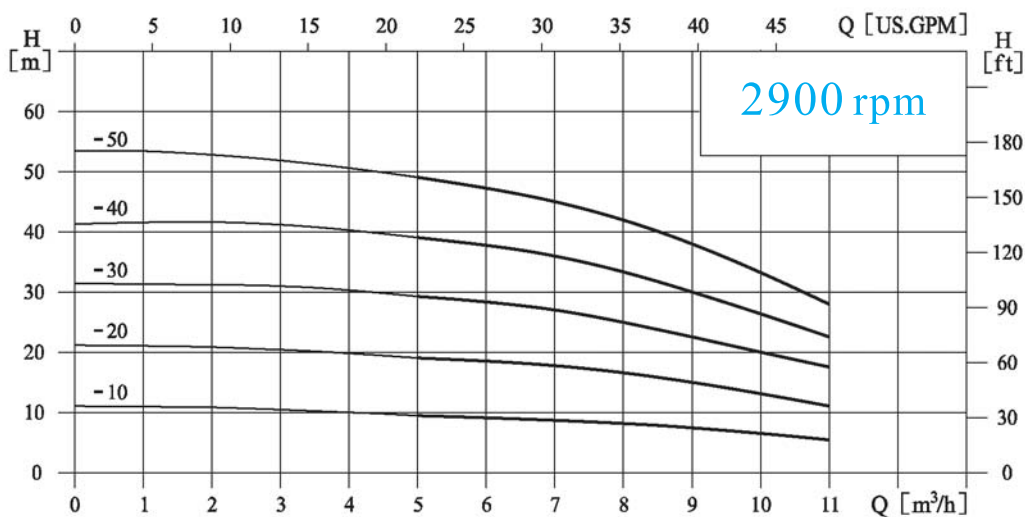
Performance Curves / 性能曲線



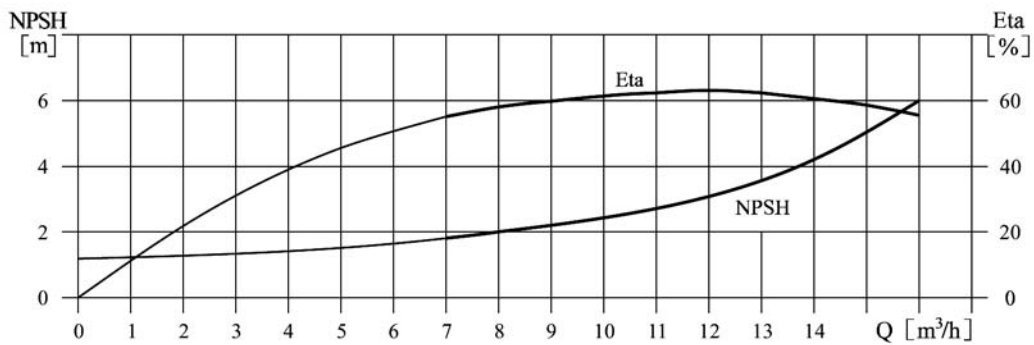
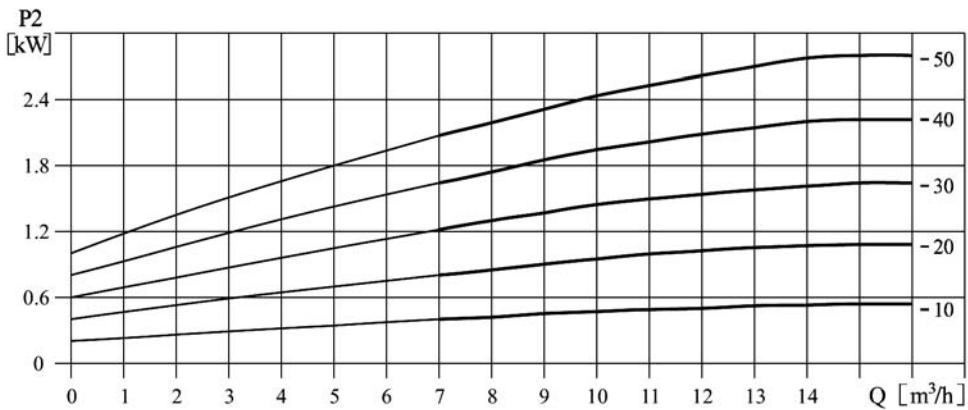
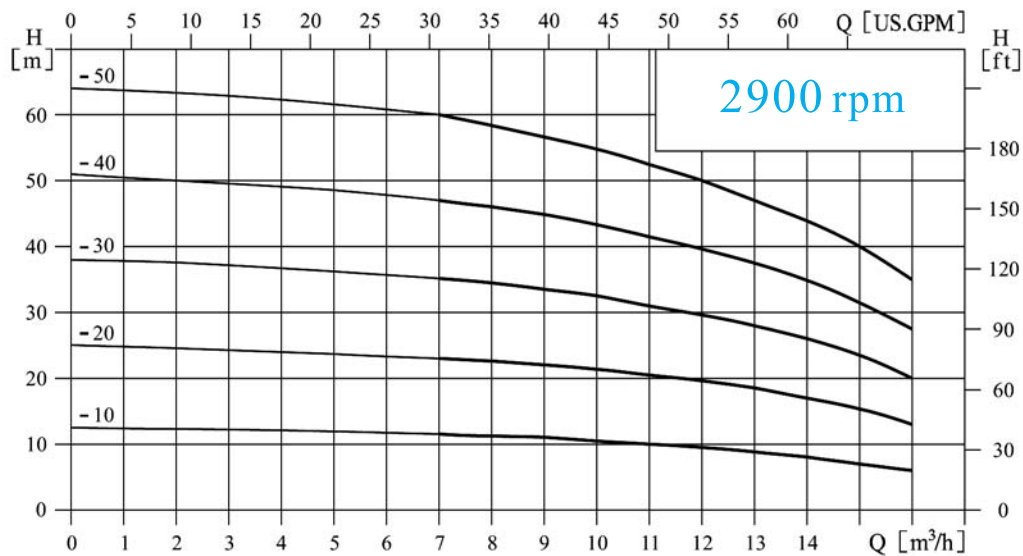
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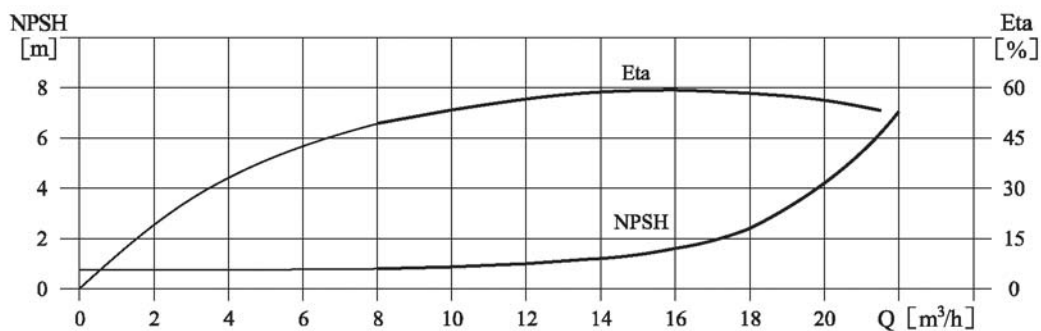
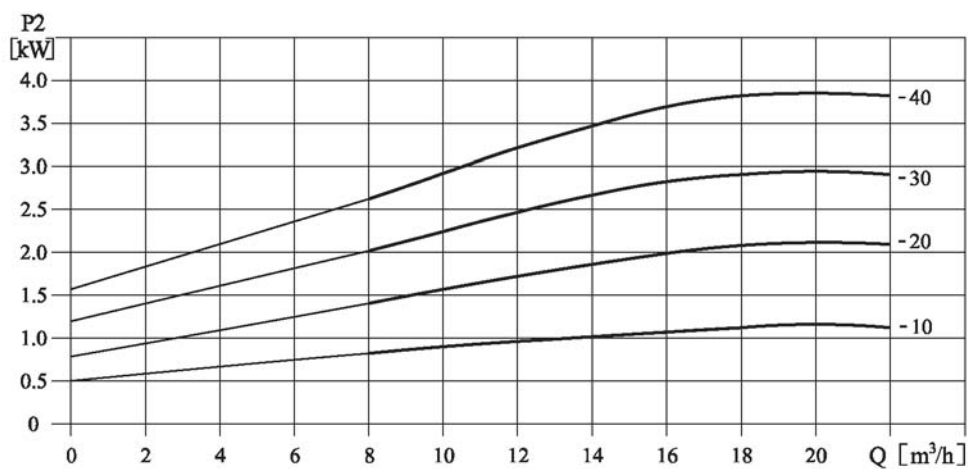
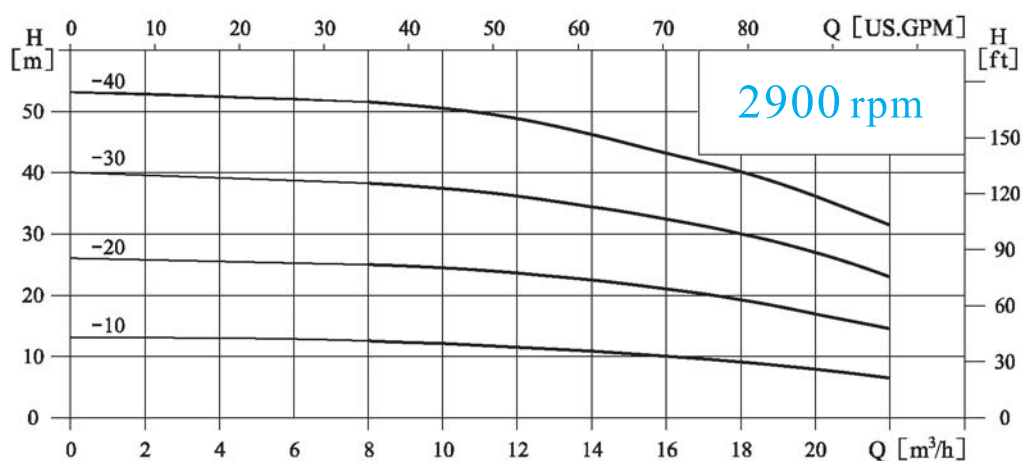
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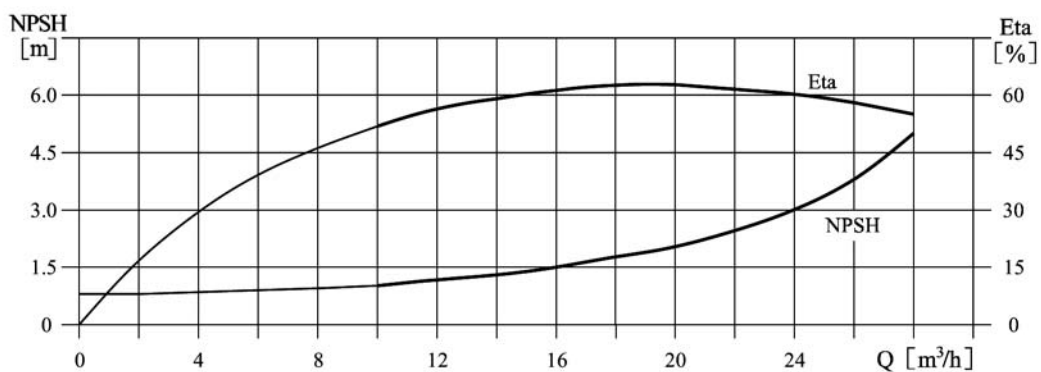
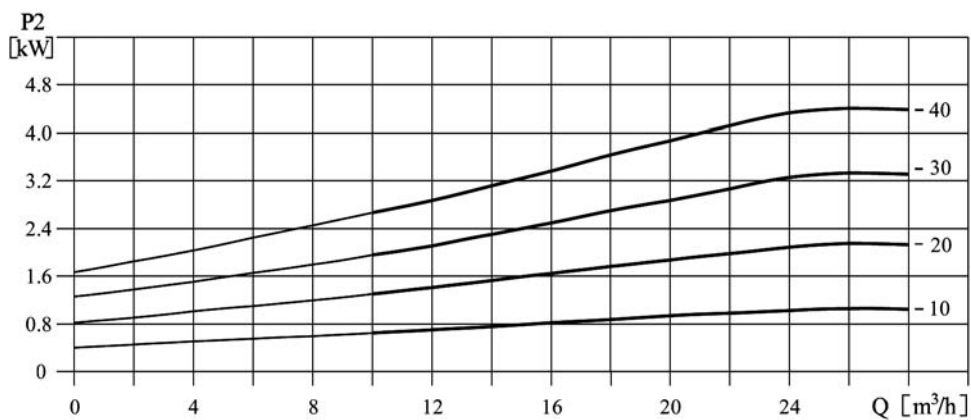
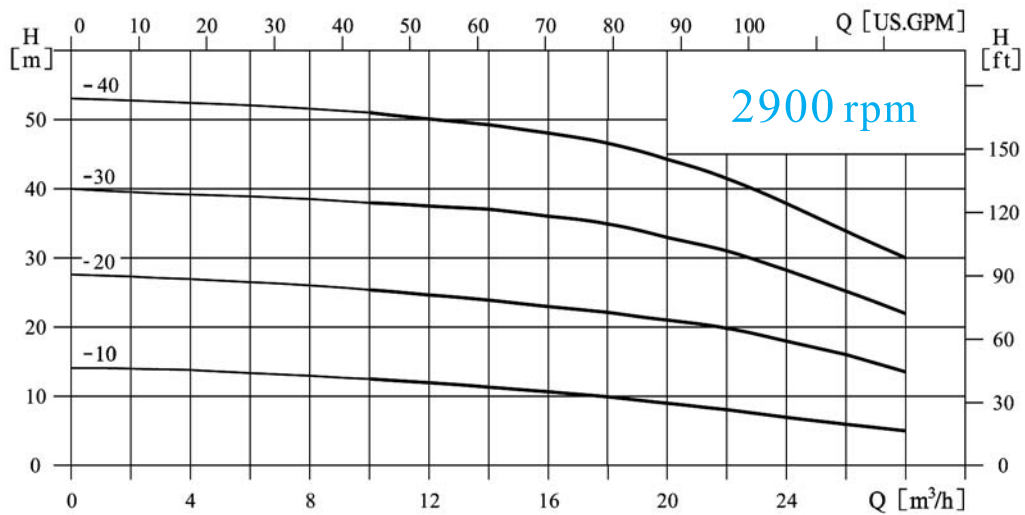
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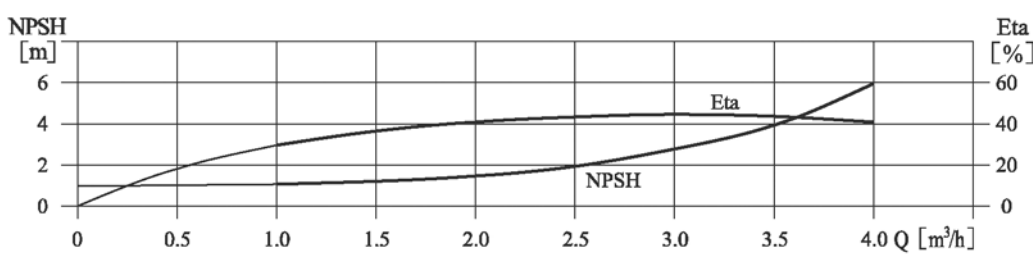
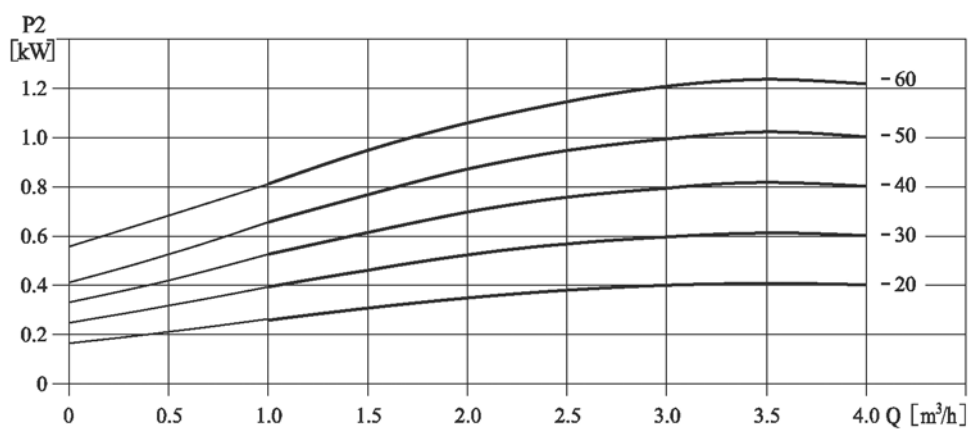
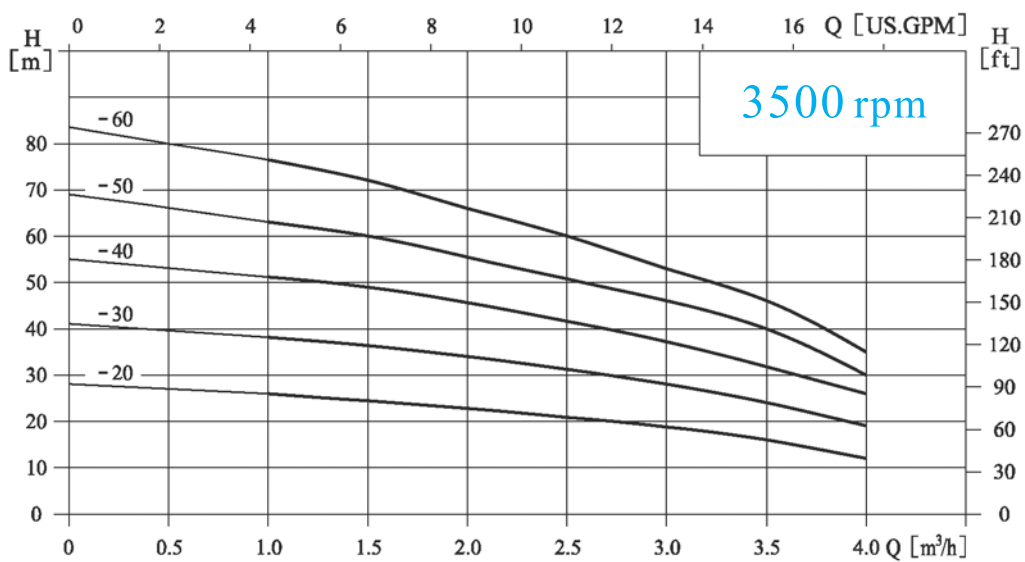
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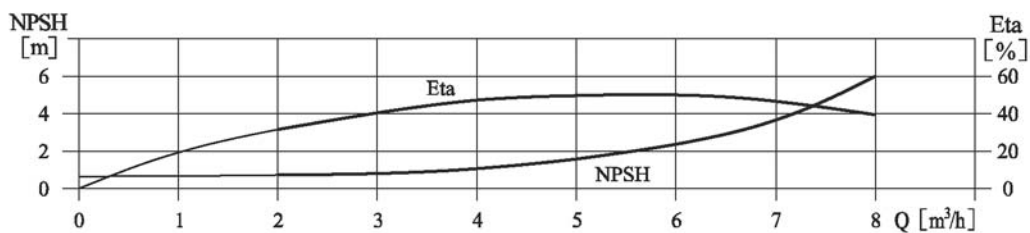
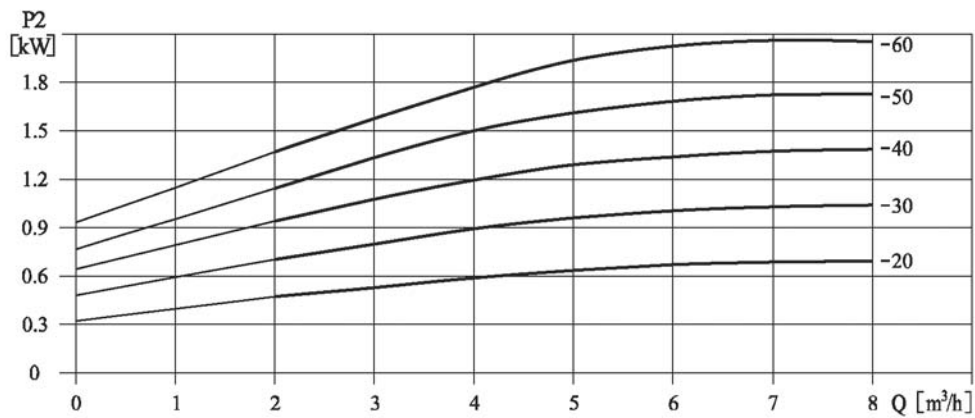
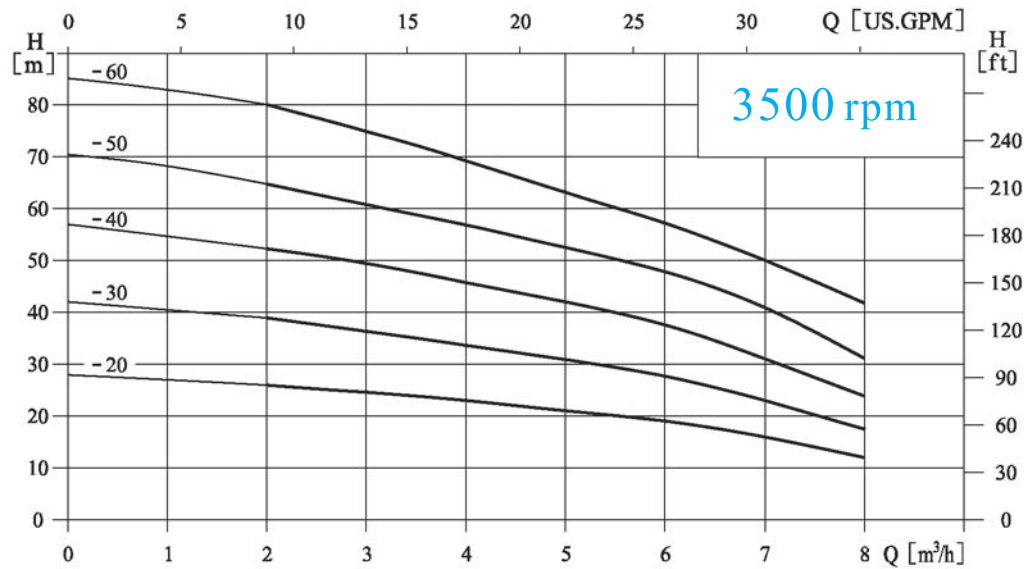
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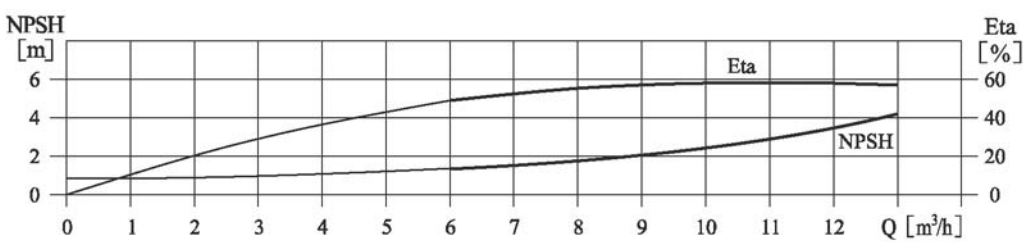
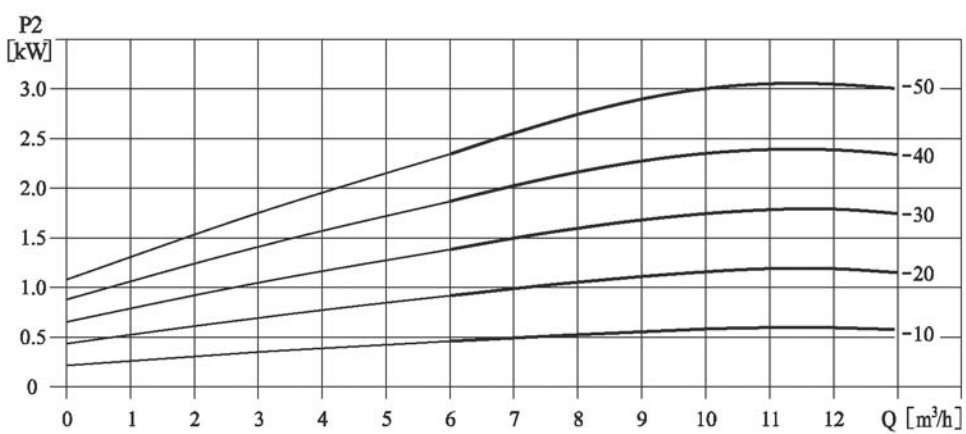
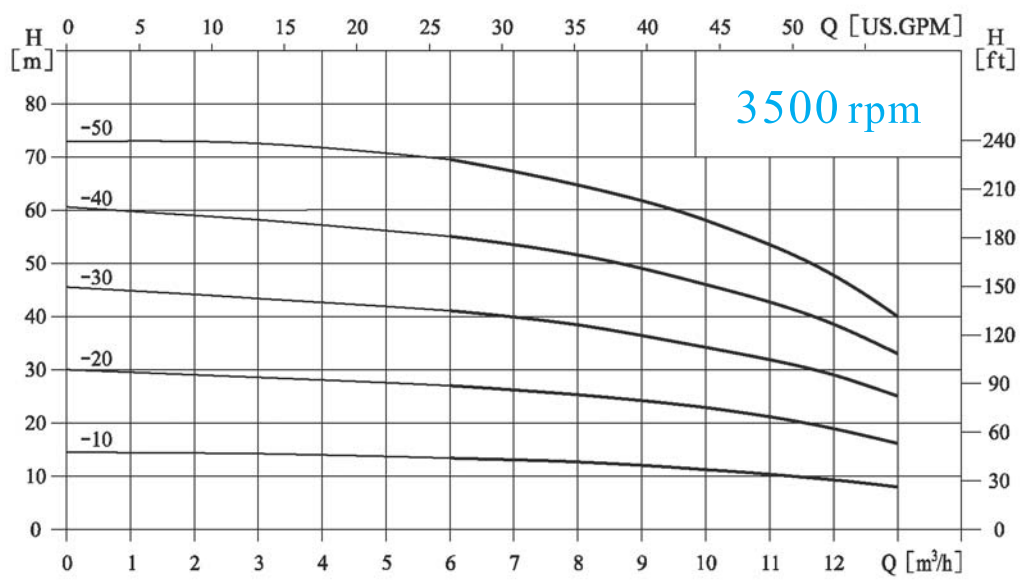
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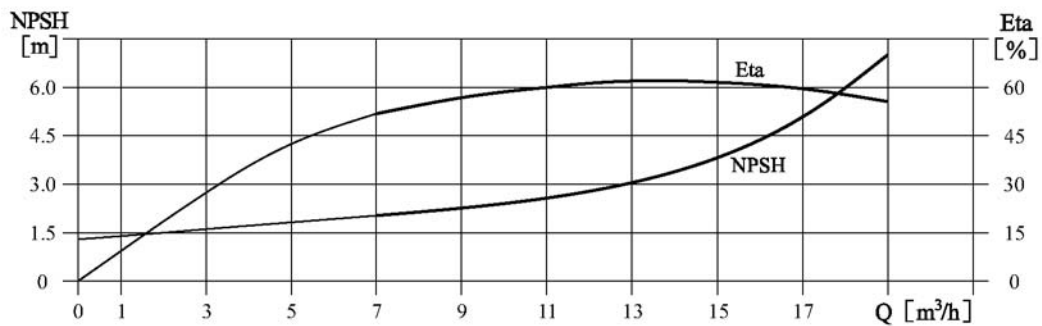
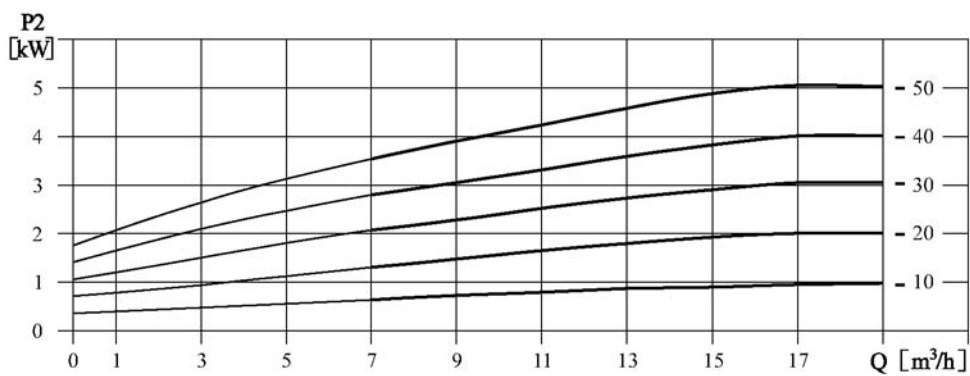
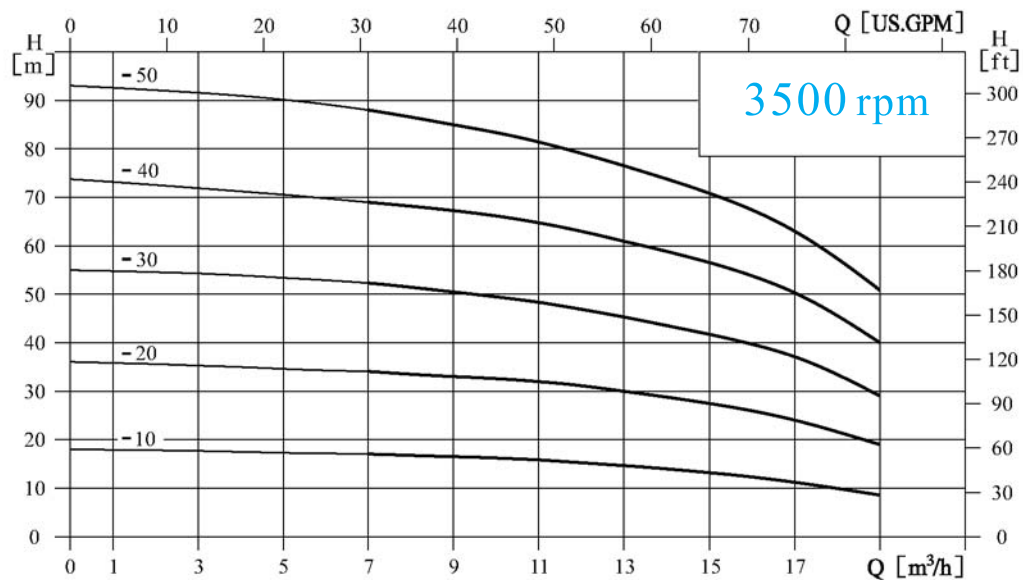
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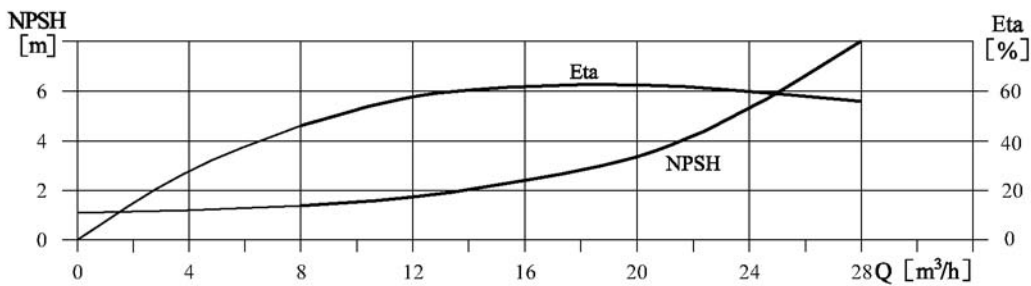
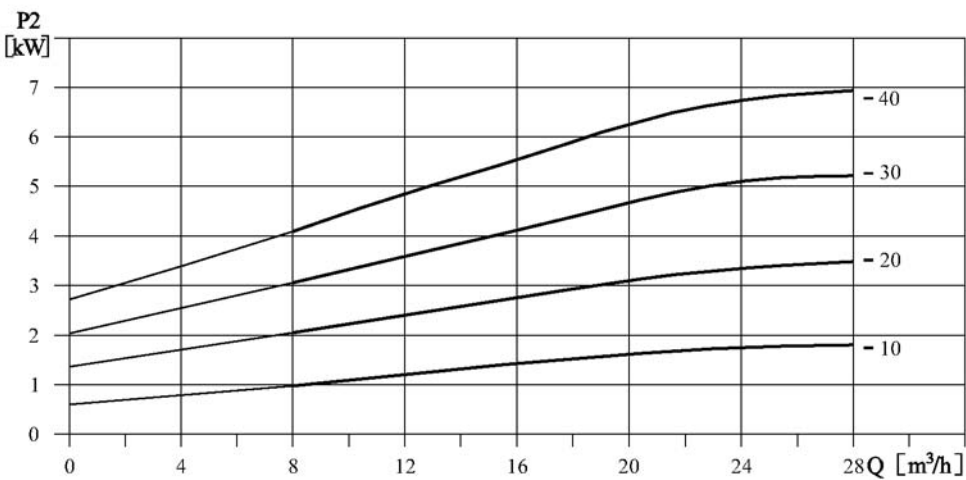
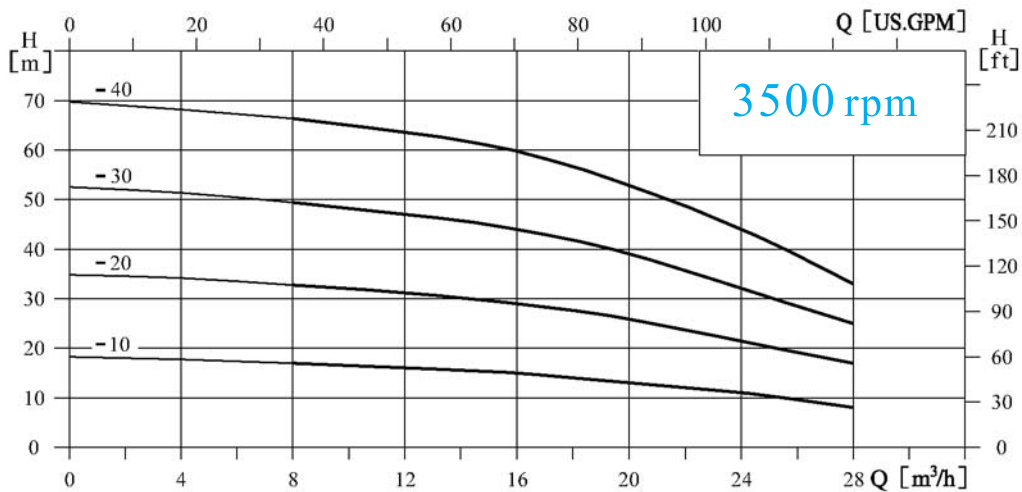
Performance Curves / 性能曲線



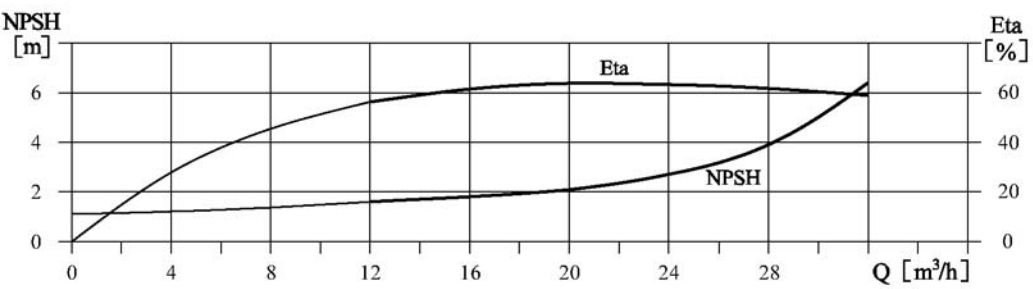
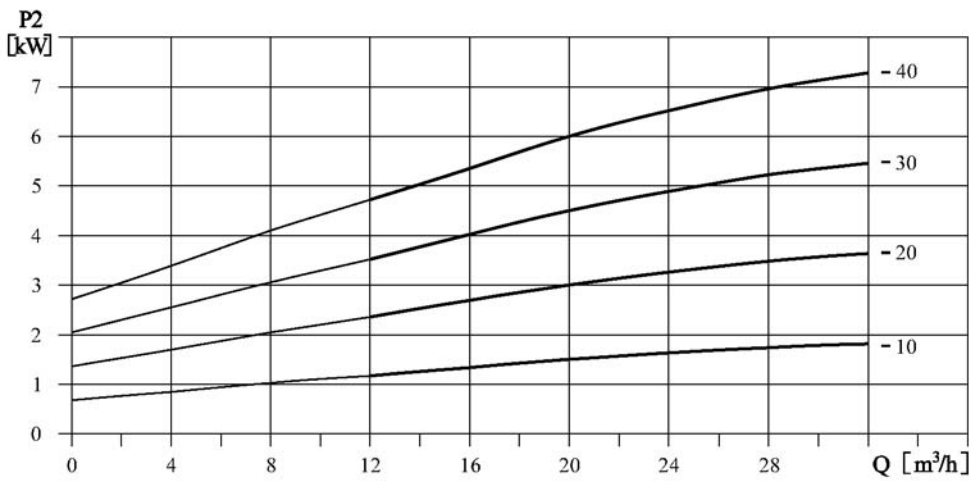
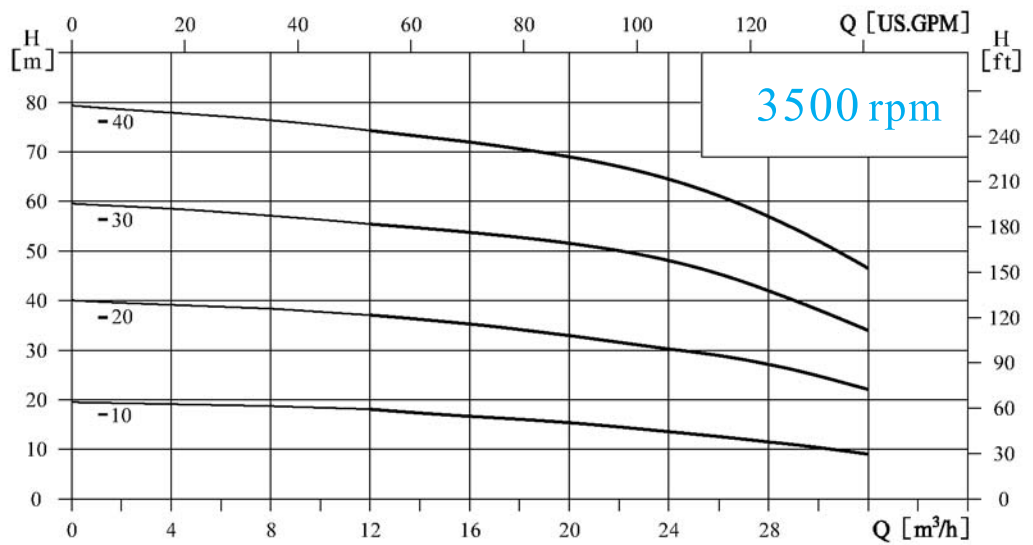
Performance Curves / 性能曲線



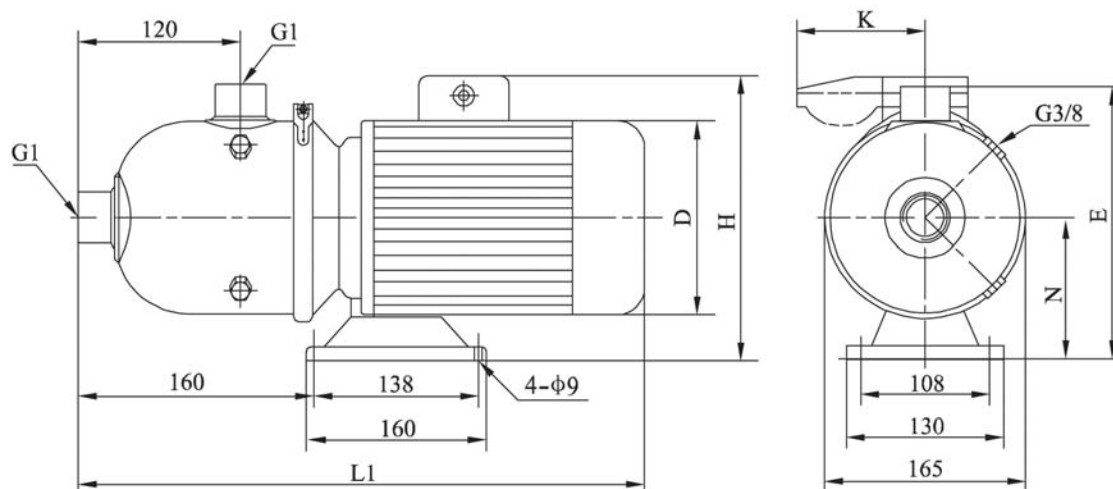
Performance Curves / 性能曲線



Performance Curves / 性能曲線



Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

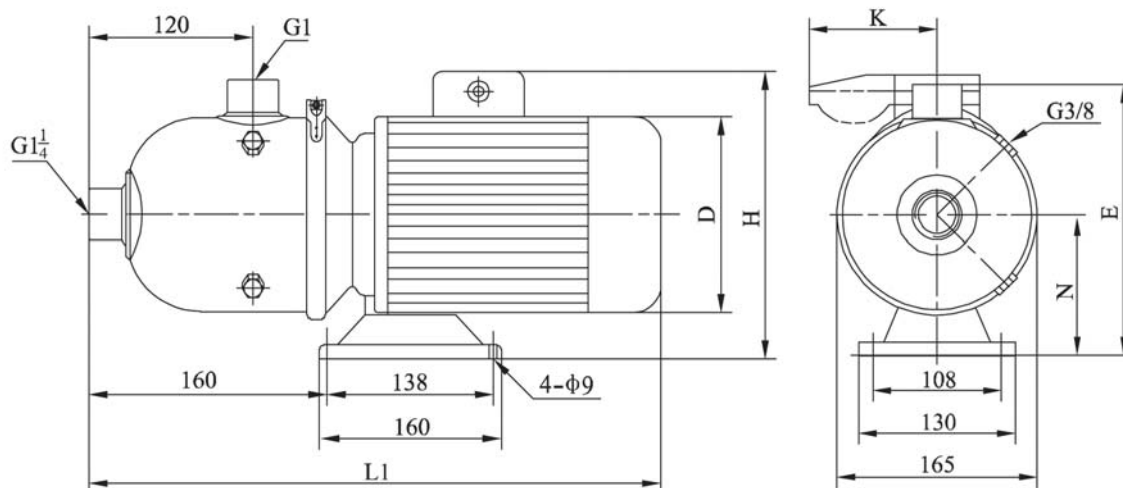
Model / 型號	Motor / 馬達		L1	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW							
CHSC 2-20	0.5	0.37	400	215/230	145	110	215	96	11
CHSC 2-30	0.75	0.55	400	215/230	145	110	215	96	12
CHSC 2-40	0.75	0.55	400	215/230	145	110	215	96	12
CHSC 2-50	0.75	0.55	400	215/230	145	110	215	96	12
CHSC 2-60	1	0.75	445	225/245	170	110	215	100	14

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW							
CHSC 2-20	0.75	0.55	400	215/230	145	110	210	96	11
CHSC 2-30	1	0.75	420	220/245	160	110	210	100	12
CHSC 2-40	1.5	1.1	420	230/245	170	110	210	100	14
CHSC 2-50	1.5	1.1	420	230/245	170	110	210	100	14
CHSC 2-60	2	1.5	470	240/260	170	118	218	100	19

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

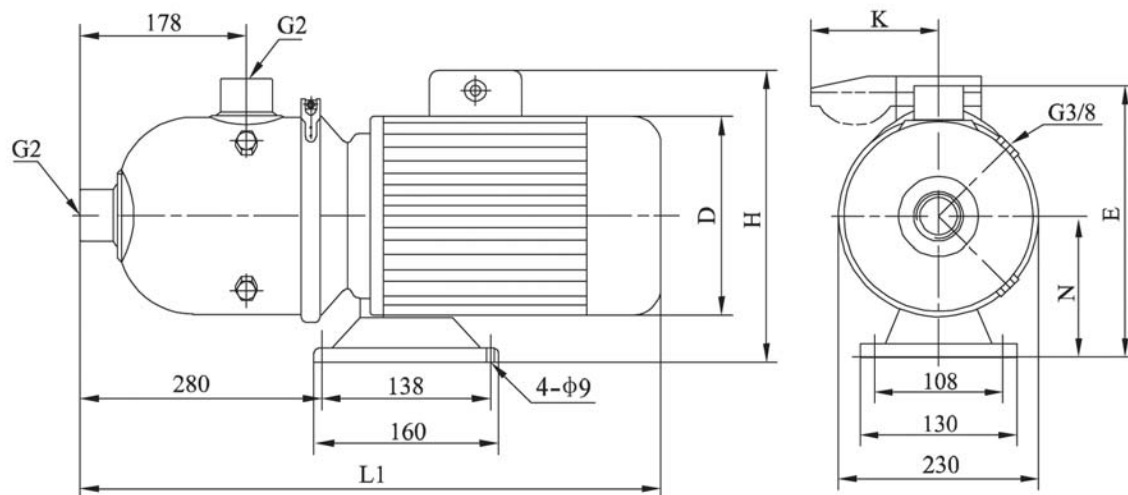
Model / 型號	Motor / 馬達		L1	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW							
CHSC 4-20	0.75	0.55	400	215/230	145	110	215	96	12
CHSC 4-30	1	0.75	445	225/245	170	110	215	100	14
CHSC 4-40	1	0.75	445	225/245	170	110	215	100	14

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW							
CHSC 4-20	1	0.75	420	230/245	160	110	210	100	12
CHSC 4-30	1.5	1.1	420	230/245	170	110	210	100	14
CHSC 4-40	2	1.5	470	240/260	170	118	228	100	19

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

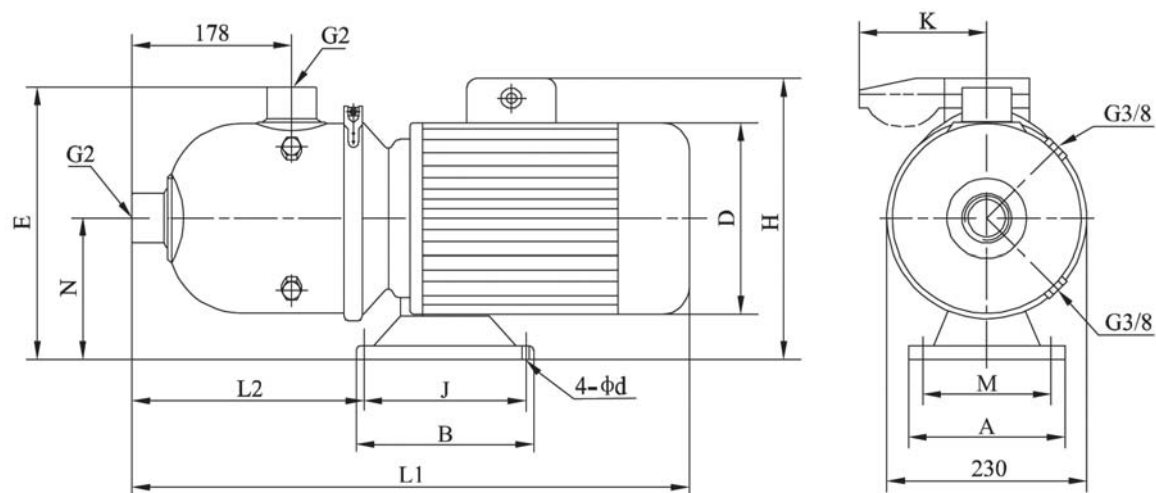
Model / 型號	Motor / 馬達		L1	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW							
CHSC 8-10	1	0.75	560	230/265	170	118	268	100	19
CHSC 8-20	1	0.75	560	230/265	170	118	268	100	19
CHSC 8-30	1.5	1.1	560	230/265	170	118	268	100	23
CHSC 8-40	2	1.5	580	240/270	180	118	268	100	23
CHSC 8-50	3	2.2	580	240/270	180	118	268	100	28

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW							
CHSC 8-10	1	0.75	560	230/265	160	117	263	100	19
CHSC 8-20	2	1.5	580	230/270	170	118	264	100	23
CHSC 8-30	3	2.2	580	230/270	180	118	264	100	23
CHSC 8-40	4	3	610	270/	195	128	274		28
CHSC 8-50	4	3	610	270/	195	128	274		28

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

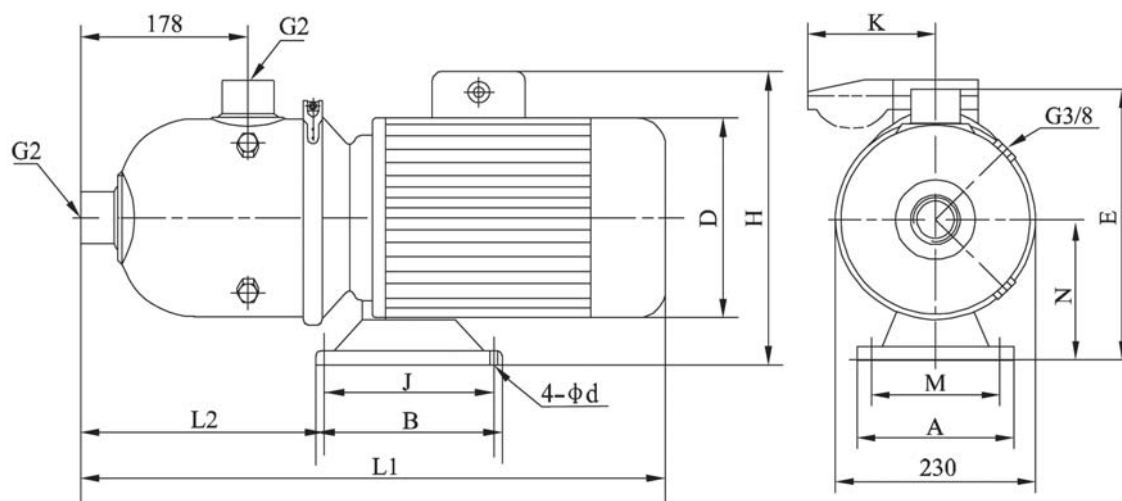
Model / 型號	Motor / 馬達		L1	L2	H 3 ϕ / 1 ϕ	D	N	E	A	M	B	J	d	K 1 ϕ	kg 重量
	hp	kW													
CHSC 12-10	1	0.75	560	280	230/265	170	118	268	130	108	160	138	9	100	19
CHSC 12-20	1.6	1.2	560	280	230/265	170	118	268	130	108	160	138	9	100	20
CHSC 12-30	2.4	1.8	580	280	240/270	180	118	268	130	108	160	138	9	100	24
CHSC 12-40	3.3	2.4	580	280	240/270	180	118	268	130	108	160	138	9	100	27
CHSC 12-50	4	3	610	270	270/	195	126	276	130	108	160	138	9		32

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	H 3 ϕ / 1 ϕ	D	N	E	A	M	B	J	d	K 1 ϕ	kg 重量
	hp	kW													
CHSC 12-10	1.5	1.1	560	280	230/265	180	118	268	130	108	160	138	9	100	21
CHSC 12-20	3	2.2	580	280	240/270	180	118	268	130	108	160	138	9	100	24
CHSC 12-30	4	3	610	270	270/	195	126	276	130	108	160	138	9		30
CHSC 12-40	5.5	4	650	360	270/	220	120	270	230	190	170	140	12		42
CHSC 12-50	7.5	5.5	670	375	305/	255	132	282	260	216	190	140	12		56

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

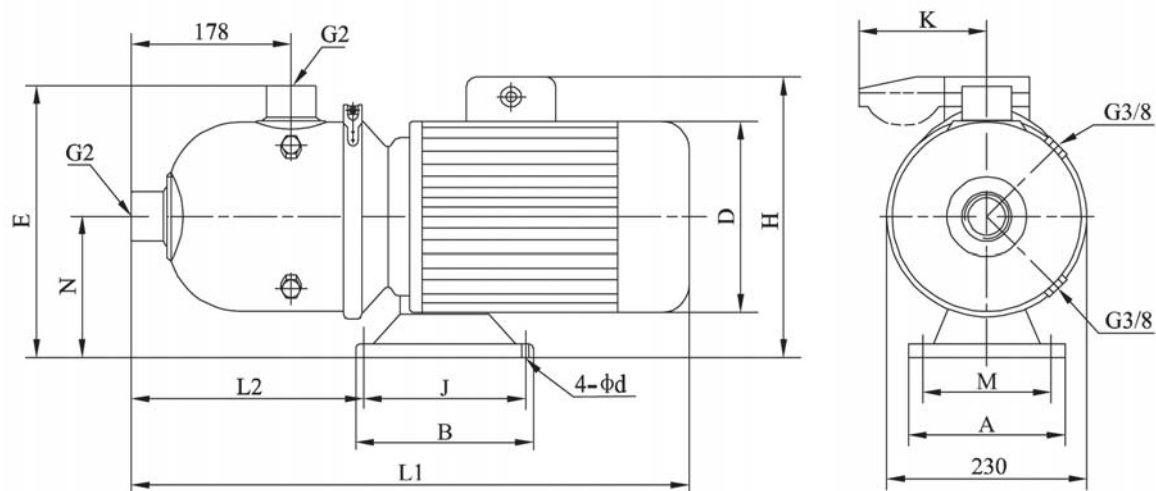
Model / 型號	Motor / 馬達		L1	L2	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW													
CHSC 16-10	1.5	1.1	560	280	230/265	170	118	268	130	108	160	138	9	100	19
CHSC 16-20	3	2.2	580	280	240/270	180	118	268	130	108	160	138	9	100	26
CHSC 16-30	4	3	610	270	270/	195	126	276	130	108	160	138	9		33

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW													
CHSC 16-10	4	2.2	580	280	230/270	180	118	264	130	108	160	138	9	100	24
CHSC 16-20	5.5	4	650	360	270/	220	120	270	230	190	170	140	12		42
CHSC 16-30	7.5	5.5	670	375	305/	255	132	281	260	216	190	140	12		49

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

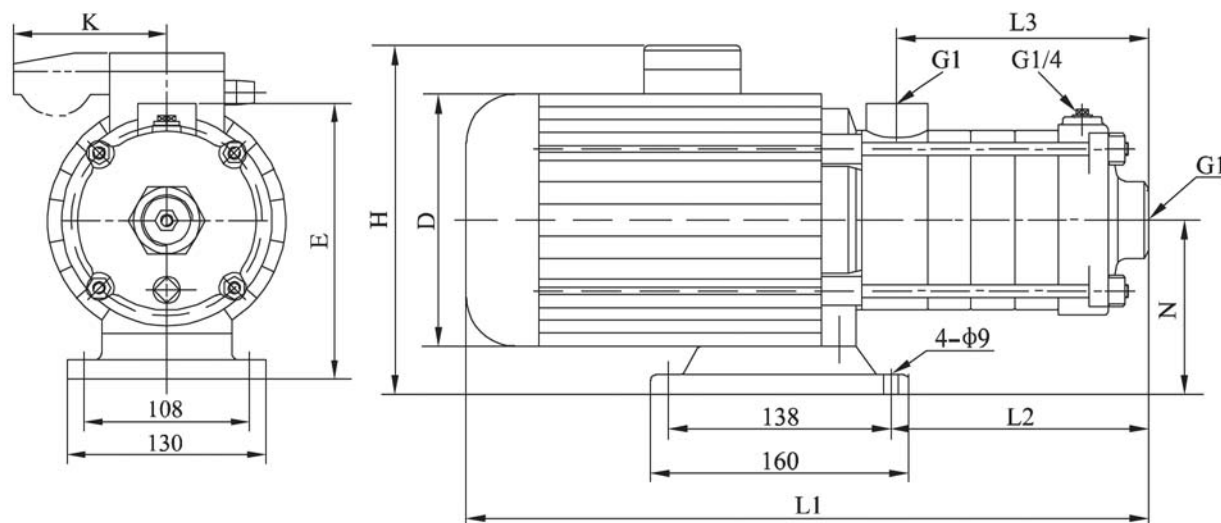
Model / 型號	Motor / 馬達		L1	L2	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW													
CHSC 20-10	1.5	1.1	560	280	230/265	170	118	268	130	108	160	138	9	100	20
CHSC 20-20	3	2.2	580	280	240/270	180	118	268	130	108	160	138	9	100	27
CHSC 20-30	5.5	4	650	360	270/	220	120	270	230	190	170	140	12		40

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW													
CHSC 20-10	3	2.2	580	280	240/270	180	118	268	130	108	160	138	9	100	25
CHSC 20-20	5.5	4	650	360	270/	220	120	270	230	190	170	140	12		41
CHSC 20-30	7.5	5.5	670	375	305/	255	132	282	260	216	190	140	12		54

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

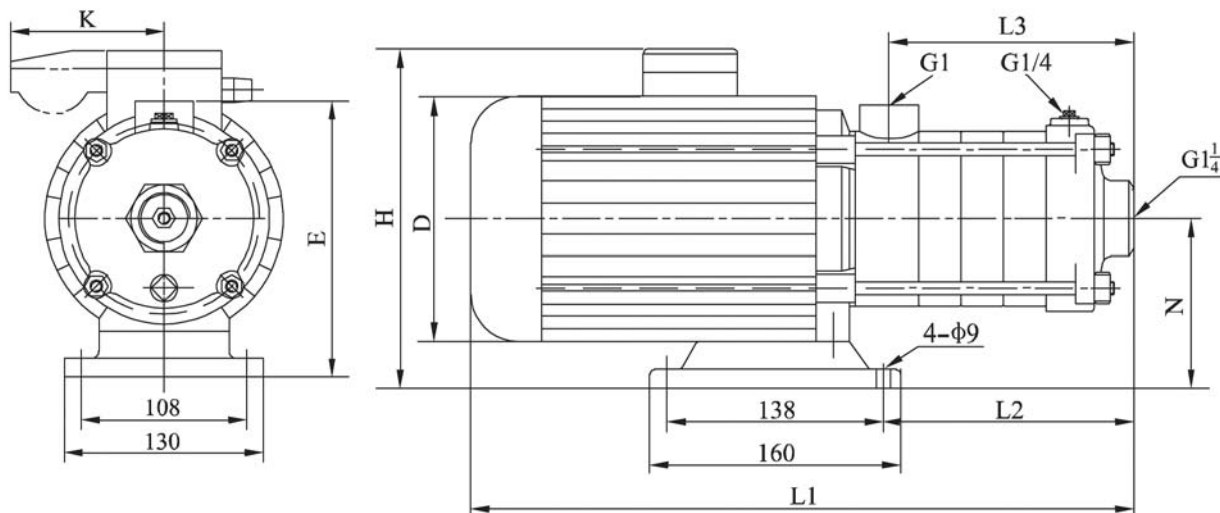
Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW									
CHSI (CI) 2-20	0.5	0.37	305	87	84	215/230	145	110	182	96	15
CHSI (CI) 2-30	0.75	0.55	323	105	102	215/230	145	110	182	96	15
CHSI (CI) 2-40	0.75	0.55	341	123	120	215/230	145	110	182	96	15
CHSI (CI) 2-50	0.75	0.55	359	141	138	215/230	145	110	182	96	15
CHSI (CI) 2-60	1	0.75	422	159	156	225/245	170	110	182	100	17

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW									
CHSI (CI) 2-20	0.75	0.55	305	87	84	230/230	145	110	182	96	15
CHSI (CI) 2-30	1	0.75	370	105	102	230/245	170	110	182	100	16
CHSI (CI) 2-40	1.5	1.1	388	123	120	230/245	170	110	182	100	17
CHSI (CI) 2-50	1.5	1.1	406	141	138	230/245	170	110	182	100	17
CHSI (CI) 2-60	2	1.5	465	159	156	240/260	170	118	190	100	22

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

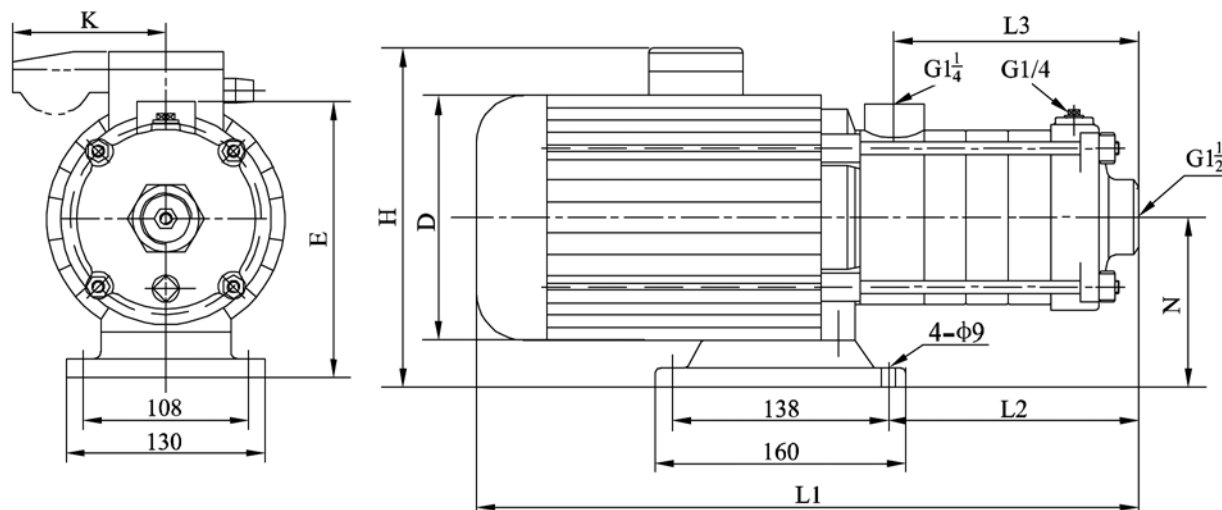
Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW									
CHSI (CI) 4-20	0.75	0.55	329	105	102	215/230	145	110	182	96	15
CHSI (CI) 4-30	0.75	0.55	356	132	129	215/230	145	110	182	96	15
CHSI (CI) 4-40	1	0.75	416	162	156	225/245	170	110	182	100	17
CHSI (CI) 4-50	1.5	1.1	455	188	183	225/245	170	110	182	100	18
CHSI (CI) 4-60	1.5	1.1	482	213	210	225/245	170	110	182	100	18

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW									
CHSI (CI) 4-20	1	0.75	359	96	102	230/245	170	110	182	100	15
CHSI (CI) 4-30	1.5	1.1	395	132	129	230/245	170	110	182	100	17
CHSI (CI) 4-40	2	1.5	465	159	156	240/260	170	118	190	100	22
CHSI (CI) 4-50	3	2.2	492	186	183	240/260	180	118	190	100	25
CHSI (CI) 4-60	3	2.2	519	213	210	240/260	180	118	190	100	25

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

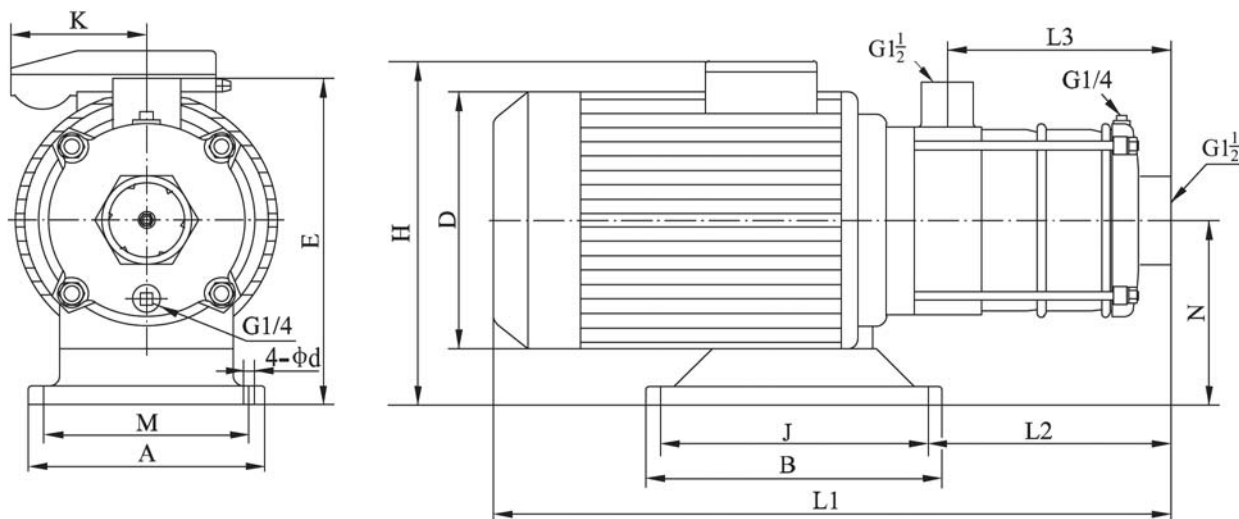
Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW									
CHSI (CI) 8-10	1	0.75	395	126	108	230/265	170	118	228	100	21
CHSI (CI) 8-20	1	0.75	395	126	108	230/265	170	118	228	100	21
CHSI (CI) 8-30	1.5	1.1	425	156	138	230/265	170	118	228	100	26
CHSI (CI) 8-40	2	1.5	490	186	168	240/270	180	118	228	100	29
CHSI (CI) 8-50	3	2.2	520	216	198	240/270	180	118	228	100	30

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	K 1φ	kg 重量
	hp	kW									
CHSI (CI) 8-10	1	0.75	395	128	108	230/265	170	117	227	100	23
CHSI (CI) 8-20	2	1.5	430	128	108	240/270	170	118	228	100	26
CHSI (CI) 8-30	3	2.2	460	158	138	240/270	170	118	228	100	28
CHSI (CI) 8-40	4	3	550	188	168	270/	195	128	238		33
CHSI (CI) 8-50	4	3	580	218	198	270/	195	128	238		33

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

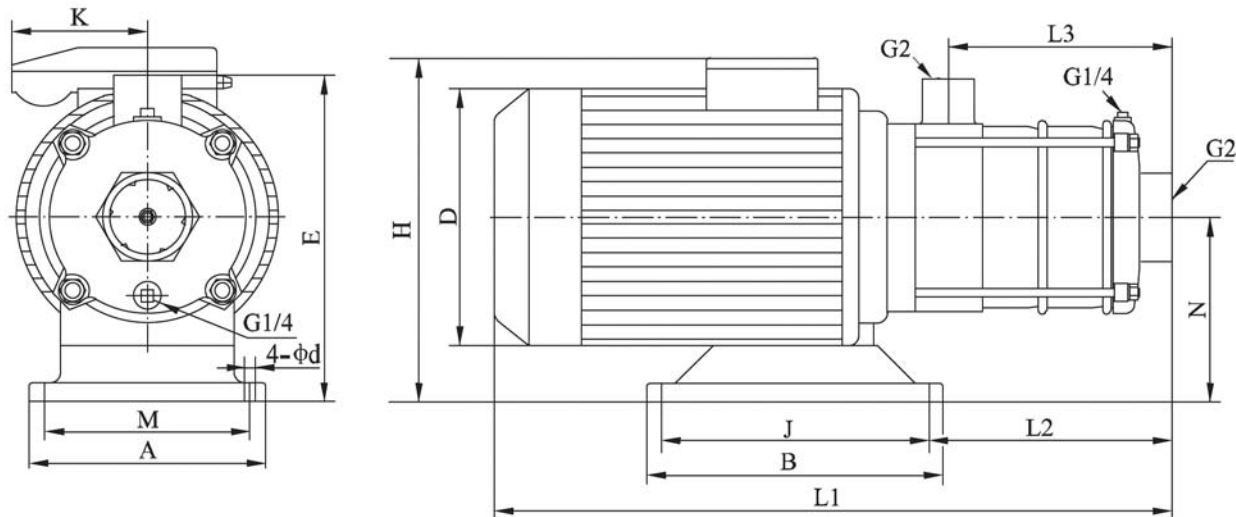
Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW														
CHSI (CI) 12-10	1	0.75	395	126	108	230/265	170	118	228	130	108	160	138	9	100	21
CHSI (CI) 12-20	1.6	1.2	395	126	108	230/265	170	118	228	130	108	160	138	9	100	22
CHSI (CI) 12-30	2.4	1.8	460	156	138	240/270	180	118	228	130	108	160	138	9	100	26
CHSI (CI) 12-40	3.3	2.4	490	186	168	240/270	180	118	228	130	108	160	138	9	100	30
CHSI (CI) 12-50	4	3	555	216	198	270/	195	126	240	130	108	160	138	9		35

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW														
CHSI (CI) 12-10	1.5	1.1	395	126	108	230/265	180	117	227	130	108	160	138	9	100	23
CHSI (CI) 12-20	3	2.2	430	126	108	240/270	180	118	228	130	108	160	138	9	100	26
CHSI (CI) 12-30	4	3	510	156	138	270/	195	130	240	130	108	160	138	9		33
CHSI (CI) 12-40	5.5	4	565	285	168	270/	220	120	230	230	190	170	140	12		45
CHSI (CI) 12-50	7.5	5.5	620	325	198	305/	255	132	242	260	216	190	140	12		59

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

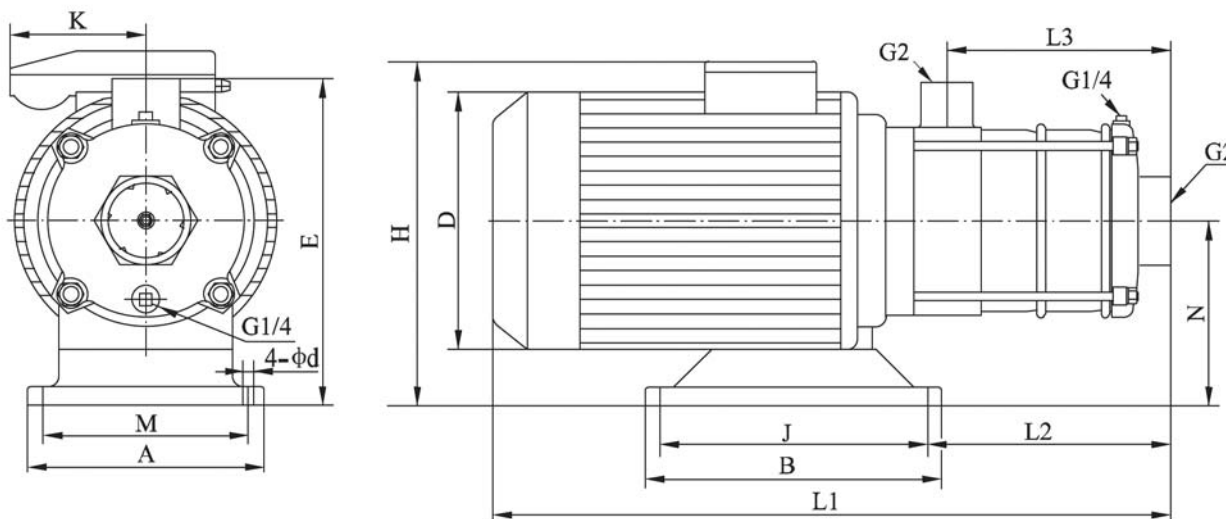
Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW														
CHSI (CI) 16-10	1.5	1.1	423	151	126	230/265	180	117	227	130	108	160	138	9	100	19
CHSI (CI) 16-20	3	2.2	455	151	126	240/270	180	118	228	130	108	160	138	9	100	28
CHSI (CI) 16-30	4	3	561	196	171	270/	195	130	240	130	108	160	138	9		34
CHSI (CI) 16-40	5.5	4	621	340	216	270/	220	120	230	230	190	170	140	12		41

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW														
CHSI (CI) 16-10	3	2.2	455	151	126	240/270	180	118	228	131	108	161	138	9	100	28
CHSI (CI) 16-20	5.5	4	531	249	126	270/	220	120	230	230	190	170	140	12		44
CHSI (CI) 16-30	7.5	5.5	600	310	171	305/	255	132	242	260	216	190	140	12		56
CHSI (CI) 16-40	10	7.5	645	355	216	305/	255	132	242	260	216	190	140	12		63

Dimensional Drawings / 尺寸圖



Dimensions and Weights / 尺寸和重量

50Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW														
CHSI (CI) 20-10	1.5	1.1	423	151	126	230/265	180	117	227	130	108	160	138	9	100	22
CHSI (CI) 20-20	3	2.2	455	151	126	240/270	180	118	228	130	108	160	138	9	100	29
CHSI (CI) 20-30	5.5	4	576	294	171	270/	220	120	230	230	190	170	140	12		43
CHSI (CI) 20-40	6	4.4	621	340	216	270/	220	120	230	230	190	170	140	12		46

60Hz

Unit of Dimensions : mm

Model / 型號	Motor / 馬達		L1	L2	L3	H 3φ / 1φ	D	N	E	A	M	B	J	d	K 1φ	kg 重量
	hp	kW														
CHSI (CI) 20-10	3	2.2	455	151	126	240/270	180	118	228	130	108	160	138	9	100	27
CHSI (CI) 20-20	5.5	4	531	249	126	270/	220	120	230	230	190	170	140	12		45
CHSI (CI) 20-30	7.5	5.5	600	310	171	305/	255	132	242	260	216	190	140	12		58
CHSI (CI) 20-40	10	7.5	645	355	216	305/	255	132	242	260	216	190	140	12		63

Agent / Distributor / Dealer :

