



GA Series

Japan Engineering Standard



ความเชื่อมั่นระดับสากล

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General Data

Product description

GA(B),GAG(B) series horizontal stainless steel single-stage centrifugal pump: axial inlet and radial outlet. Motor drawn out from pump design is easy to disassemble the motor and impeller without disassembling the pump casing and pipe line. Adopt advanced manufacture technic as stainless steel by cold pressing, hydroforming, welding and etc. It is the innovated new structure centrifugal pump. It can replace the traditional IS pumps and general corrosion resistance pumps. It is equipped with a special motor for the lengthening shaft, which is a fully enclosed air-cooled motor. The pump casing, pump cover, impeller, shaft and other flow passage components are made of SUS304 material, and SUS316 material can be configured as required. It is characterized by light structure, high efficiency and energy saving, light corrosion resistance, durability, low noise, etc.

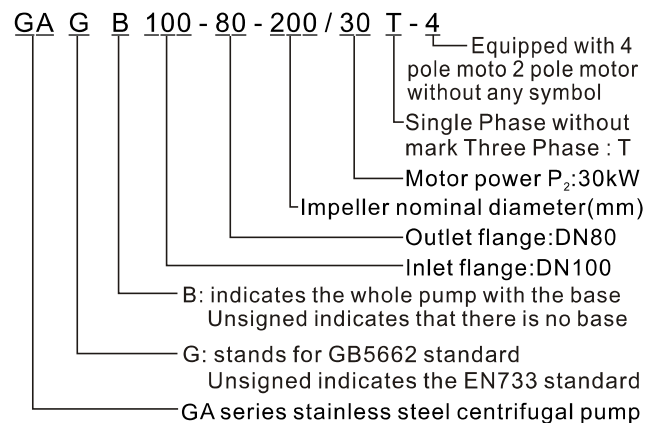
Application

- 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, aquafarming, etc.

Motor

- Equipped with a fully enclosed, air-cooled, 2 pole or 4 pole extended shaft motor;
- Protection: Ip55
- Insulation class: F
- Supply voltage ($\pm 10\%$): 1*220V~240V/50Hz ;
3*220V/380V/50Hz; 3*380V/660V/50Hz
0.37kW ~ 2.2kW can provide single-phase motor products with built-in thermal protector.

Example



General Data

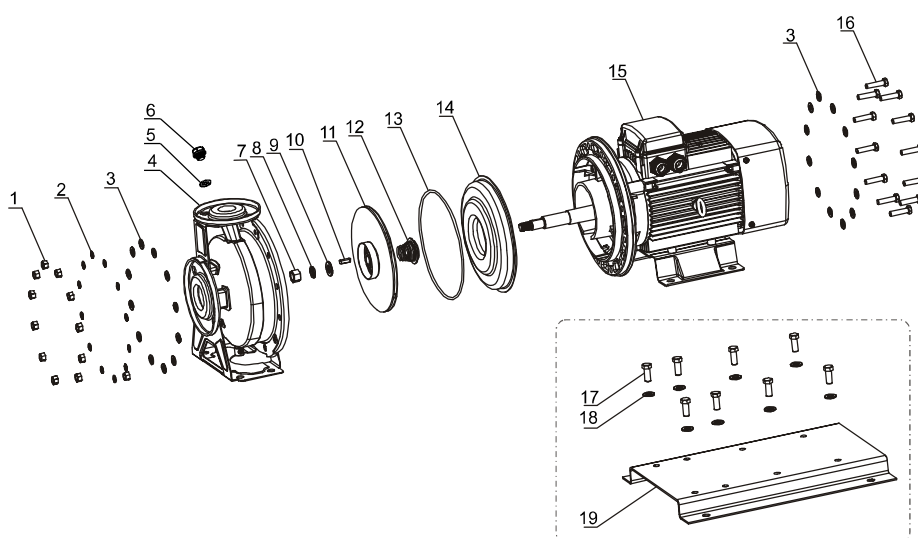
Service conditions

- clean, non flammable and explosive liquid without solid particles and fibers;
- Medium temperature:
 - standard model: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$;
 - high temperature: $-20^{\circ}\text{C} \sim +104^{\circ}\text{C}$;
- maximum ambient temperature $+50^{\circ}\text{C}$;
- the maximum installation altitude is 1000m;
- the maximum working pressure is 10 bar.

Curve condition

The guidelines below apply to the curves shown on the following pages:

- 1) Curve tolerance as per ISO 9906 shown, the thick line indicates the recommended use range. If it is used beyond the curve range, there will be a risk of overload.
 - 2) All curves are based on the measured value of motor speed at 2900 r/min.
 - 3) The curve is measured in clean water without gas and solid impurities at a temperature of 20°C .
 - 4) The pump shall not operate at a flow rate less than 10% of the flow at the optimal efficiency point to avoid the risk of overheating.
 - 5) If the density or viscosity of the conveying liquid is greater than that of water, a motor of corresponding large specification must be used.
 - 6) NPSH: The curve is expressed as the average value under the same conditions as the performance curve.
- A safety margin of at least 0.5m shall be added during model selection.



NO.	Name
1	Hexagonal Nut
2	Spring Washer
3	Washer
4	Pump housing component
5	O-Ring
6	Plug
7	Hexagonal Nut
8	Spring Washer
9	Washer
10	Flat key
11	Impeller
12	Mechanical seal
13	O-Ring
14	Pump Cover
15	Motor
16	Hexagonal Bolt
17	Hexagonal Bolt
18	Washer
19	Base

General Data

Minimum inlet pressure

Calculation of the inlet pressure "H" is recommended in these situations :

- The liquid temperature is high.
- The flow is significantly higher than the rated flow.
- Water is drawn from depths.
- Water is drawn through long pipes.

Inlet conditions are poor, to avoid cavitation, make sure that there is a minimum pressure on the suction side of the pump.

The maximum suction lift "H" in metres head can be calculated as follows:

$$H = P_b \cdot 10.2 - NPSH - H_f - H_v - H_s$$

P_b = Barometric pressure in bar.

(Barometric pressure can be set to 1 bar).

in closed systems, P_b indicates the system pressure in bar.

NPSH = Net positive suction Head in metres head.

(To be read from the NPSH curve at the highest flow the pump will be delivering).

H_f = Friction loss in suction pipe (unit:m).

(At the highest flow the pump will be delivering.)

H_v = Vapour pressure (unit:m).

(To be read from the vapour pressure scale).

H_s = safety margin = minimum 0.5 metres head.

if the "H" calculated is positive, the pump can operate at a suction lift of maximum "H" metres head. If the "H" calculated is negative, an inlet pressure of minimum "H" metres head is required.

Pump selection

1) Pump specification:

Pump selection should be based on:

- Required flow and pressure at the permissible working range.
- Pressure loss as a result of height differences.
- Loss in connection should consider the loss of long pipes, bends or valves, etc.
- Best efficiency point should be at the estimated duty point.

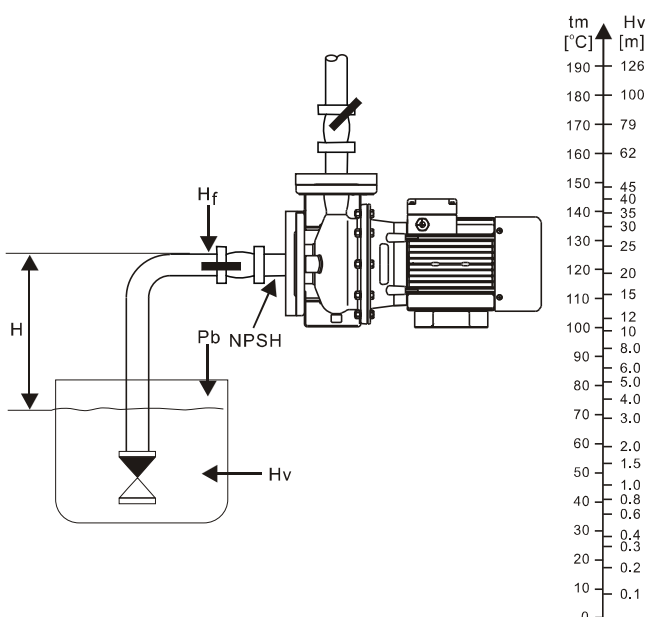
2) Pump efficiency:

If the pump expected to operate at the same duty point, then select a pump which is operating at a duty point with the best efficiency of the pump.

If want to control the operation and the consumption, then select a pump that the best efficiency point should fall to the rated range that could meet the maximum power consumption.

3) Pump material:

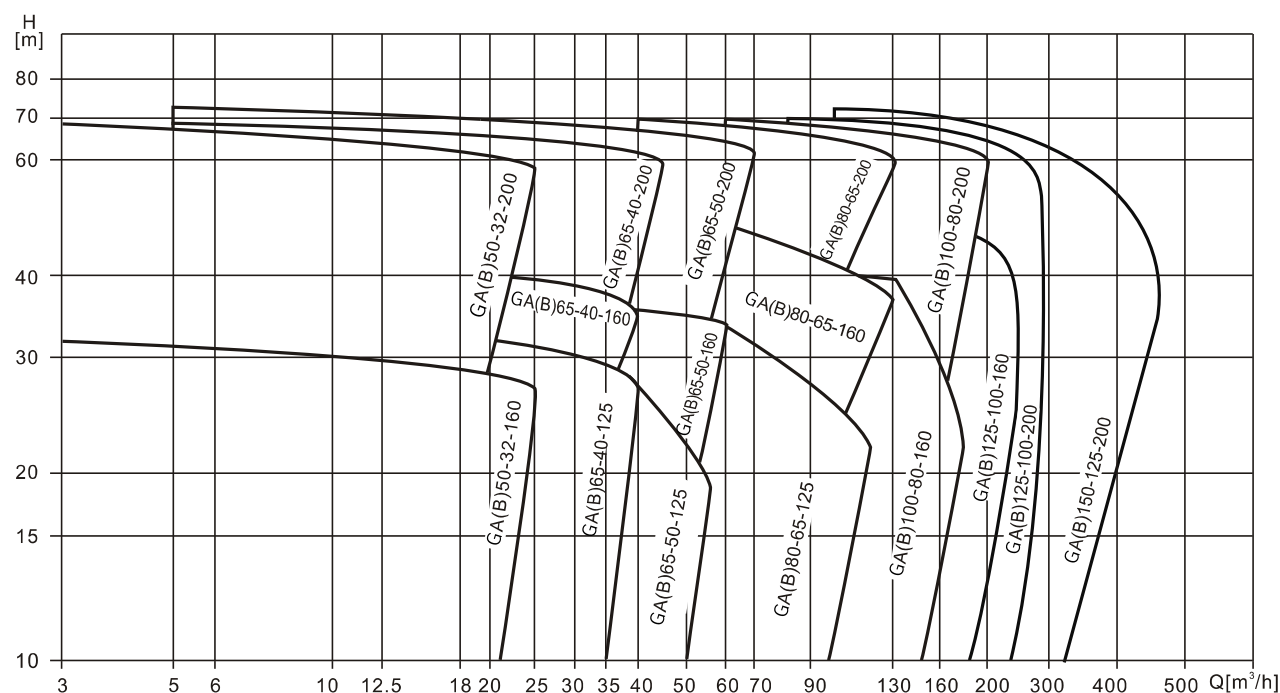
Material selection should be based on the liquid (SUS304 OR SUS316).



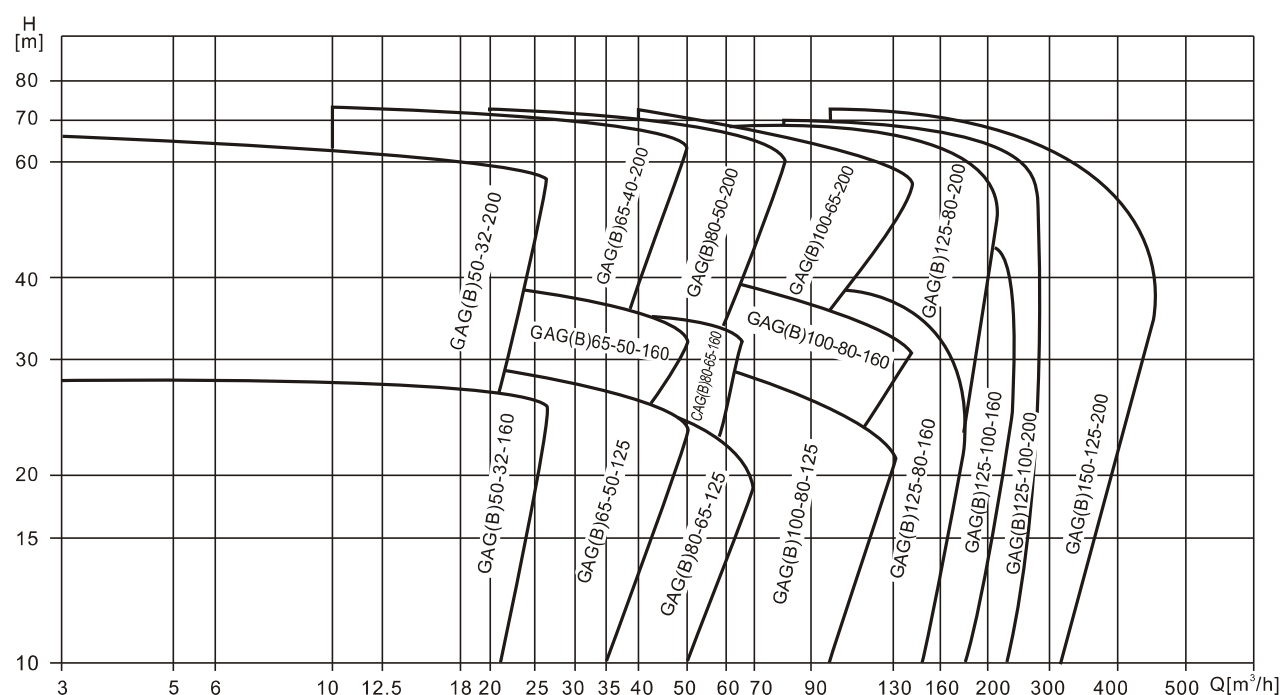
Technical data

Performance range

GA/GAB



GAG/GAGB



Technical data

Technical parameter list

Model (EN 733)	Power(P ₂) kW	Rated head (m)	Rated flow (m ³ /h)	(Amps)		G.W (kg)	Packing way	Packing size (mm)
				220V/50Hz	380V/50Hz			
GA50-32-160/1.1(T)	1.1	16.5	12.5	7.0	2.6	21.5	Plywood box	470×280×390
GA50-32-160/1.5(T)	1.5	20	12.5	9.2	3.5	22.5		470×280×390
GA50-32-160/2.2(T)	2.2	26	12.5	14	4.9	31		470×280×390
GA50-32-200/3.0T	3.0	34	12.5	—	6.3	38		540×370×475
GA50-32-200/4.0T	4.0	45	12.5	—	9.6	54		540×370×475
GA50-32-200/5.5T	5.5	54	12.5	—	11.1	62.3		630×370×495
GA50-32-200/7.5T	7.5	62.5	12.5	—	14.9	73.8		630×370×495
GA65-40-125/1.5(T)	1.5	13	25	9.2	3.5	21		470×280×390
GA65-40-125/2.2(T)	2.2	20	25	14	4.9	29		470×280×390
GA65-40-125/3.0T	3.0	25	25	—	6.3	37		540×330×425
GA65-40-160/4.0T	4.0	31	25	—	9.6	49.5		540×330×425
GA65-40-200/5.5T	5.5	41	25	—	11.1	62.5		630×370×495
GA65-40-200/7.5T	7.5	48	25	—	14.9	74		630×370×495
GA65-40-200/11T	11	68	25	—	21.2	93		705×430×560
GA65-50-125/3.0T	3.0	16	40	—	6.3	37.5		540×330×425
GA65-50-125/4.0T	4.0	21	40	—	9.6	49.5		540×330×425
GA65-50-160/5.5T	5.5	24	50	—	11.1	62.5		630×370×495
GA65-50-200/7.5T	7.5	32	50	—	14.9	73		630×370×495
GA65-50-200/9.2T	9.2	41	50	—	18.3	82		705×430×560
GA65-50-200/11T	11	48	50	—	21.2	93		705×430×560
GA65-50-200/15T	15	62	50	—	28.6	107		705×430×560
GA65-50-200/18.5T	18.5	68	50	—	34.7	158		765×440×580
GA80-65-125/4.0T	4.0	13	80	—	9.6	49.5		610×330×475
GA80-65-125/5.5T	5.5	13	100	—	11.1	62.5		610×330×475
GA80-65-125/7.5T	7.5	19	100	—	14.9	69.5		610×330×475
GA80-65-125/9.2T	9.2	23	100	—	18.3	80.5		695×380×500
GA80-65-160/11T	11	30	100	—	21.2	93		695×380×500
GA80-65-160/15T	15	37	100	—	28.6	107		695×380×500
GA80-65-200/18.5T	18.5	47	100	—	34.7	158		765×440×580
GA80-65-200/22T	22	50	100	—	41.0	192		855×440×600
GA80-65-200/30T	30	62	100	—	55.4	223		925×480×650
GA100-80-160/11T	11	15	160	—	21.2	92.5		755×370×550
GA100-80-160/15T	15	22	160	—	28.6	106		755×370×550
GA100-80-160/18.5T	18.5	28	160	—	34.7	158		855×440×600
GA100-80-200/22T	22	36	160	—	41.0	193		855×440×600
GA100-80-200/30T	30	45	160	—	55.4	232		925×480×650
GA100-80-200/37T	37	54	160	—	67.9	256		925×480×650
GA125-100-160/18.5T	18.5	25	180	—	34.7	180		855×440×600
GA125-100-160/22T	22	30	180	—	41.0	203		855×440×600
GA125-100-160/30T	30	35	200	—	55.4	260		925×480×650
GA125-100-200/37T	37	50	200	—	67.9	285		925×480×650
GA125-100-200/45T	45	57	200	—	80.8	385		995×540×730
GA125-100-200/55T	55	65	200	—	98.5	440		1085×580×760
GA150-125-200/45T	45	35.5	320	—	80.8	385		995×540×730
GA150-125-200/55T	55	42	320	—	98.5	440		1085×580×760
GA150-125-200/75T	75	49	320	—	133.7	580		1165×640×820
GA150-125-200/90T	90	54	320	—	159.9	628		1165×640×820

Technical data

Technical parameter list

Model (EN 733)	Reference Model	Power(P ₂) kW	Rated head (m)	Rated flow (m ³ /h)	(Amps)		G.W (kg)	Packing way	Packing size (mm)
					220V/50Hz	380V/50Hz			
GAB50-32-160/1.1(T)	ZS50-32-160/1.1	1.1	16.5	12.5	7.0	2.6	26.5		480×360×440
GAB50-32-160/1.5(T)	ZS50-32-160/1.5	1.5	20	12.5	9.2	3.5	27.5		480×360×440
GAB50-32-160/2.2(T)	ZS50-32-160/2.2	2.2	26	12.5	14	4.9	37.5		480×360×440
GAB50-32-200/3.0T	ZS50-32-200/3.0	3.0	34	12.5	—	6.3	45		530×420×520
GAB50-32-200/4.0T	ZS50-32-200/4.0	4.0	45	12.5	—	9.6	61.2		530×420×520
GAB50-32-200/5.5T	ZS50-32-200/5.5	5.5	54	12.5	—	11.1	70.5		600×420×520
GAB50-32-200/7.5T	ZS50-32-200/7.5	7.5	62.5	12.5	—	14.9	82		600×420×520
GAB65-40-125/1.5(T)	ZS65-40-125/1.5	1.5	13	25	9.2	3.5	26.5		480×360×440
GAB65-40-125/2.2(T)	ZS65-40-125/2.2	2.2	20	25	14	4.9	42		480×360×440
GAB65-40-125/3.0T	ZS65-40-125/3.0	3.0	25	25	—	6.3	43.6		530×420×520
GAB65-40-160/4.0T	ZS65-40-160/4.0	4.0	31	25	—	9.6	56.5		530×420×520
GAB65-40-200/5.5T	ZS65-40-200/5.5	5.5	41	25	—	11.1	70.7		620×430×540
GAB65-40-200/7.5T	ZS65-40-200/7.5	7.5	48	25	—	14.9	82.2		620×430×540
GAB65-40-200/11T	ZS65-40-200/11	11	68	25	—	21.2	107		705×480×545
GAB65-50-125/3.0T	ZS65-50-125/3.0	3.0	16	40	—	6.3	44		530×420×520
GAB65-50-125/4.0T	ZS65-50-125/4.0	4.0	21	40	—	9.6	56.5		600×420×520
GAB65-50-160/5.5T	ZS65-50-160/5.5	5.5	24	50	—	11.1	70.7		580×430×540
GAB65-50-200/7.5T	ZS65-50-200/7.5	7.5	32	50	—	14.9	81.2		620×430×540
GAB65-50-200/9.2T	ZS65-50-200/9.2	9.2	41	50	—	18.3	96		705×480×545
GAB65-50-200/11T	ZS65-50-200/11	11	48	50	—	21.2	107		705×480×545
GAB65-50-200/15T	ZS65-50-200/15	15	62	50	—	28.6	121		705×480×545
GAB65-50-200/18.5T	ZS65-50-200/18.5	18.5	68	50	—	34.7	180.4		765×420×690
GAB80-65-125/4.0T	—	4.0	13	80	—	9.6	57.3	Plywood box	580×430×540
GAB80-65-125/5.5T	ZS80-65-125/5.5	5.5	13	100	—	11.1	74.5		580×430×540
GAB80-65-125/7.5T	ZS80-65-125/7.5	7.5	19	100	—	14.9	81.5		620×430×540
GAB80-65-125/9.2T	ZS80-65-125/9.2	9.2	23	100	—	18.3	94.5		705×480×545
GAB80-65-160/11T	ZS80-65-160/11.0	11	30	100	—	21.2	107		705×480×545
GAB80-65-160/15T	ZS80-65-160/15.0	15	37	100	—	28.6	121		705×480×545
GAB80-65-200/18.5T	ZS80-65-200/18.5	18.5	47	100	—	34.7	182.3		765×420×690
GAB80-65-200/22T	ZS80-65-200/22.0	22	50	100	—	41.0	231.4		825×510×750
GAB80-65-200/30T	ZS80-65-200/30.0	30	62	100	—	55.4	264		935×490×800
GAB100-80-160/11T	ZS100-80-160/11.0	11	15	160	—	21.2	107.5		755×480×615
GAB100-80-160/15T	ZS100-80-160/15.0	15	22	160	—	28.6	121		755×480×615
GAB100-80-160/18.5T	ZS100-80-160/18.5	18.5	28	160	—	34.7	184.3		825×420×690
GAB100-80-200/22T	ZS100-80-200/22.0	22	36	160	—	41.0	225.4		865×450×750
GAB100-80-200/30T	ZS100-80-200/30.0	30	45	160	—	55.4	273		935×490×800
GAB100-80-200/37T	ZS100-80-200/37.0	37	54	160	—	67.9	297		935×490×800
GAB125-100-160/18.5T	—	18.5	25	180	—	34.7	207		825×420×690
GAB125-100-160/22T	—	22	30	180	—	41.0	237		865×450×750
GAB125-100-160/30T	—	30	35	200	—	55.4	304		935×490×800
GAB125-100-200/37T	—	37	50	200	—	67.9	330		935×560×800
GAB125-100-200/45T	—	45	57	200	—	80.8	432		955×530×850
GAB125-100-200/55T	—	55	65	200	—	98.5	492		1085×580×900
GAB150-125-200/45T	—	45	35.5	320	—	80.8	440		995×740×880
GAB150-125-200/55T	—	55	42	320	—	98.5	489		1085×580×900
GAB150-125-200/75T	—	75	49	320	—	133.7	632		1165×640×960
GAB150-125-200/90T	—	90	54	320	—	159.9	680		1165×640×960

Technical data

Technical parameter list

Model (GB5662)	Power(P ₂) kW	Rated head (m)	Rated flow (m ³ /h)	(Amps)		G.W (kg)	Packing way	Packing size (mm)
				220V/50Hz	380V/50Hz			
GAG50-32-160/1.1(T)	1.1	16.5	12.5	7.0	2.6	21.5	Plywood box	470×280×390
GAG50-32-160/1.5(T)	1.5	20	12.5	9.2	3.5	22.5		470×280×390
GAG50-32-160/2.2(T)	2.2	26	12.5	14	4.9	31		470×280×390
GAG50-32-200/3.0T	3.0	34	12.5	—	6.3	38		540×370×475
GAG50-32-200/4.0T	4.0	45	12.5	—	9.6	54		540×370×475
GAG50-32-200/5.5T	5.5	54	12.5	—	11.1	62.3		630×370×495
GAG50-32-200/7.5T	7.5	62.5	12.5	—	14.9	73.8		630×370×495
GAG65-50-125/1.5(T)	1.5	13	25	9.2	3.5	21.5		470×280×390
GAG65-50-125/2.2(T)	2.2	20	25	14	4.9	29.5		470×280×390
GAG65-50-125/3.0T	3.0	25	25	—	6.3	37.5		540×330×425
GAG65-50-160/4.0T	4.0	31	25	—	9.6	50		540×330×425
GAG65-40-200/5.5T	5.5	42.5	25	—	11.1	62.5		630×370×495
GAG65-40-200/7.5T	7.5	48	25	—	14.9	74		630×370×495
GAG65-40-200/11T	11	70	25	—	21.2	93		705×430×560
GAG80-65-125/3.0T	3.0	15	50	—	6.3	38.5		540×330×425
GAG80-65-125/4.0T	4.0	20	50	—	9.6	50.5		540×330×425
GAG80-65-160/5.5T	5.5	25.5	50	—	11.1	63.5		630×370×495
GAG80-65-200/7.5T	7.5	33	50	—	14.9	74		630×370×495
GAG80-50-200/9.2T	9.2	39	50	—	18.3	83		705×430×560
GAG80-50-200/11T	11	48	50	—	21.2	94		705×430×560
GAG80-50-200/15T	15	59	50	—	28.6	108		705×430×560
GAG80-50-200/18.5T	18.5	64	50	—	34.7	159		765×440×580
GAG100-80-125/4.0T	4.0	11.5	80	—	9.6	50.5		610×330×475
GAG100-80-125/5.5T	5.5	14	100	—	11.1	63.5		610×330×475
GAG100-80-125/7.5T	7.5	20.5	100	—	14.9	70.5		610×330×475
GAG100-80-125/9.2T	9.2	24.5	100	—	18.3	81.5		695×380×500
GAG100-80-160/11T	11	30	100	—	21.2	94		695×380×500
GAG100-65-200/15T	15	38	100	—	28.6	108		695×380×500
GAG100-65-200/18.5T	18.5	47	100	—	34.7	159		765×440×580
GAG100-65-200/22T	22	50	100	—	41.0	193		855×440×600
GAG100-65-200/30T	30	62	100	—	55.4	224		925×480×650
GAG125-80-160/11T	11	17	140	—	21.2	93.5		755×370×550
GAG125-80-160/15T	15	23.5	160	—	28.6	107		755×370×550
GAG125-80-160/18.5T	18.5	27.5	160	—	34.7	159		855×440×600
GAG125-80-200/22T	22	37	160	—	41.0	194		855×440×600
GAG125-80-200/30T	30	47	160	—	55.4	233		925×480×650
GAG125-80-200/37T	37	58.5	160	—	67.9	257		925×480×650
GAG125-100-160/18.5T	18.5	25	180	—	34.7	180		855×440×600
GAG125-100-160/22T	22	30	180	—	41.0	203		855×440×600
GAG125-100-160/30T	30	35	200	—	55.4	260		925×480×650
GAG125-100-200/37T	37	50	200	—	67.9	285		925×480×650
GAG125-100-200/45T	45	57	200	—	80.8	385		995×540×730
GAG125-100-200/55T	55	65	200	—	98.5	440		1085×580×760
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GAG150-125-200/55T	55	42	320	—	98.5	440		1085×580×760
GAG150-125-200/75T	75	49	320	—	133.7	580		1165×640×820
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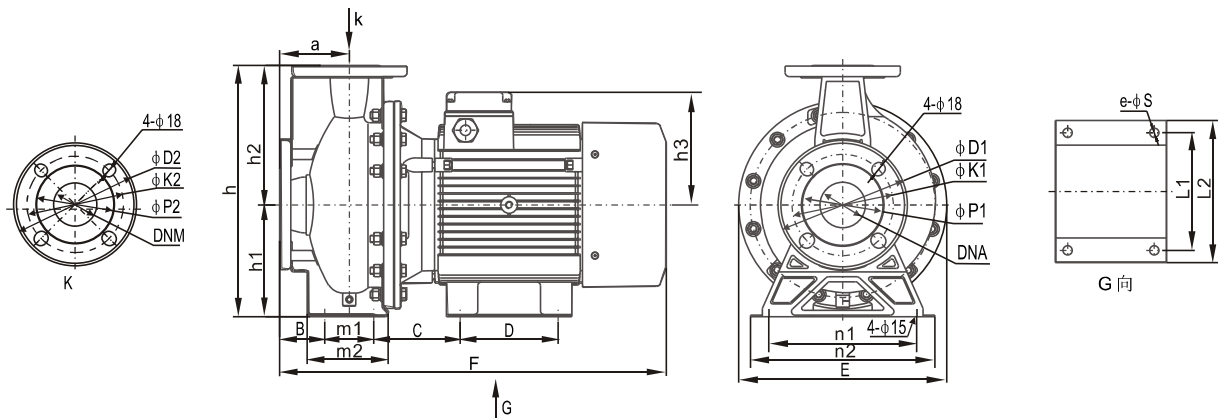
Technical data

Technical parameter list

Model (GB5662)	Power(P ₂) kW	Rated head (m)	Rated flow (m ³ /h)	(Amps)		G.W (kg)	Packing way	Packing size (mm)
				220V/50Hz	380V/50Hz			
GAGB50-32-160/1.1(T)	1.1	16.5	12.5	7.0	2.6	26.5	Plywood box	480×360×440
GAGB50-32-160/1.5(T)	1.5	20	12.5	9.2	3.5	27.5		480×360×440
GAGB50-32-160/2.2(T)	2.2	26	12.5	14	4.9	37.5		480×360×440
GAGB50-32-200/3.0T	3.0	34	12.5	—	6.3	45		530×420×520
GAGB50-32-200/4.0T	4.0	45	12.5	—	9.6	61.2		530×420×520
GAGB50-32-200/5.5T	5.5	54	12.5	—	11.1	70.5		600×420×520
GAGB50-32-200/7.5T	7.5	62.5	12.5	—	14.9	82		600×420×520
GAGB65-50-125/1.5(T)	1.5	13	25	9.2	3.5	27		480×360×440
GAGB65-50-125/2.2(T)	2.2	20	25	14	4.9	42.5		480×360×440
GAGB65-50-125/3.0T	3.0	25	25	—	6.3	44		530×420×520
GAGB65-50-160/4.0T	4.0	31	25	—	9.6	57		530×420×520
GAGB65-40-200/5.5T	5.5	42.5	25	—	11.1	70.7		620×430×540
GAGB65-40-200/7.5T	7.5	48	25	—	14.9	82.2		620×430×540
GAGB65-40-200/11T	11	70	25	—	21.2	107		705×480×545
GAGB80-65-125/3.0T	3.0	15	50	—	6.3	45		530×420×520
GAGB80-65-125/4.0T	4.0	20	50	—	9.6	57.5		600×420×520
GAGB80-65-160/5.5T	5.5	25.5	50	—	11.1	71.7		580×430×540
GAGB80-65-200/7.5T	7.5	33	50	—	14.9	82.2		620×430×540
GAGB80-50-200/9.2T	9.2	39	50	—	18.3	97		705×480×545
GAGB80-50-200/11T	11	48	50	—	21.2	108		705×480×545
GAGB80-50-200/15T	15	59	50	—	28.6	122		705×480×545
GAGB80-50-200/18.5T	18.5	64	50	—	34.7	181.4		765×420×690
GAGB100-80-125/4.0T	4.0	11.5	80	—	9.6	58.3		580×430×540
GAGB100-80-125/5.5T	5.5	14	100	—	11.1	75.5		580×430×540
GAGB100-80-125/7.5T	7.5	20.5	100	—	14.9	82.5		620×430×540
GAGB100-80-125/9.2T	9.2	24.5	100	—	18.3	95.5		705×480×545
GAGB100-80-160/11T	11	30	100	—	21.2	108		705×480×545
GAGB100-65-200/15T	15	38	100	—	28.6	122		705×480×545
GAGB100-65-200/18.5T	18.5	47	100	—	34.7	183.3		765×420×690
GAGB100-65-200/22T	22	50	100	—	41.0	232.4		825×510×750
GAGB100-65-200/30T	30	62	100	—	55.4	265		935×490×800
GAGB125-80-160/11T	11	17	140	—	21.2	107.5		755×480×615
GAGB125-80-160/15T	15	23.5	160	—	28.6	121		755×480×615
GAGB125-80-160/18.5T	18.5	27.5	160	—	34.7	184.3		825×420×690
GAGB125-80-200/22T	22	37	160	—	41.0	225.4		865×450×750
GAGB125-80-200/30T	30	47	160	—	55.4	273		935×490×800
GAGB125-80-200/37T	37	58.5	160	—	67.9	297		935×490×800
GAGB125-100-160/18.5T	18.5	25	180	—	34.7	207		825×420×690
GAGB125-100-160/22T	22	30	180	—	41.0	237		865×450×750
GAGB125-100-160/30T	30	35	200	—	55.4	304		935×490×800
GAGB125-100-200/37T	37	50	200	—	67.9	330		935×560×800
GAGB125-100-200/45T	45	57	200	—	82.1	432		955×530×850
GAGB125-100-200/55T	55	65	200	—	98.5	492		1085×580×900
GAGB150-125-200/45T	45	35.5	320	—	82.1	440		995×740×880
GAGB150-125-200/55T	55	42	320	—	98.5	489		1085×580×900
GAGB150-125-200/75T	75	49	320	—	133.7	632		1165×640×960
GAGB150-125-200/90T	90	54	320	—	159.9	680		1165×640×960

Technical data

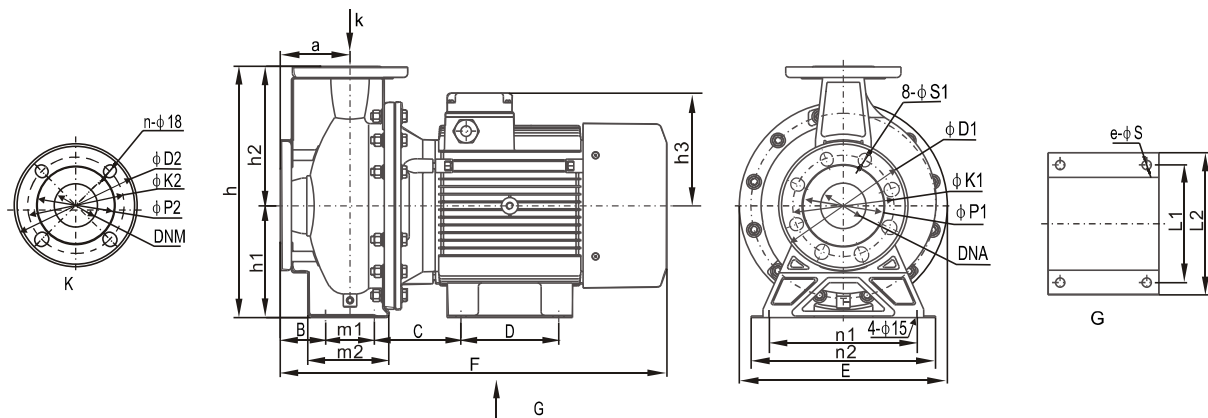
Overall dimension(No base)



Model	Power P ₂ (kW)	Shape size(mm)																	Flange size(mm)									
		E	F	h	h1	h2	h ₃ 1~	h ₃ 3~	a	m1	m2	n1	n2	B	C	D	e-φS	L1	L2	φD1	φk1	φP1	φD2	φK2	φP2	DNA	DNM	
GA50-32-160/1.1	1.1	215	390	255	112	143	114	107	80	70	115	160	190	45	95	90	4-12*18	125	155	165	125	96	140	100	76	50	32	
GA50-32-160/1.5	1.5	215	390	255	112	143	132	107	80	70	115	160	190	45	95	90	4-12*18	125	155	165	125	96	140	100	76	50	32	
GA50-32-160/2.2	2.2	215	438	255	112	143	144	112	80	70	115	160	190	45	111	100	4-12*18	160	190	165	125	96	140	100	76	50	32	
GA50-32-200/3.0	3.0	300	456	340	160	180	-	112	80	70	118	190	240	45	109	100	4-12*18	160	190	165	125	96	140	100	76	50	32	
GA50-32-200/4.0	4.0	300	490	340	160	180	-	147	80	70	118	190	240	45	114	140	4-15*20	190	225	165	125	96	140	100	76	50	32	
GA50-32-200/5.5	5.5	300	519	340	160	180	-	162	80	70	118	190	240	45	122	140	4-15*20	190	230	165	125	96	140	100	76	50	32	
GA50-32-200/7.5	7.5	300	557	340	160	180	-	162	80	70	118	190	240	45	122	140	4-15*20	190	230	165	125	96	140	100	76	50	32	
GA65-40-125/1.5	1.5	215	390	255	112	143	132	107	80	70	115	160	190	45	95	90	4-12*18	125	155	185	145	115	150	110	80	65	40	
GA65-40-125/2.2	2.2	215	438	255	112	143	144	112	80	70	115	160	190	45	110	100	4-12*18	160	190	185	145	115	150	110	80	65	40	
GA65-40-125/3.0	3.0	256	456	292	132	160	-	112	80	70	118	190	240	45	110	100	4-12*18	160	190	185	145	115	150	110	80	65	40	
GA65-40-160/4.0	4.0	256	491	292	132	160	-	147	80	70	118	190	240	45	114	140	4-15*20	190	225	185	145	115	150	110	80	65	40	
GA65-40-200/5.5	5.5	300	541	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	150	110	80	65	40	
GA65-40-200/7.5	7.5	300	579	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	150	110	80	65	40	
GA65-40-200/11	11	300	615	360	160	200	-	182	100	70	118	212	264	65	161	140	4-15*20	216	255	185	145	115	150	110	80	65	40	
GA65-50-125/3.0	3.0	256	455	292	132	160	-	112	80	70	115	190	240	45	110	100	4-12*18	160	190	185	145	115	165	125	96	65	50	
GA65-50-125/4.0	4.0	256	491	292	132	160	-	147	80	70	115	190	240	45	115	140	4-15*20	190	225	185	145	115	165	125	96	65	50	
GA65-50-160/5.5	5.5	300	541	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	165	125	96	65	50	
GA65-50-200/7.5	7.5	300	579	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	165	125	96	65	50	
GA65-50-200/9.2	9.2	300	615	360	160	200	-	182	100	70	118	212	264	65	161	140	4-15*20	216	255	185	145	115	165	125	96	65	50	
GA65-50-200/11	11	300	615	360	160	200	-	182	100	70	118	212	264	65	161	140	4-15*20	216	255	185	145	115	165	125	96	65	50	
GA65-50-200/15	15	300	657	360	160	200	-	182	100	70	118	212	264	65	161	140	4-15*20	216	255	185	145	115	165	125	96	65	50	
GA65-50-200/18.5	18.5	320	715	360	160	200	-	255	100	70	118	212	264	65	147	254	4-φ15	254	320	185	145	115	165	125	96	65	50	

Technical data

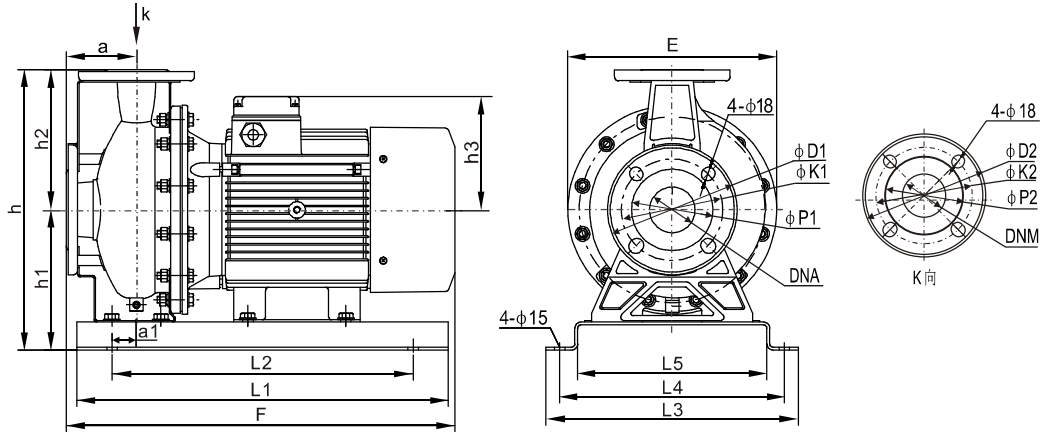
(GA80,GA100,GA125,GA150)
Overall dimension(No base)



Model	Power P _s (kW)	Shape size(mm)																Flange size(mm)													
		E	F	h	h1	h2	h3	a	m1	m2	n1	n2	B	C	D	e-φS	L1	L2	φS1	φD1	φk1	φP1	φD2	φK2	φP2	n	DNA	DNM			
GA80-65-125/4.0	4.0	256	514	340	160	180	147	100	95	152	212	250	53	105	140	4-15*20	190	225	18	200	160	132	185	145	115	4	80	65			
GA80-65-125/5.5	5.5	256	535	340	160	180	162	100	95	152	212	250	53	113	140	4-15*20	190	230	18	200	160	132	185	145	115	4	80	65			
GA80-65-125/7.5	7.5	256	573	340	160	180	162	100	95	152	212	250	53	113	140	4-15*20	190	230	18	200	160	132	185	145	115	4	80	65			
GA80-65-125/9.2	9.2	256	636	340	160	180	182	100	95	152	212	250	53	175	140	4-15*20	216	255	18	200	160	132	185	145	115	4	80	65			
GA80-65-160/11	11	300	613	360	160	200	182	100	95	152	212	250	53	152	140	4-15*20	216	255	18	200	160	132	185	145	115	4	80	65			
GA80-65-160/15	15	300	651	360	160	200	182	100	95	152	212	250	53	152	140	4-15*20	216	255	18	200	160	132	185	145	115	4	80	65			
GA80-65-200/18.5	18.5	320	717	405	180	225	255	100	95	148	250	290	53	430	-	4-φ14.5	254	354	18	200	160	132	185	145	115	4	80	65			
GA80-65-200/22	22	356	776	405	180	225	270	100	95	148	250	290	53	169	241	4-φ14.5	279	355	18	200	160	132	185	145	115	4	80	65			
GA80-65-200/30	30	400	837	425	180	225	304	100	95	148	250	290	53	177	305	4-φ18.5	318	386	18	200	160	132	185	145	115	4	80	65			
GA100-80-160/11	11	256	669	405	180	225	182	125	95	176	250	290	78	183	140	4-15*20	216	255	18	220	180	152	200	160	132	8	100	80			
GA100-80-160/15	15	256	711	405	180	225	182	125	95	176	250	290	78	183	140	4-15*20	216	255	18	220	180	152	200	160	132	8	100	80			
GA100-80-160/18.5	18.5	320	769	405	180	225	255	125	95	176	250	290	78	457	-	4-φ14.5	254	354	18	220	180	152	200	160	132	8	100	80			
GA100-80-200/22	22	356	811	430	180	250	270	125	95	176	280	320	78	180	241	4-φ14.5	279	355	18	220	180	152	200	160	132	8	100	80			
GA100-80-200/30	30	400	872	450	200	250	304	125	95	176	280	320	78	188	305	4-φ18.5	318	386	18	220	180	152	200	160	132	8	100	80			
GA100-80-200/37	37	400	872	450	200	250	304	125	95	176	280	320	78	188	305	4-φ18.5	318	386	18	220	180	152	200	160	132	8	100	80			
GA125-100-160/18.5	18.5	320	780	405	180	225	255	125	120	187	280	330	66	457	-	4-φ14.5	254	354	18	250	210	180	220	180	152	8	125	100			
GA125-100-160/22	22	356	820	405	180	225	270	125	120	187	280	330	66	175.5	241	4-φ14.5	279	355	18	250	210	180	220	180	152	8	125	100			
GA125-100-160/30	30	400	890	425	200	225	304	125	120	187	280	330	66	183.5	305	4-φ18.5	318	386	18	250	210	180	220	180	152	8	125	100			
GA125-100-200/37	37	400	890	480	200	280	304	125	120	185	280	330	65	186.5	305	4-φ18.5	318	386	18	250	210	180	220	180	152	8	125	100			
GA125-100-200/45	45	445	910	505	225	280	333	125	120	185	280	330	65	172.5	311	4-φ18.5	356	431	18	250	210	180	220	180	152	8	125	100			
GA125-100-200/55	55	485	1000	530	250	280	362	125	120	185	280	330	65	207.5	349	4-φ18.5	406	484	18	250	210	180	220	180	152	8	125	100			
GA150-125-200/45	45	445	950	565	250	315	333	140	120	212	315	370	80	135	441	4-φ18.5	356	471	22	285	240	206	250	210	180	8	150	125			
GA150-125-200/55	55	485	1040	565	250	315	362	140	120	212	315	370	80	235	368	4-φ18.5	406	484	22	285	240	206	250	210	180	8	150	125			
GA150-125-200/75	75	546	1116	595	280	315	384	140	120	212	315	370	80	246.5	368	4-φ18.5	457	542	22	285	240	206	250	210	180	8	150	125			
GA150-125-200/90	90	546	1116	595	280	315	384	140	120	212	315	370	80	246.5	368	4-φ18.5	457	542	22	285	240	206	250	210	180	8	150	125			

Technical data

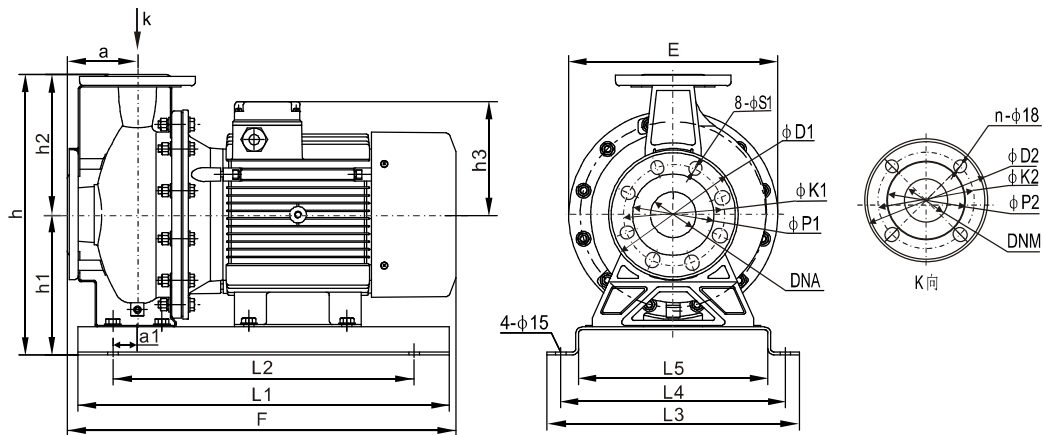
(GAB50,GAB65)
Overall dimension(With base)



Model	Power P ₂ (kW)	Shape size(mm)															Flange size(mm)									
		E	F	h	h1	h2	h3 1~3~	a	a1	L1	L2	L3	L4	L5	φ D1	φ k1	φ P1	φ D2	φ K2	φ P2	DNA	DNM				
GAB50-32-160/1.1	1.1	215	390	295	152	143	114	107	80	20	375	275	280	240	195	165	125	96	140	100	76	50	32			
GAB50-32-160/1.5	1.5	215	390	295	152	143	132	107	80	20	375	275	280	240	195	165	125	96	140	100	76	50	32			
GAB50-32-160/2.2	2.2	215	438	295	152	143	144	112	80	20	375	275	280	240	195	165	125	96	140	100	76	50	32			
GAB50-32-200/3.0	3.0	300	456	380	200	180	-	112	80	20	425	325	340	300	250	165	125	96	140	100	76	50	32			
GAB50-32-200/4.0	4.0	300	490	380	200	180	-	147	80	20	425	325	340	300	250	165	125	96	140	100	76	50	32			
GAB50-32-200/5.5	5.5	300	519	380	200	180	-	162	80	20	425	325	340	300	250	165	125	96	140	100	76	50	32			
GAB50-32-200/7.5	7.5	300	557	380	200	180	-	162	80	20	425	325	340	300	250	165	125	96	140	100	76	50	32			
GAB65-40-125/1.5	1.5	215	390	295	152	143	132	107	80	20	375	275	280	240	195	185	145	115	150	110	80	65	40			
GAB65-40-125/2.2	2.2	215	438	295	152	143	144	112	80	20	375	275	280	240	195	185	145	115	150	110	80	65	40			
GAB65-40-125/3.0	3.0	256	456	332	172	160	-	112	80	20	425	325	340	300	250	185	145	115	150	110	80	65	40			
GAB65-40-160/4.0	4.0	256	491	332	172	160	-	147	80	20	425	325	340	300	250	185	145	115	150	110	80	65	40			
GAB65-40-200/5.5	5.5	300	541	400	200	200	-	162	100	35	480	380	350	310	260	185	145	115	150	110	80	65	40			
GAB65-40-200/7.5	7.5	300	579	400	200	200	-	162	100	35	480	380	350	310	260	185	145	115	150	110	80	65	40			
GAB65-40-200/11	11	300	615	400	200	200	-	182	100	30	600	400	390	350	300	185	145	115	150	110	80	65	40			
GAB65-50-125/3.0	3.0	256	455	332	172	160	-	112	80	20	425	325	340	300	250	185	145	115	165	125	96	65	50			
GAB65-50-125/4.0	4.0	256	491	332	172	160	-	147	80	20	425	325	340	300	250	185	145	115	165	125	96	65	50			
GAB65-50-160/5.5	5.5	300	541	400	200	200	-	162	100	35	480	380	350	310	260	185	145	115	165	125	96	65	50			
GAB65-50-200/7.5	7.5	300	579	400	200	200	-	162	100	35	480	380	350	310	260	185	145	115	165	125	96	65	50			
GAB65-50-200/9.2	9.2	300	615	400	200	200	-	182	100	30	600	400	390	350	300	185	145	115	165	125	96	65	50			
GAB65-50-200/11	11	300	615	400	200	200	-	182	100	30	600	400	390	350	300	185	145	115	165	125	96	65	50			
GAB65-50-200/15	15	300	657	400	200	200	-	182	100	30	600	400	390	350	300	185	145	115	165	125	96	65	50			
GAB65-50-200/18.5	18.5	320	715	460	260	200	-	255	100	35	650	450	326	290	230	185	145	115	165	125	96	65	50			

Technical data

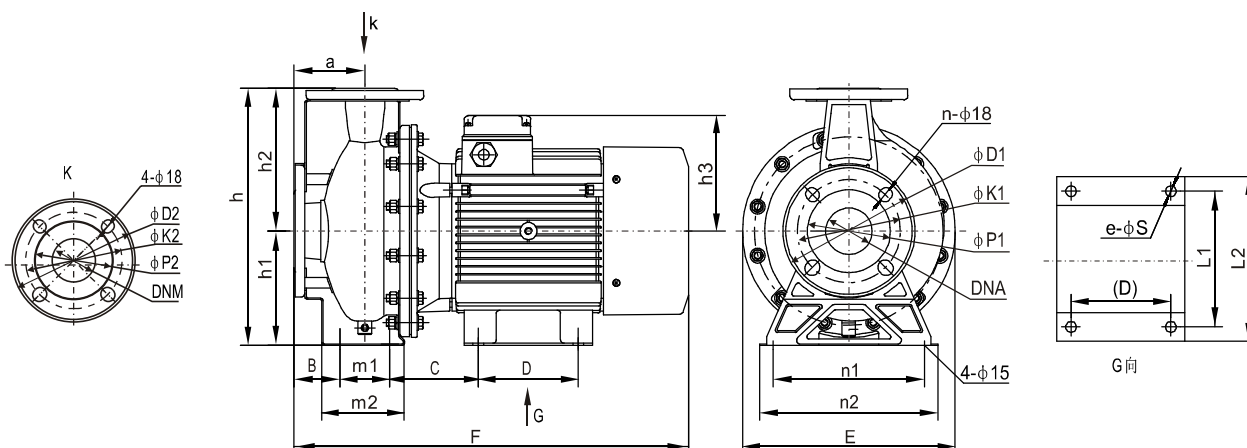
(GAB80,GAB100,GAB125,GAB150)
Overall dimension(With base)



Model	Power P ₂ (kW)	Shape size(mm)														Flange size(mm)											
		E	F	h	h1	h2	h3	a	a1	L1	L2	L3	L4	L5	φ S1	φ D1	φ k1	φ P1	φ D2	φ K2	φ P2	n	DNA	DNM			
GAB80-65-125/4.0	4.0	256	514	380	200	180	147	100	32	480	380	350	310	260	18	200	160	132	185	145	115	4	80	65			
GAB80-65-125/5.5	5.5	256	535	380	200	180	162	100	32	480	380	350	310	260	18	200	160	132	185	145	115	4	80	65			
GAB80-65-125/7.5	7.5	256	573	380	200	180	162	100	32	480	380	350	310	260	18	200	160	132	185	145	115	4	80	65			
GAB80-65-125/9.2	9.2	256	636	380	200	180	182	100	18	600	400	390	350	300	18	200	160	132	185	145	115	4	80	65			
GAB80-65-160/11	11	300	613	400	200	200	182	100	18	600	400	390	350	300	18	200	160	132	185	145	115	4	80	65			
GAB80-65-160/15	15	300	651	400	200	200	182	100	18	600	400	390	350	300	18	200	160	132	185	145	115	4	80	65			
GAB80-65-200/18.5	18.5	320	717	505	280	225	255	100	23	650	450	326	290	240	18	200	160	132	185	145	115	4	80	65			
GAB80-65-200/22	22	356	776	545	320	225	270	100	18	750	550	416	370	300	18	200	160	132	185	145	115	4	80	65			
GAB80-65-200/30	30	400	837	565	340	225	304	100	18	800	600	396	350	165	18	200	160	132	185	145	115	4	80	65			
GAB100-80-160/11	11	256	669	465	240	225	182	125	13	650	450	390	350	300	18	220	180	152	200	160	132	8	100	80			
GAB100-80-160/15	15	256	711	465	240	225	182	125	13	650	450	390	350	300	18	220	180	152	200	160	132	8	100	80			
GAB100-80-160/18.5	18.5	320	769	505	280	225	255	125	8	750	550	326	290	240	18	220	180	152	200	160	132	8	100	80			
GAB100-80-200/22	22	356	811	570	320	250	270	125	8	750	550	356	310	240	18	220	180	152	200	160	132	8	100	80			
GAB100-80-200/30	30	400	872	590	340	250	304	125	8	800	600	396	350	280	18	220	180	152	200	160	132	8	100	80			
GAB100-80-200/37	37	400	872	590	340	250	304	125	8	800	600	396	350	230	18	220	180	152	200	160	132	8	100	80			
GAB125-100-160/18.5	18.5	320	780	505	280	225	255	125	5	750	550	326	290	240	18	250	210	180	220	180	152	8	125	100			
GAB125-100-160/22	22	356	820	545	320	225	270	125	6	800	600	356	310	280	18	250	210	180	220	180	152	8	125	100			
GAB125-100-160/30	30	400	890	565	340	225	304	125	6	850	650	396	350	350	18	250	210	180	220	180	152	8	125	100			
GAB125-100-200/37	37	400	890	620	340	280	304	125	6	850	650	466	420	350	18	250	210	180	220	180	152	8	125	100			
GAB125-100-200/45	45	445	910	645	365	280	333	125	6	850	650	436	390	370	18	250	210	180	220	180	152	8	125	100			
GAB125-100-200/55	55	485	1000	670	390	280	362	125	6	950	750	486	440	340	18	250	210	180	220	180	152	8	125	100			
GAB150-125-200/45	45	445	950	705	390	315	333	140	8	850	650	456	410	370	22	285	240	206	250	210	180	8	150	125			
GAB150-125-200/55	55	485	1040	705	390	315	362	140	8	950	750	486	440	420	22	285	240	206	250	210	180	8	150	125			
GAB150-125-200/75	75	546	1116	735	420	315	384	140	8	1050	850	541	495	425	22	285	240	206	250	210	180	8	150	125			
GAB150-125-200/90	90	546	1116	735	420	315	384	140	8	1050	850	541	495	425	22	285	240	206	250	210	180	8	150	125			

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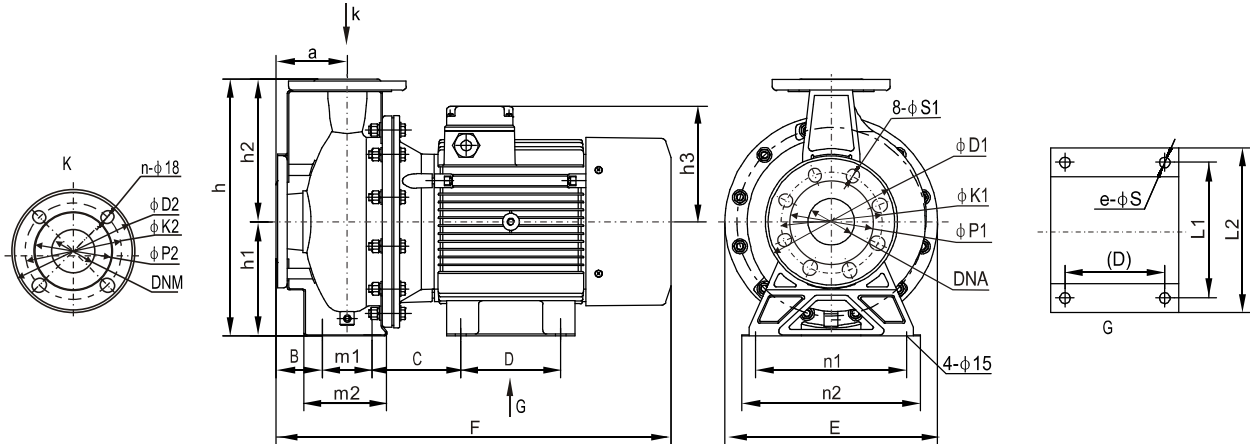
(GAG50,GAG65,GAG80)
Overall dimension(No base)



Model	Power P ₂ (kW)	Shape size(mm)																		Flange size(mm)											
		E	F	h	h1	h2	1~ h3	3~	a	m1	m2	n1	n2	B	C	D	e-φS	L1	L2	φD1	φk1	φP1	φD2	φK2	φP2	n	DNA	DNM			
GAG50-32-160/1.1	1.1	215	395	255	112	143	114	107	80	70	115	160	190	45	95	90	4-12*18	125	155	165	125	96	140	100	76	4	50	32			
GAG50-32-160/1.5	1.5	215	395	255	112	143	132	107	80	70	115	160	190	45	95	90	4-12*18	125	155	165	125	96	140	100	76	4	50	32			
GAG50-32-160/2.2	2.2	215	438	255	112	143	144	112	80	70	115	160	190	45	110	100	4-12*18	160	190	165	125	96	140	100	76	4	50	32			
GAG50-32-200/3.0	3.0	300	456	340	160	180	-	112	80	70	118	190	240	45	109	100	4-12*18	160	190	165	125	96	140	100	76	4	50	32			
GAG50-32-200/4.0	4.0	300	490	340	160	180	-	147	80	70	118	190	240	45	114	140	4-15*20	190	225	165	125	96	140	100	76	4	50	32			
GAG50-32-200/5.5	5.5	300	532	340	160	180	-	162	80	70	118	190	240	45	122	140	4-15*20	190	230	165	125	96	140	100	76	4	50	32			
GAG50-32-200/7.5	7.5	300	557	340	160	180	-	162	80	70	118	190	240	45	122	140	4-15*20	190	230	165	125	96	140	100	76	4	50	32			
GAG65-50-125/1.5	1.5	215	395	255	112	143	132	107	80	70	114	160	190	45	95	90	4-12*18	125	155	185	145	115	165	125	96	4	65	50			
GAG65-50-125/2.2	2.2	215	438	255	112	143	144	112	80	70	114	160	190	45	111	100	4-12*18	160	190	185	145	115	165	125	96	4	65	50			
GAG65-50-125/3.0	3.0	256	456	292	132	160	-	112	80	70	114	190	240	45	110	100	4-12*18	160	190	185	145	115	165	125	96	4	65	50			
GAG65-50-160/4.0	4.0	256	491	292	132	160	-	147	80	70	114	190	240	45	115	140	4-15*20	190	225	185	145	115	165	125	96	4	65	50			
GAG65-40-200/5.5	5.5	300	554	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	150	110	80	4	65	40			
GAG65-40-200/7.5	7.5	300	579	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	150	110	80	4	65	40			
GAG65-40-200/11	11	300	615	360	160	200	-	182	100	70	118	212	264	65	161	140	4-15*20	216	255	185	145	115	150	110	80	4	65	40			
GAG80-65-125/3.0	3.0	256	470	292	132	160	-	112	100	70	132	190	240	65	110	100	4-12*18	160	190	200	160	132	185	145	115	8	80	65			
GAG80-65-125/4.0	4.0	256	511	292	132	160	-	147	100	70	132	190	240	65	115	140	4-15*20	190	225	200	160	132	185	145	115	8	80	65			
GAG80-65-160/5.5	5.5	300	534	360	160	200	-	162	100	70	132	212	250	65	124	140	4-15*20	190	230	200	160	132	185	145	115	8	80	65			
GAG80-65-200/7.5	7.5	300	573	360	160	200	-	162	100	70	132	212	250	65	124	140	4-15*20	190	230	200	160	132	185	145	115	8	80	65			
GAG80-50-200/9.2	9.2	300	615	360	160	200	-	182	100	70	132	212	250	65	161	140	4-15*20	216	255	200	160	132	165	125	96	8	80	50			
GAG80-50-200/11	11	300	615	360	160	200	-	182	100	70	132	212	264	65	161	140	4-15*20	216	255	200	160	132	165	125	96	8	80	50			
GAG80-50-200/15	15	300	657	360	160	200	-	182	100	70	132	212	264	65	161	140	4-15*20	216	255	200	160	132	165	125	96	8	80	50			
GAG80-50-200/18.5	18.5	315	715	360	160	200	-	255	100	70	132	212	264	65	147	254	4-φ15	254	320	200	160	132	165	125	96	8	80	50			

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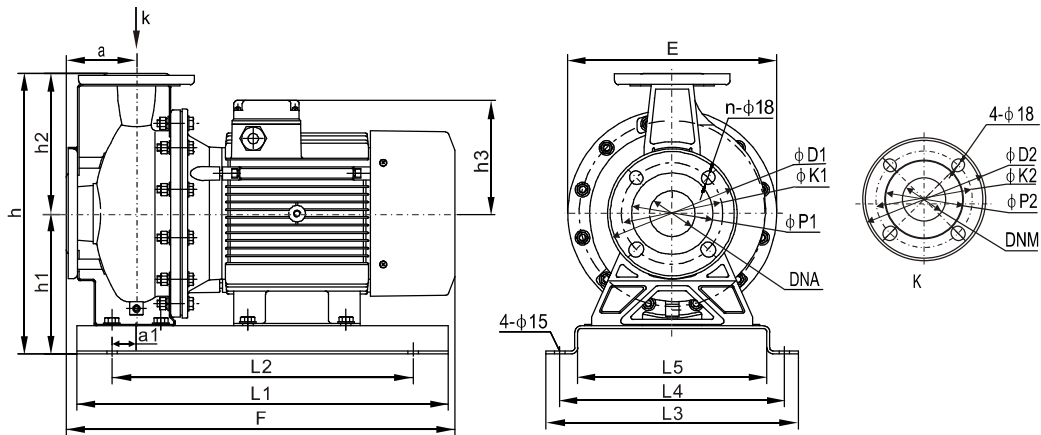
(GAG100,GAG125,GAG150)
Overall dimension(No base)



Model	Power P ₂ (kW)	Shape size(mm)																Flange size(mm)													
		E	F	h	h1	h2	h3	a	m1	m2	n1	n2	B	C	D	e-φS	L1	L2	φS1	φD1	φK1	φP1	φD2	φK2	φP2	n	DNA	DNM			
GAG100-80-125/4.0	4.0	256	514	340	160	180	147	100	95	150	212	250	52.5	105.5	140	4-15*20	190	225	18	220	180	152	200	160	132	8	100	80			
GAG100-80-125/5.5	5.5	256	530	340	160	180	162	100	95	150	212	250	52.5	113	140	4-15*20	190	230	18	220	180	152	200	160	132	8	100	80			
GAG100-80-125/7.5	7.5	256	568	340	160	180	162	100	95	150	212	250	52.5	113	140	4-15*20	190	230	18	220	180	152	200	160	132	8	100	80			
GAG100-80-125/9.2	9.2	256	636	340	160	180	182	100	95	150	212	250	52.5	175.5	140	4-15*20	216	255	18	220	180	152	200	160	132	8	100	80			
GAG100-80-160/11	11	300	613	360	160	200	182	100	95	150	212	250	52.5	152	140	4-15*20	216	255	18	220	180	152	200	160	132	8	100	80			
GAG100-65-200/15	15	300	655	360	160	200	182	100	95	150	212	250	52.5	152	140	4-15*20	216	255	18	220	180	152	185	145	115	4	100	65			
GAG100-65-200/18.5	18.5	315	717	405	180	225	255	100	95	148	250	290	52.5	430	-	4-φ14.5	254	354	18	220	180	152	185	145	115	4	100	65			
GAG100-65-200/22	22	356	776	405	180	225	270	100	95	148	250	290	52.5	169.5	241	4-φ14.5	279	355	18	220	180	152	185	145	115	4	100	65			
GAG100-65-200/30	30	400	844	405	180	225	304	100	95	148	250	290	52.5	177.5	305	4-φ18.5	318	386	18	220	180	152	185	145	115	4	100	65			
GAG125-80-160/11	11	256	669	405	180	225	182	125	95	175	250	290	77.5	183.5	140	4-15*20	216	255	18	250	210	180	200	160	132	8	125	80			
GAG125-80-160/15	15	256	711	405	180	225	182	125	95	175	250	290	77.5	183.5	140	4-15*20	216	255	18	250	210	180	200	160	132	8	125	80			
GAG125-80-160/18.5	18.5	315	769	405	180	225	255	125	95	175	250	290	77.5	457	-	4-φ14.5	254	354	18	250	210	180	200	160	132	8	125	80			
GAG125-80-200/22	22	356	811	430	180	250	270	125	95	178	280	320	77.5	180	241	4-φ14.5	279	355	18	250	210	180	200	160	132	8	125	80			
GAG125-80-200/30	30	400	880	450	200	250	304	125	95	178	280	320	77.5	186.5	305	4-φ18.5	318	386	18	250	210	180	200	160	132	8	125	80			
GAG125-80-200/37	37	400	880	450	200	250	304	125	95	178	280	320	77.5	186.5	305	4-φ18.5	318	386	18	250	210	180	200	160	132	8	125	80			
GAG125-100-160/18.5	18.5	315	780	405	180	225	255	125	120	187	280	330	66	457	-	4-φ14.5	254	354	18	250	210	180	220	180	152	8	125	100			
GAG125-100-160/22	22	356	820	405	180	225	270	125	120	187	280	330	66	175.5	241	4-φ14.5	279	355	18	250	210	180	220	180	152	8	125	100			
GAG125-100-160/30	30	400	890	425	200	225	304	125	120	187	280	330	66	183.5	305	4-φ18.5	318	386	18	250	210	180	220	180	152	8	125	100			
GAG125-100-200/37	37	400	890	480	200	280	304	125	120	185	280	330	65	186.5	305	4-φ18.5	318	386	18	250	210	180	220	180	152	8	125	100			
GAG125-100-200/45	45	445	910	505	225	280	333	125	120	185	280	330	65	172.5	311	4-φ18.5	356	431	18	250	210	180	220	180	152	8	125	100			
GAG125-100-200/55	55	485	1000	530	250	280	362	125	120	185	280	330	65	207.5	349	4-φ18.5	406	484	18	250	210	180	220	180	152	8	125	100			
GAG150-125-200/45	45	445	950	565	250	315	333	140	120	212	315	370	80	135	441	4-φ18.5	356	471	22	285	240	206	250	210	180	8	150	125			
GAG150-125-200/55	55	485	1040	565	250	315	362	140	120	212	315	370	80	235	368	4-φ18.5	406	484	22	285	240	206	250	210	180	8	150	125			
GAG150-125-200/75	75	546	1116	595	280	315	384	140	120	212	315	370	80	246.5	368	4-φ18.5	457	542	22	285	240	206	250	210	180	8	150	125			
GAG150-125-200/90	90	546	1116	595	280	315	384	140	120	212	315	370	80	246.5	368	4-φ18.5	457	542	22	285	240	206	250	210	180	8	150	125			

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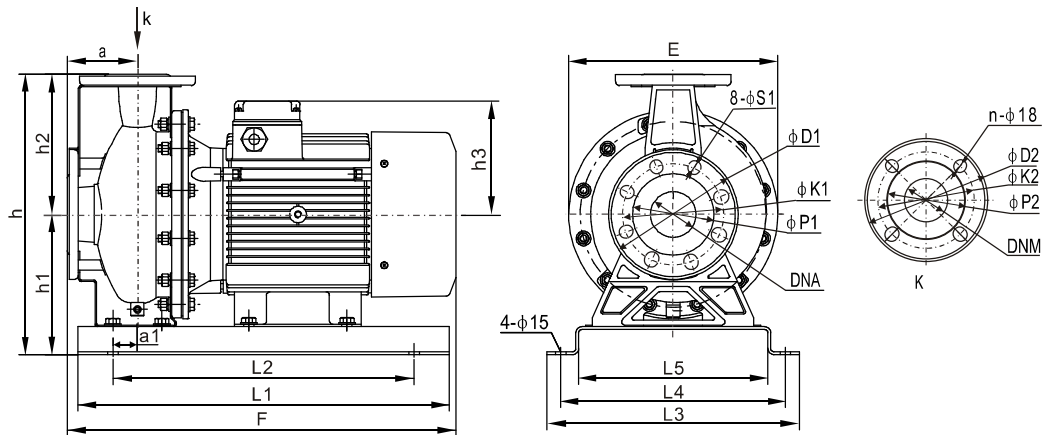
(GAGB50,GAGB65,GAGB80)
Overall dimension(With base)



Model	Power P ₂ (kW)	Shape size(mm)															Flange size(mm)									
		E	F	h	h1	h2	h3 1~3~		a	a1	L1	L2	L3	L4	L5	φD1	φk1	φP1	φD2	φK2	φP2	n	DNA	DNM		
GAGB50-32-160/1.1	1.1	215	395	295	152	143	114	107	80	20	375	275	280	240	195	165	125	96	140	100	76	4	50	32		
GAGB50-32-160/1.5	1.5	215	395	295	152	143	132	107	80	20	375	275	280	240	195	165	125	96	140	100	76	4	50	32		
GAGB50-32-160/2.2	2.2	215	438	295	152	143	144	112	80	20	375	275	280	240	195	165	125	96	140	100	76	4	50	32		
GAGB50-32-200/3.0	3.0	300	456	380	200	180	-	112	80	20	425	325	340	300	250	165	125	96	140	100	76	4	50	32		
GAGB50-32-200/4.0	4.0	300	490	380	200	180	-	147	80	20	425	325	340	300	250	165	125	96	140	100	76	4	50	32		
GAGB50-32-200/5.5	5.5	300	532	380	200	180	-	162	80	20	425	325	340	300	250	165	125	96	140	100	76	4	50	32		
GAGB50-32-200/7.5	7.5	300	557	380	200	180	-	162	80	20	425	325	340	300	250	165	125	96	140	100	76	4	50	32		
GAGB65-50-125/1.5	1.5	215	395	295	152	143	132	107	80	20	375	275	280	240	195	185	145	115	165	125	96	4	65	50		
GAGB65-50-125/2.2	2.2	215	438	295	152	143	144	112	80	20	375	275	280	240	195	185	145	115	165	125	96	4	65	50		
GAGB65-50-125/3.0	3.0	256	456	332	172	160	-	112	80	20	425	325	340	300	250	185	145	115	165	125	96	4	65	50		
GAGB65-50-160/4.0	4.0	256	491	332	172	160	-	147	80	20	425	325	340	300	250	185	145	115	165	125	96	4	65	50		
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GAGB65-40-200/7.5	7.5	300	579	400	200	200	-	162	100	35	480	380	350	310	260	185	145	115	150	110	80	4	65	40		
GAGB65-40-200/11	11	300	615	400	200	200	-	182	100	30	600	400	390	350	300	185	145	115	150	110	80	4	65	40		
GAGB80-65-125/3.0	3.0	256	470	332	172	160	-	112	100	20	425	325	340	300	250	200	160	132	185	145	115	8	80	65		
GAGB80-65-125/4.0	4.0	256	511	332	172	160	-	147	100	20	425	325	340	300	250	200	160	132	185	145	115	8	80	65		
GAGB80-65-160/5.5	5.5	300	534	400	200	200	-	162	100	35	480	380	350	310	260	200	160	132	185	145	115	8	80	65		
GAGB80-65-200/7.5	7.5	300	573	400	200	200	-	162	100	35	480	380	350	310	260	200	160	132	185	145	115	8	80	65		
GAGB80-50-200/9.2	9.2	300	615	400	200	200	-	182	100	30	600	400	390	350	300	200	160	132	165	125	96	8	80	50		
GAGB80-50-200/11	11	300	615	400	200	200	-	182	100	30	600	400	390	350	300	200	160	132	165	125	96	8	80	50		
GAGB80-50-200/15	15	300	657	400	200	200	-	182	100	30	600	400	390	350	300	200	160	132	165	125	96	8	80	50		
GAGB80-50-200/18.5	18.5	315	715	460	260	200	-	255	100	35	650	450	326	290	230	200	160	132	165	125	96	8	80	50		

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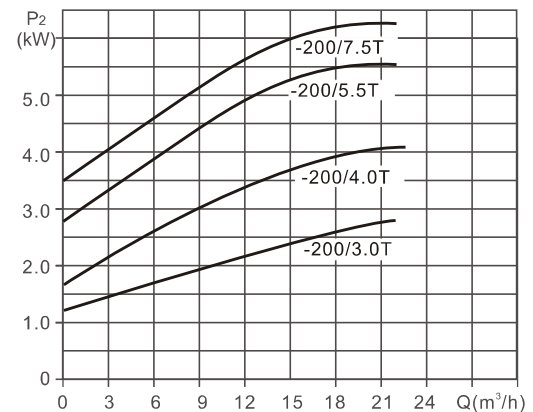
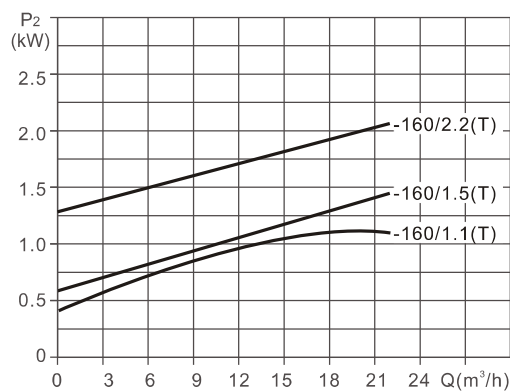
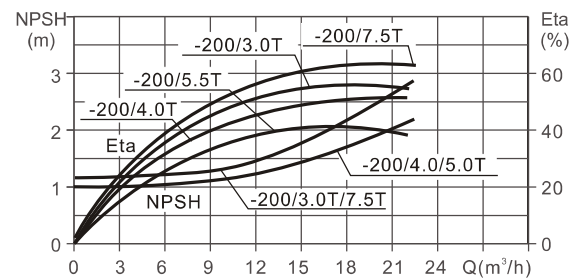
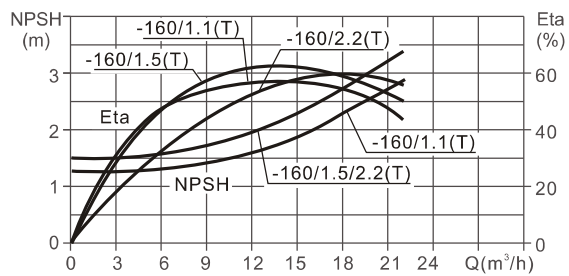
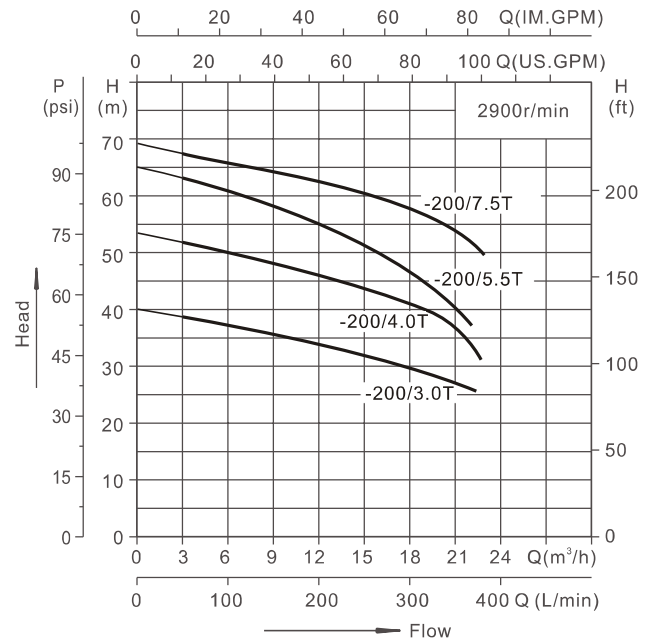
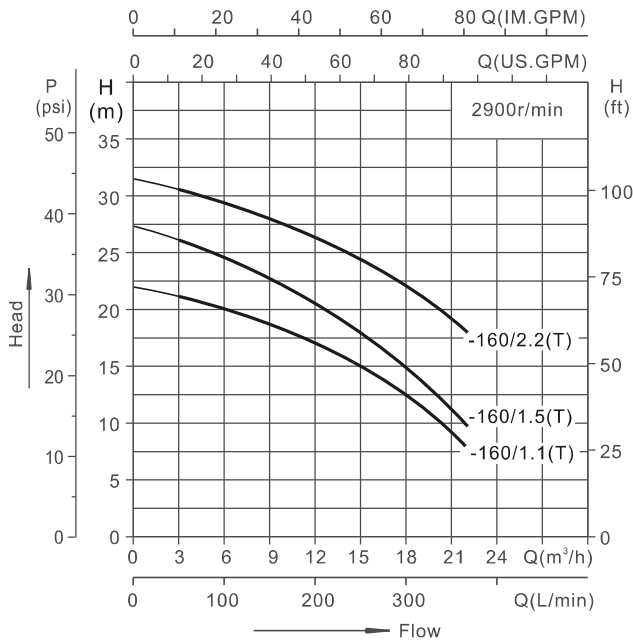
(GAGB100,GAGB125,GAGB150)
Overall dimension(With base)



Model	Power P ₂ (kW)	Shape size(mm)														Flange size(mm)											
		E	F	h	h1	h2	h3	a	a1	L1	L2	L3	L4	L5	φ S1	φ D1	φ k1	φ P1	φ D2	φ K2	φ P2	n	DNA	DNM			
GAGB100-80-125/4.0	4.0	256	514	380	200	180	147	100	32	480	380	350	310	260	18	220	180	152	200	160	132	8	100	80			
GAGB100-80-125/5.5	5.5	256	530	380	200	180	162	100	32	480	380	350	310	260	18	220	180	152	200	160	132	8	100	80			
GAGB100-80-125/7.5	7.5	256	568	380	200	180	162	100	32	480	380	350	310	260	18	220	180	152	200	160	132	8	100	80			
GAGB100-80-125/9.2	9.2	256	636	380	200	180	182	100	18	600	400	390	350	300	18	220	180	152	200	160	132	8	100	80			
GAGB100-80-160/11	11	300	613	400	200	200	182	100	18	600	400	390	350	300	18	220	180	152	200	160	132	8	100	80			
GAGB100-65-200/15	15	300	655	400	200	200	182	100	18	600	400	390	350	300	18	220	180	152	185	145	115	4	100	65			
GAGB100-65-200/18.5	18.5	315	717	505	280	225	255	100	23	650	450	326	290	230	18	220	180	152	185	145	115	4	100	65			
GAGB100-65-200/22	22	356	776	545	320	225	270	100	18	750	550	416	370	300	18	220	180	152	185	145	115	4	100	65			
GAGB100-65-200/30	30	400	844	565	340	225	304	100	18	800	600	396	350	280	18	220	180	152	185	145	115	4	100	65			
GAGB125-80-160/11	11	256	669	465	240	225	182	125	13	650	450	390	350	300	18	250	210	180	200	160	132	8	125	80			
GAGB125-80-160/15	15	256	711	465	240	225	182	125	13	650	450	390	350	300	18	250	210	180	200	160	132	8	125	80			
GAGB125-80-160/18.5	18.5	315	769	505	280	225	255	125	8	750	550	326	290	230	18	250	210	180	200	160	132	8	125	80			
GAGB125-80-200/22	22	356	811	570	320	250	270	125	8	750	550	356	310	240	18	250	210	180	200	160	132	8	125	80			
GAGB125-80-200/30	30	400	880	590	340	250	304	125	8	800	600	396	350	280	18	250	210	180	200	160	132	8	125	80			
GAGB125-80-200/37	37	400	880	590	340	250	304	125	8	800	600	396	350	280	18	250	210	180	200	160	132	8	125	80			
GAGB125-100-160/18.5	18.5	315	780	505	280	225	255	125	5	750	550	326	290	230	18	250	210	180	220	180	152	8	125	100			
GAGB125-100-160/22	22	356	820	545	320	225	270	125	6	800	600	356	310	240	18	250	210	180	220	180	152	8	125	100			
GAGB125-100-160/30	30	400	890	565	340	225	304	125	6	850	650	396	350	280	18	250	210	180	220	180	152	8	125	100			
GAGB125-100-200/37	37	400	890	620	340	280	304	125	6	850	650	466	420	350	18	250	210	180	220	180	152	8	125	100			
GAGB125-100-200/45	45	445	910	645	365	280	333	125	6	850	650	436	390	320	18	250	210	180	220	180	152	8	125	100			
GA GB125-100-200/55	55	485	1000	670	390	280	362	125	6	950	750	486	440	370	18	250	210	180	220	180	152	8	125	100			
GAGB150-125-200/45	45	445	950	705	390	315	333	140	7	850	650	456	410	340	22	285	240	206	250	210	180	8	150	125			
GAGB150-125-200/55	55	485	1040	705	390	315	362	140	7	950	750	486	440	370	22	285	240	206	250	210	180	8	150	125			
GAGB150-125-200/75	75	546	1116	735	420	315	384	140	7	1050	850	541	495	425	22	285	240	206	250	210	180	8	150	125			
GAGB150-125-200/90	90	546	1116	735	420	315	384	140	7	1050	850	541	495	425	22	285	240	206	250	210	180	8	150	125			

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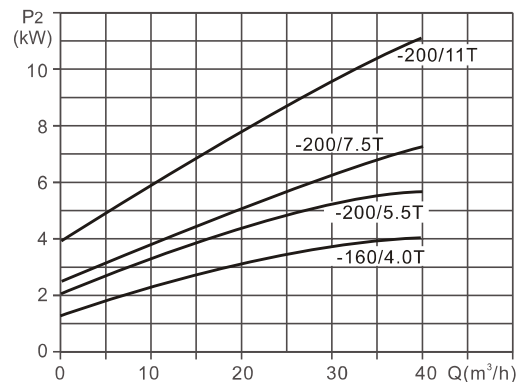
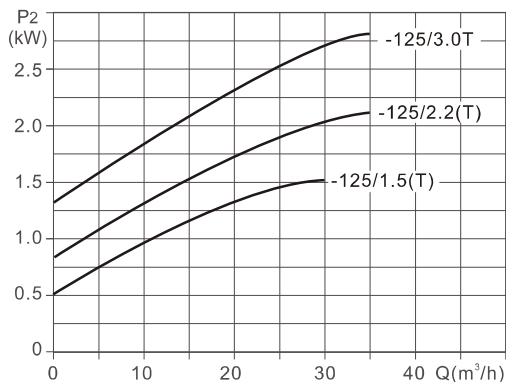
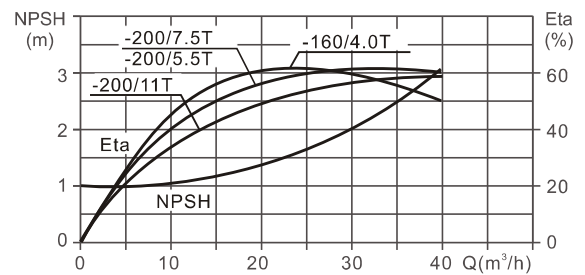
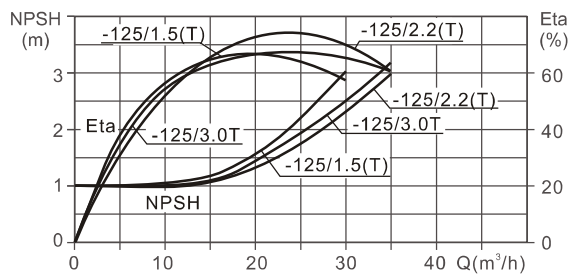
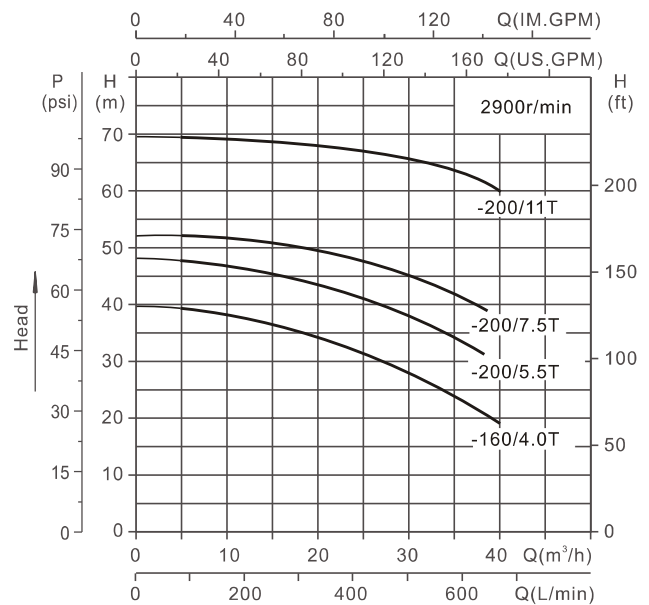
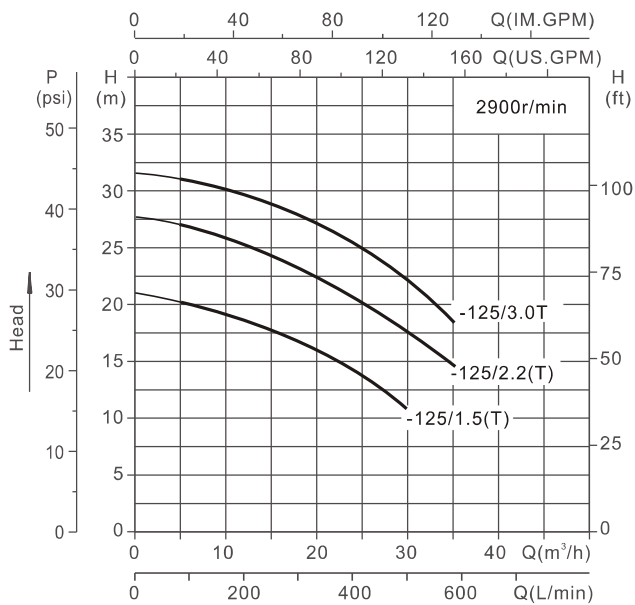
(GA50-32, GAB50-32) Performance curves



EN 733 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	3	6	9	12.5	15	18	20	22
GA(B)50-32-160/1.1(T)	1.1	16.5	12.5	H (m)	21	20	18.5	16.5	15	12.5	10	8
GA(B)50-32-160/1.5(T)	1.5	20	12.5		26	24.5	22.5	20	18.5	15	12.5	9.5
GA(B)50-32-160/2.2(T)	2.2	26	12.5		30.5	29.5	27.5	26	24	22.5	20.5	18
GA(B)50-32-200/3.0T	3.0	34	12.5		38	37	35	34	32	30	28	26
GA(B)50-32-200/4.0T	4.0	45	12.5		51.5	50	48	45	43	41	39	30
GA(B)50-32-200/5.5T	5.5	54	12.5		62	60	58	54	52	47	42	37
GA(B)50-32-200/7.5T	7.5	62.5	12.5		68	66	64	62.5	62	60	58	57

Technical data

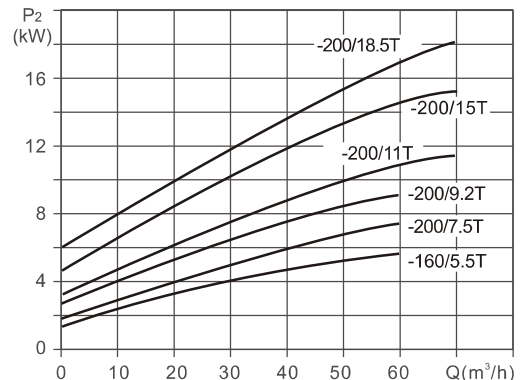
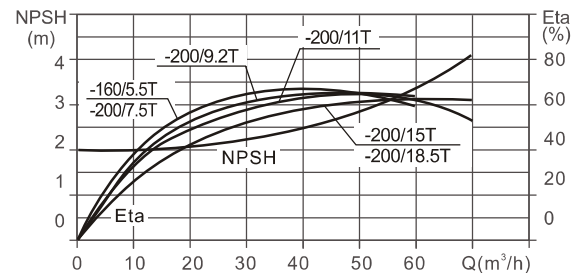
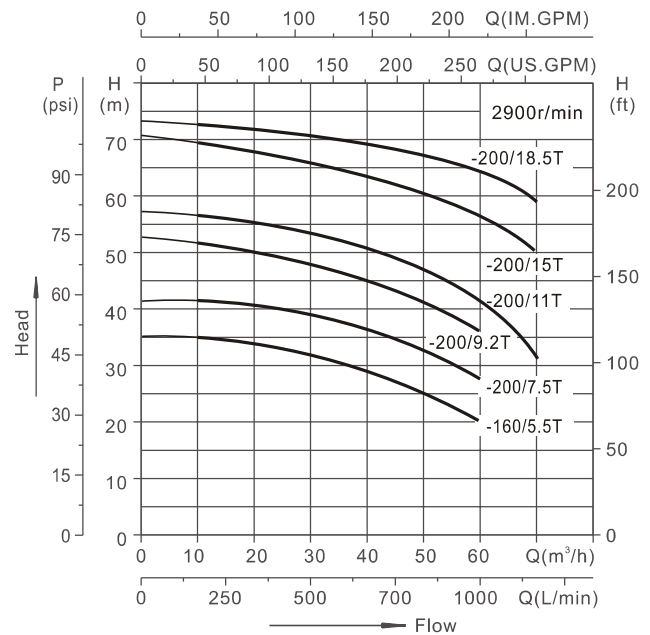
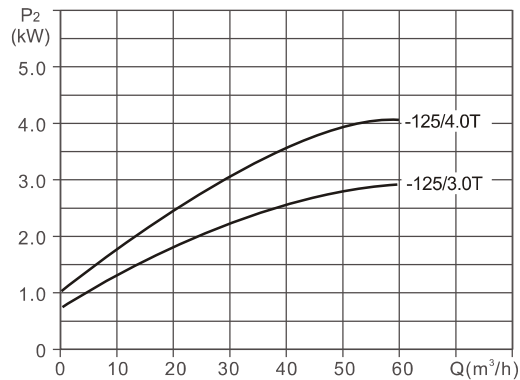
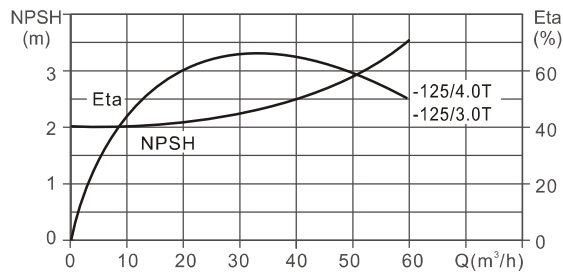
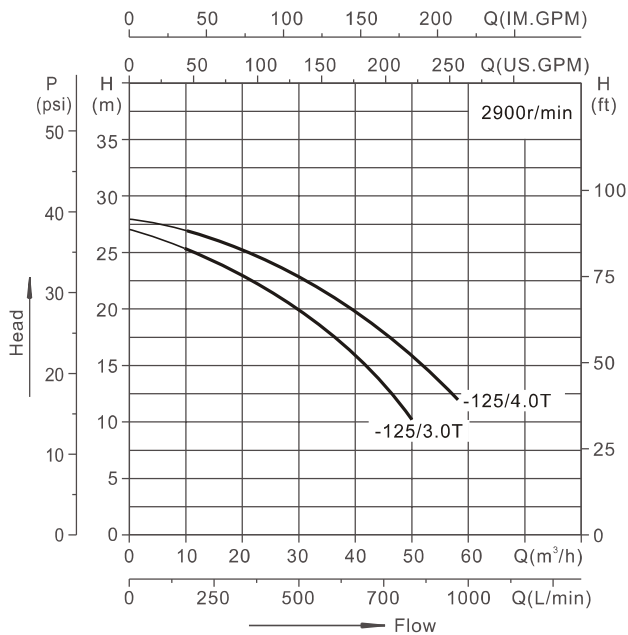
(GA65-40,GAB65-40) Performance curves



EN 733 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	5	10	15	20	25	30	35	40
GA(B)65-40-125/1.5(T)	1.5	13	25	H (m)	20	19	17.5	16	13	10.5	—	—
GA(B)65-40-125/2.2(T)	2.2	20	25		27	26	24	22	20	17	14	—
GA(B)65-40-125/3.0T	3.0	25	25		31	30	29	27	25	22	18	—
GA(B)65-40-160/4.0T	4.0	31	25		39	38	36.5	34	31	28	24	19
GA(B)65-40-200/5.5T	5.5	41	25		47	46	45.5	44	41	38	34	30
GA(B)65-40-200/7.5T	7.5	48	25		52	51.5	51	50	48	45	42	38
GA(B)65-40-200/11T	11	68	25		69	69	68.5	68	68	66	64	60

Technical data

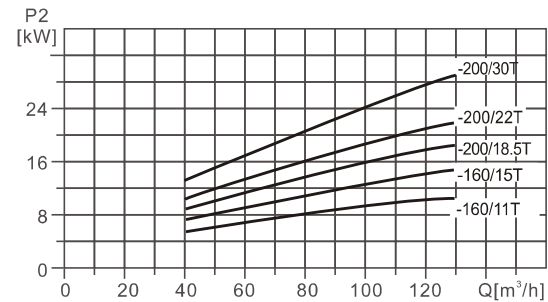
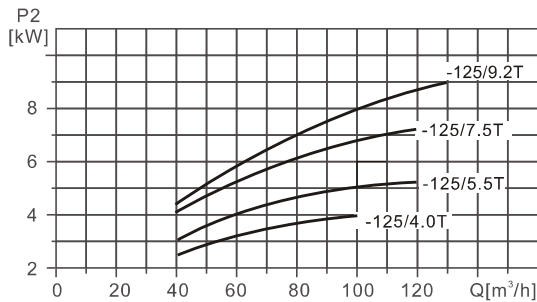
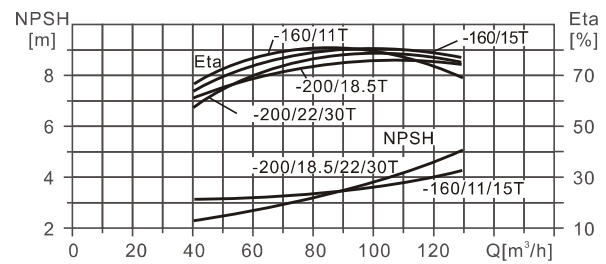
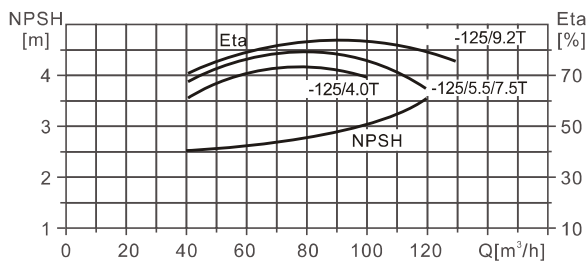
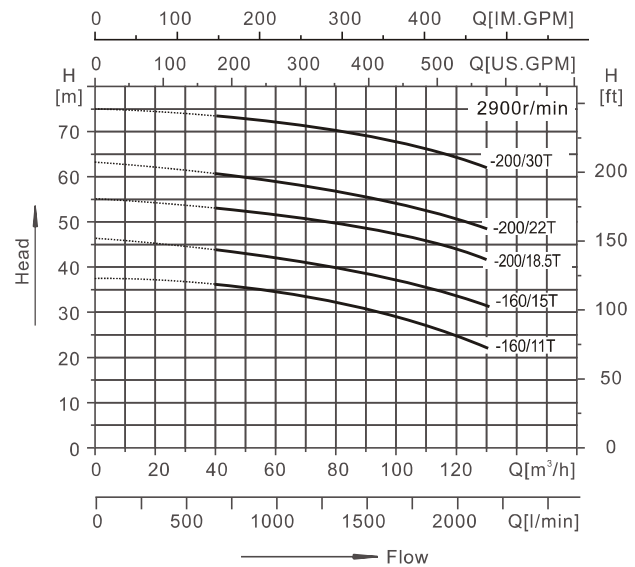
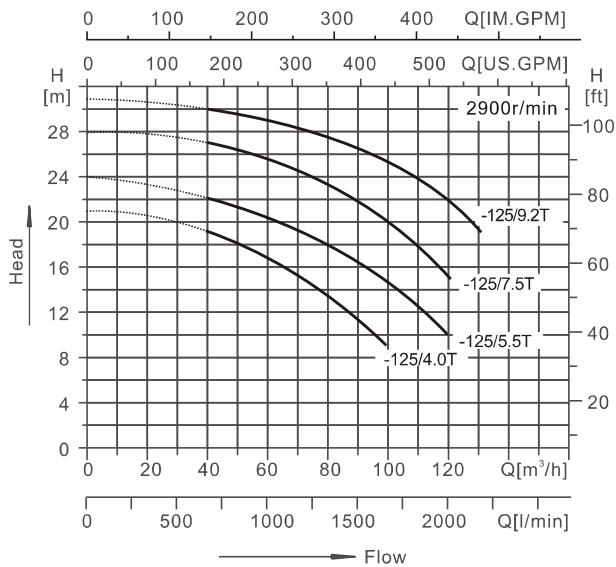
(GA65-50 ,GAB65-50) Performance curves



EN 733 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	5	10	20	30	40	50	60	70
GA(B)65-50-125/3.0T	3.0	16	40	H (m)	27	26	23	20	16	10	—	—
GA(B)65-50-125/4.0T	4.0	21	40		28	27	26	24	21	16	—	—
GA(B)65-50-160/5.5T	5.5	24	50		34.5	34.5	34	31.5	28.5	24	20	—
GA(B)65-50-200/7.5T	7.5	32	50		41	41	40.5	39	36	32	27.5	—
GA(B)65-50-200/9.2T	9.2	41	50		52	52	51	49	45	41	37	—
GA(B)65-50-200/11T	11	48	50		57	56	55	53	51	48	42	30
GA(B)65-50-200/15T	15	62	50		69	68	67	65	64	62	57	50
GA(B)65-50-200/18.5T	18.5	68	50		73	72	71	70	69	68	65	59

Technical data

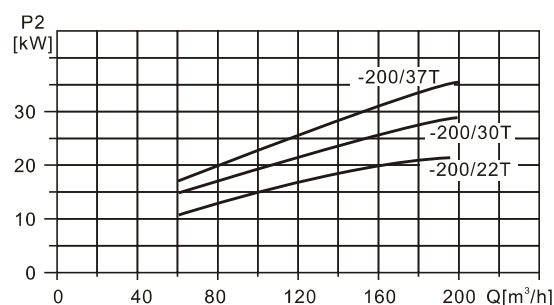
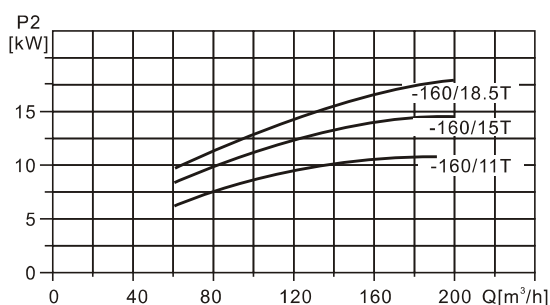
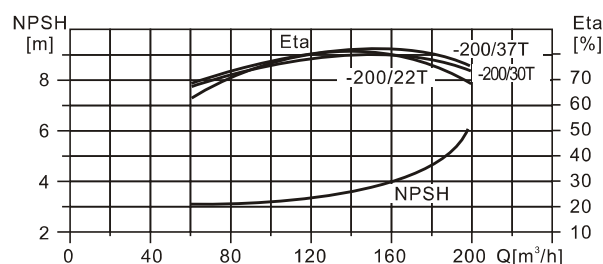
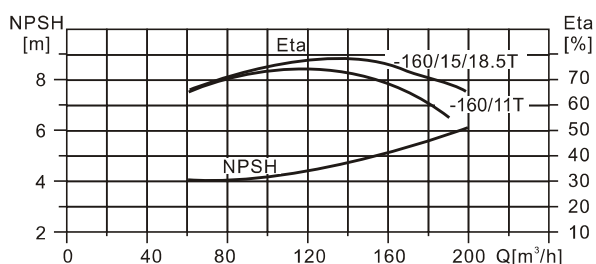
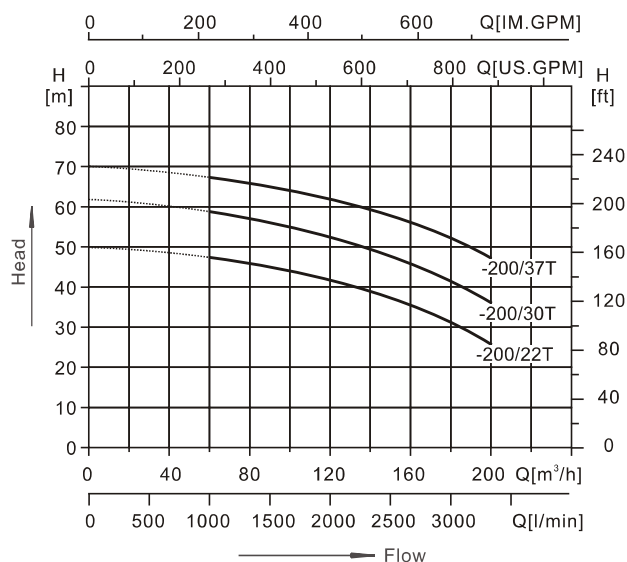
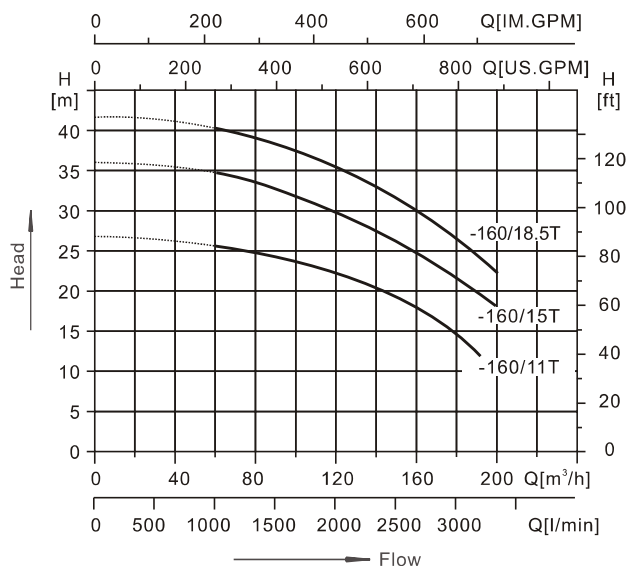
(GA80-65, GAB80-65) Performance curves



EN 733 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	40	50	60	70	80	90	100	110	120	130
GA(B)80-65-125/4.0T	4.0	13	80	H (m)	19	18	17	15	13	11	9	—	—	—
GA(B)80-65-125/5.5T	5.5	13	100		22	21	20	19	18	17	13	12	10	—
GA(B)80-65-125/7.5T	7.5	19	100		27	26	25	24	23	22	19	18	15	—
GA(B)80-65-125/9.2T	9.2	23	100		30	29	29	28	27	26	23	22	21	19
GA(B)80-65-160/11T	11	30	100		36	35	34	33	32	31	30	27	25	22
GA(B)80-65-160/15T	15	37	100		44	43	42	40	39	38	37	36	34	32
GA(B)80-65-200/18.5T	18.5	47	100		53	52	51	50	49	48	47	45	44	41
GA(B)80-65-200/22T	22	50	100		60	59	58	57	56	51	50	48	44	41
GA(B)80-65-200/30T	30	62	100		72	72	71	70	69	65	62	61	60	59

Technical data

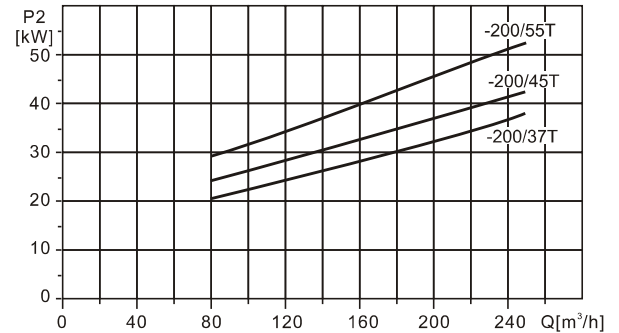
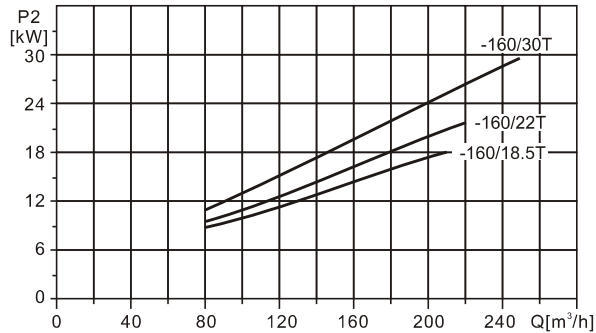
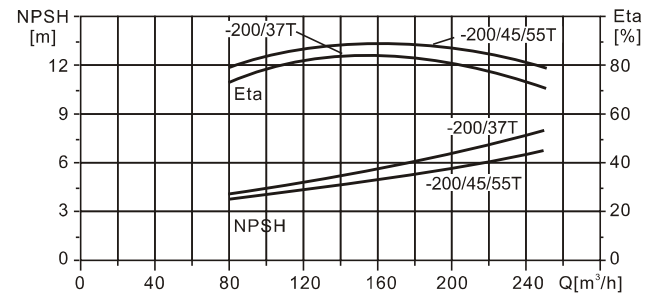
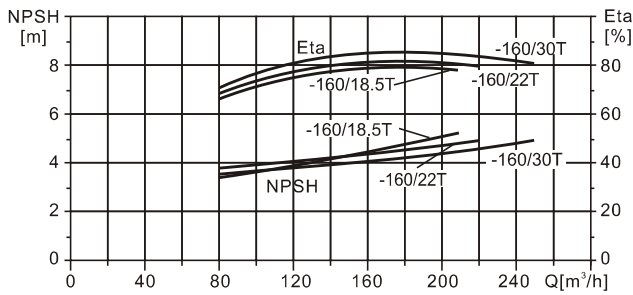
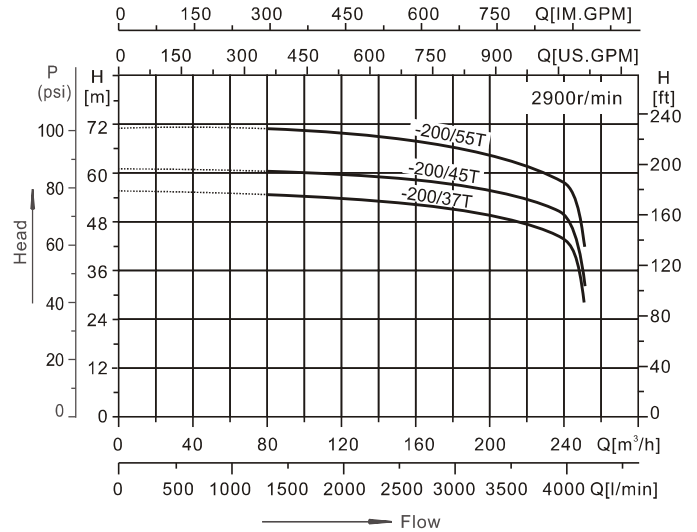
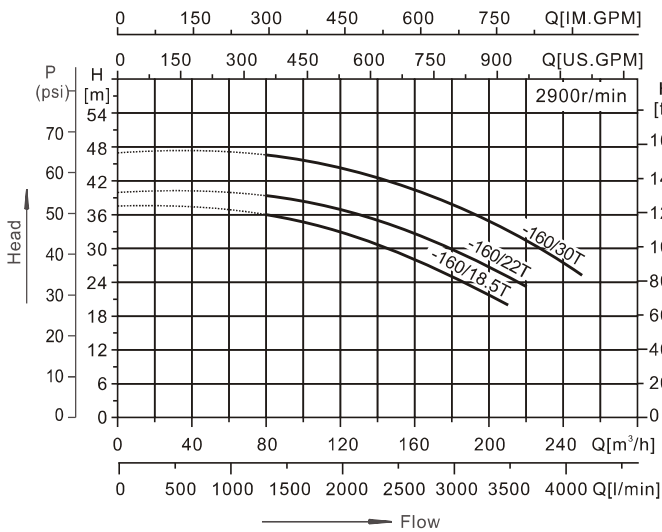
(GA100-80 , GAB100-80) Performance curves



EN 733 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	60	80	100	120	140	160	180	192	200
GA(B)100-80-160/11T	11	15	160	H (m)	26	25	23	22	20	15	14	11	—
GA(B)100-80-160/15T	15	22	160		35	33	31	29	27	22	21	20	18
GA(B)100-80-160/18.5T	18.5	28	160		38	37	36	35	33	28	27	25	22
GA(B)100-80-200/22T	22	36	160		46	44	42	40	38	36	31	29	26
GA(B)100-80-200/30T	30	45	160		57	56	55	53	50	45	44	42	39
GA(B)100-80-200/37T	37	54	160		66	65	63	61	59	54	53	51	48

Technical data

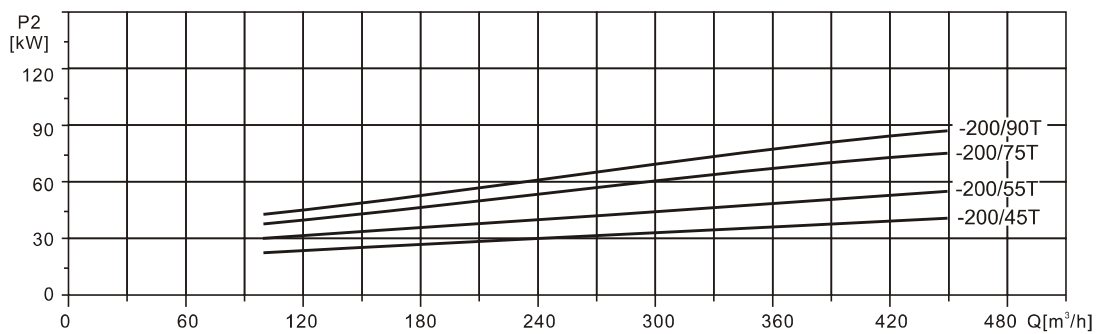
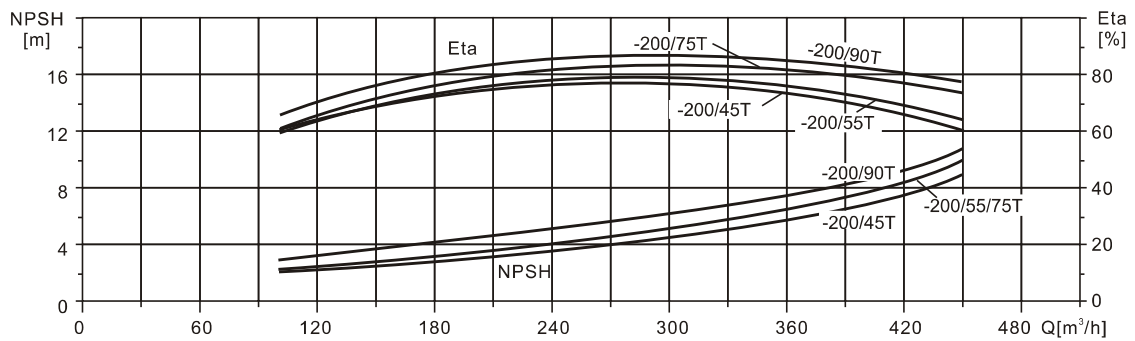
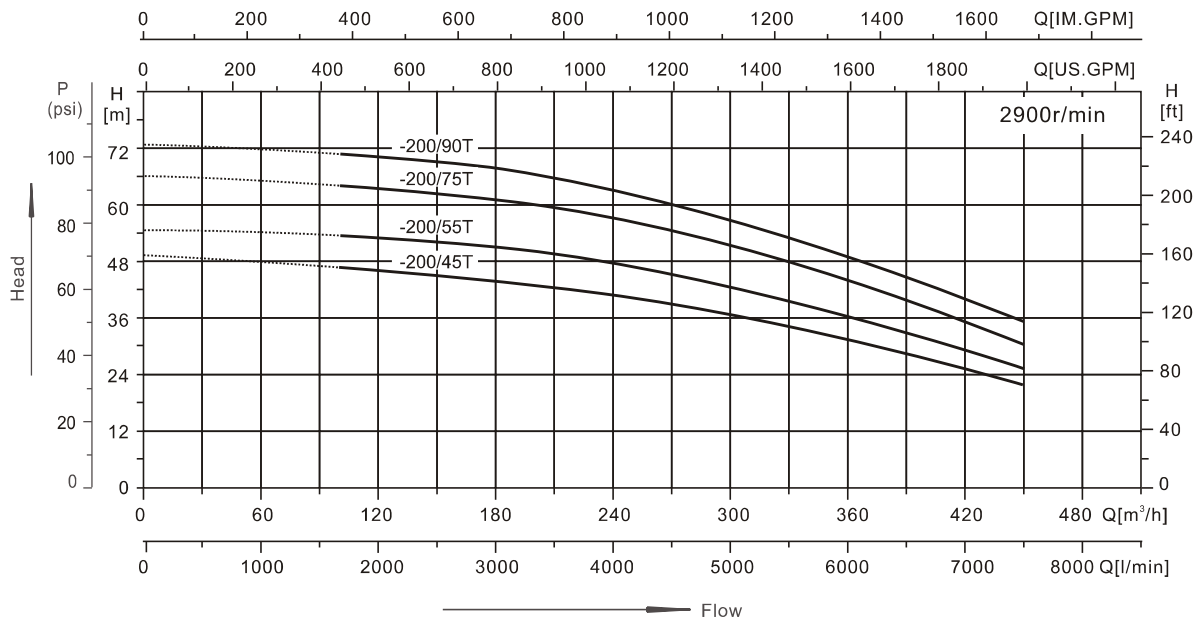
(GA125-100 ,GAB125-100) Performance curves



EN 733 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	80	100	120	140	160	180	200	210	220	240	250
GA(B)125-100-160/18.5T	18.5	25	180	H (m)	36	34.5	32.5	30.5	28	25	21.5	19	-	-	-
GA(B)125-100-160/22T	22	30	180		39	38	37	34.5	32.5	30	26.5	25	23	-	-
GA(B)125-100-160/30T	30	35	200		46.5	45.5	43.5	42	40	37	35	33	32	28	25
GA(B)125-100-200/37T	37	50	200		54.5	54	54	54	53	52	50	49	47.5	44	28
GA(B)125-100-200/45T	45	57	200		60.5	60.5	60.5	60	59	58.5	57	56	54.5	50	30
GA(B)125-100-200/55T	55	65	200		71	70	69.5	69	68	66.5	65	63.5	62	57	40

Technical data

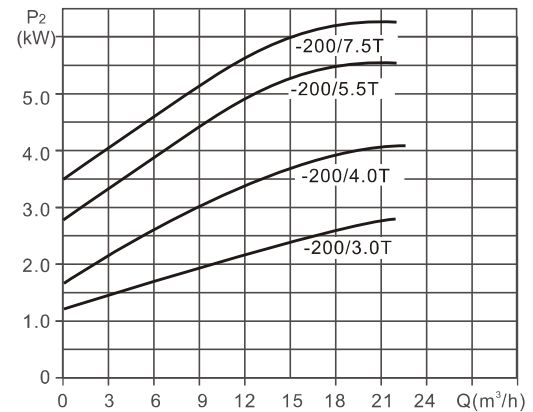
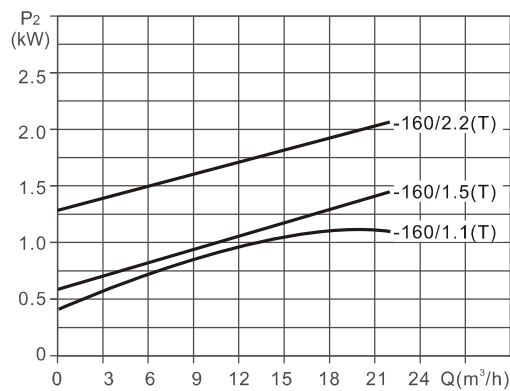
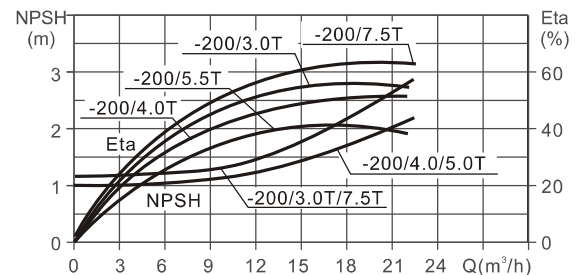
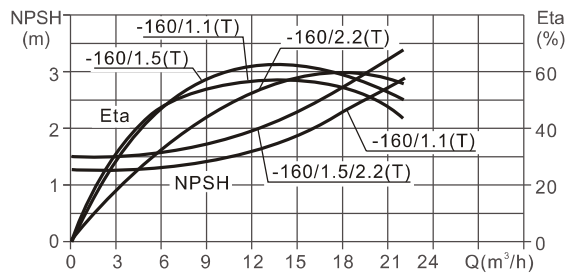
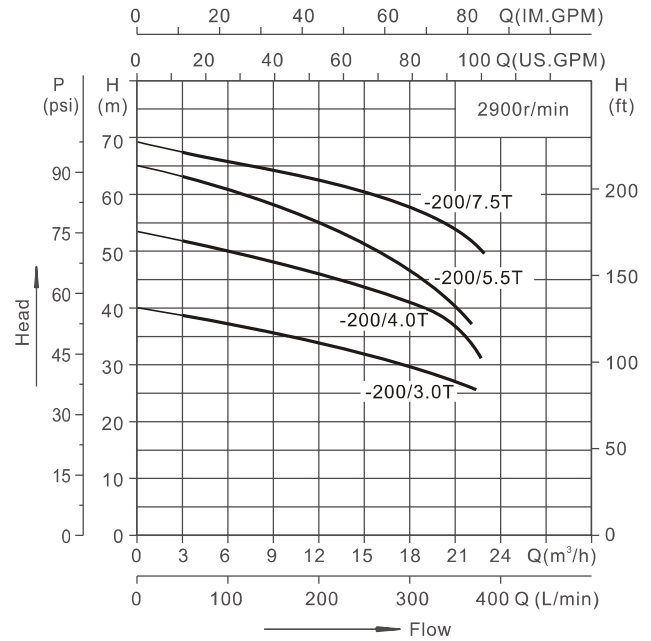
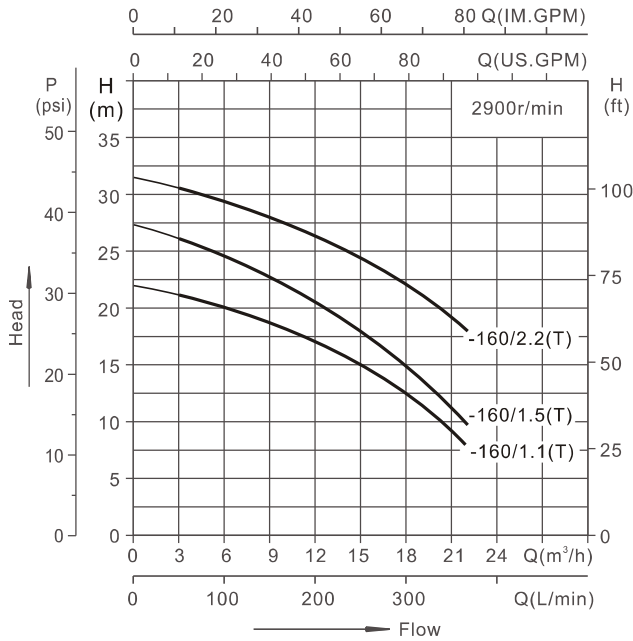
(GA150-125, GAB150-125) Performance curves



EN 733 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	100	120	160	200	240	280	320	340	360	400	450
GA(B)150-125-200/45T	45	35.5	320	H (m)	48	47	44.5	42	40	38	35.5	33.5	32	27	22
GA(B)150-125-200/55T	55	42	320		54	53.5	51.5	50	46.5	44.5	42	40	38	33	25
GA(B)150-125-200/75T	75	49	320		64	63	62	60	55	53	49	47	44	38	30
GA(B)150-125-200/90T	90	54	320		71	70	69	66.5	61	59	54	52	49	42	35

Technical data

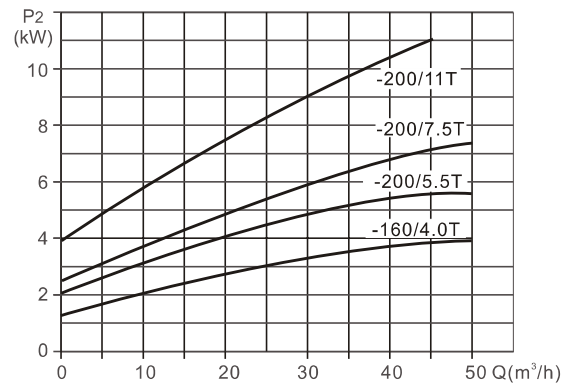
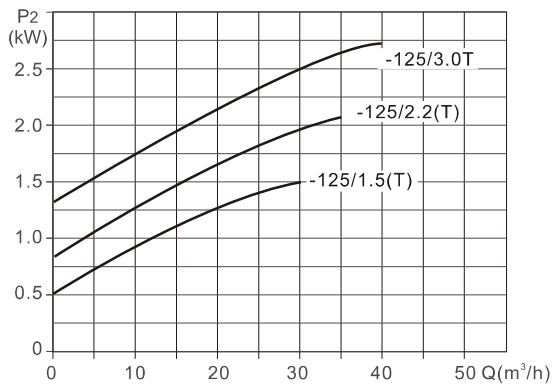
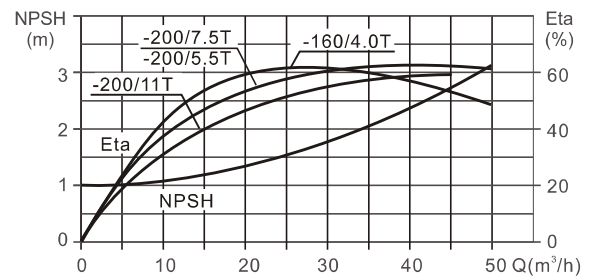
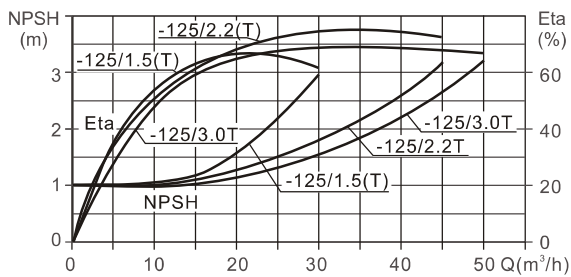
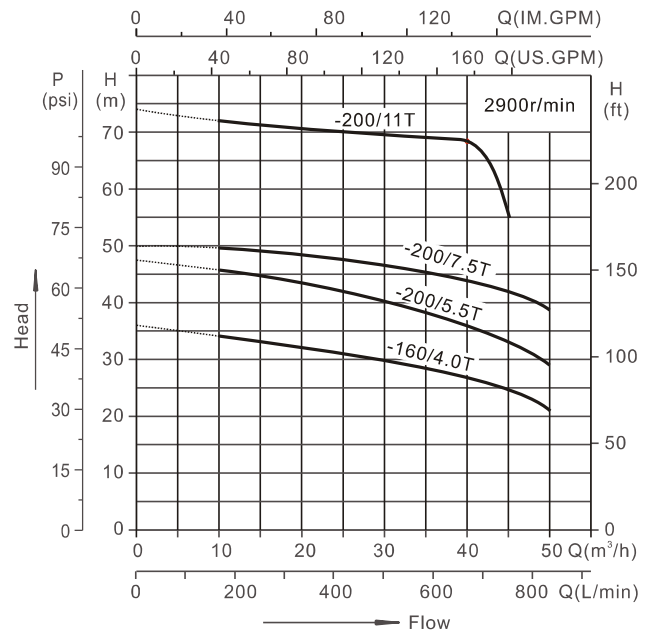
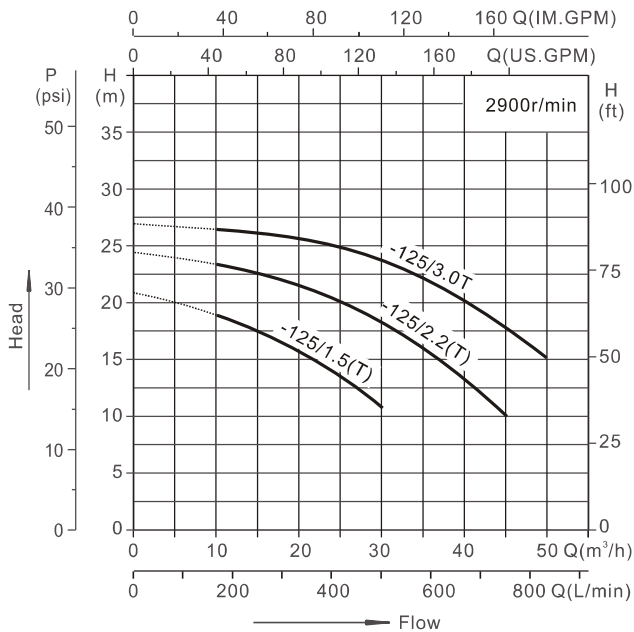
(GAG50-32,GAGB50-32) Performance curves



GB5662 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	3	6	9	12.5	15	18	20	22
GAG(B)50-32-160/1.1(T)	1.1	16.5	12.5	H (m)	21	20	18.5	16.5	15	12.5	10	8
GAG(B)50-32-160/1.5(T)	1.5	20	12.5		26	24.5	22.5	20	18.5	15	12.5	9.5
GAG(B)50-32-160/2.2(T)	2.2	26	12.5		30.5	29.5	27.5	26	24	22.5	20.5	18
GAG(B)50-32-200/3.0T	3.0	34	12.5		38	37	35	34	32	30	28	26
GAG(B)50-32-200/4.0T	4.0	45	12.5		51.5	50	48	45	43	41	39	30
GAG(B)50-32-200/5.5T	5.5	54	12.5		62	60	58	54	52	47	42	37
GAG(B)50-32-200/7.5T	7.5	62.5	12.5		68	66	64	62.5	62	60	58	57

Technical data

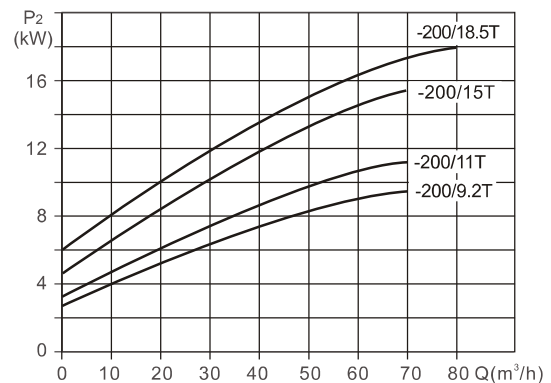
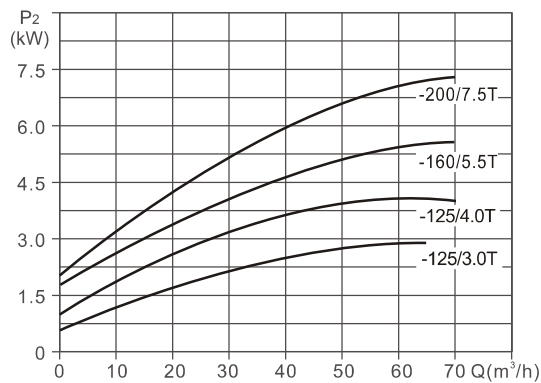
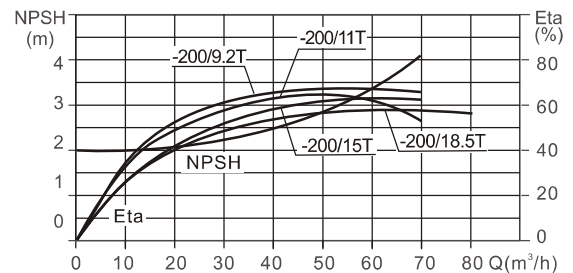
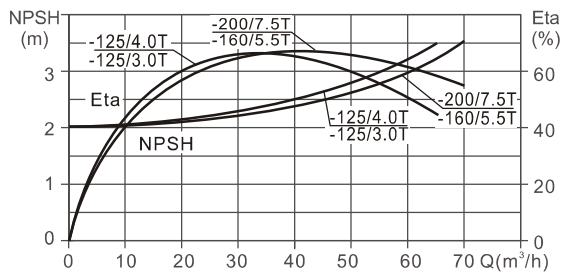
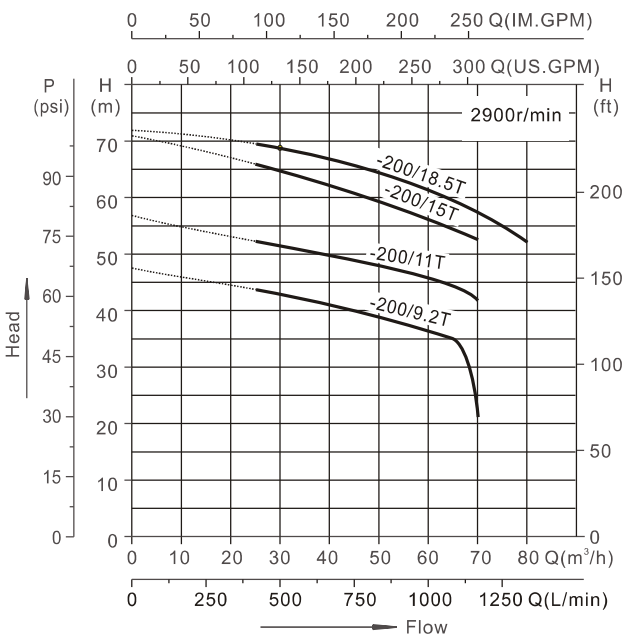
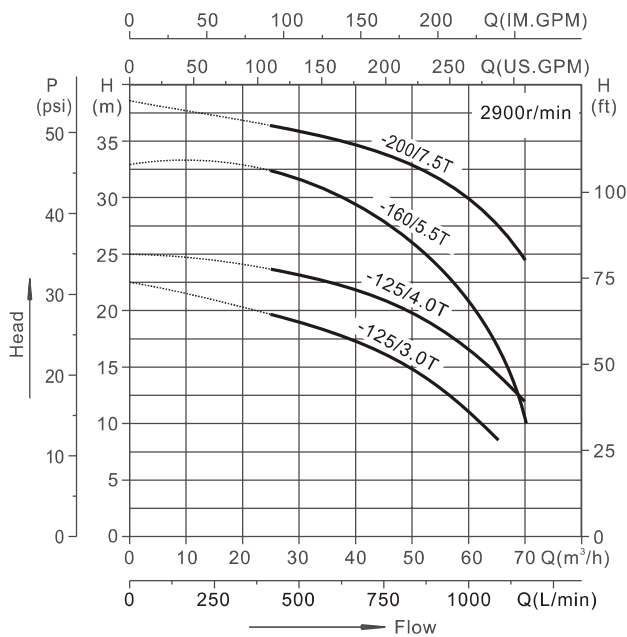
(GAG65-50/40,GAGB65-50/40) Performance curves



GB5662 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	10	15	20	25	30	35	40	45	50
GAG(B)65-50-125/1.5(T)	1.5	13	25	H (m)	19	17.5	16	13	10.5	-	-	-	-
GAG(B)65-50-125/2.2(T)	2.2	20	25		23.5	22.5	21.5	20	18	15	14	10	-
GAG(B)65-50-125/3.0T	3.0	25	25		26.5	26	25.5	25	23.5	22	20	18	15
GAG(B)65-50-160/4.0T	4.0	31	25		34	33	32	31	30	28	27	25	21
GAG(B)65-40-200/5.5T	5.5	42.5	25		45.5	45	44	42.5	41	38	35.5	32	29
GAG(B)65-40-200/7.5T	7.5	48	25		49.5	49	48.5	48	47	45.5	44	42	39
GAG(B)65-40-200/11T	11	70	25		72	71	70.5	70	70	69.5	68.5	55	-

Technical data

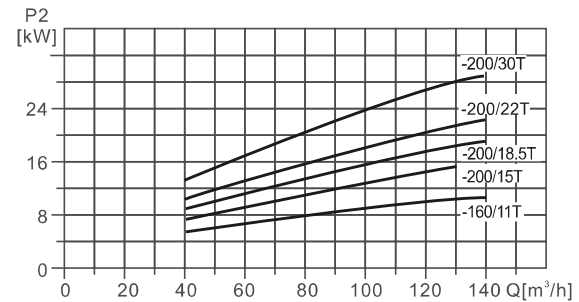
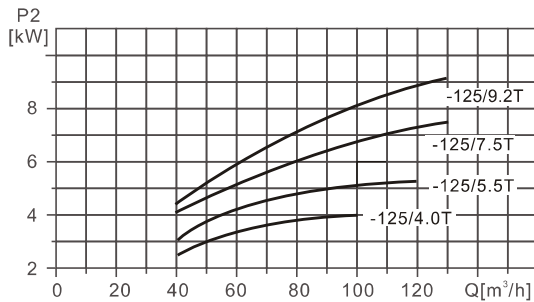
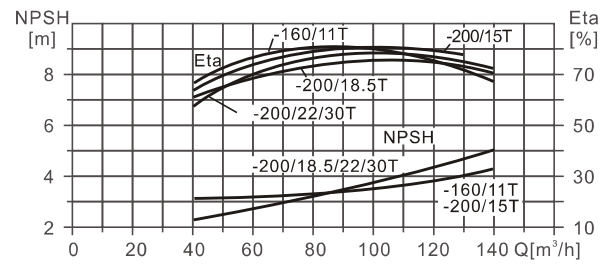
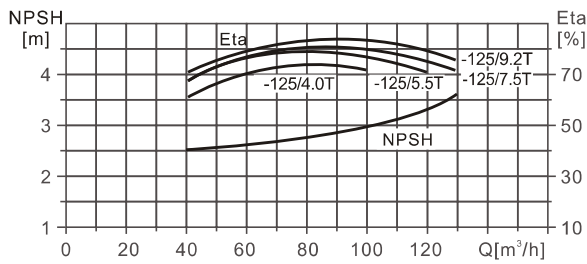
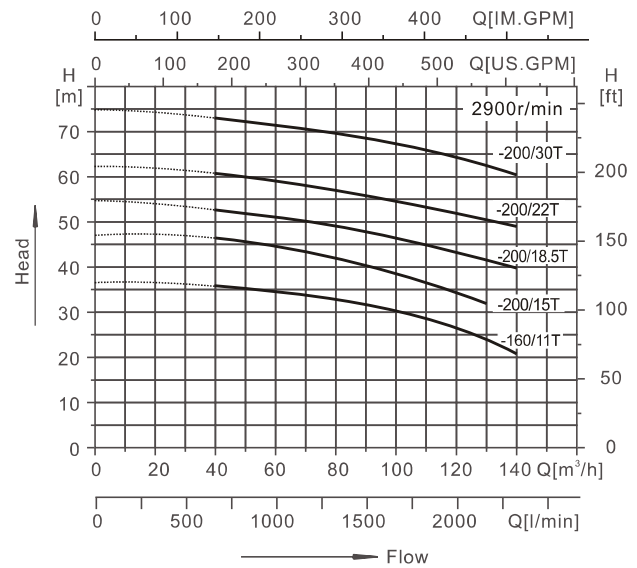
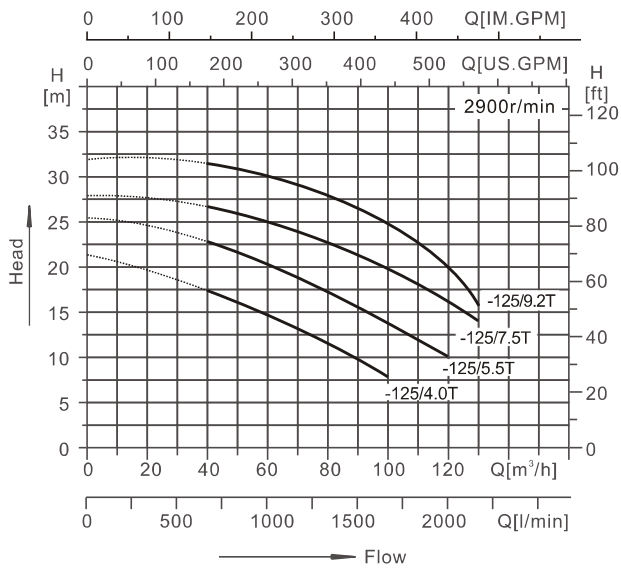
(GAG80-65,50,GAGB80-65,50) Performance curves



GB5662 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	25	30	35	40	45	50	55	60	65	70	80
GAG(B)80-65-125/3.0T	3.0	15	50	H (m)	19.5	19	18.5	17.5	16.5	15	13	11	8.5	-	-
GAG(B)80-65-125/4.0T	4.0	20	50		23.5	23	22.5	22	21	20	18.5	16.5	14.5	12	-
GAG(B)80-65-160/5.5T	5.5	25.5	50		32.5	32	31	29.5	27.5	25.5	23.5	20.5	17.5	10	-
GAG(B)80-65-200/7.5T	7.5	33	50		36.5	35.5	35	34.5	34	33	31.5	30	27.5	24.5	-
GAG(B)80-50-200/9.2T	9.2	39	50		43	42	41	40	39.5	39	38.5	38	35	21	-
GAG(B)80-50-200/11T	11	48	50		53	52	51	49	48.5	48	47.5	47	45	42	-
GAG(B)80-50-200/15T	15	59	50		66	65	64	62.5	61	59	57	55	54.5	54	-
GAG(B)80-50-200/18.5T	18.5	64	50		70	69	68	67	65.5	64	63	61	60	58	52

Technical data

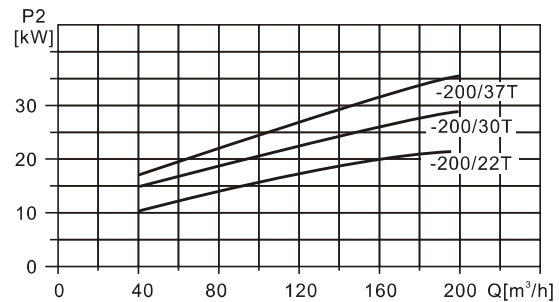
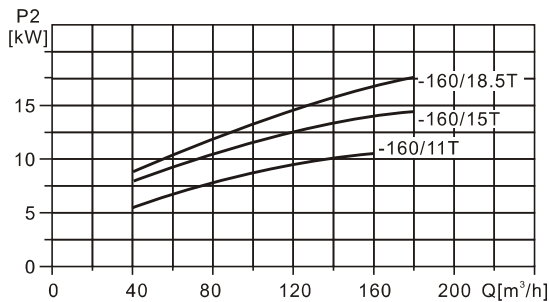
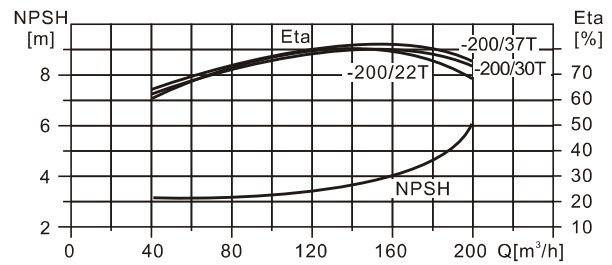
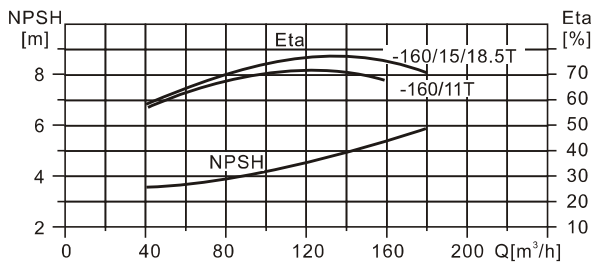
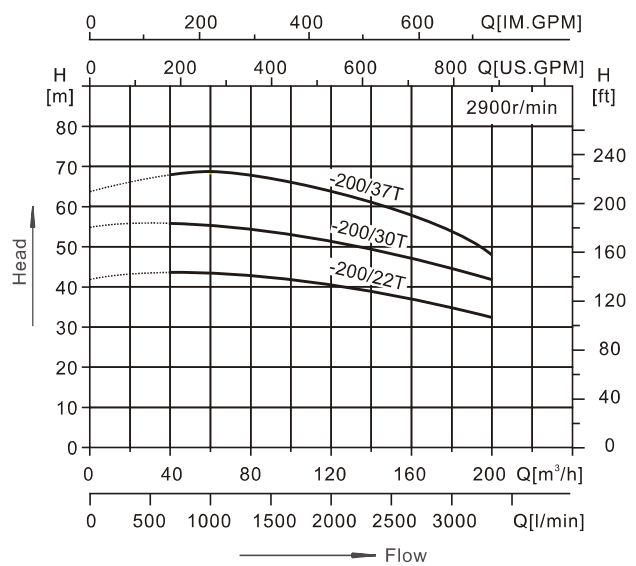
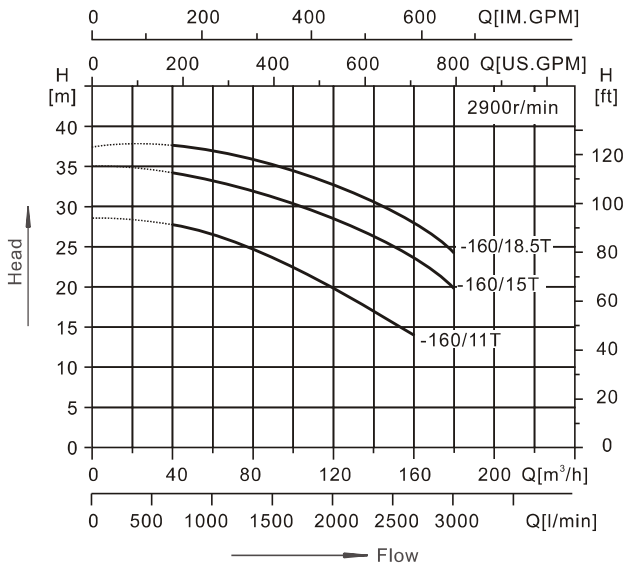
(GAG100-80,65,GAGB100-80,65) Performance curves



GB5662 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	40	50	60	70	80	90	100	110	120	130	140
GAG(B)100-80-125/4.0T	4.0	11.5	80	H (m)	17.5	16	14.5	13	11.5	10	8	-	-	-	-
GAG(B)100-80-125/5.5T	5.5	14	100		23	21.5	20	19	17	16	14	13	10	-	-
GAG(B)100-80-125/7.5T	7.5	20.5	100		28	27	26	24.5	23	21.5	20.5	19	18	15	-
GAG(B)100-80-125/9.2T	9.2	24.5	100		31.5	31	30	29	27.5	26	24.5	23	22	20.5	18
GAG(B)100-80-160/11T	11	30	100		37	36	35	34	33	31.5	30	28	26	24	21
GAG(B)100-65-200/15T	15	38	100		47	46	44.5	43.5	42	40	38	36	33.5	32	-
GAG(B)100-65-200/18.5T	18.5	47	100		53	52	51	50	49	48	47	45	44	41	40
GAG(B)100-65-200/22T	22	50	100		60	59	58	57	56	51	50	48	44	41	40
GAG(B)100-65-200/30T	30	62	100		72	72	71	70	69	65	62	61	60	59	58

Technical data

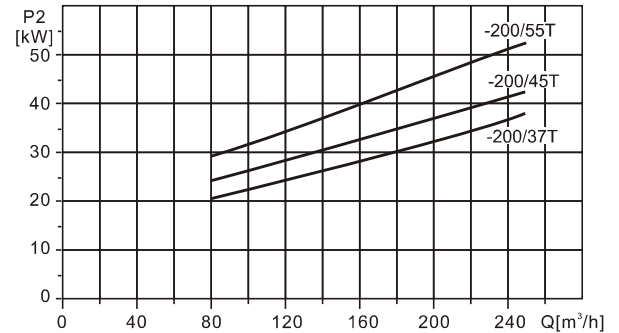
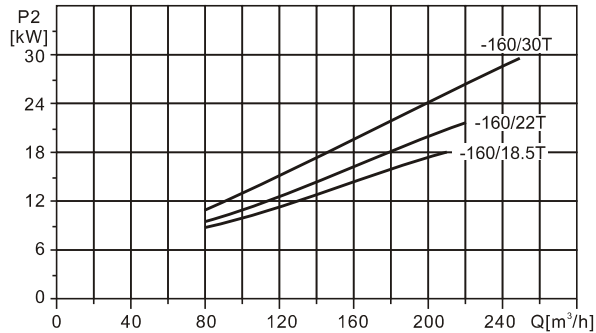
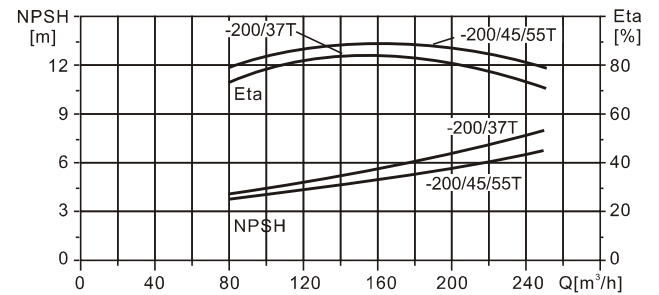
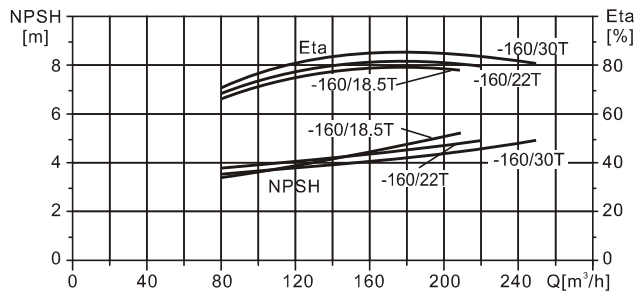
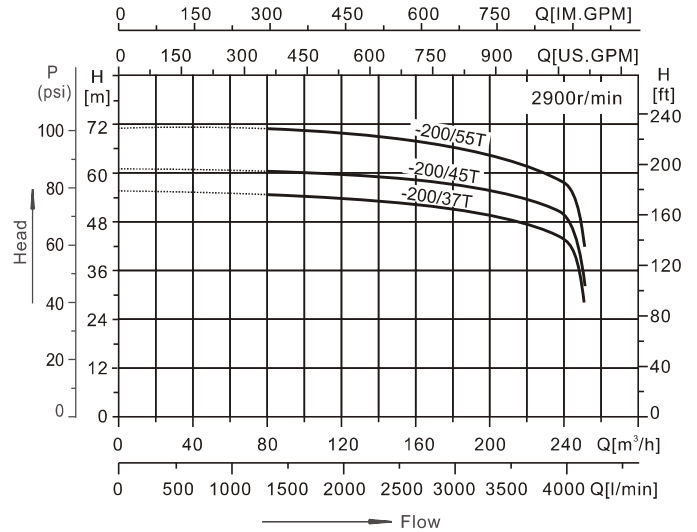
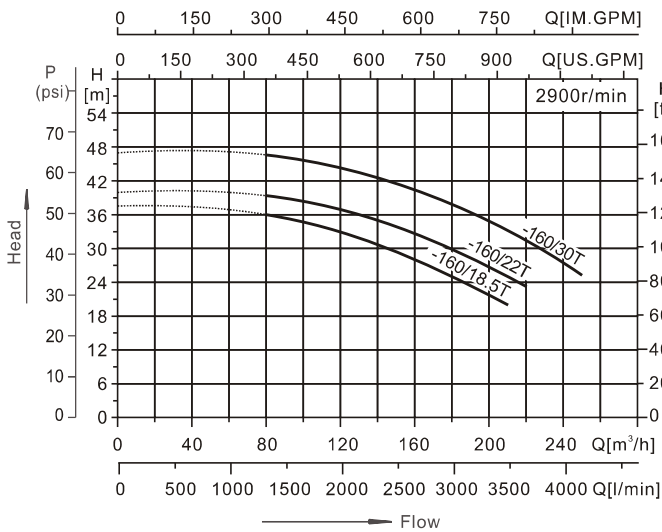
(GAG125-80,GAGB125-80) Performance curves



GB5662 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	40	60	80	100	110	120	130	140	160	180	200
GAG(B)125-80-160/11T	11	17	140	H (m)	27.5	26	24.5	23	22	20	18.5	17	14	-	-
GAG(B)125-80-160/15T	15	23.5	160		34	33	32	30.5	29.5	28.5	27.5	26.5	23.5	20	-
GAG(B)125-80-160/18.5T	18.5	27.5	160		37.5	37	35	33	32	31.5	31	30.5	27.5	24	-
GAG(B)125-80-200/22T	22	37	160		44	43.5	42.5	41.5	40.5	40	39.5	38.5	37	34.5	32.5
GAG(B)125-80-200/30T	30	47	160		56	55.5	54.5	53	52	51	50	49	47	45.5	43
GAG(B)125-80-200/37T	37	58.5	160		66.5	68.5	66.5	65	63	62.5	61	60	58.5	55	48

Technical data

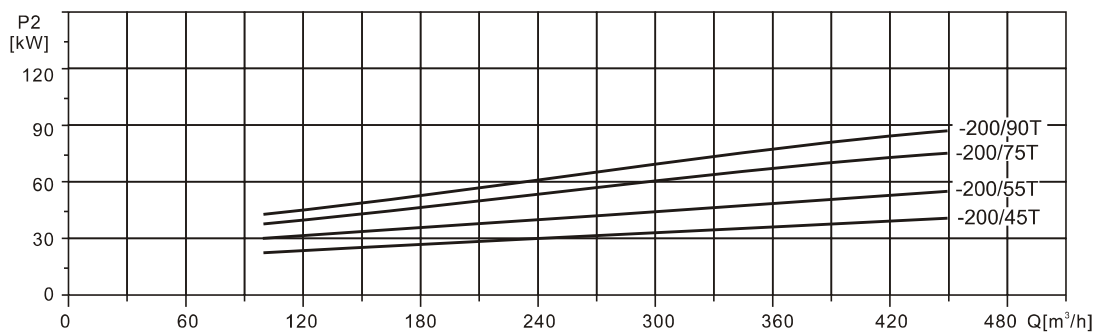
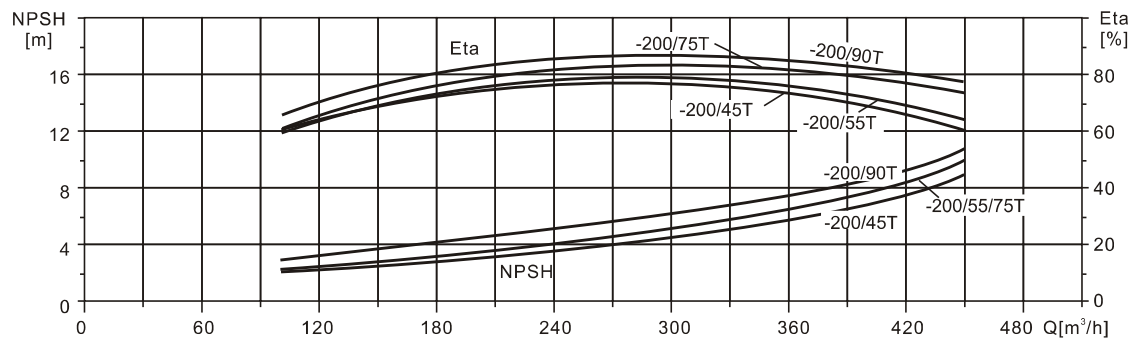
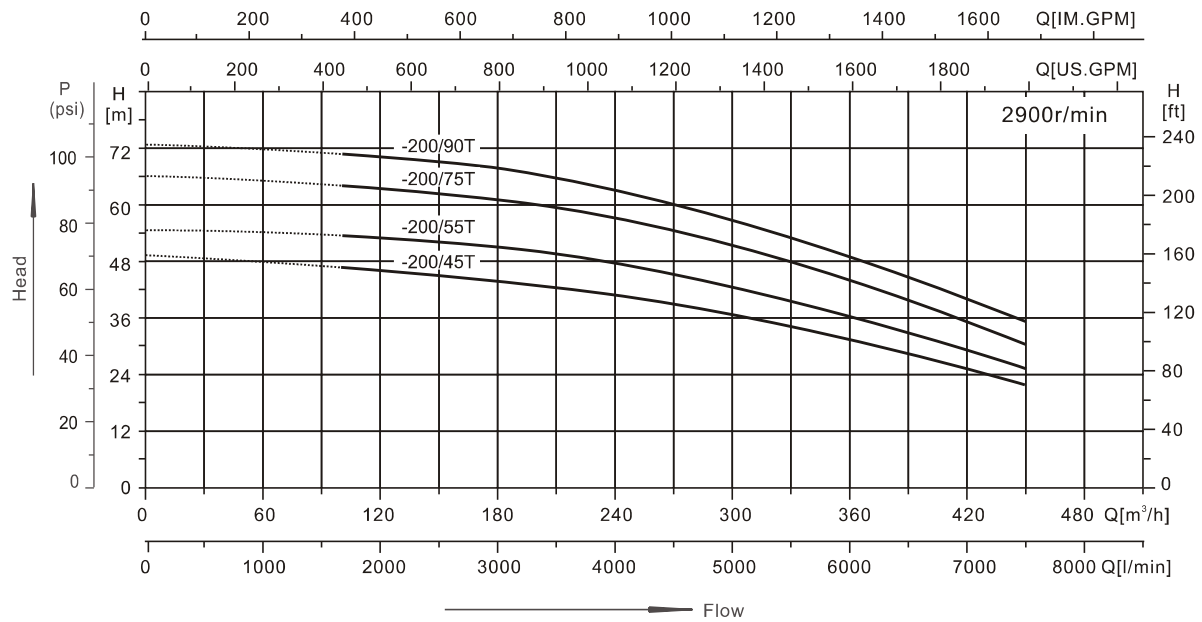
(GAG125-100 ,GAGB125-100) Performance curves



GB5662 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	80	100	120	140	160	180	200	210	220	240	250
GAG(B)125-100-160/18.5T	18.5	25	180	H (m)	36	34.5	32.5	30.5	28	25	21.5	19	-	-	-
GAG(B)125-100-160/22T	22	30	180		39	38	37	34.5	32.5	30	26.5	25	23	-	-
GAG(B)125-100-160/30T	30	35	200		46.5	45.5	43.5	42	40	37	35	33	32	28	25
GAG(B)125-100-200/37T	37	50	200		54.5	54	54	54	53	52	50	49	47.5	44	28
GAG(B)125-100-200/45T	45	57	200		60.5	60.5	60.5	60	59	58.5	57	56	54.5	50	30
GAG(B)125-100-200/55T	55	65	200		71	70	69.5	69	68	66.5	65	63.5	62	57	40

Technical data

(GAG150-125,GAGB150-125) Performance curves



GB5662 Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	100	120	160	200	240	280	320	340	360	400	450
GAG(B)150-125-200/45T	45	35.5	320	H (m)	48	47	44.5	42	40	38	35.5	33.5	32	27	22
GAG(B)150-125-200/55T	55	42	320		54	53.5	51.5	50	46.5	44.5	42	40	38	33	25
GAG(B)150-125-200/75T	75	49	320		64	63	62	60	55	53	49	47	44	38	30
GAG(B)150-125-200/90T	90	54	320		71	70	69	66.5	61	59	54	52	49	42	35

The pipe flow loss table(The water flow loss of the new cast iron pipe per 100m)

Flow			Internal diameter of pipe(mm)															
m³/h	l/min		15 1/2"	20 3/4"	25 1"	32 1¼"	40 1½"	50 2"	65 2½"	80 3"	100 4"	125 5"	150 6"	175 7"	200 8"	250 10"	300 12"	350 14"
0.6	10		V Hr 0.94 11.8	0.53 2.82	0.34 1	0.21 0.25												
0.9	15		V Hr 1.42 25.1	0.8 6.04	0.51 2.16	0.31 0.55						The pressure loss of the other pipe need to be multiplied by the following factors base on the numeric value of the new cast iron pipe. Stainless steel pipe: 0.80 polyvinyl chloride pipe : 0.76 aluminum pipe: 0.70 stoneware pipe: 0.80 welding pipe: 0.80 galvanized iron pipe: 1.17 Cement pipe: 1.30 Light rust steel pipe: 2.10 Serious scaling pipe: 3.60						
1.2	20		V Hr 1.89 43.1	1.06 10.4	0.68 3.72	0.41 0.95	0.27 0.31											
1.5	25		V Hr 2.36 64.5	1.33 15.8	0.85 5.68	0.52 1.47	0.33 0.47											
1.8	30		V Hr 2.83 92	1.59 22.3	1.02 8.0	0.62 2.09	0.40 0.66											
2.1	35		V Hr 3.3 123	1.86 29.8	1.19 10.8	0.73 2.81	0.46 0.89	0.3 0.31										
2.4	40		V Hr 3.77 164	2.12 38.2	1.36 13.8	0.83 3.65	0.53 1.15	0.34 0.4										
3.0	50		V Hr 	2.65 58.2	1.7 21.5	1.04 5.6	0.66 1.75	0.42 0.61										
3.6	60		V Hr 	3.18 82	2.04 30	1.24 8.0	0.8 2.48	0.51 0.86										
4.2	70		V Hr 	3.72 110	2.38 40	1.45 10.8	0.93 3.33	0.59 1.14										
4.8	80		V Hr 	4.25 141	2.72 51.5	1.66 13.9	1.06 4.3	0.68 1.46										
5.4	90		V Hr 		3.06 64	1.87 17.5	1.19 5.4	0.76 1.82	0.45 0.46									
6.0	100		V Hr 		3.4 79	2.07 21.4	1.33 6.6	0.85 2.22	0.5 0.56									
7.5	125		V Hr 		4.25 120	2.59 33	1.66 10	1.06 3.4	0.63 0.86									
9.0	150		V Hr 			3.11 47	1.99 14.2	1.27 4.74	0.75 1.21	0.5 0.43								
10.5	175		V Hr 			3.63 63	2.32 19	1.49 6.3	0.88 1.63	0.58 0.57								
12	200		V Hr 			4.15 82	2.65 24.5	1.7 8.1	1.01 2.1	0.66 0.74								
15	250		V Hr 			5.18 126	3.32 37.5	2.12 12.3	1.26 3.2	0.83 1.12	0.53 0.36							
18	300		V Hr 				3.89 53	2.55 17.3	1.51 4.5	1.0 1.58	0.64 0.51							
24	400		V Hr 				5.31 92	3.4 29.5	2.01 7.8	1.33 2.7	0.85 0.89							
30	500		V Hr 				6.63 140	4.25 44.8	2.51 12	1.66 4.13	1.06 1.36	0.68 0.48						
36	600		V Hr 					5.1 63	3.02 16.9	1.99 5.8	1.27 1.93	0.82 0.68						
42	700		V Hr 					5.94 84	3.52 22.6	2.32 7.8	1.49 2.6	0.95 0.9						
48	800		V Hr 					6.79 108	4.02 29	2.65 10	1.7 3.35	1.09 1.16	0.75 0.43					
54	900		V Hr 					7.64 134	4.52 36	2.99 12.5	1.91 4.2	1.22 1.45	0.85 0.54					
60	1000		V Hr 						5.03 44.5	3.32 15.2	2.12 5.14	1.36 1.76	0.94 0.66					
75	1250		V Hr 						6.28 68	4.15 23	2.65 7.9	1.7 2.68	1.18 1.0	0.87 0.48				
90	1500		V Hr 						7.54 96	4.98 32.6	3.18 11.2	2.04 3.77	1.42 1.42	1.04 0.68				
105	1750		V Hr 						8.79 129	5.81 43.5	3.72 15	2.38 5.04	1.65 1.0	1.21 0.91	0.93 0.45			
120	2000		V Hr 							6.63 56	4.25 19.4	2.72 6.5	1.89 2.43	1.39 1.18	1.06 0.58	0.68 0.16		
150	2500		V Hr 							8.29 85	5.31 30	3.40 9.8	2.36 3.75	1.73 1.79	1.33 0.89	0.85 0.25		
180	3000		V Hr 							9.95 120	6.37 42	4.08 13.8	2.83 5.3	20.8 2.53	1.59 1.25	1.02 0.35	0.71 0.15	
300	5000		V Hr 								10.62 124.9	6.79 41.3	4.72 16.74	3.43 7.81	2.65 4.03	1.7 1.34	1.18 0.54	0.87 0.25
600	10000		V Hr 									13.59 161	9.44 65	6.93 30.2	5.31 15.6	3.4 5.16	2.36 2.09	1.73 0.97

Remarks: Hr: the pressure loss of the new cast iron pipe per 100m, unit: m; V :the fluid velocity in the pipe, unit: m/S



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