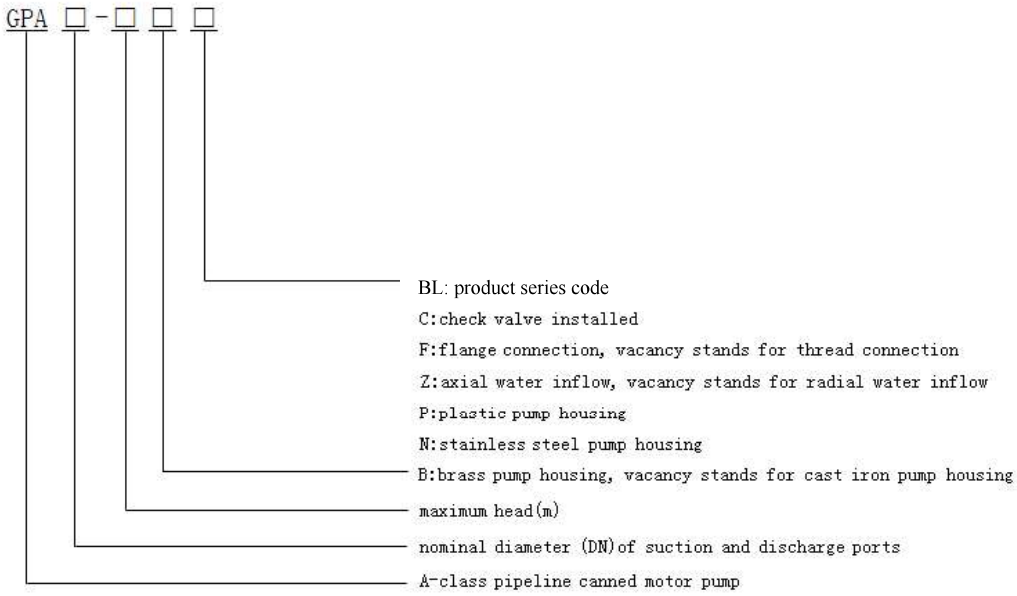
PRO	**Classic Datasheet**	Date：2023.08.14

1. Description

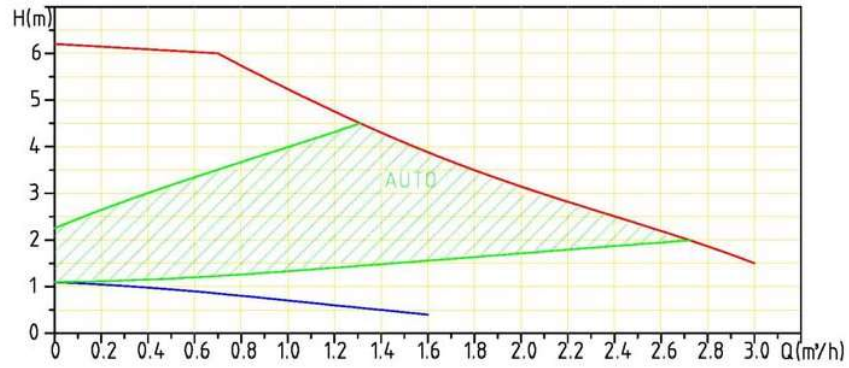


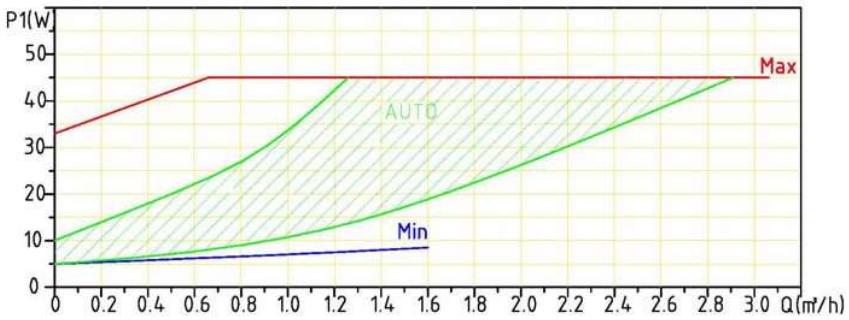
2. Product photo

3. GPA25-6 II BL performance curves:

PRO	**Classic Datasheet**	Date：2023.08.14

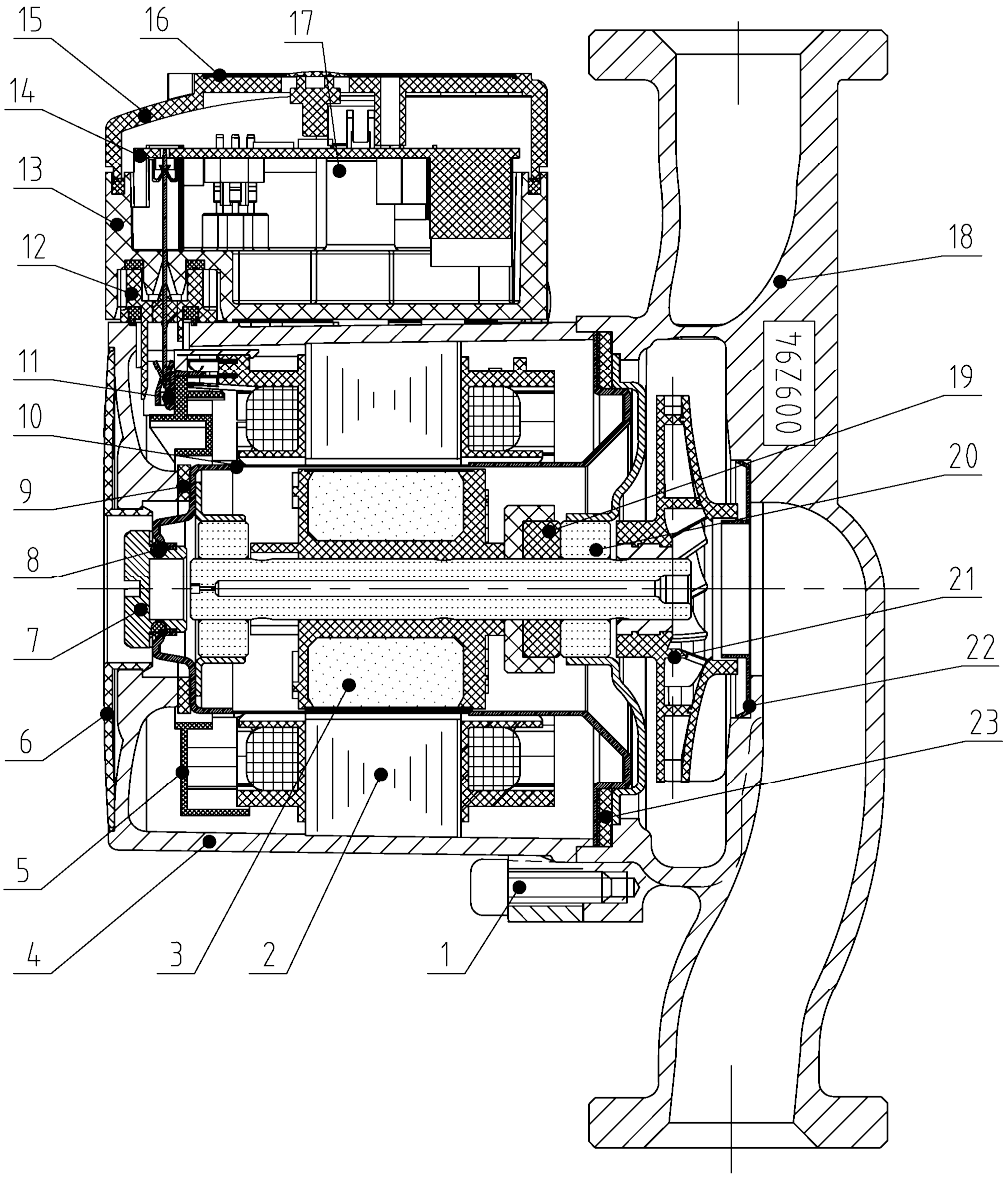
GPAXX-6 II





4. General assembly drawing& material description of main components

4.1 General assembly drawing



4.2 Material descriptions of main components

Number	Component	Material
1	Screw bolt	Galvanized
2	Stator wiring	Component
3	Rotor	Component
4	Motor housing	Aluminum ALSI9CU3
5	Upper cover	PA66+30%GF
6	Nameplate	PA66+laser powder
7	Venting screw	HPB59-1 nickel plated
8	Seal ring	EPDM
9	Gasket	EPDM
10	Rotor cann	Stainless steel 304
11	Connection part	Red copper
12	Power connector	Component
13	Terinal box	PC+TPE
14	Circuit board	Component
15	Terminal box cover	PC+10% GF
16	Mark	PET Polyester + Ink
17	Phillips screw	Galvanized/Copper
18	Pump housing	HT200
19	Front thrust bearing	Component
20	End shield	Component
21	Impeller	PA66+30% GF
22	Sandy bay	09Cr19Ni10
23	Gasket	EPDM

5. Packaging

5.1 Pump housing length 180mm

external dimension of inner carton：200^{+3}_{0} ×165^{+3}_{0} × 155^{+3}_{0} mm

(internal dimension：185^{+3}_{0} × 155^{+3}_{0} × 145^{+3}_{0} mm)

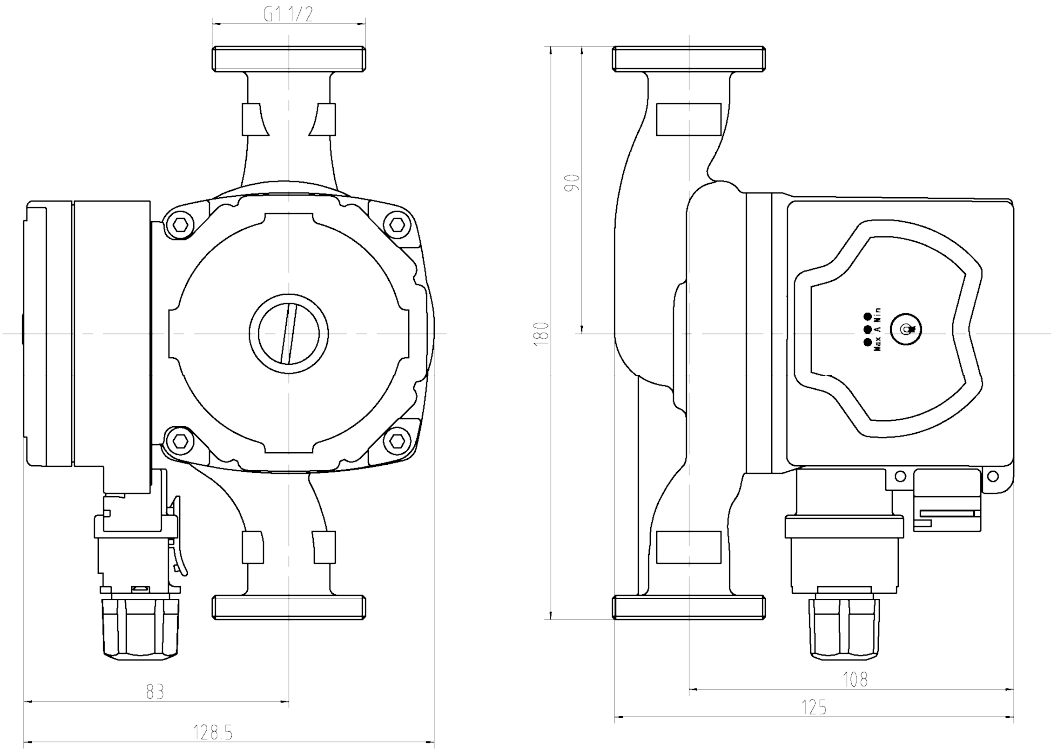
inner carton is single-corrugated, thickness 3.0±0.1mm.

5.2 Internal dimension of outer carton：420^{+3}_{0} × 345^{+3}_{0} × 160^{+3}_{0} mm(4pcs carton)

420^{+3}_{0} ×345^{+3}_{0} × 320^{+3}_{0} mm(8pcs carton)

outer carton is double-corrugated, thickness 5.0（-0.3～0）mm

6. Installation dimensions



7. Production line full-inspection

7.1 Motor workshop

7.1.1 Motor inter-turn surge test

7.1.2 Motor insulation resistance inspection

7.1.3 Motor dielectric withstanding voltage to ground

7.1.4 Direct-current resistance of motor winding

7.2 Assembly workshop

7.2.1 Motor inter-turn surge test

7.2.2 Complete pump air tightness test

7.2.3 Complete pump earthing resistance

7.2.4 Complete pump insulation resistance test

7.2.5 Complete pump dielectric withstanding voltage test

7.2.6 Complete pump current-leakage test

7.2.7 Complete pump low voltage start-up test

7.2.8 Complete pump no-load efficiency measurement

7.2.9 Complete pump no-load current measurement

8. Type tests

8.1 Corrosion resistance performance test of motor housing surface

8.2 Complete pump thermal shock test

8.3 Complete pump surge endurance test

8.4 Complete pump abrasion resistance test

8.5 Complete pump breakdown test

9. Product features

9.1 Low noise level

9.2 No leakage

9.3 Eco-friendly, aesthetic appearance, easy installation and reliable operation

10. Applications

10.1 Mainly applies to water circulation in domestic heating and domestic hot water systems.

11. Working conditions

11.1 Power supply: 230V，50Hz/60Hz single phase AC

11.2 Maximum operating pressure：≤1.0MPa

11.3 Insulation class：H

11.4 IP class: IP42

11.5 Ambient temp.：0℃～+40℃

11.6 Liquid temp.：+2℃～+110℃

11.7 The ambient shall be always lower than liquid temperature; otherwise condensation water may appear in the stator chamber and thus leads to motor burnout.

11.8 The pump is suitable for thin, clean, non-aggressive and non-explosive liquids, not containing solid particles or fibres that may attack the pump. The pump shall never be used to transfer flammable liquid such as diesel oil and gasoline. Hydraulic performance of the pump decreases when it is applied in occasions of high viscosity, therefore, it is necessary to consider the viscosity of pump liquid during pump selection.

Note：

Compiler：

Review:

Approval: