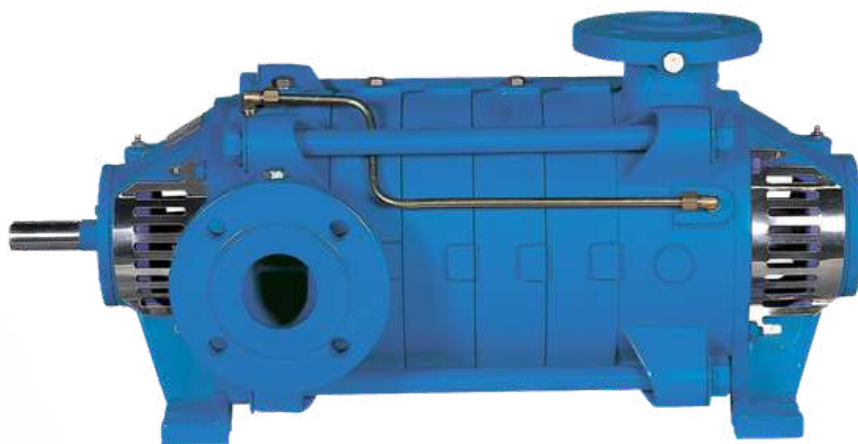




MGH / MGH4

Horizontal, Multi-Staged
Centrifugal Pump





EBITT was born from “an idea” and turned into “an ideal”

EBITT is a specialized organization with deep expertise in pump and fluid technologies, capable of accurately interpreting both Turkish and global market demands and translating them into the right solutions.

Founded to be the ideal intersection of supply and demand in fluid technologies, EBITT goes beyond developing and marketing products. It represents a holistic business model built to meet expectations at the highest level.

More than a company, EBITT is a perspective, a system, and a spirit. Its foundation is human capital and accumulated expertise, transferred sustainably like a relay race rather than treated as a traditional capital asset.

For EBITT, innovation is not limited to technological advancement. It is a creative, value-driven approach that prioritizes responsibility, customer expectations, business efficiency, and uncompromising standards for health and safety. Every innovation emerges from this integrated understanding.

Quality, for EBITT, is a non-negotiable standard in all areas involving water and fluids—throughout life. Together with its suppliers, customers, and team members who share this philosophy, EBITT builds long-term, sustainable win-win relationships.

With this mindset, EBITT offers a wide range of products and systems, from basic solutions to process-specific equipment, serving residential, industrial, agricultural, irrigation, pool, treatment, and specialized applications. Beyond standard products, EBITT also delivers tailor-made solutions that maximize added value.

EBITT believes the ideal solution is not always the most expensive one, but the most rational—optimizing needs in the most efficient way.

Positioning itself as a trusted solution provider, EBITT stands out with its values, flexibility, and dynamic structure, ready to respond to evolving demands.

MGH / MGH4

HORIZONTAL, MULTI-STAGED CENTRIFUGAL PUMP



Construction

Centrifugal pump with suction and discharge connections in off-line radial design. Stages and casing assembled by external tie-bolts. Sealed by mechanical seals.

Pump-motor connection by semi-elastic coupling without spacer, coupling with spacer available in option.

Pump with axial suction port available for some models. (MGH-EIMGH4-E versions)

Rated speed of rotation (50 Hz):

MGH = 2900 1/min.

MGH4 = 1450 1/min.

Connections: PN 16 suction flanges EN 1092-2. PN 40 (PN 64) discharge

flanges EN 1092-2. Max.working pressure 30 (50) bar

Shaft sealing:

- Standardized mechanical seal in accordance with ISO 3069.
- Stuffing box seal or different mechanical seals (on request).

Applications

- For clean liquids, without abrasives, which are non-aggressive for the pump materials (contents of solids up to 0.2%).
- For water supply.
- For pressure boosting.
- For heating, air conditioning, cooling and circulation plants. For civil and industrial applications and for agriculture.
- For fire fighting applications.
- For irrigation.
- Boiler feeding

Special Features on Request

- Special mechanical seal.
- Different construction materials for specific applications.
- Higher or lower liquid or ambient temperatures.
- Other motor protection.
- Explosion proof motor.
- Motor for other voltage.
- Frequency 60 Hz (as per 60 Hz data sheet).

Operating Conditions

Liquid temperature from -20°C to + 120°C. (standard mechanical seal)

Ambient temperature up to 40°C. Total suction lift up to 7 m.

Maximum permissible working pressure up to 30/50 bar.

Pump-Motor Unit

MGH, MGH4 pump connected to a standard electric motor in B3 construction form (IEC 72), IP 54 protection, three-phase 400 V, 50 Hz by means of a baseplate, driven by a flexible coupling and with coupling protection.

Materials

Suction/discharge casing	GG25 (Optional GGG 40 / AISI 304 / AISI 316 / Bronze)
Interstage casing	
Impeller	
Pump shaft	AISI 420 (Optional AISI 304 / AISI 316)
Shaft sleeve	AISI 304 (Optional AISI 316 i Bronze)
Mechanical seal	Silicon Carbide / Carbon Graphite*
Baseplate	DIN 17100 - St 37, epoxy coated
Coupling guard	EN 294 / DIN 31001, epoxy coated

* Different mechanical seals or soft gland packed sealings are coupling and with coupling protection.

Connection

MGH series

Horizontal pump with bare shaft.
Radial suction and discharge connections.

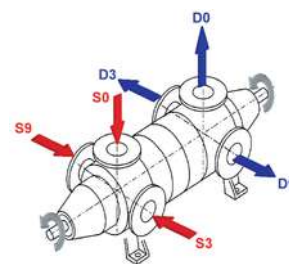


MGH-E series

Horizontal pump with bare shaft.
Axial suction and radial discharge connections.



S9/D3, S0/D0 and S3/D9 positions are available only from 3 stages for sizes 32 to 125

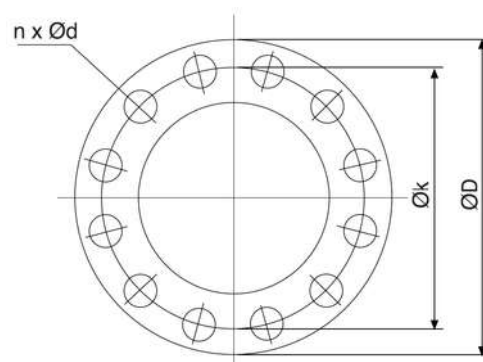


Measurements of Flanges

Type	Suction flange DIN 2533/PN16					Discharge flange DIN 2535/PN40				
MGH	Size	ØD	Øk	Ød	n	Size	ØD	Øk	Ød	n
32	DN40	150	110	18	4	DN32	140	100	18	4
40	DN50	165	125	18	4	DN40	150	110	18	4
50	DN65	185	145	18	4	DN50	165	125	18	4
65	DN80	200	160	18	8	DN65	185	145	18	8
80	DN100	220	180	18	8	DN80	200	160	18	8
100	DN125	250	210	18	8	DN100	235	190	23	8
125	DN150	285	240	23	8	DN125	270	220	27	8
150	DN200	340	295	23	12	DN150	300	250	27	8
200	DN250	405	355	27	12	DN200	375	320	30	12
MGH-E	Size	ØD	Øk	Ød	n	Size	ØD	Øk	Ød	n
80	DN125	250	210	18	8	DN80	200	160	18	8
100	DN150	285	240	23	8	DN100	235	190	23	8
125	DN200	340	295	23	12	DN125	270	220	27	8
150	DN200	340	295	23	12	DN150	300	250	27	8

Max. Number of Stages

Type	1450 rpm		2900 rpm	
	MGH	MGH-E	MGH	MGH-E
MGH 32	14	-	13	-
MGH 40	13	-	12	-
MGH 50	12	-	10	-
MGH 65	11	-	10	-
MGH 80	15	8	6	3
MGH 100	15	10	-	-
MGH 125	12	8	-	-
MGH 150	10	5	-	-
MGH 200	6	-	-	-

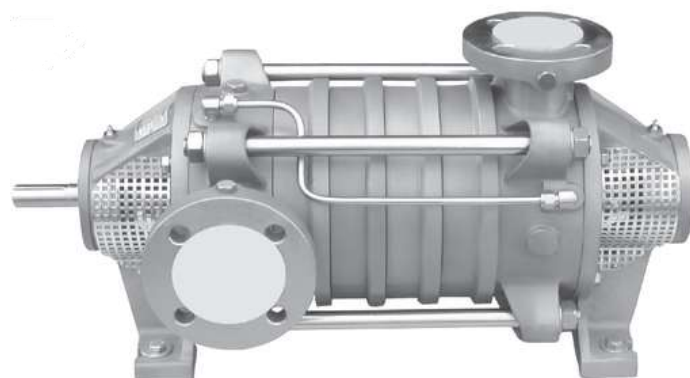


Unit Assembly

MGH series pumps are supplied fully assembled on a common baseplate, complete with electric motor, coupling and coupling guard.

Baseplates are constructed by welding DIN 17100-St 37 sheet metals and profiles, epoxy coated.

Coupling guards are in compliance with European Standard EN 294 and DIN 31001, also epoxy coated. The drive motor and pump shaft is coupled by semi-elastic coupling without spacer.



Preassembled Mechanical Pumping Systems

Ebitt has created fully assembled, complete pumping systems to provide high quality pressure boosting at less cost and in less space for residential and commercial buildings and for industrial applications.

1 to 3 pieces of centrifugal pumps are supplied on a common base frame as complete, preassembled and tested systems, including suction and discharge manifolds, isolating valves, non-return valves and other parts.

According to user demands, pumping systems can be operated automatically by means of; i.e. pressure, flow, level, temperature or time switches/sensors.

Switches, sensors, gauges, relief valves, safety valves, by-pass valves, air venting valves, drain cocks and diaphragm pressure vessel can be mounted on supplied manifolds easily according to demanded functions.

Scope of Supply

- Common base frame
- Suction and discharge manifolds, including vacuum and pressure gauges
- Flanged type increasers on the suction and discharge sides of the pumps
- Non-return valves (one per pump)
- Isolating valves (two per pump)

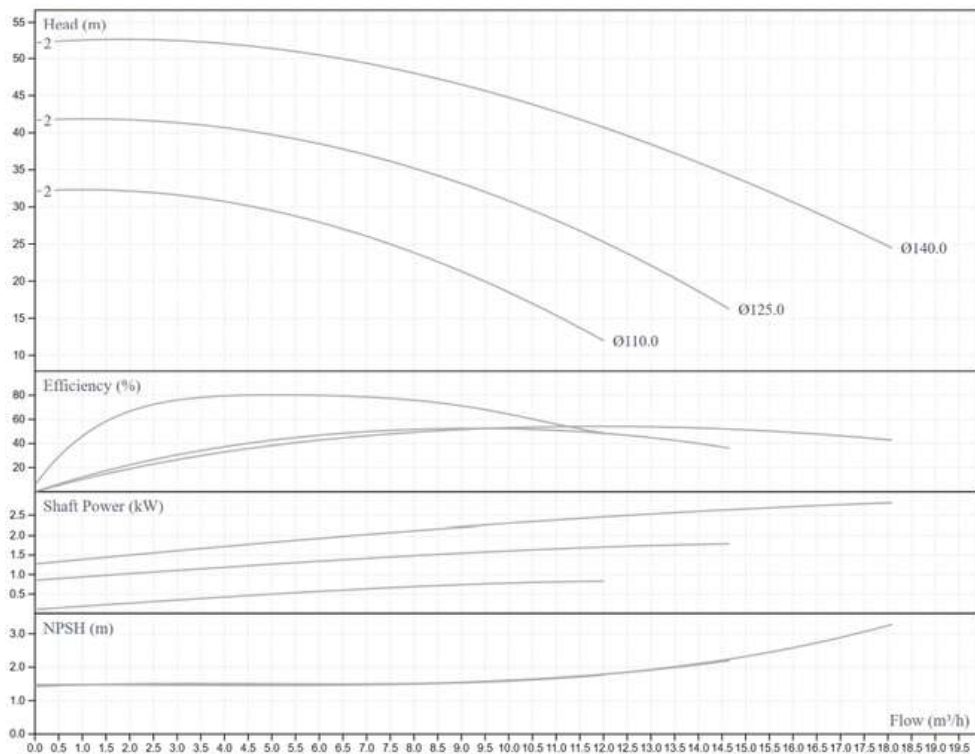
Construction Materials

Base frame	Epoxy coated steel (optional AISI 304 or AISI 316)
Manifolds	Electro-galvanised steel (optional AISI 304 or AISI 316)
Increasers	Electro-galvanised steel (optional AISI 304 or AISI 316)
Isolating valves	Butterfly GG 25 / polyamid coated / EPDM (optional any kind of type and material)
Non-return valves	Disc type DN 32 – DN 250, GGG 40 / AISI 316 (optional any kind of type and material)

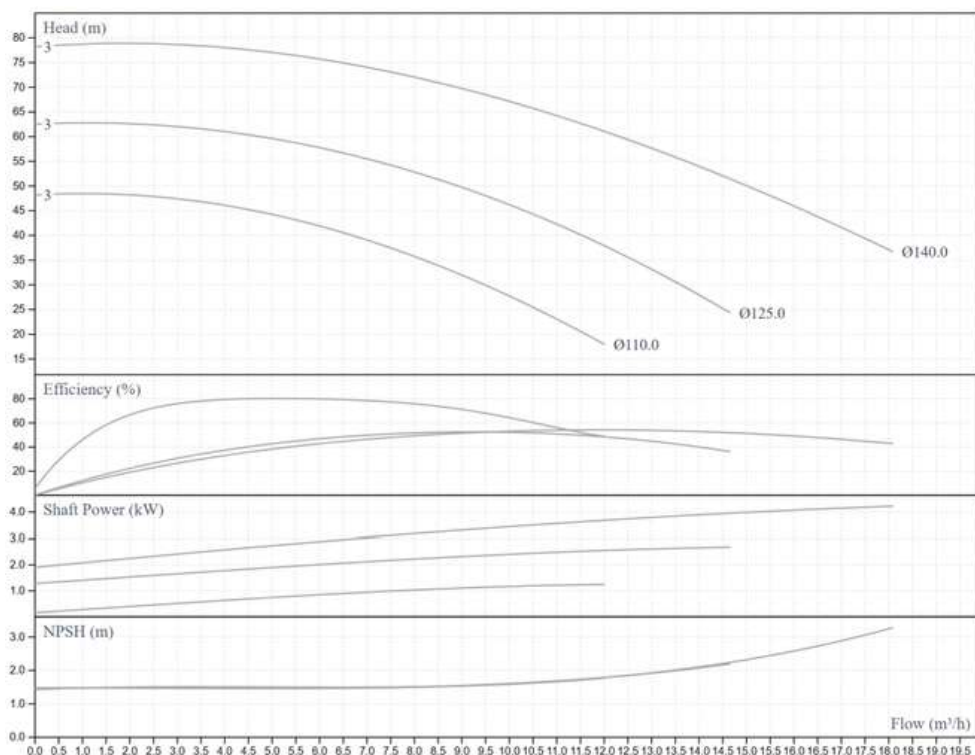


Performance Curves

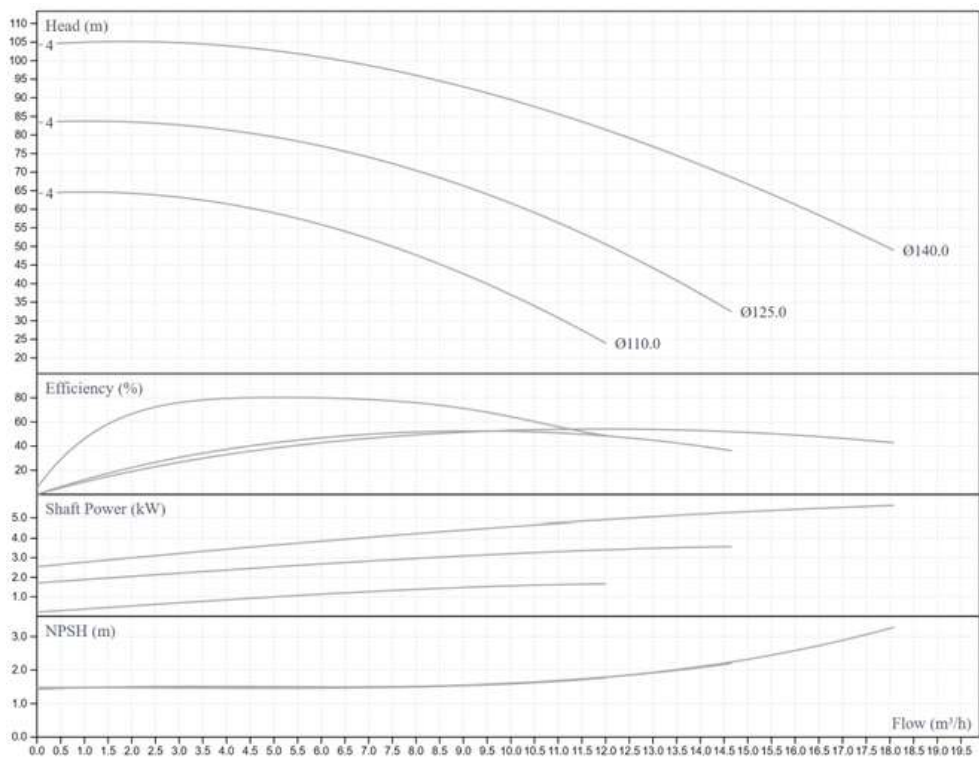
MGH 32 / 3 kW



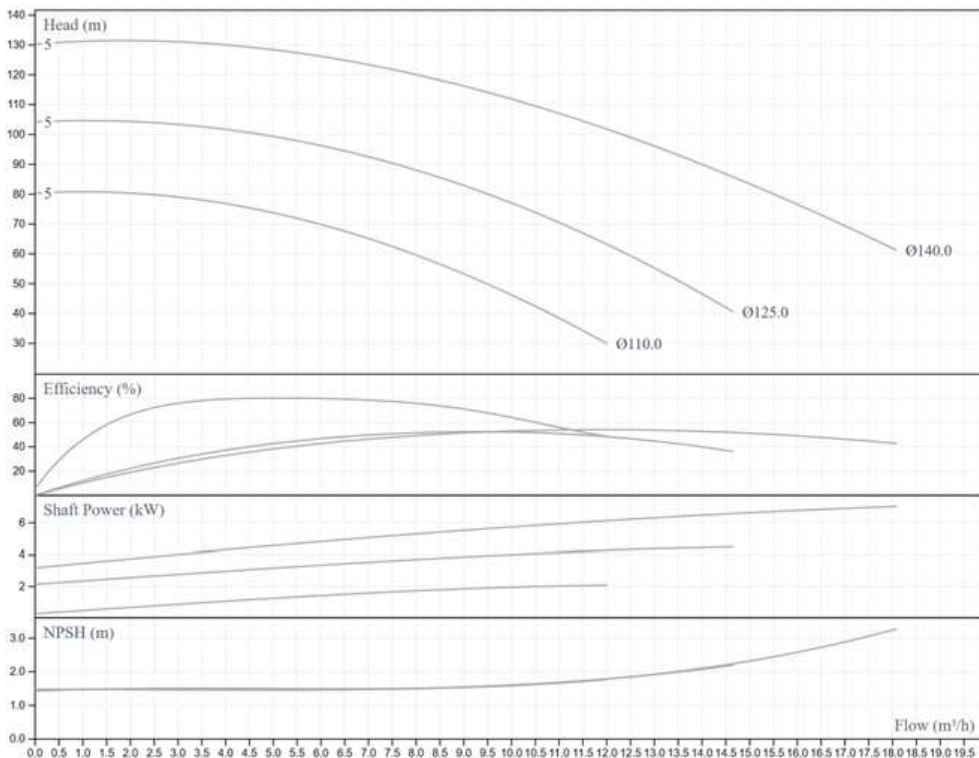
MGH 32 / 5.5 kW

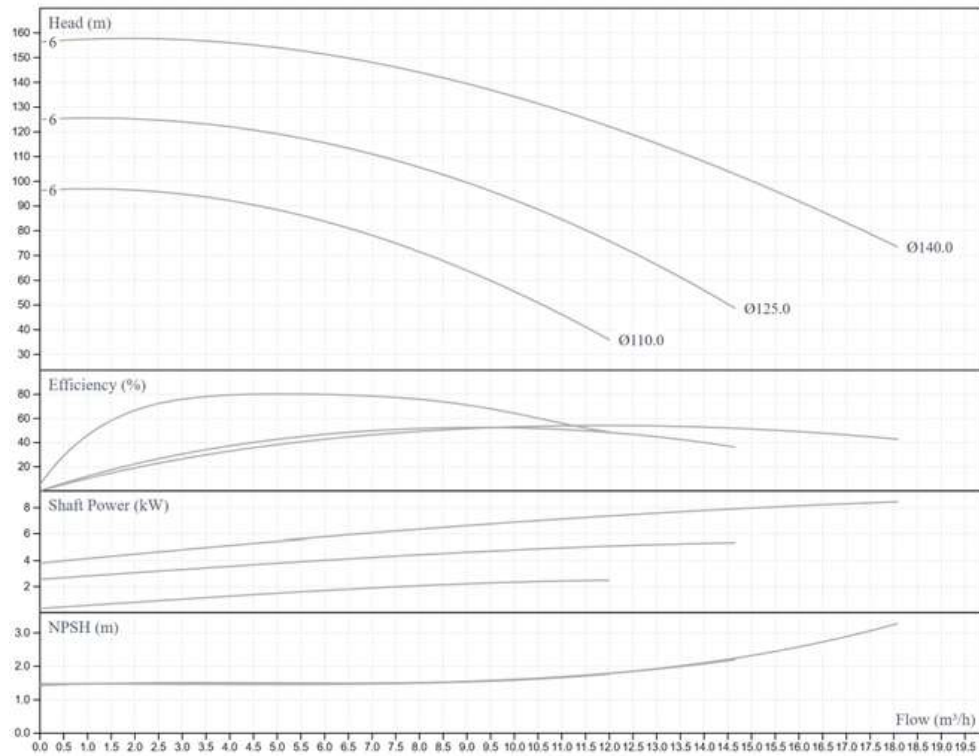
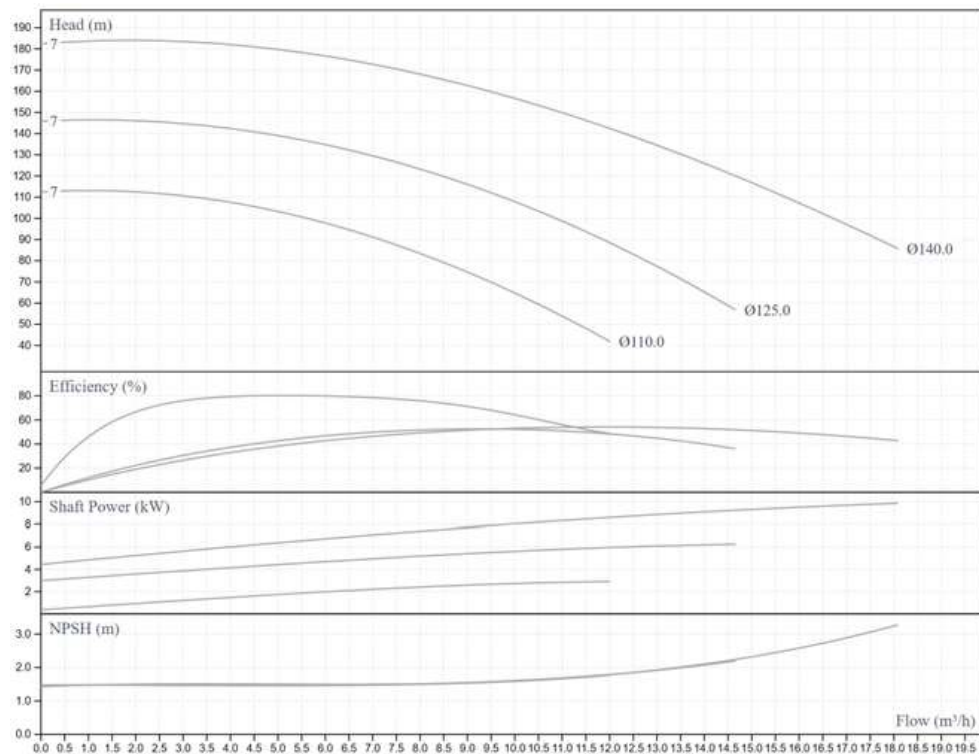


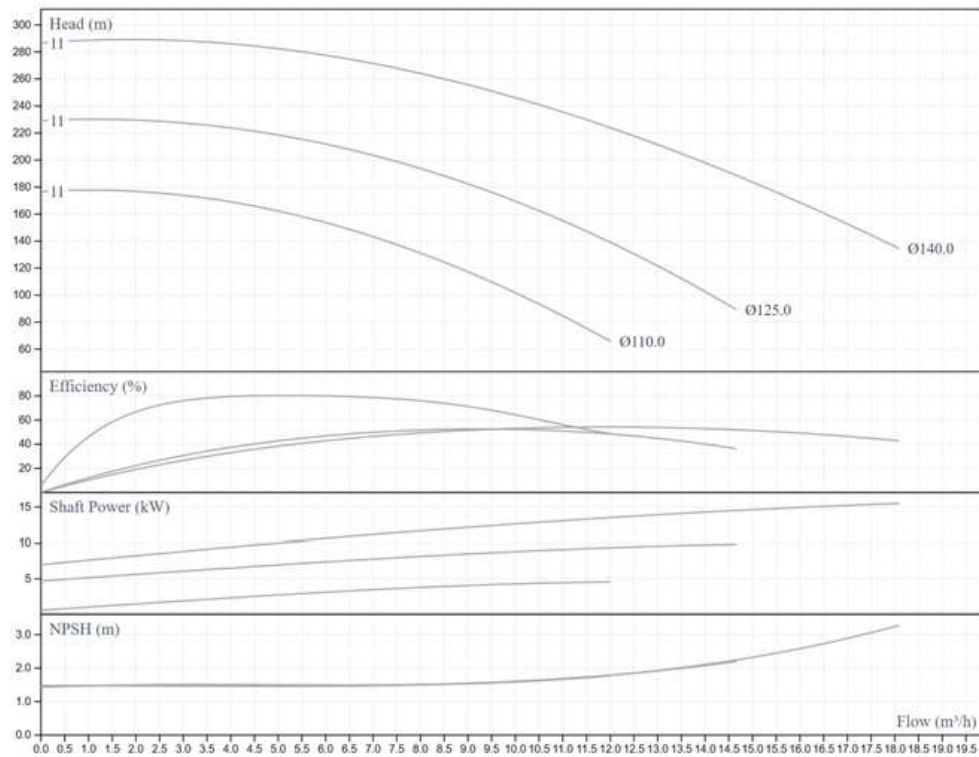
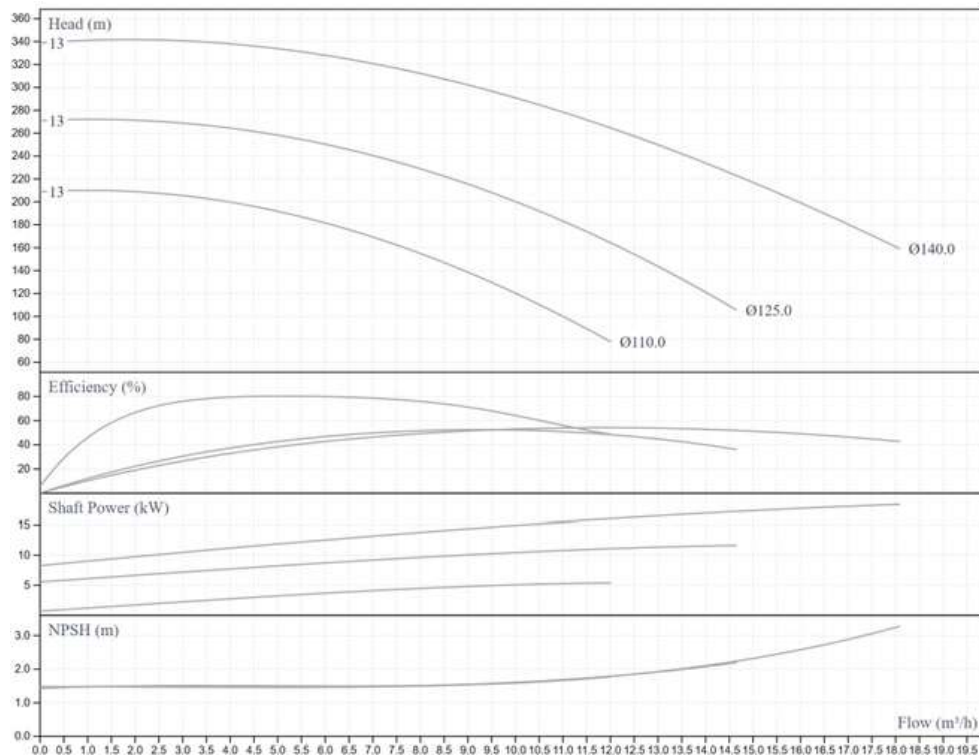
MGH 32 / 7.5 kW

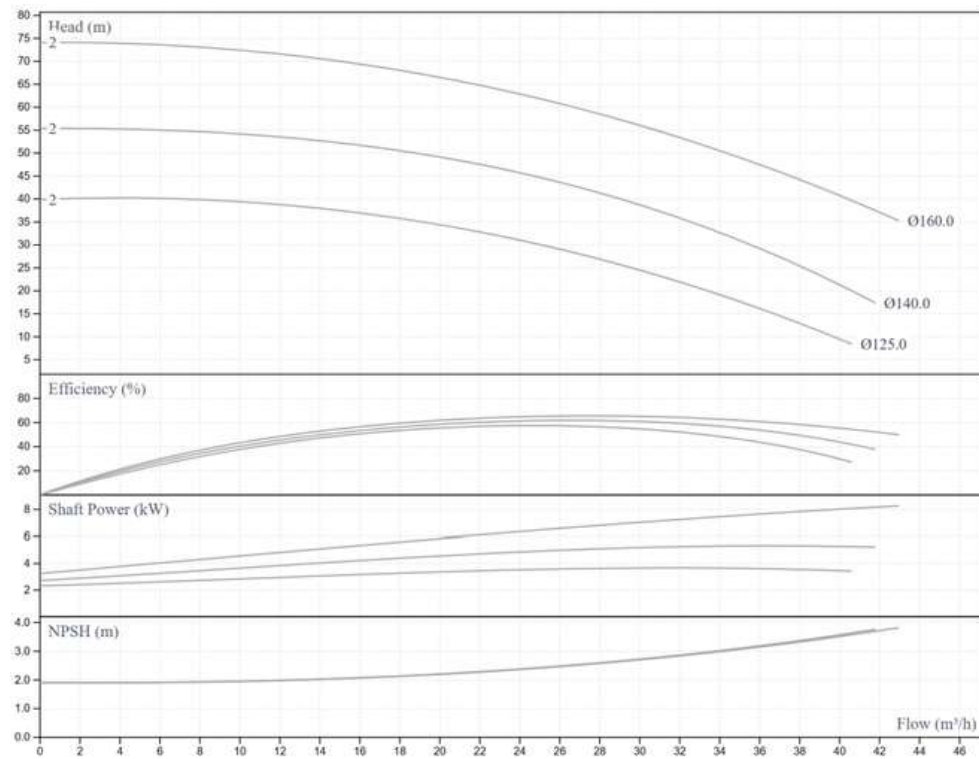
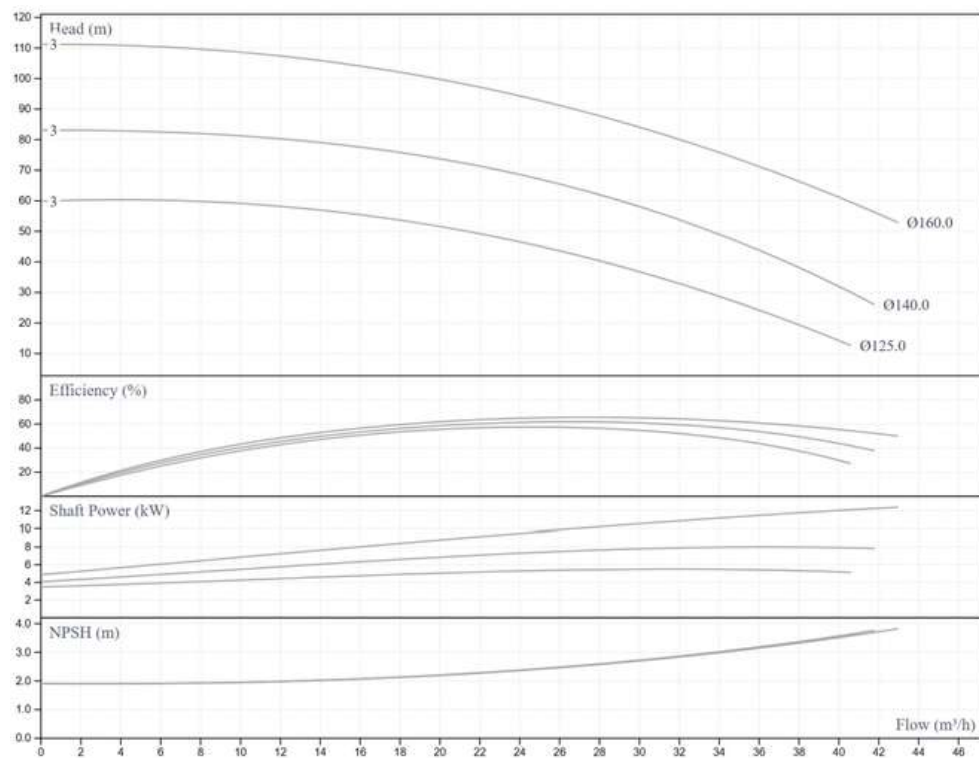


MGH 32 / 9.2 kW

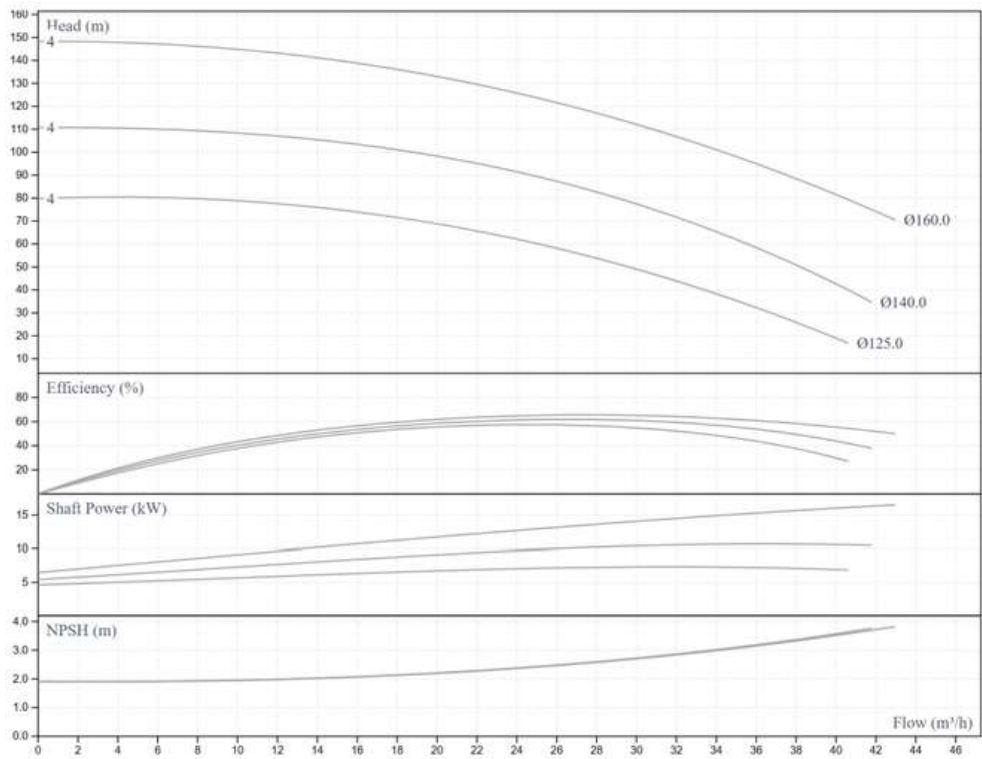


MGH 32 / 11 kW**MGH 32 / 15 kW**

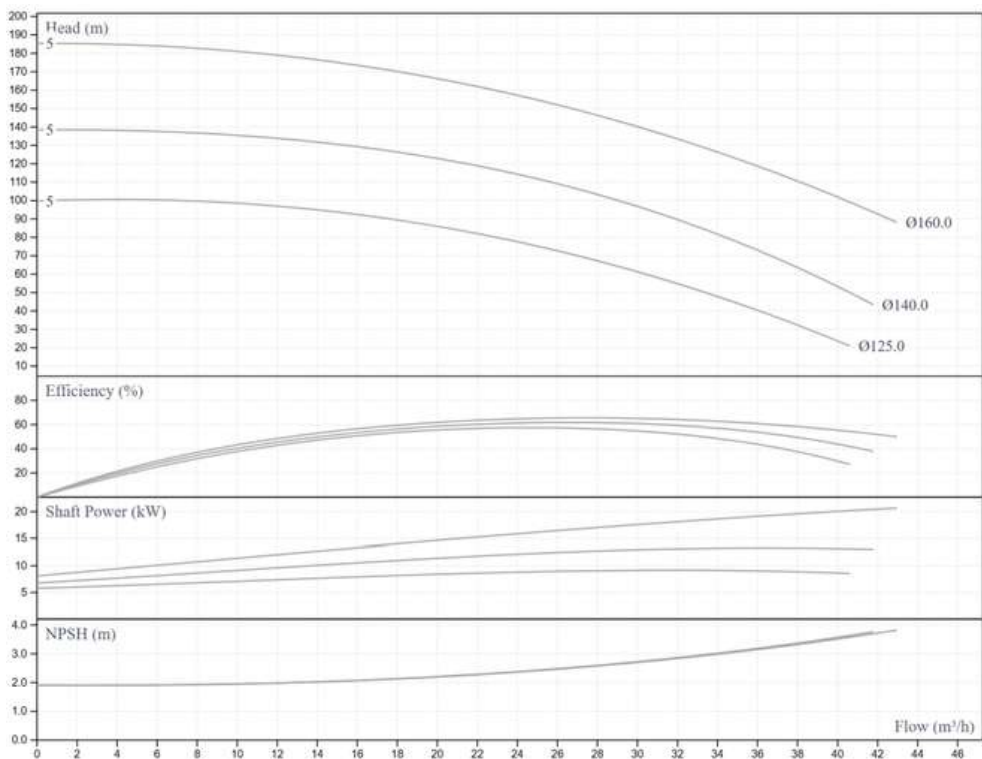
MGH 32 / 18.5 kW**MGH 32 / 22 kW**

MGH 40 / 11 kW**MGH 40 / 18.5 kW**

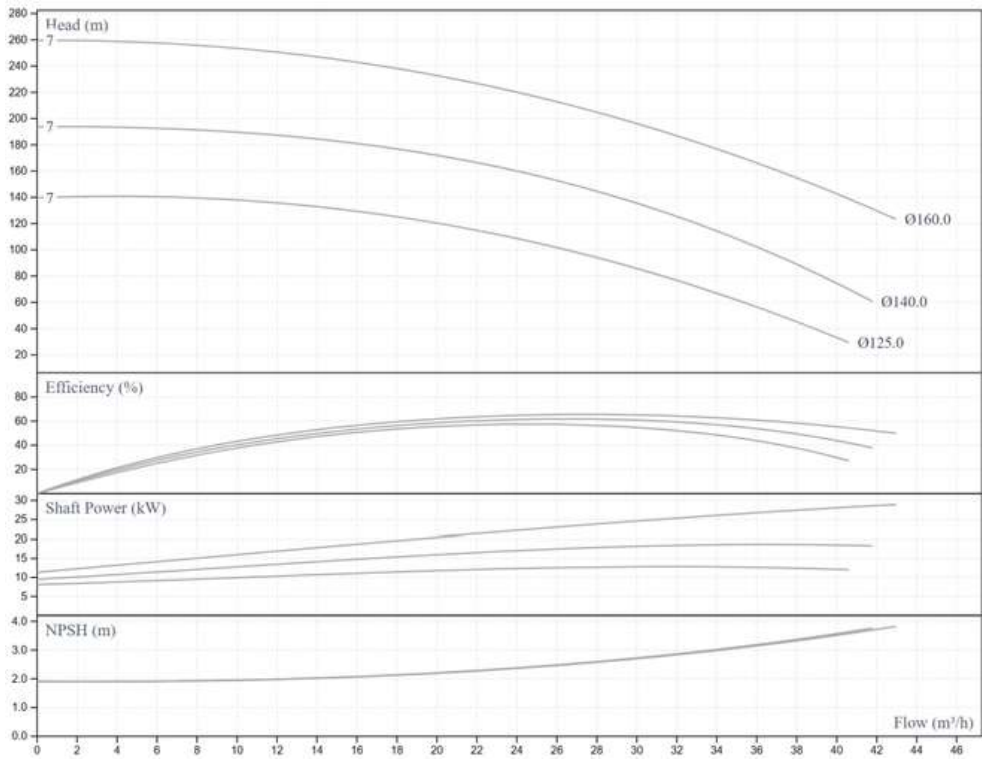
MGH 40 / 22 kW



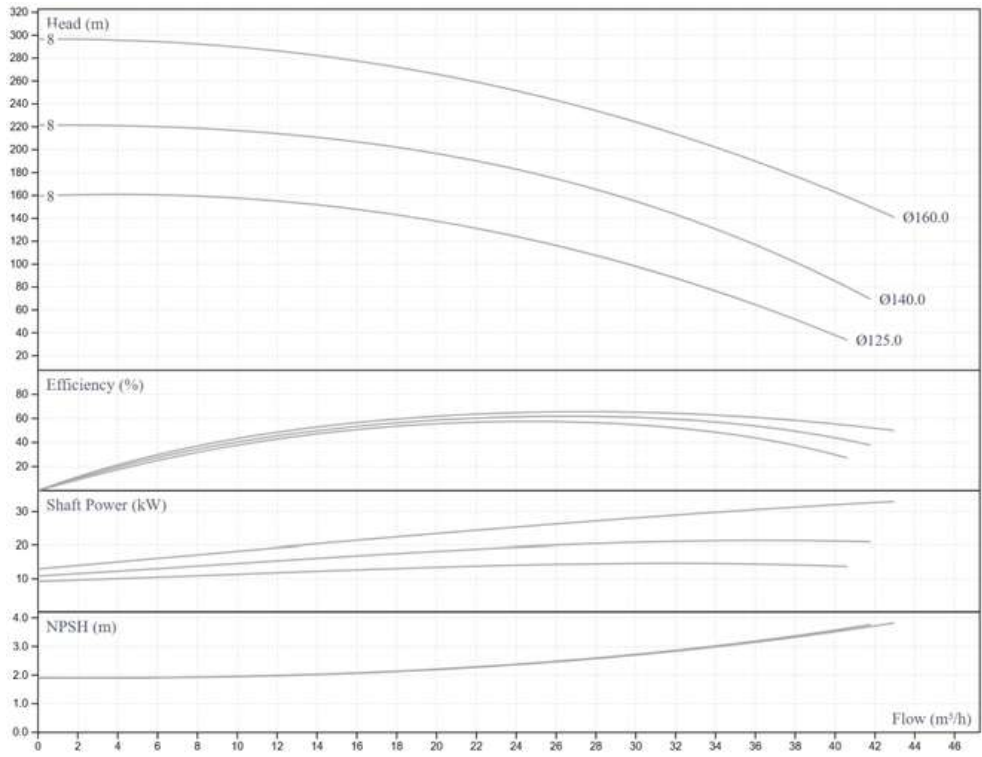
MGH 40 / 30 kW

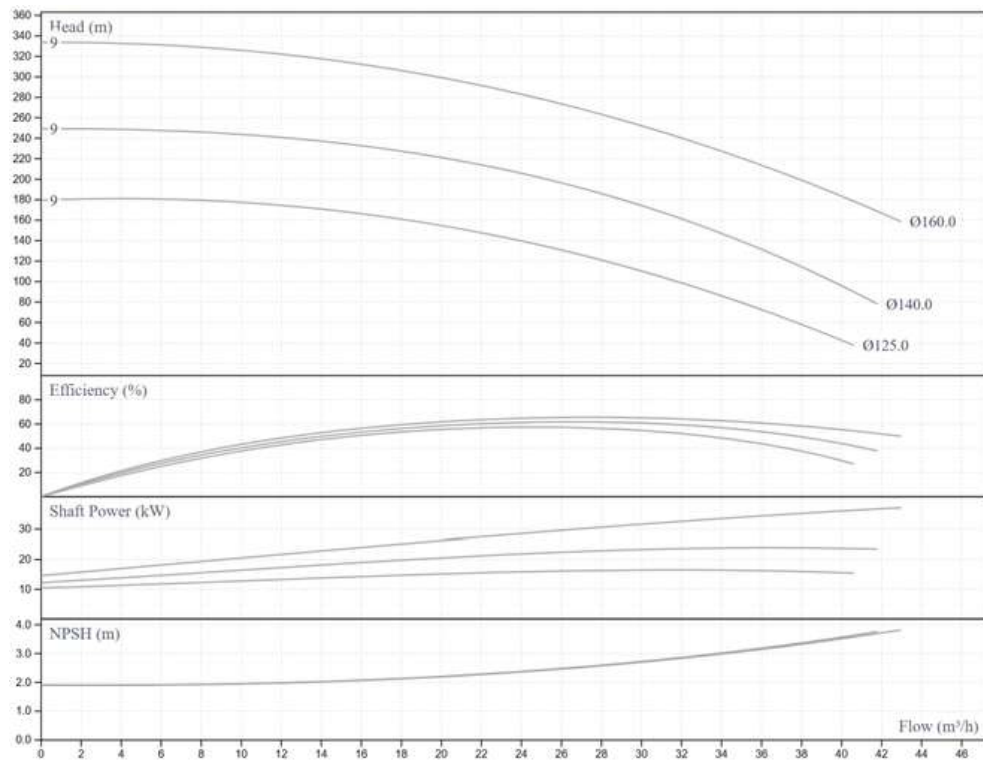
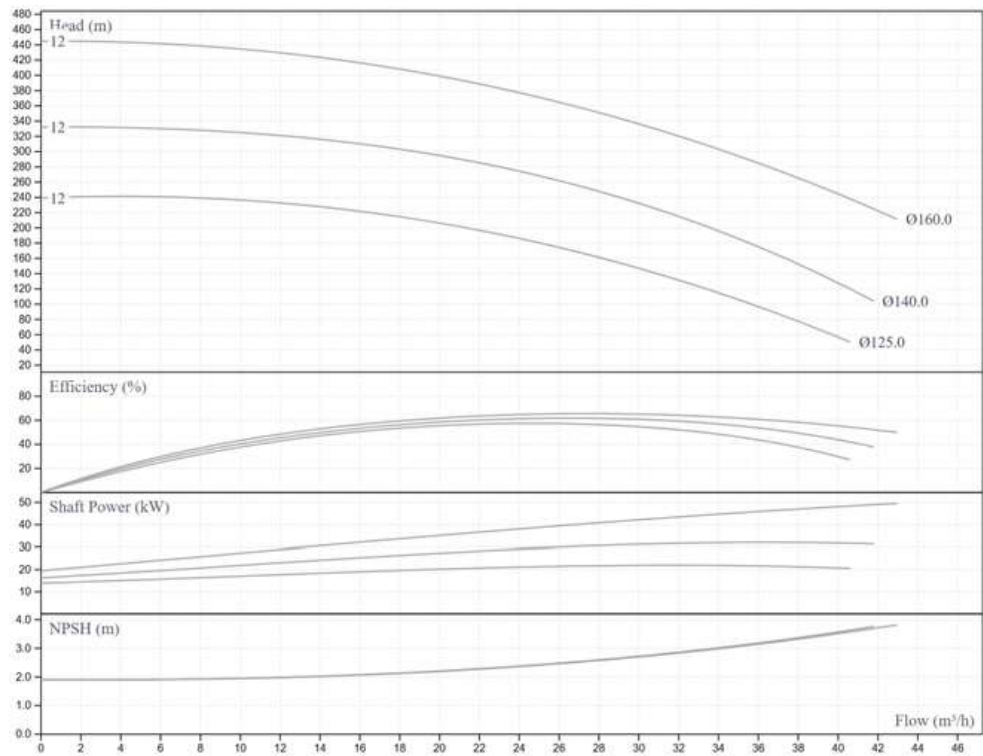


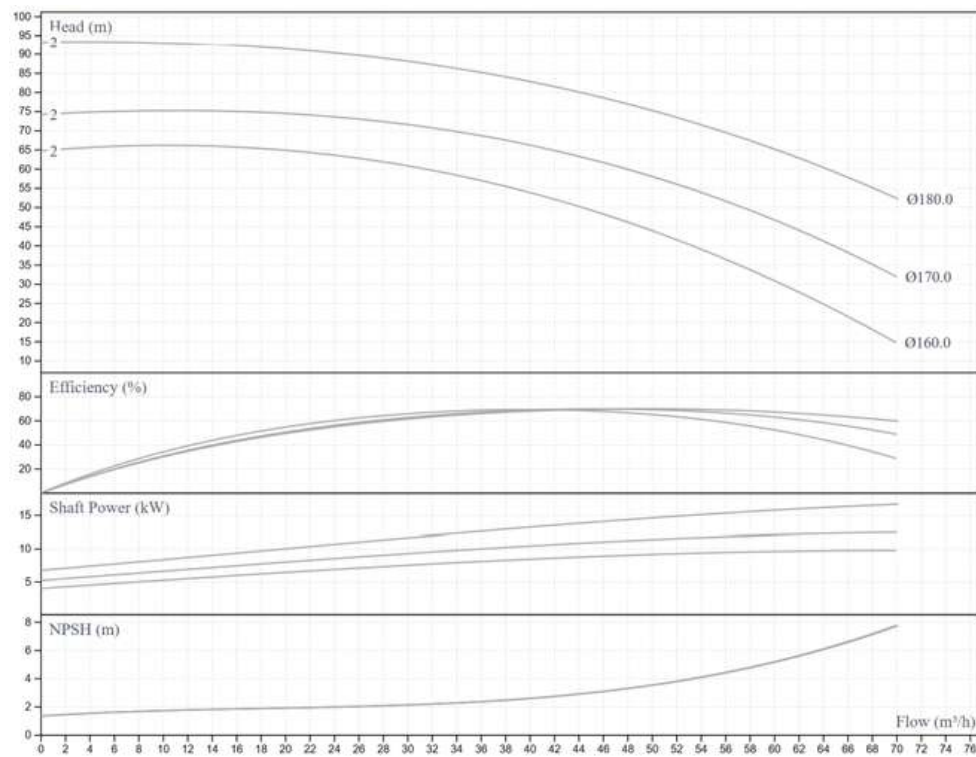
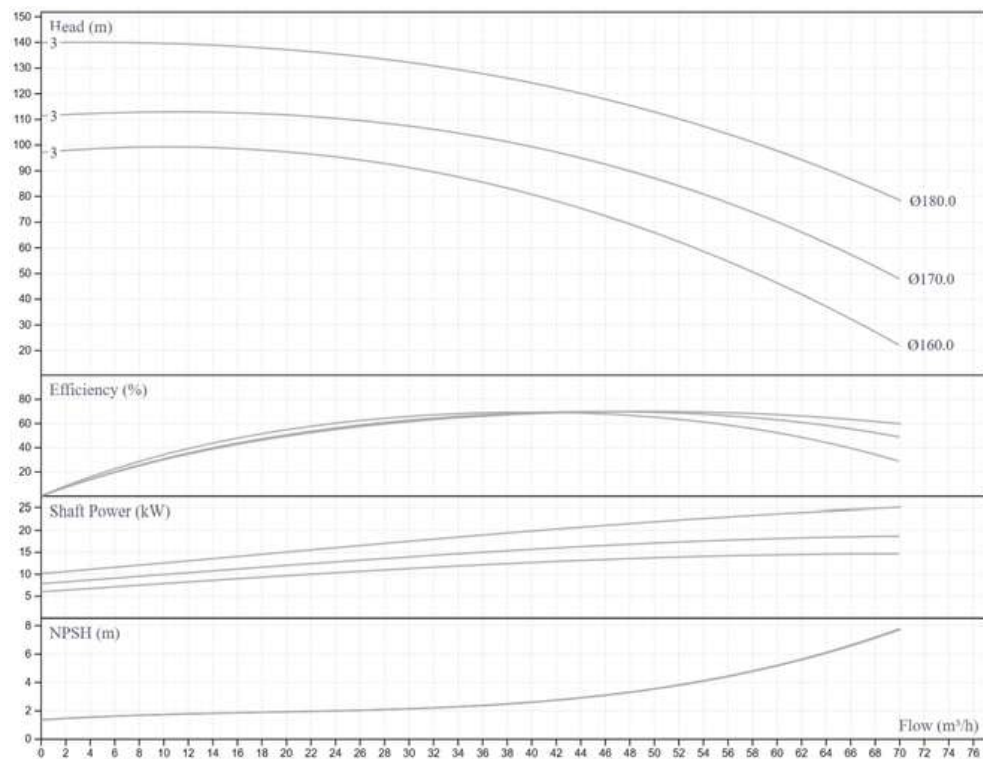
MGH 40 / 37 kW



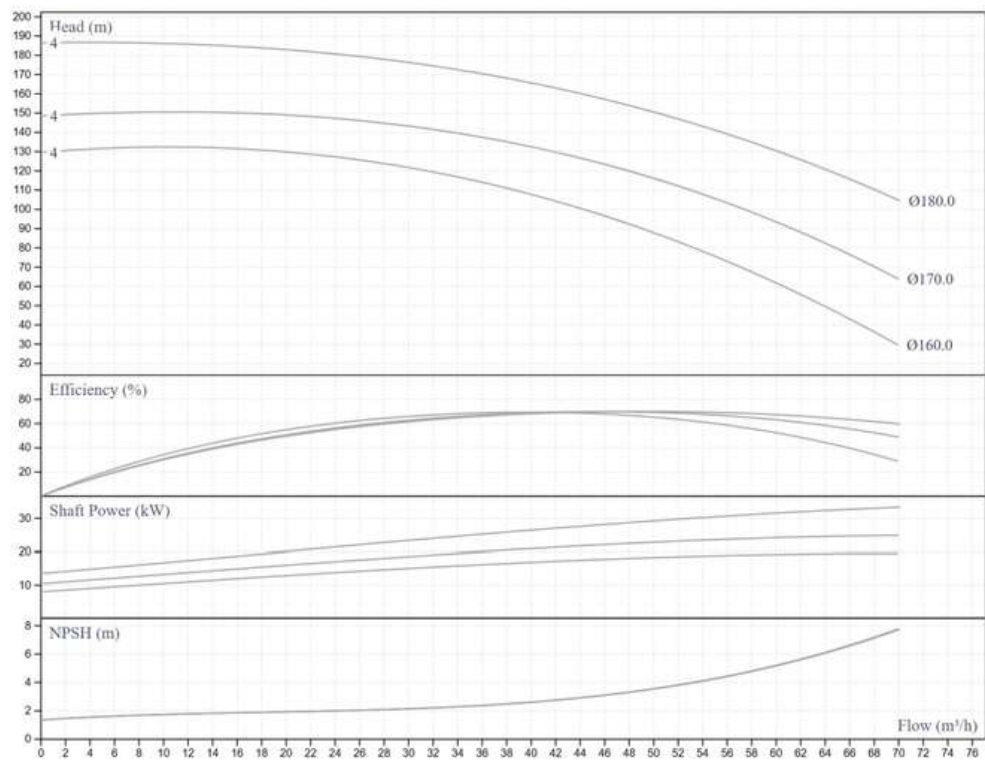
MGH 40 / 45 kW



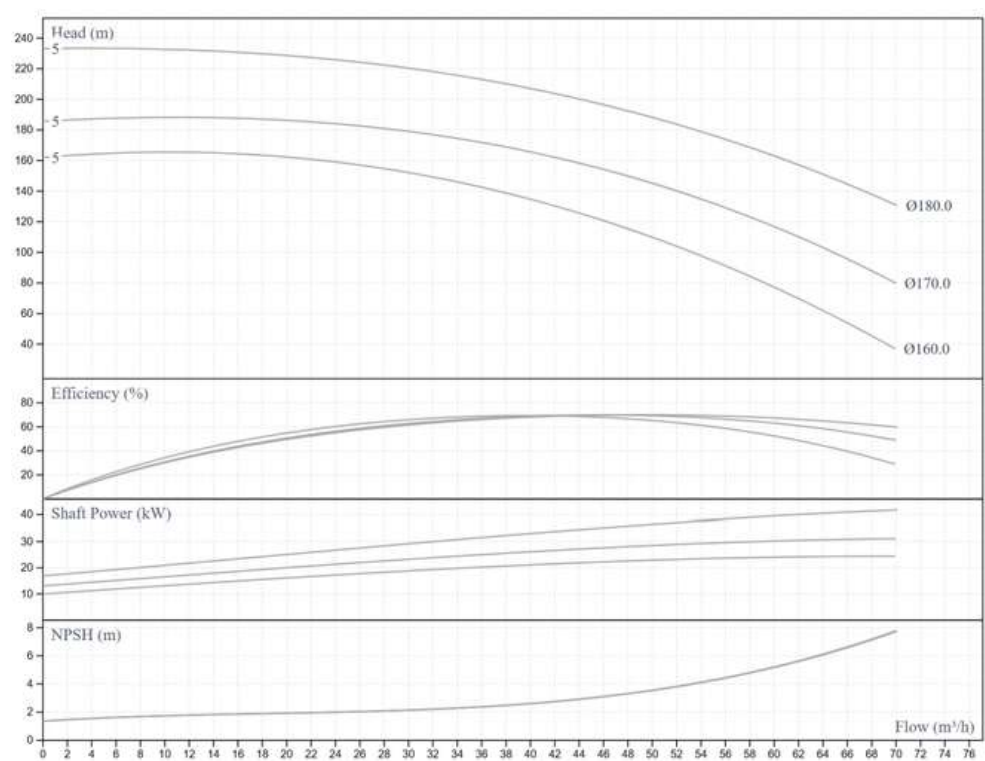
MGH 40 / 55 kW**MGH 40 / 75 kW**

MGH 50 / 30 kW**MGH 50 / 37 kW**

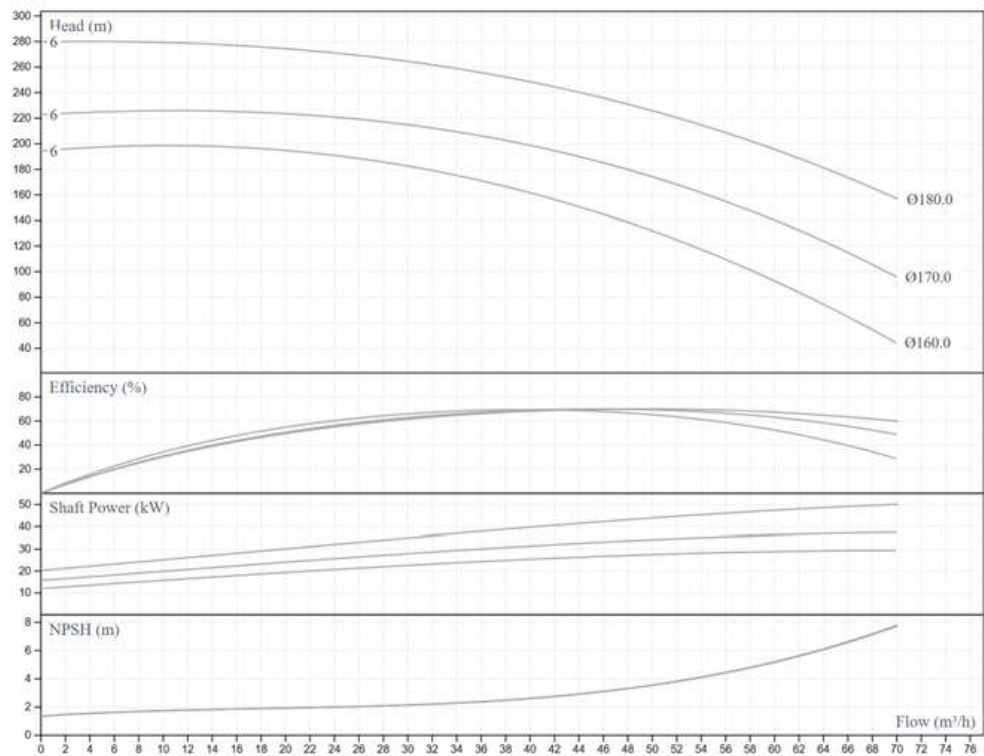
MGH 50 / 45 kW



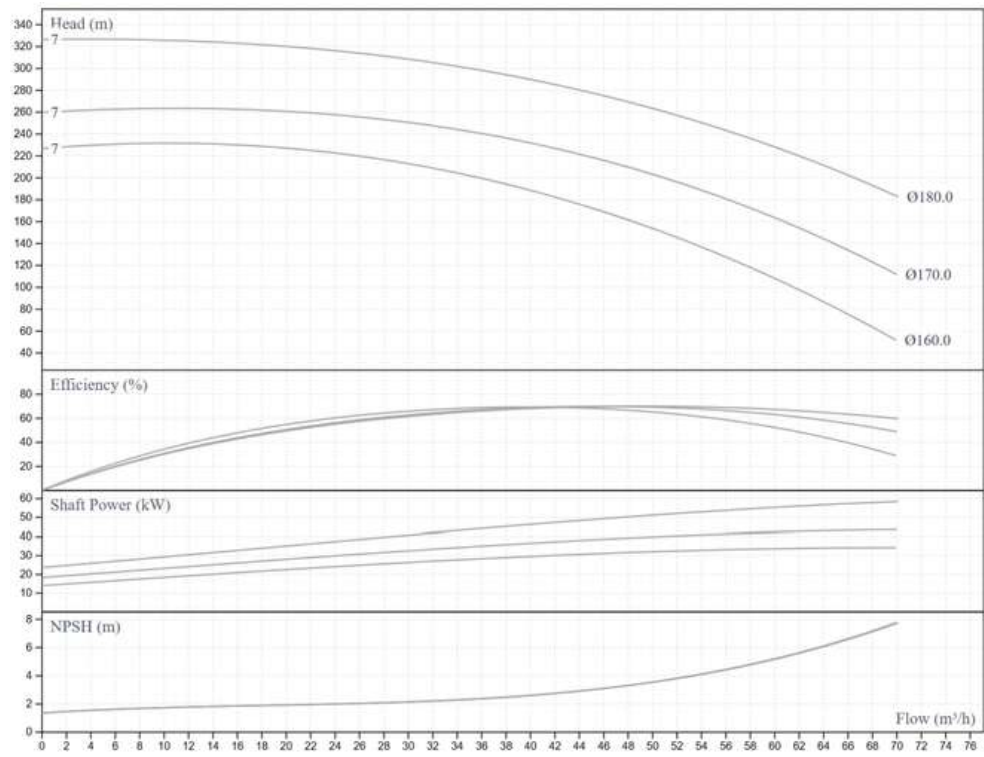
MGH 50 / 55 kW



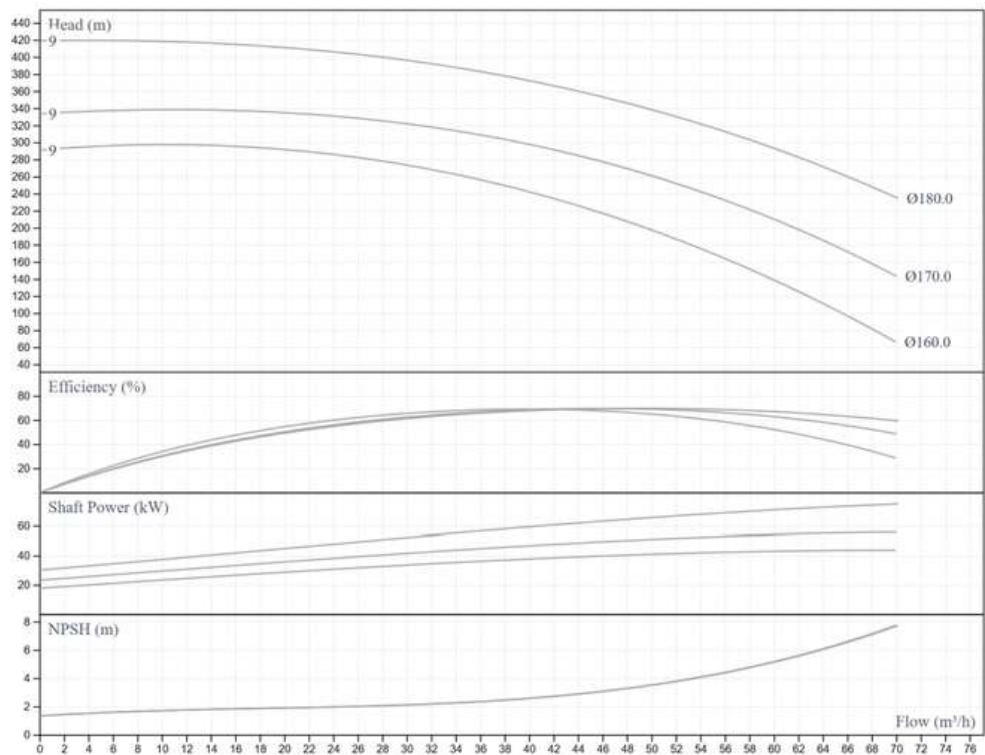
MGH 50 / 75 kW



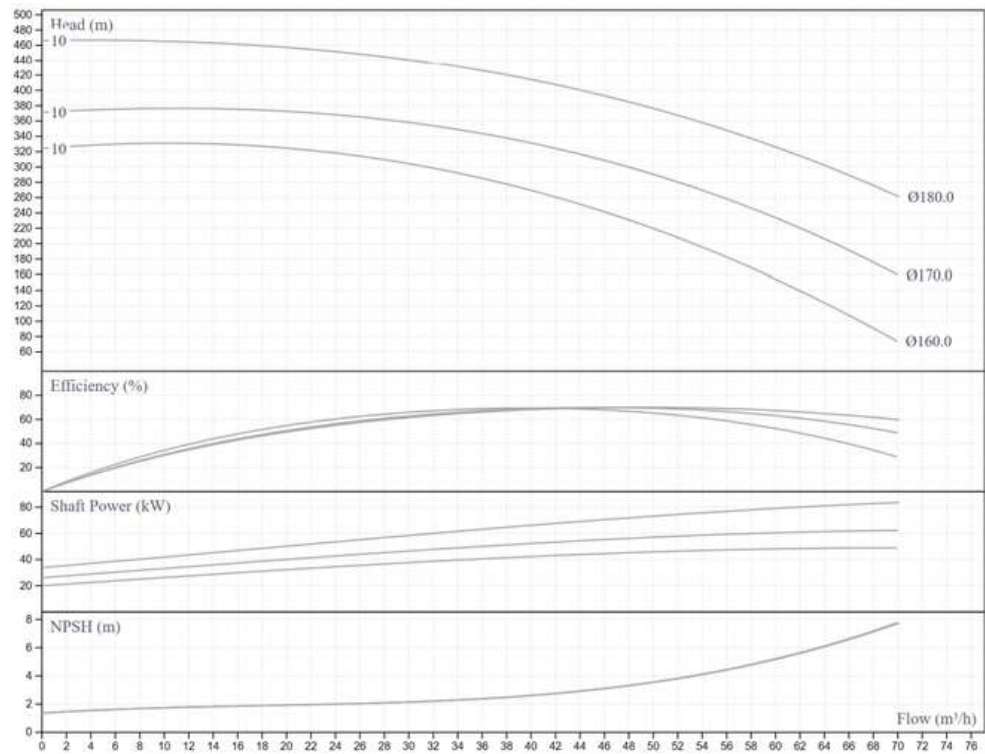
MGH 50 / 90 kW

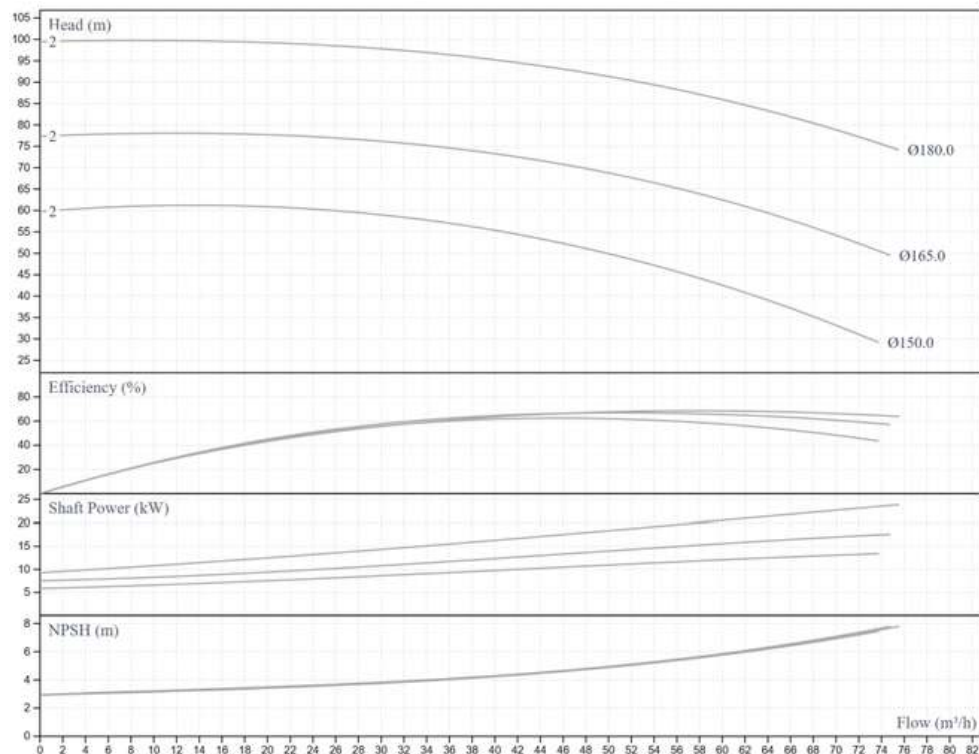
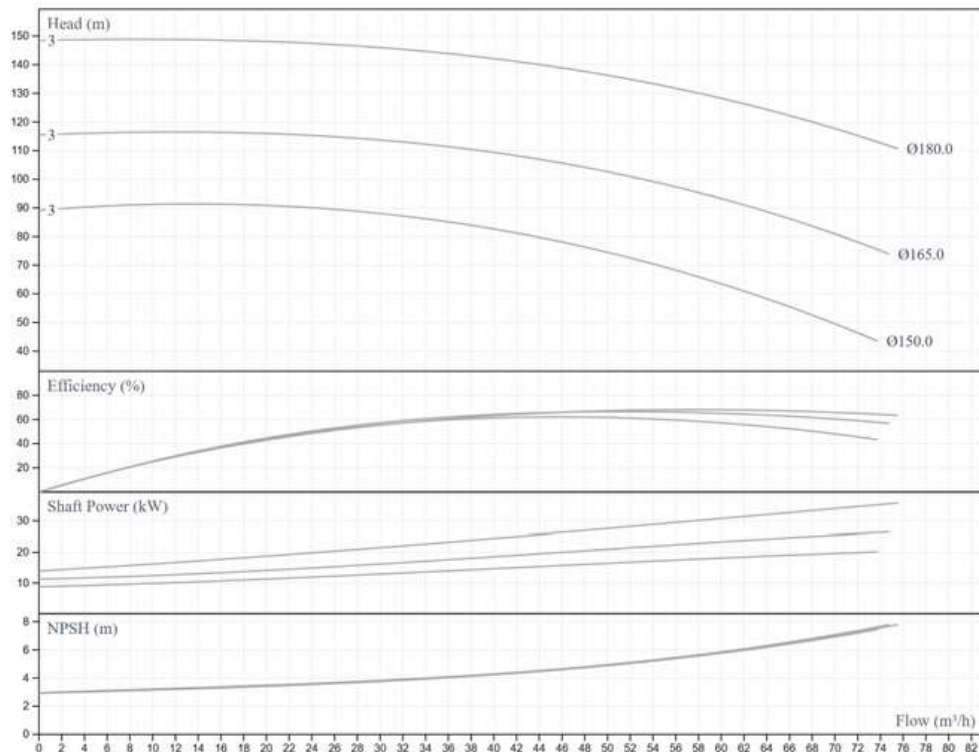


MGH 50 / 110 kW

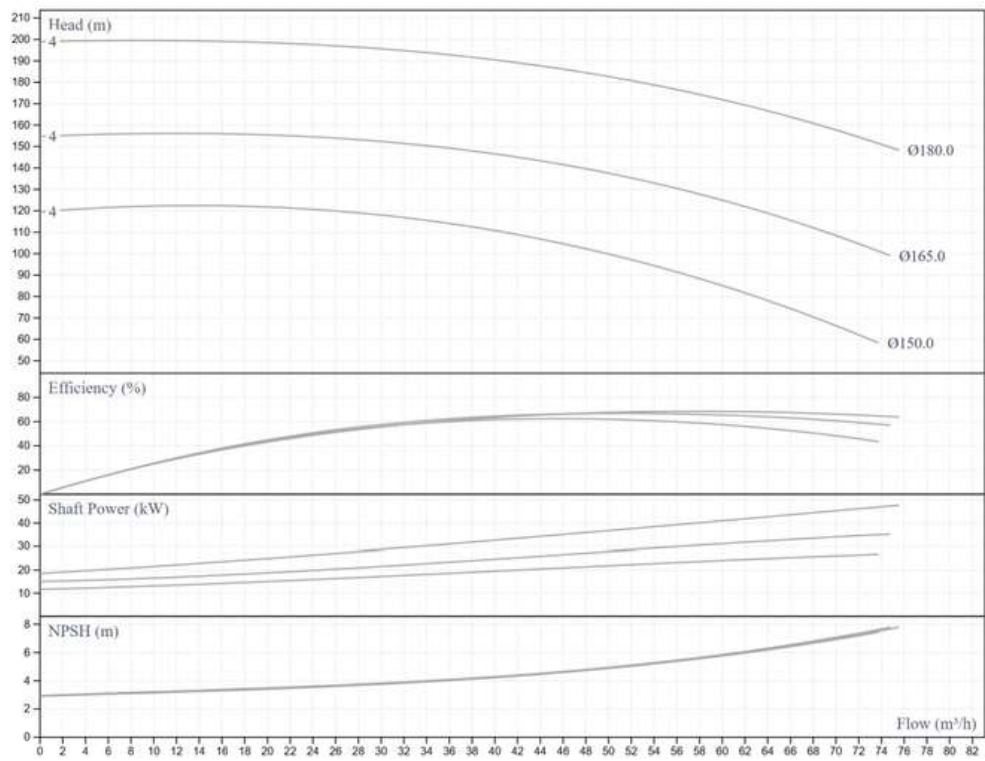


MGH 50 / 132 kW

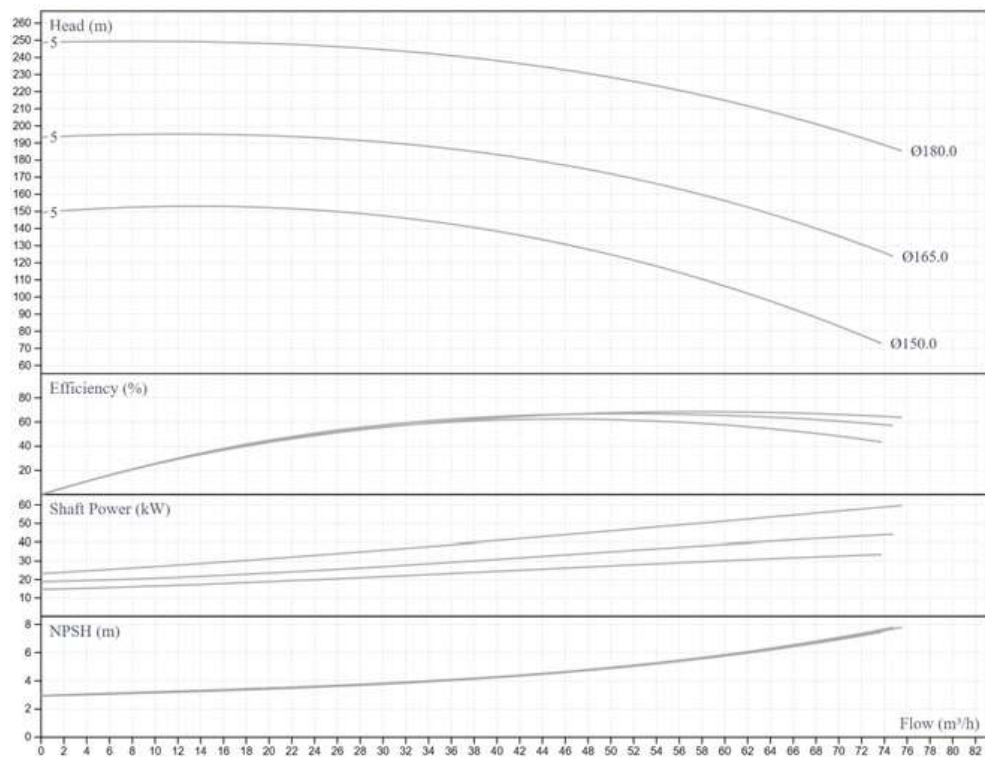


MGH 50C / 30 kW**MGH 50C / 45 kW**

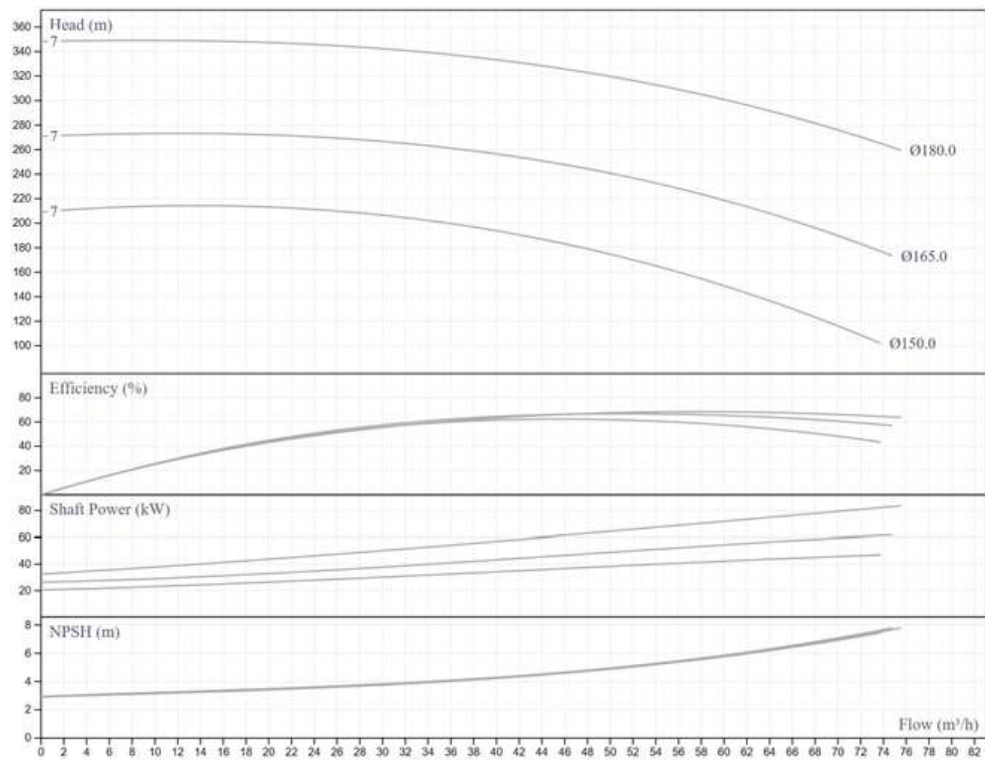
MGH 50C / 55 kW



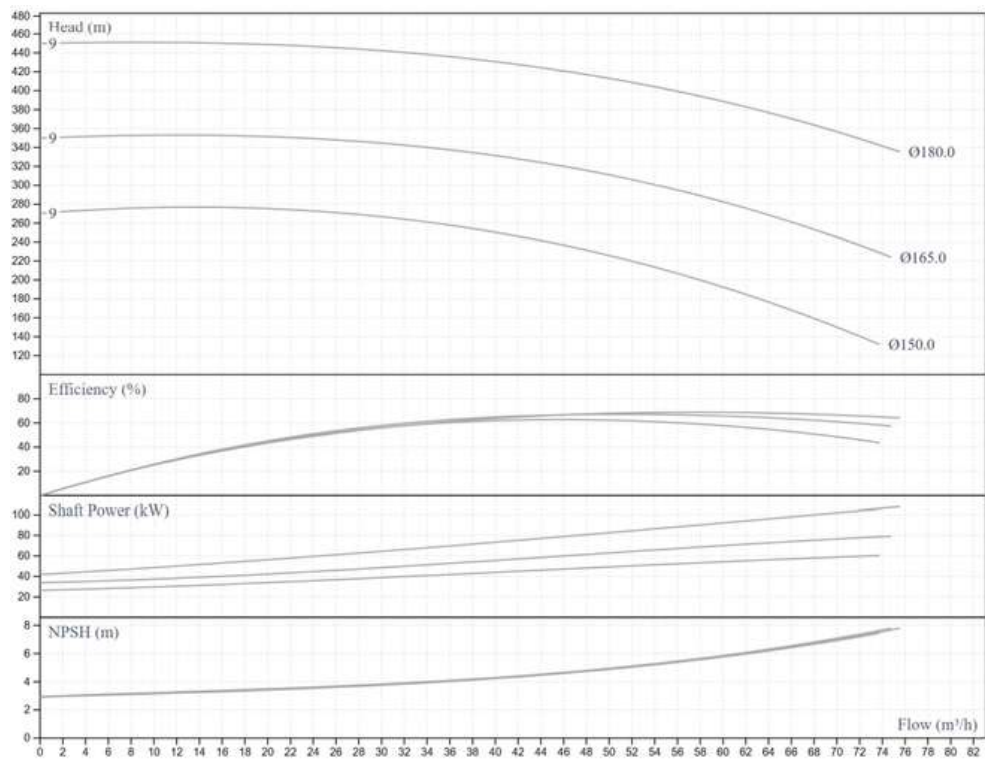
MGH 50C / 75 kW

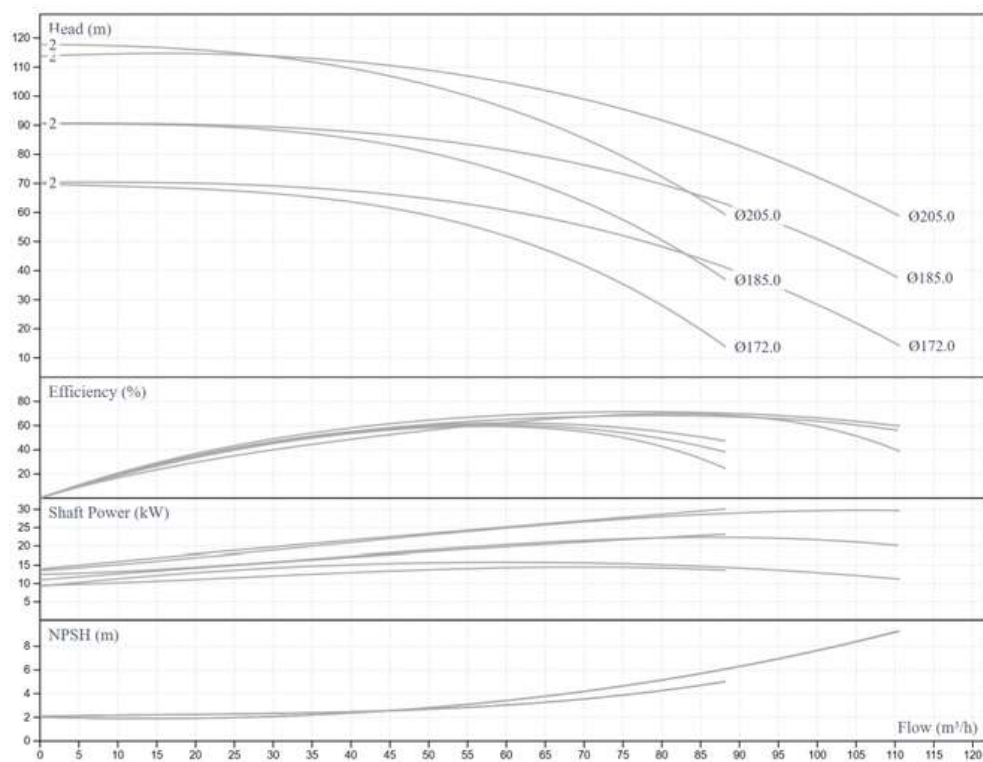
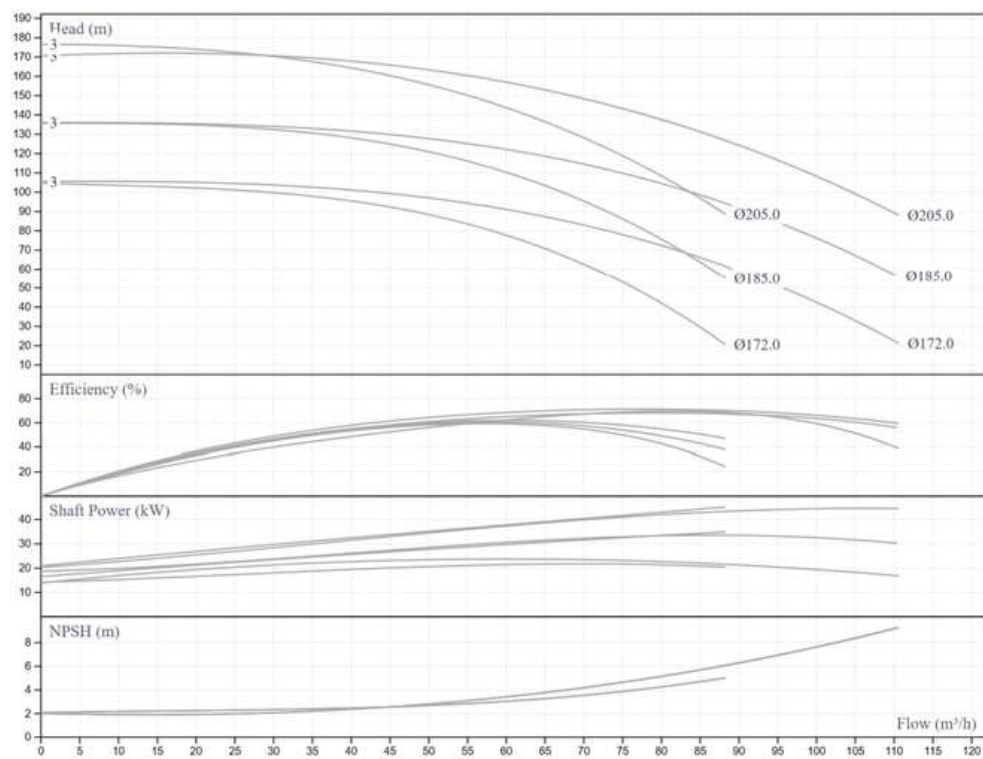


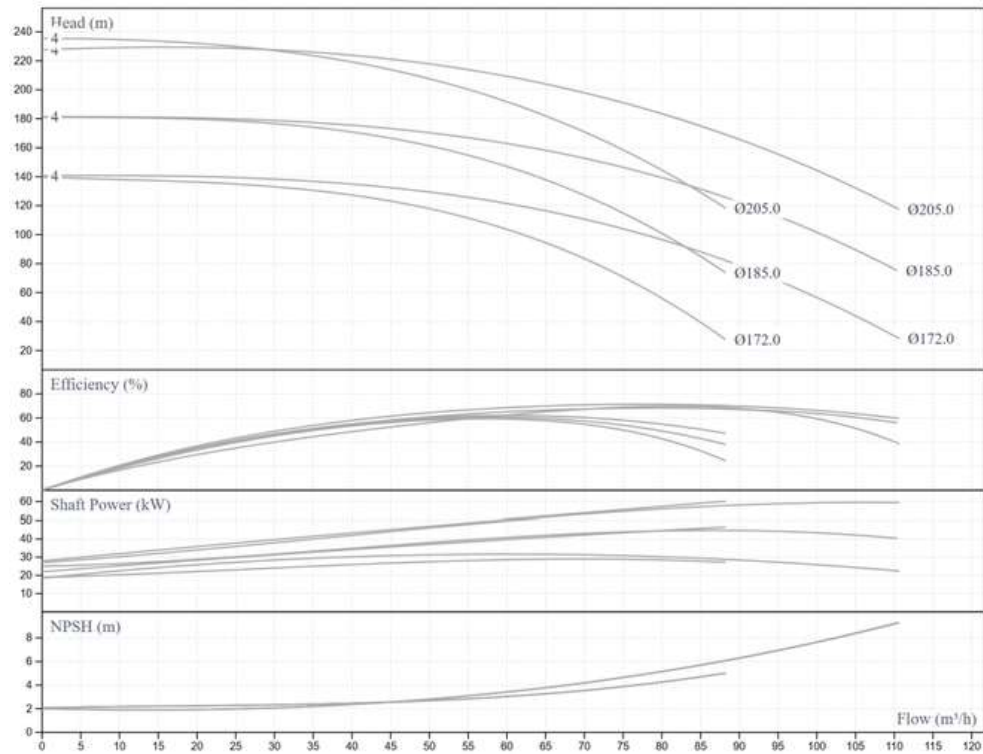
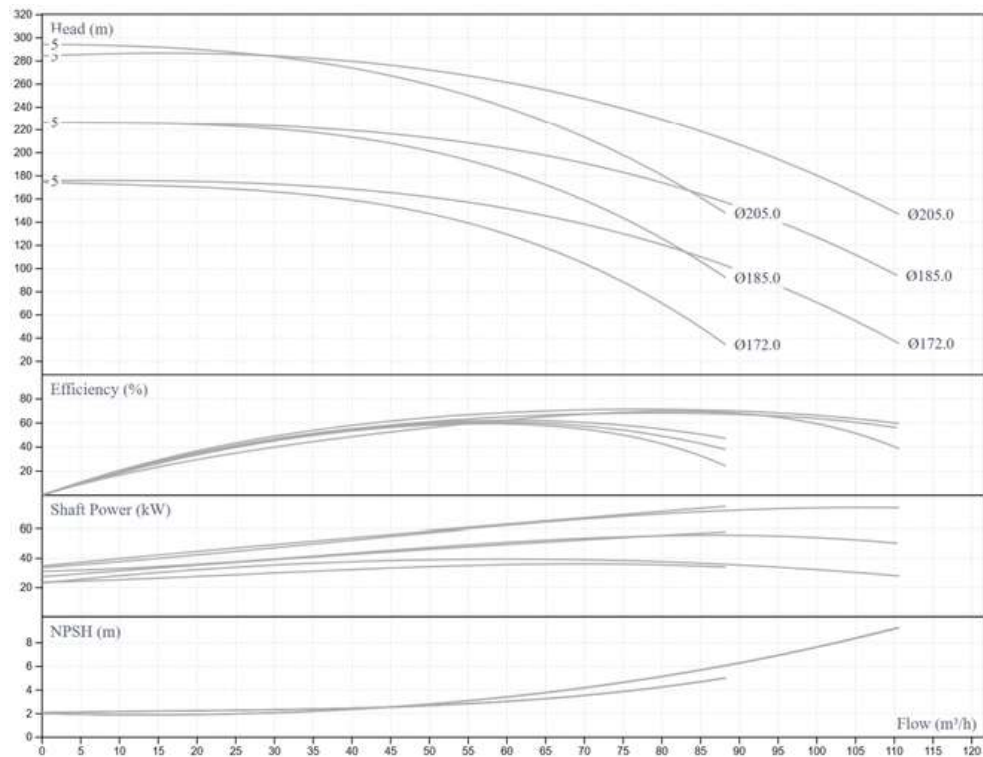
MGH 50C / 110 kW



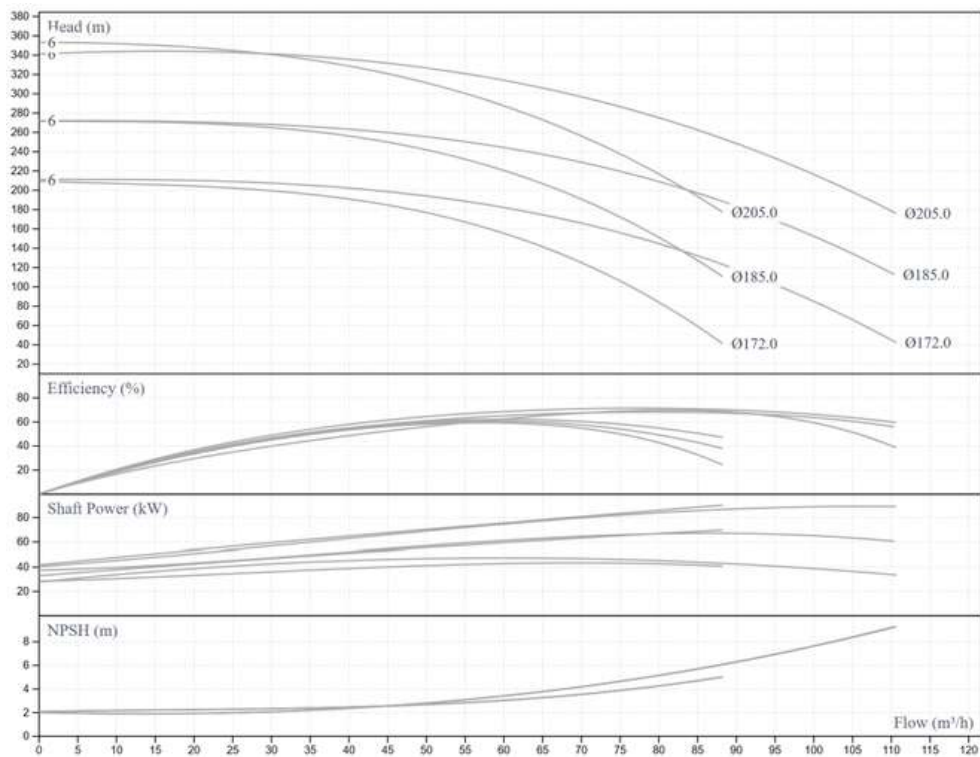
MGH 50C / 132 kW



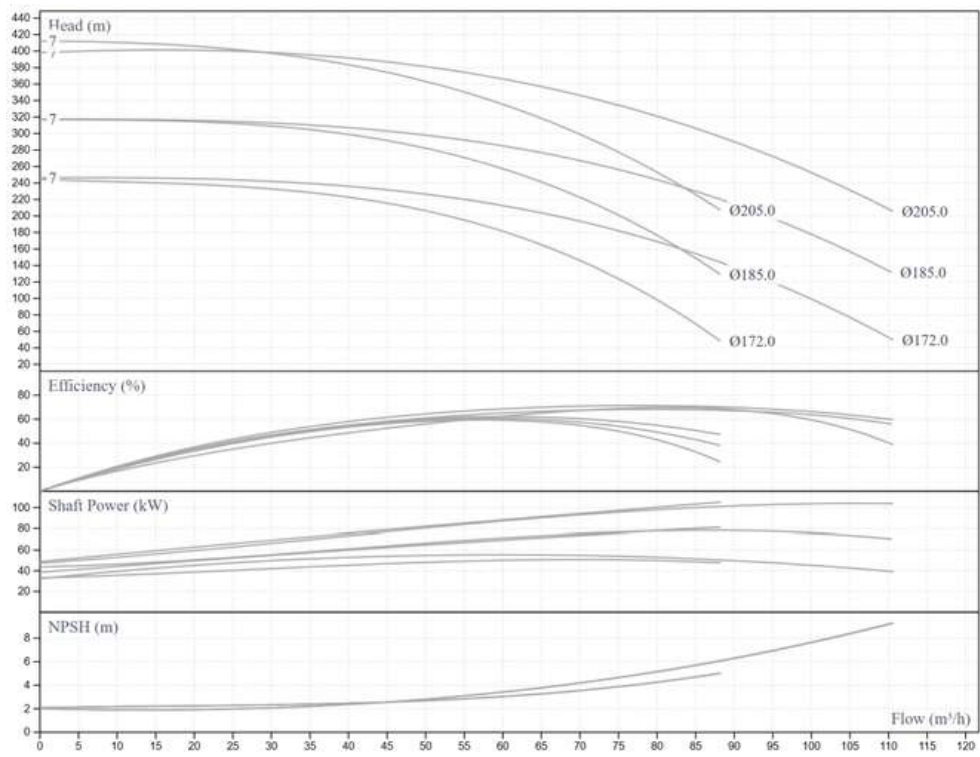
MGH 65 / 37 kW**MGH 65 / 55 kW**

MGH 65 / 75 kW**MGH 65 / 90 kW**

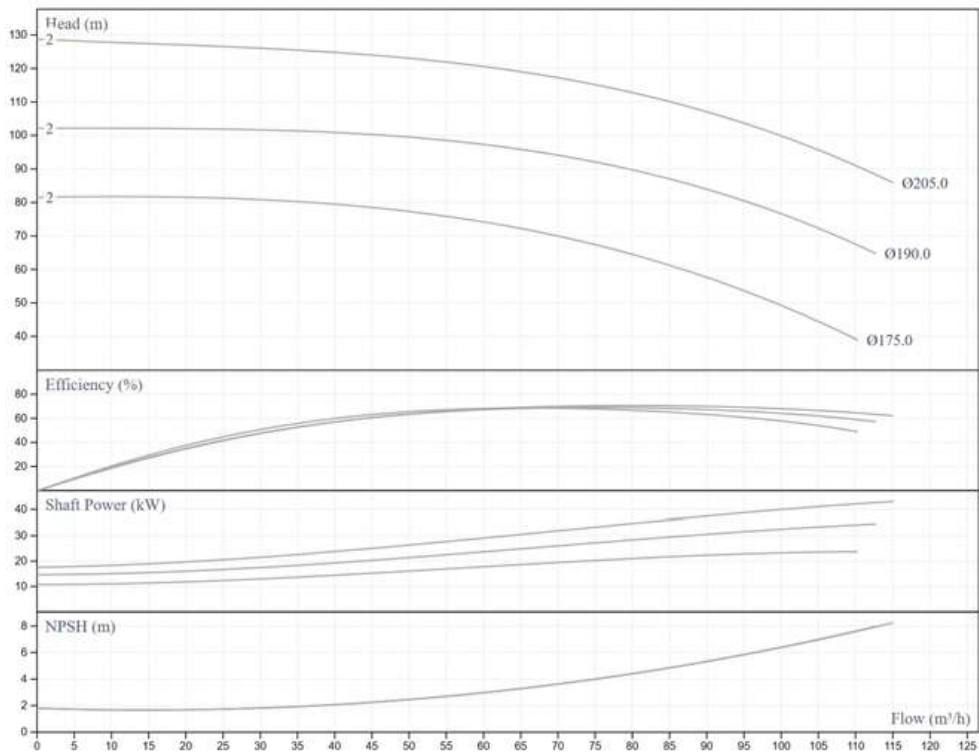
MGH 65 / 110 kW



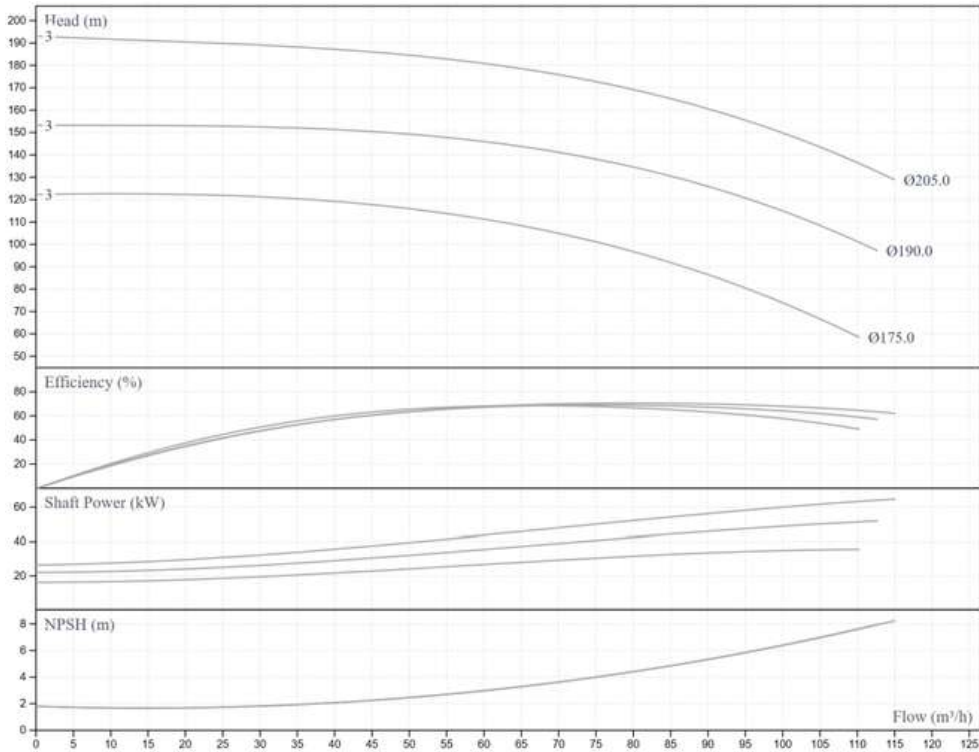
MGH 65 / 132 kW

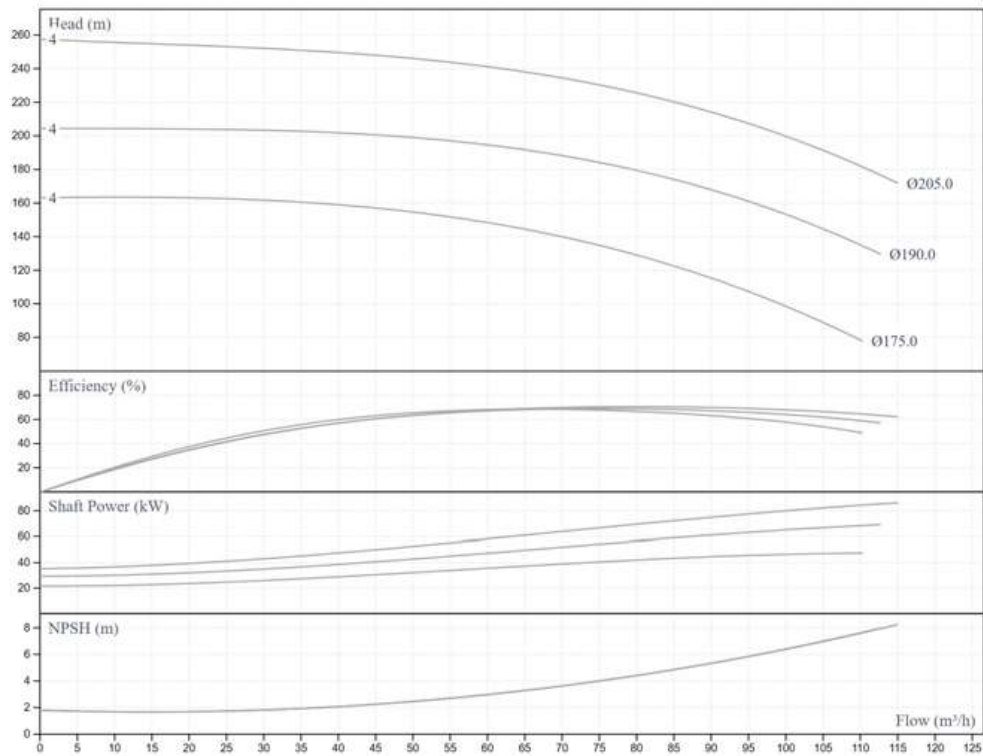
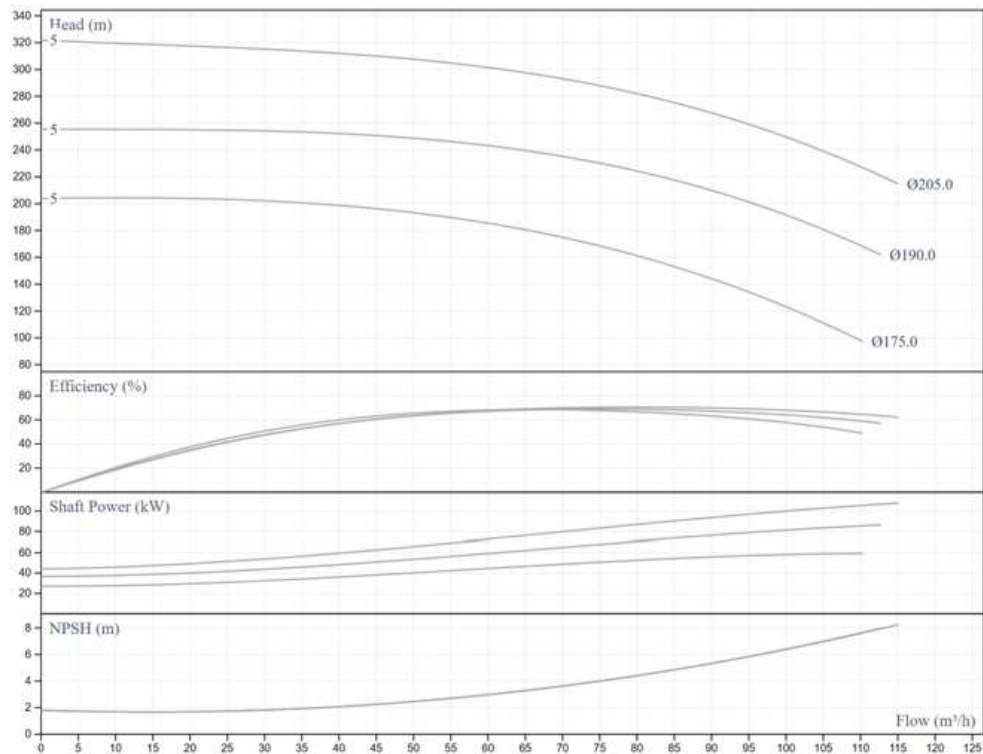


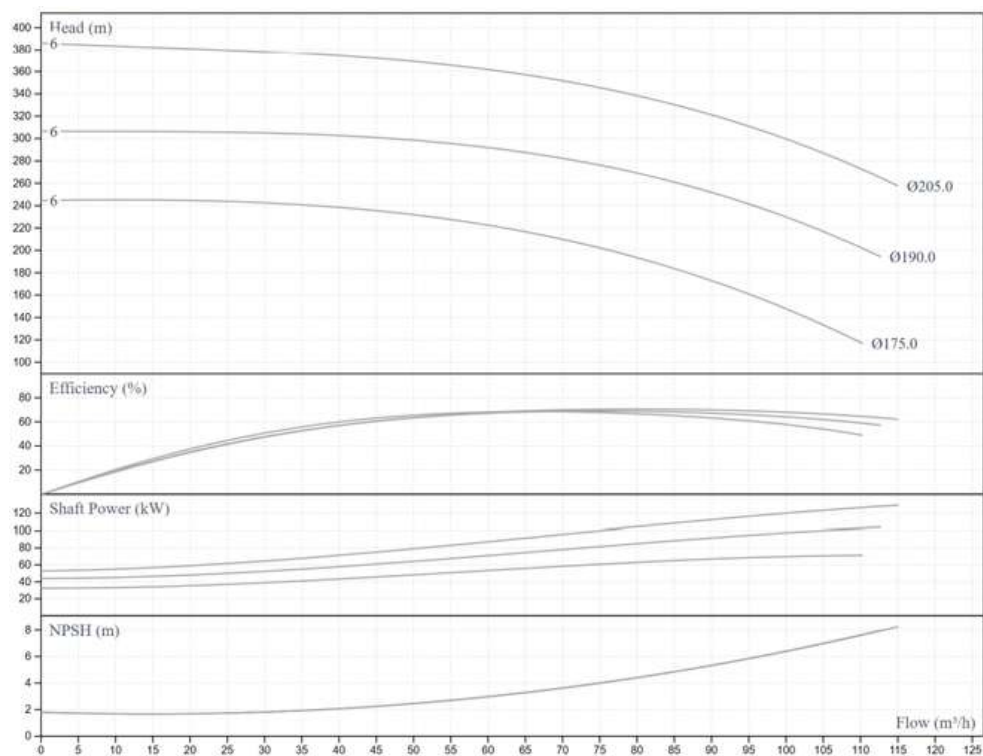
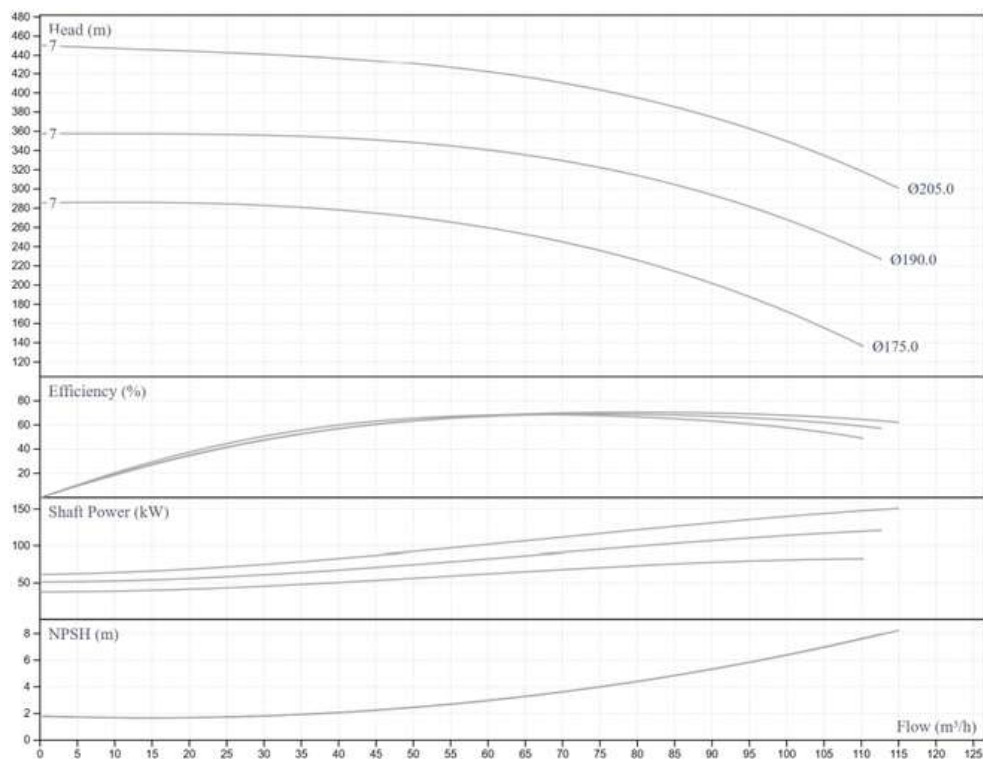
MGH 65C / 55 kW



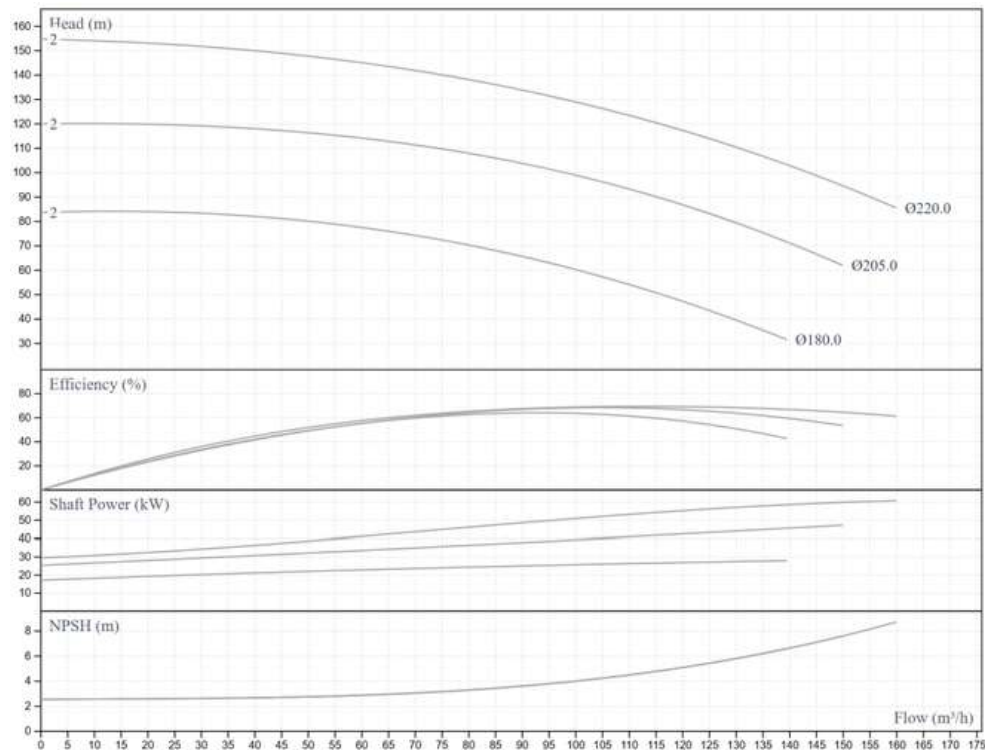
MGH 65C / 75 kW



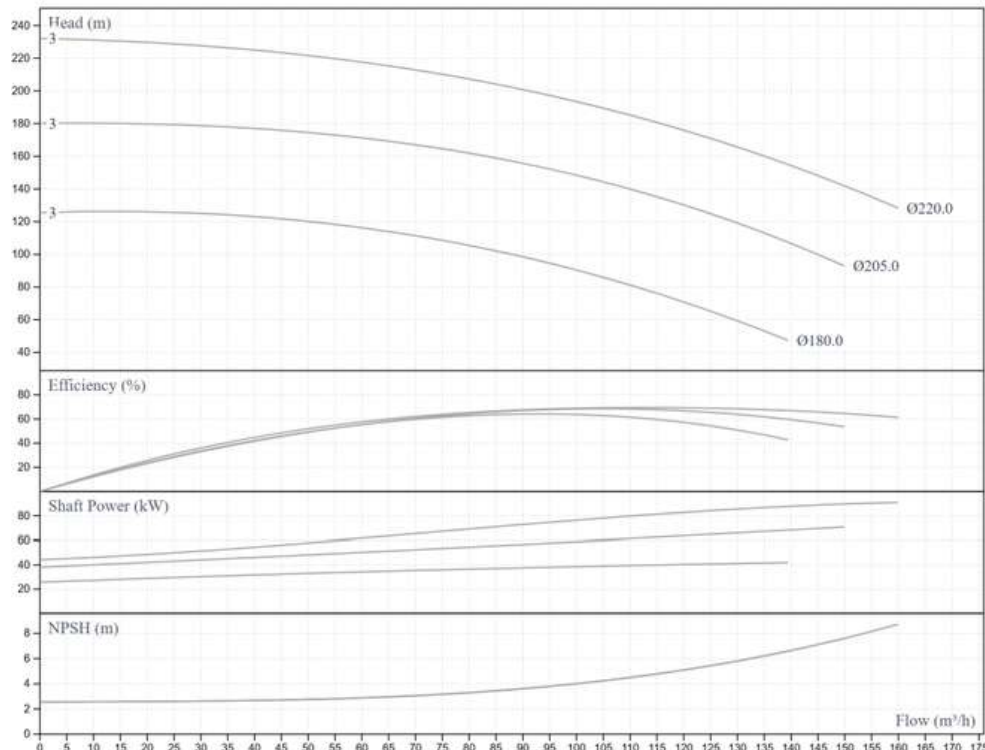
MGH 65C / 110 kW**MGH 65C / 132 kW**

MGH 65C / 160 kW**MGH 65C / 185 kW**

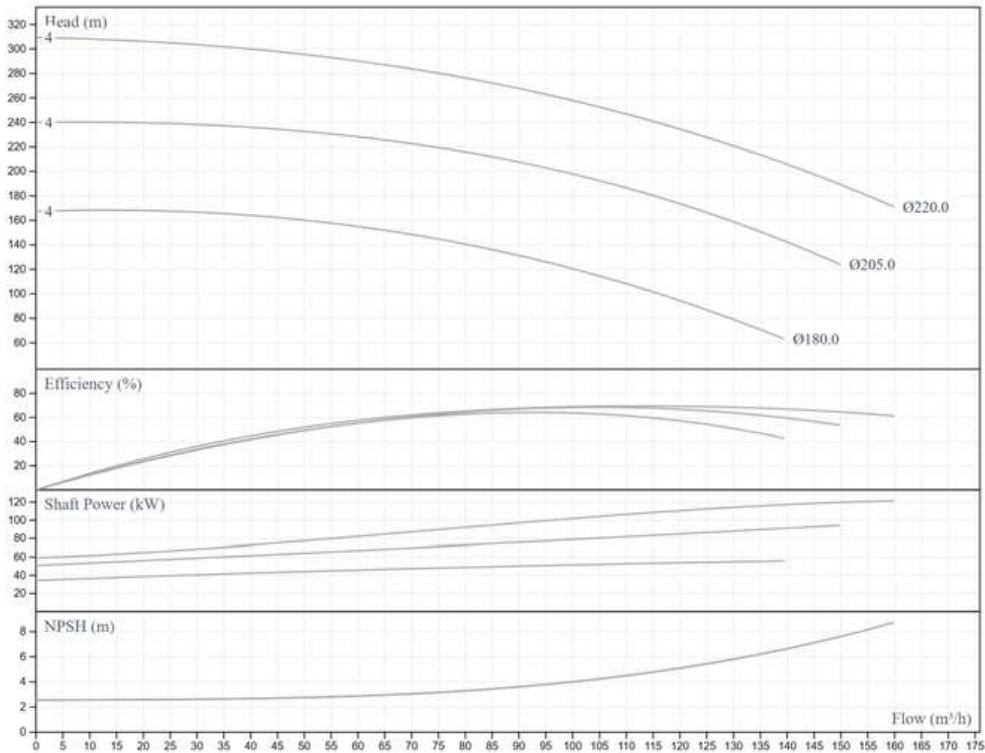
MGH 80 / 110 kW



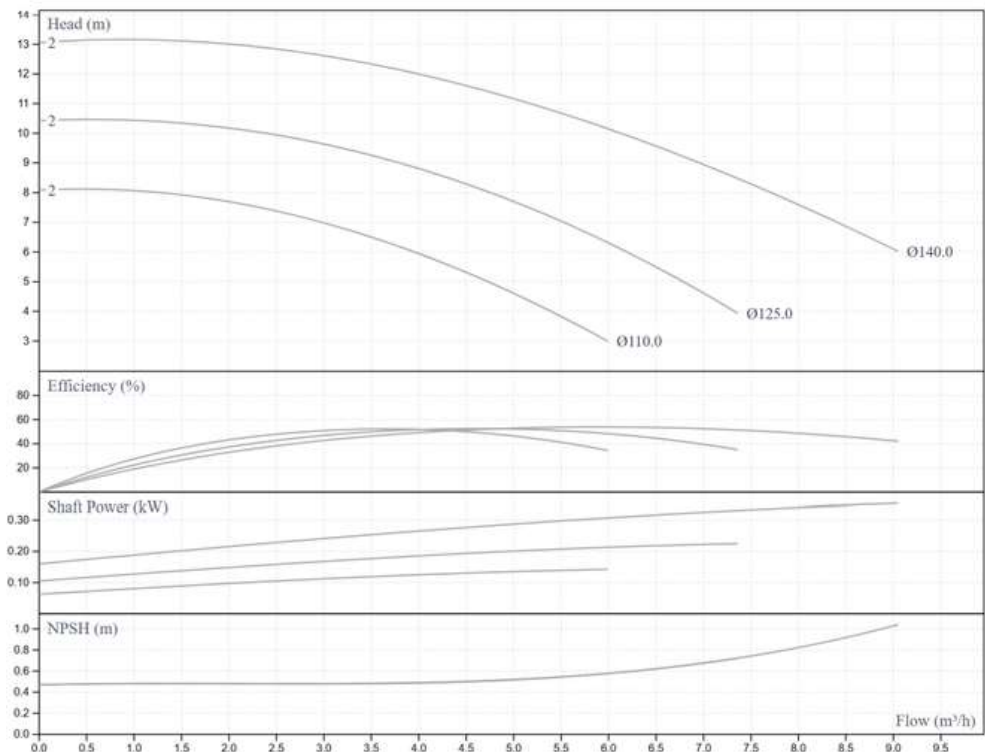
MGH 80 / 160 kW

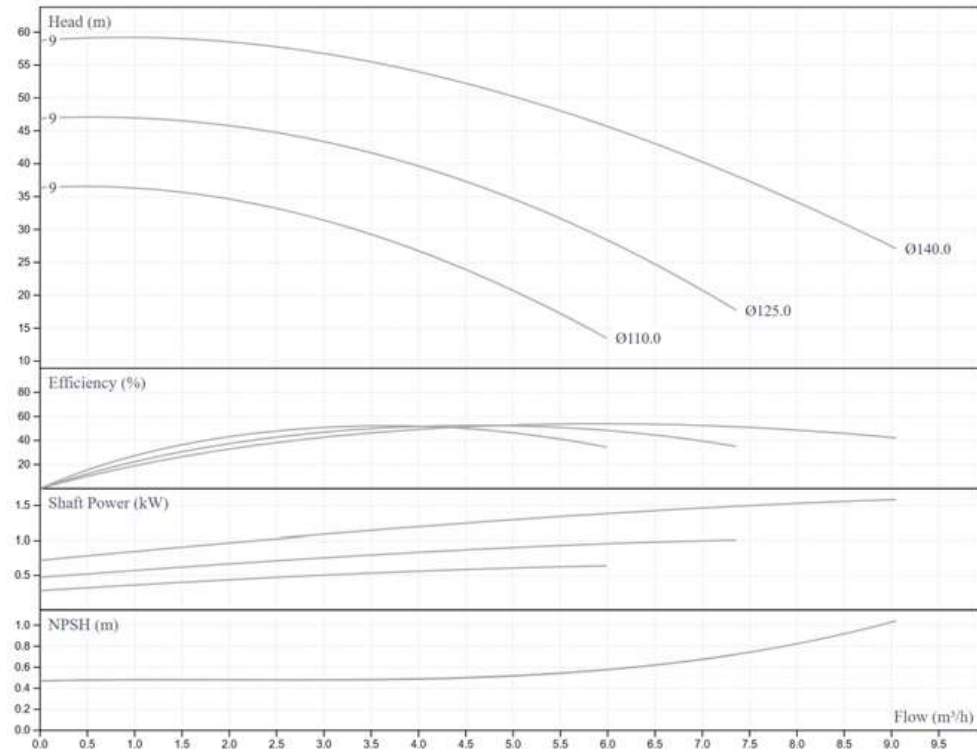
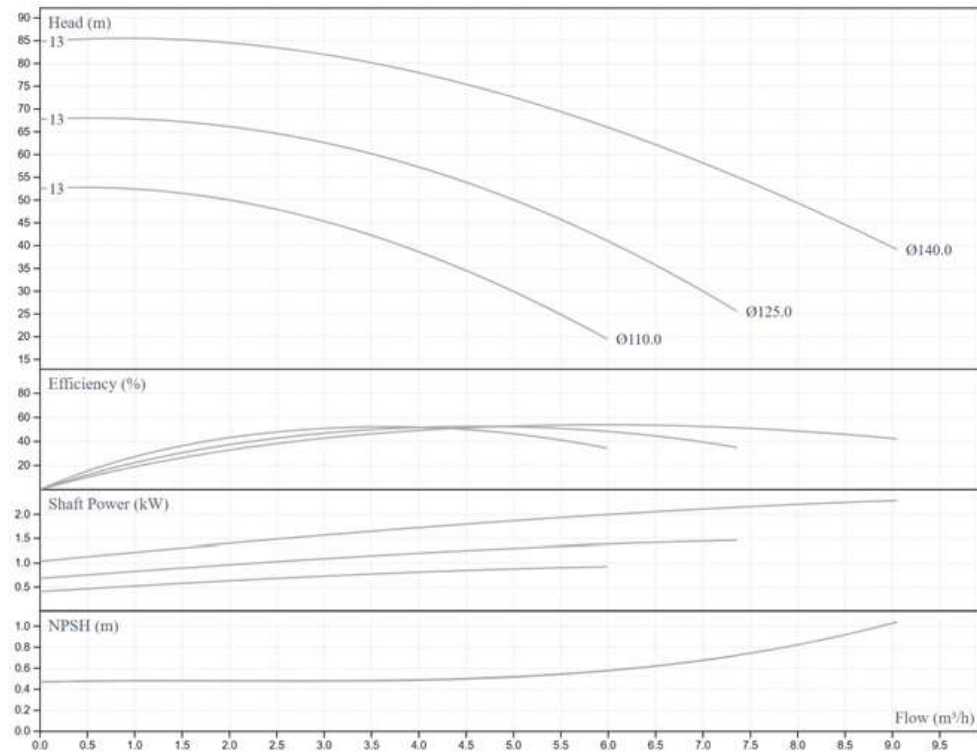


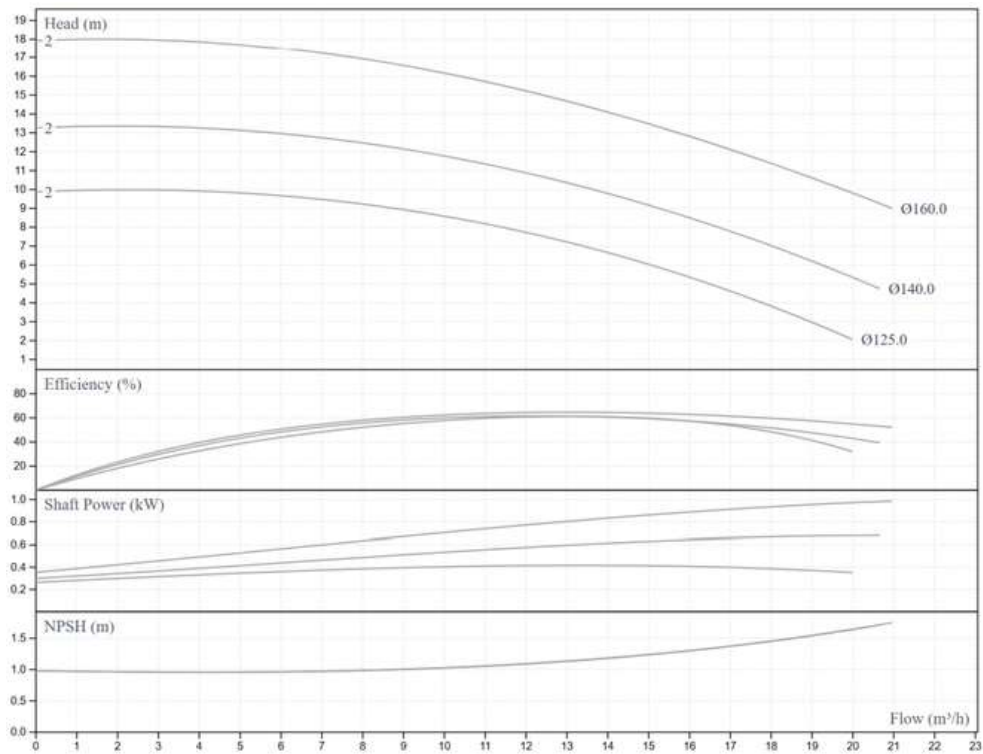
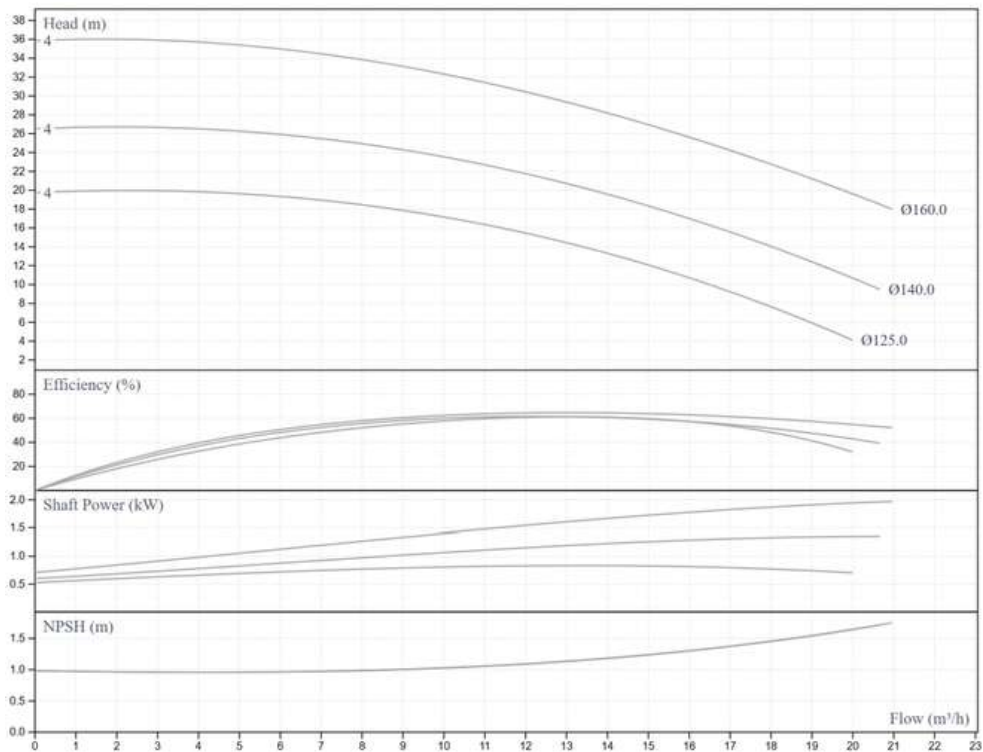
MGH 80 / 185 kW



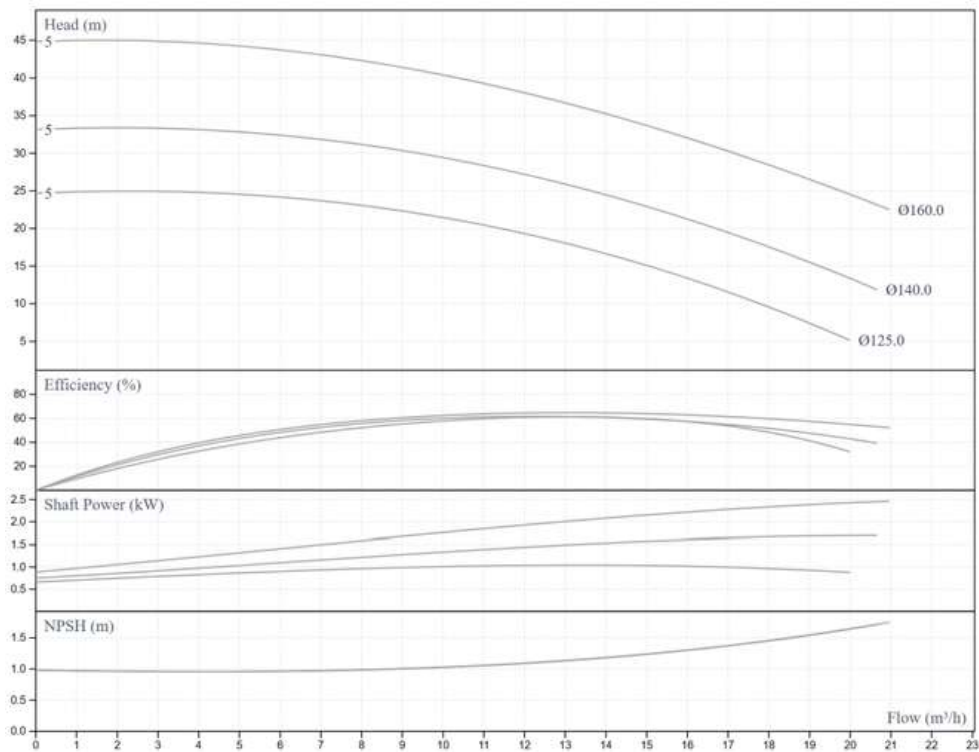
MGH4 32 / 3 kW



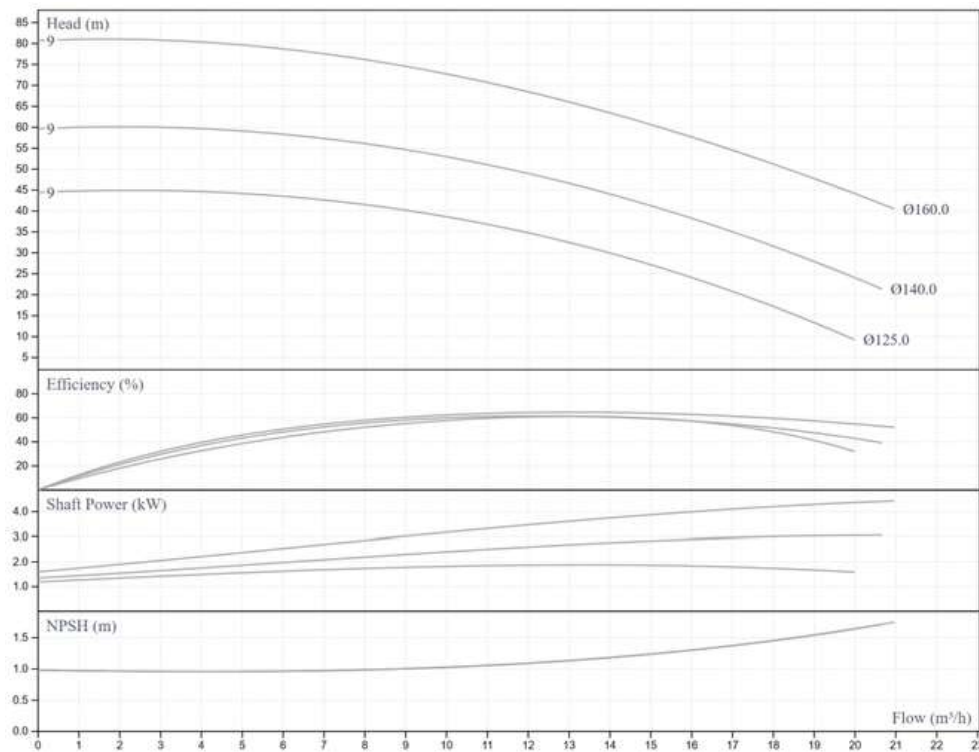
MGH4 32 / 4 kW**MGH4 32 / 5.5 kW**

MGH4 40 / 1.5 kW**MGH4 40 / 2.2 kW**

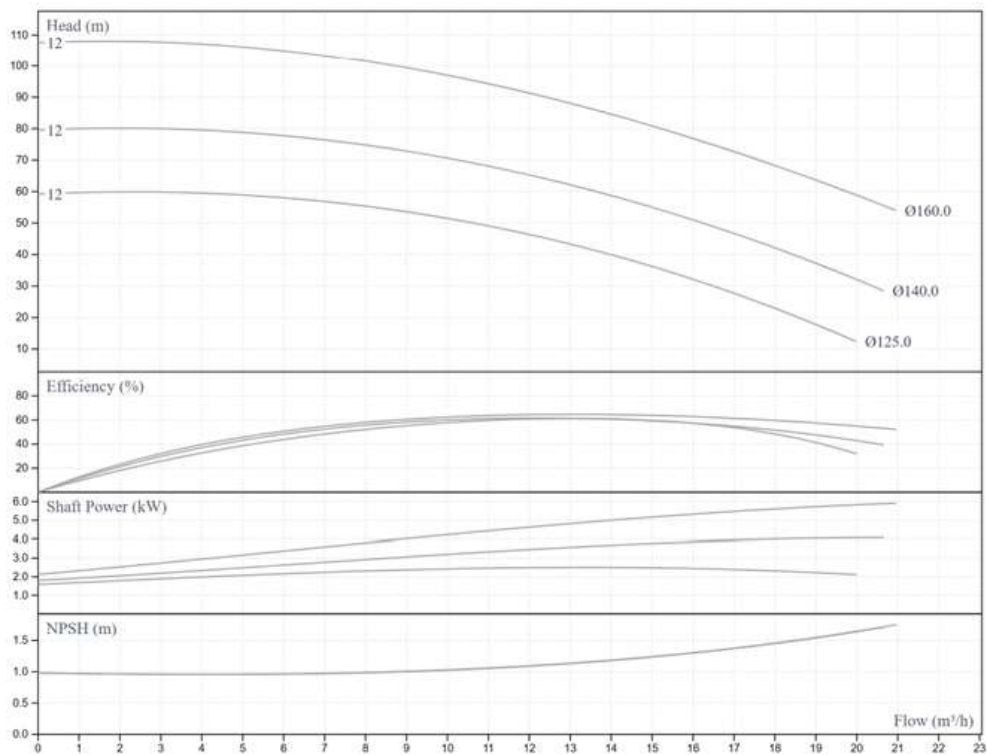
MGH4 40 / 3 kW



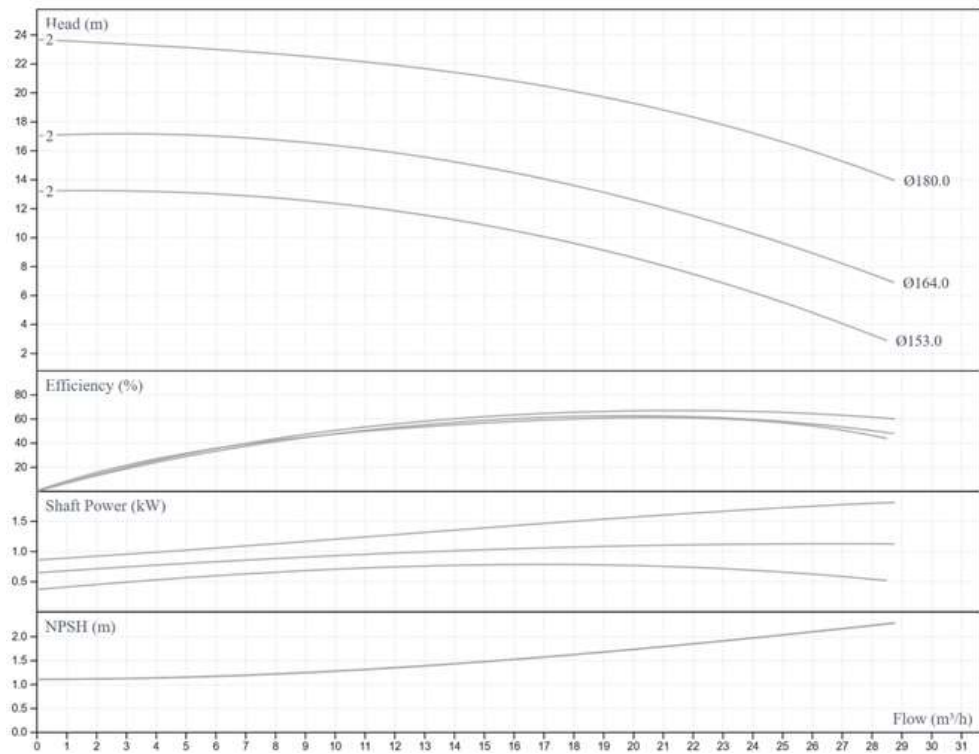
MGH4 40 / 5.5 kW



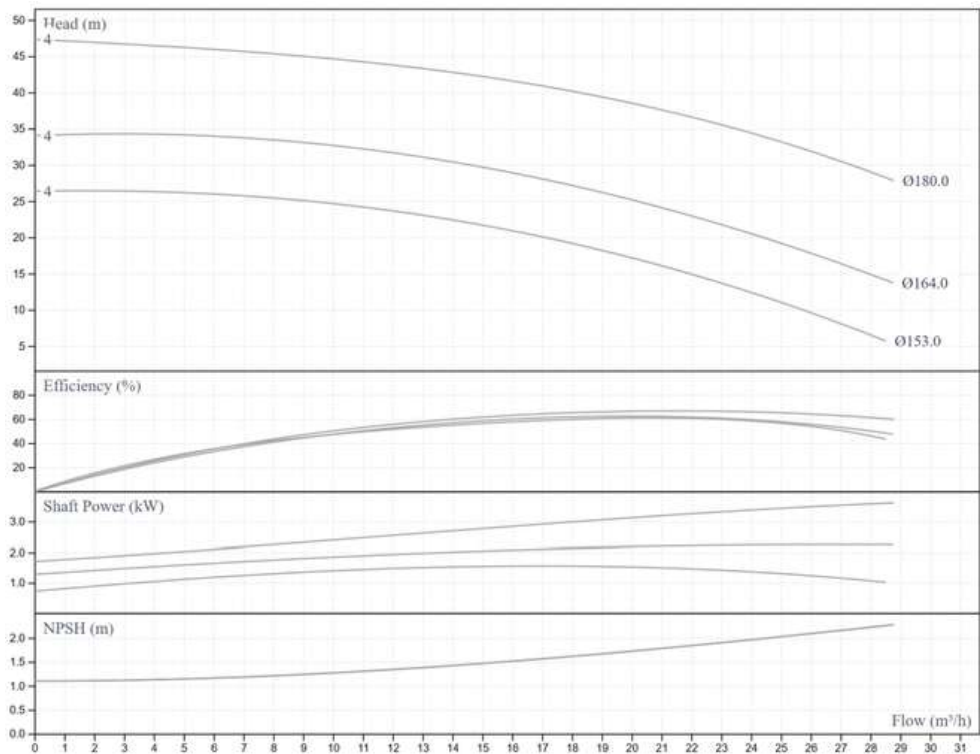
MGH4 40 / 7.5 kW



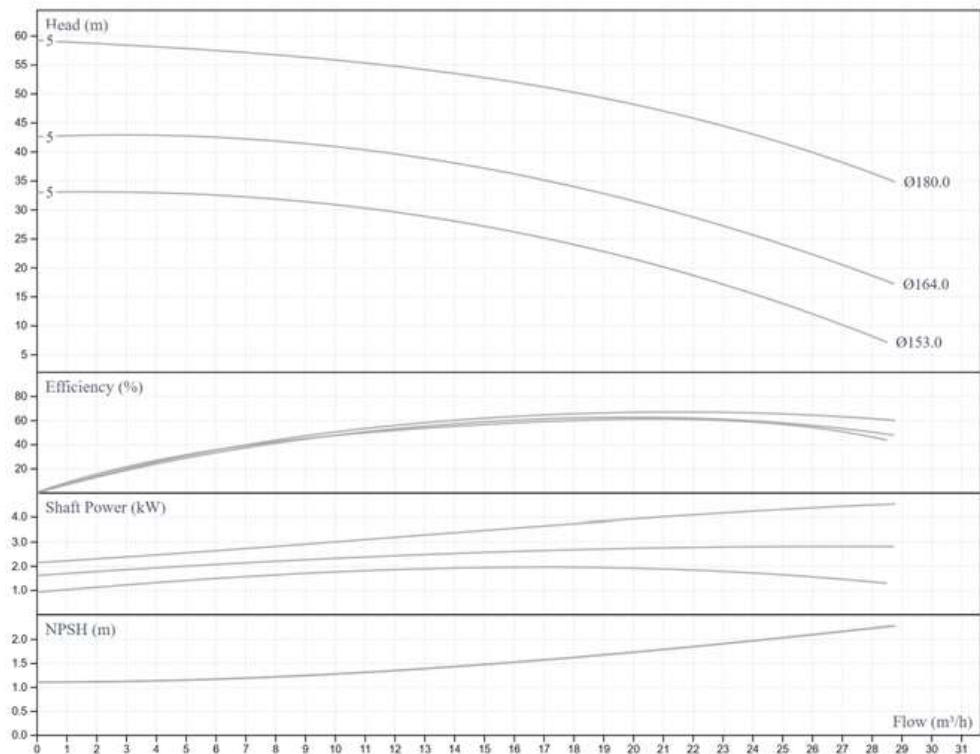
MGH4 50 / 4 kW

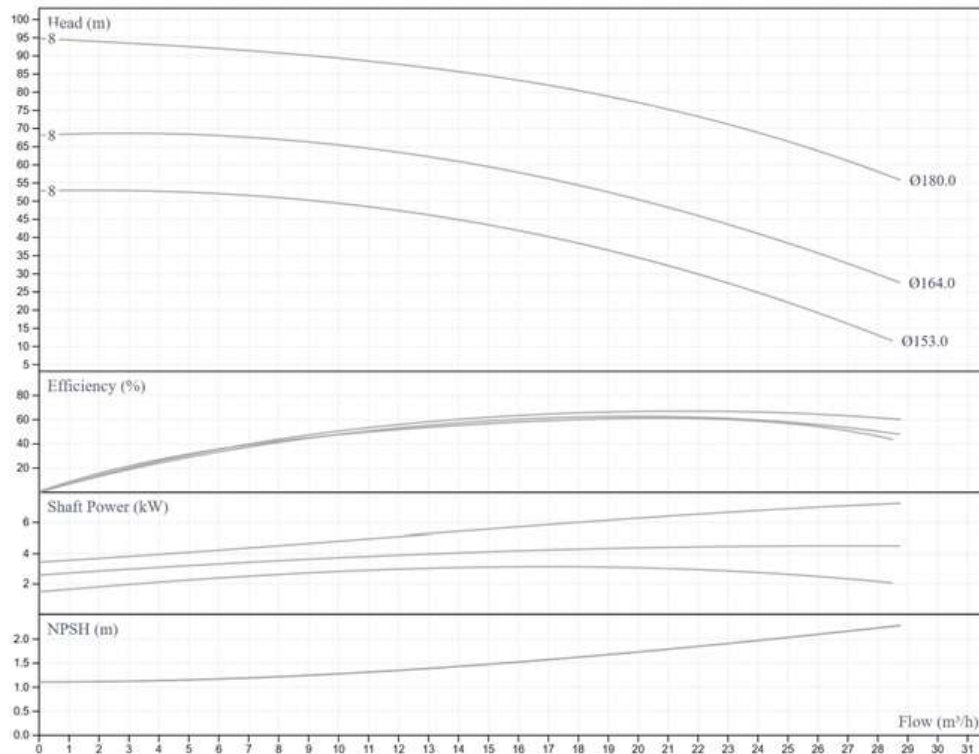
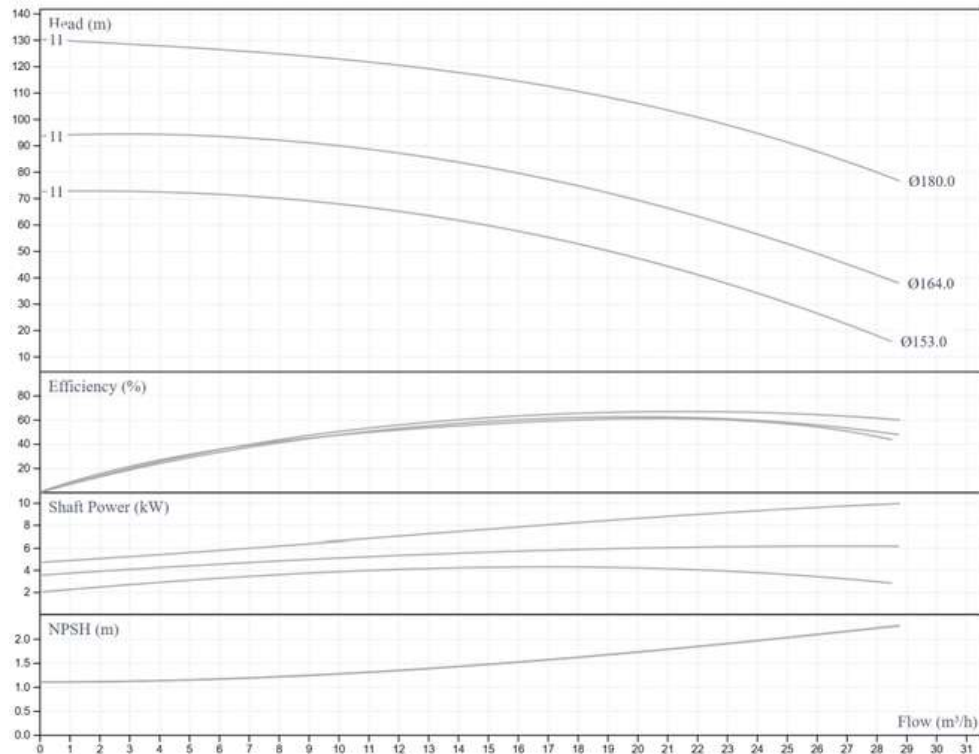


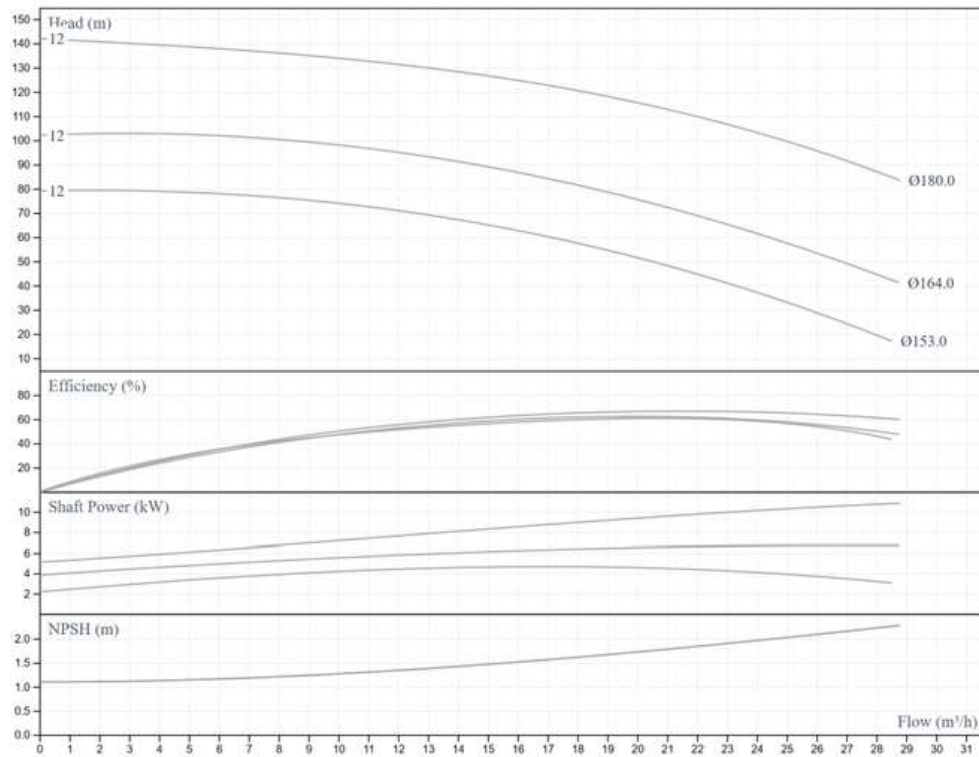
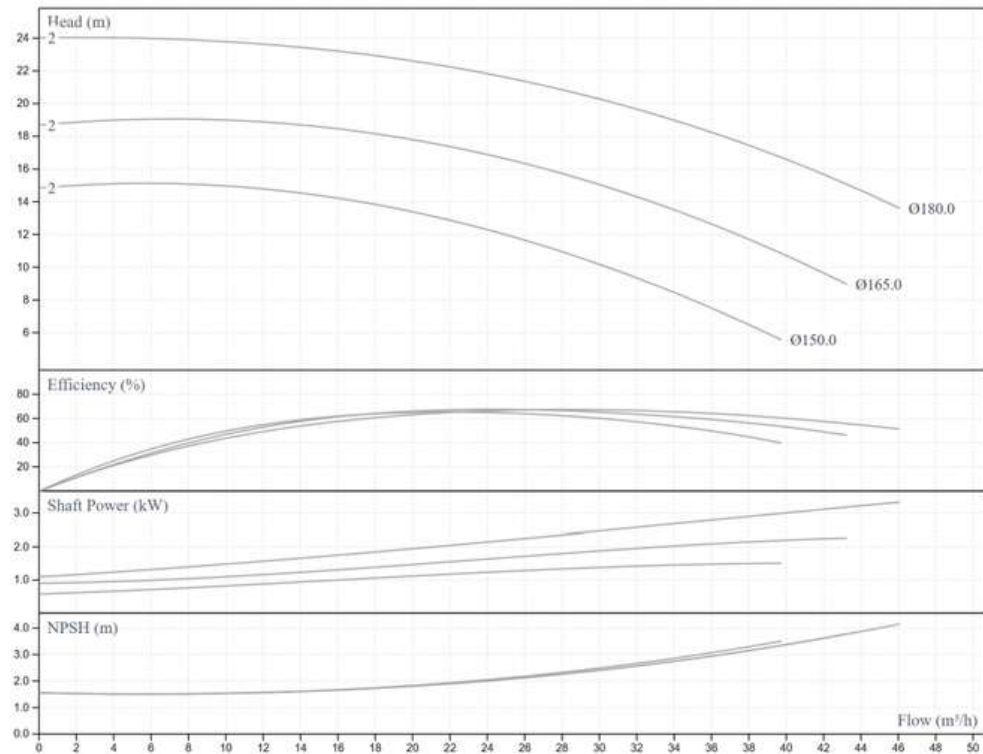
MGH4 50 / 5.5 kW



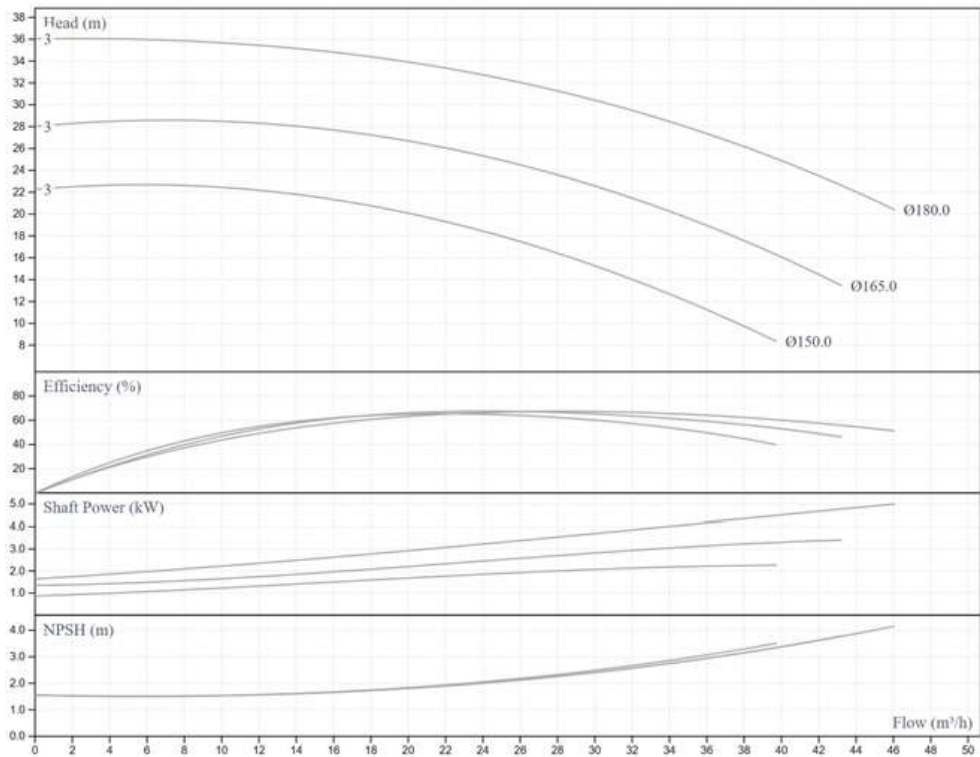
MGH4 50 / 9.2 kW



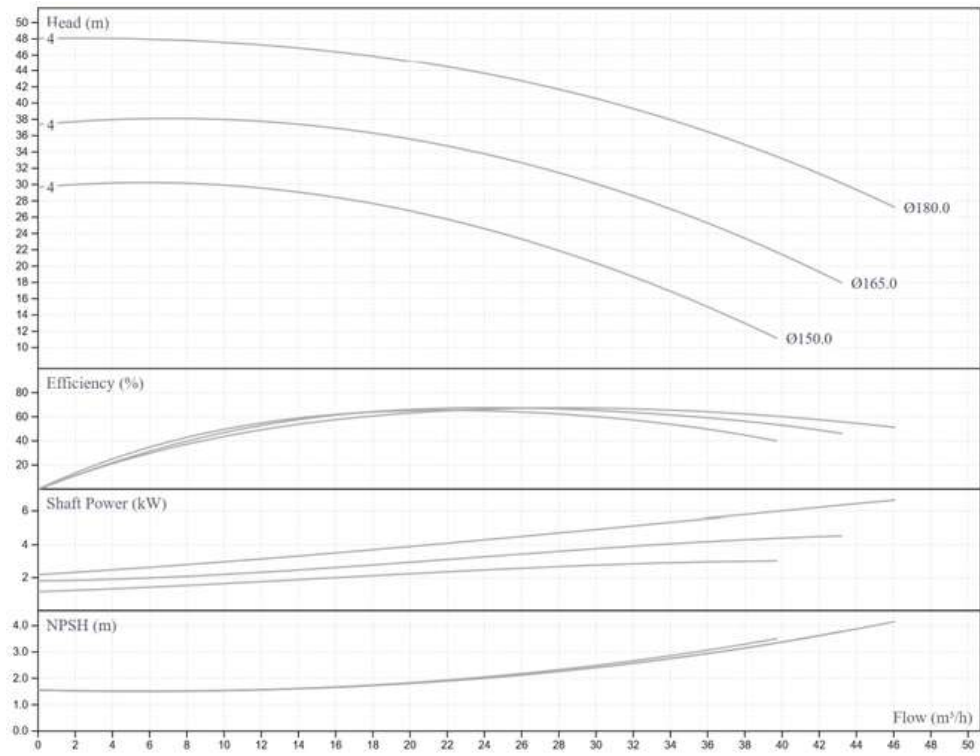
MGH4 50 / 11 kW**MGH4 50 / 15 kW**

MGH4 50 / 18.5 kW**MGH4 50C / 4 kW**

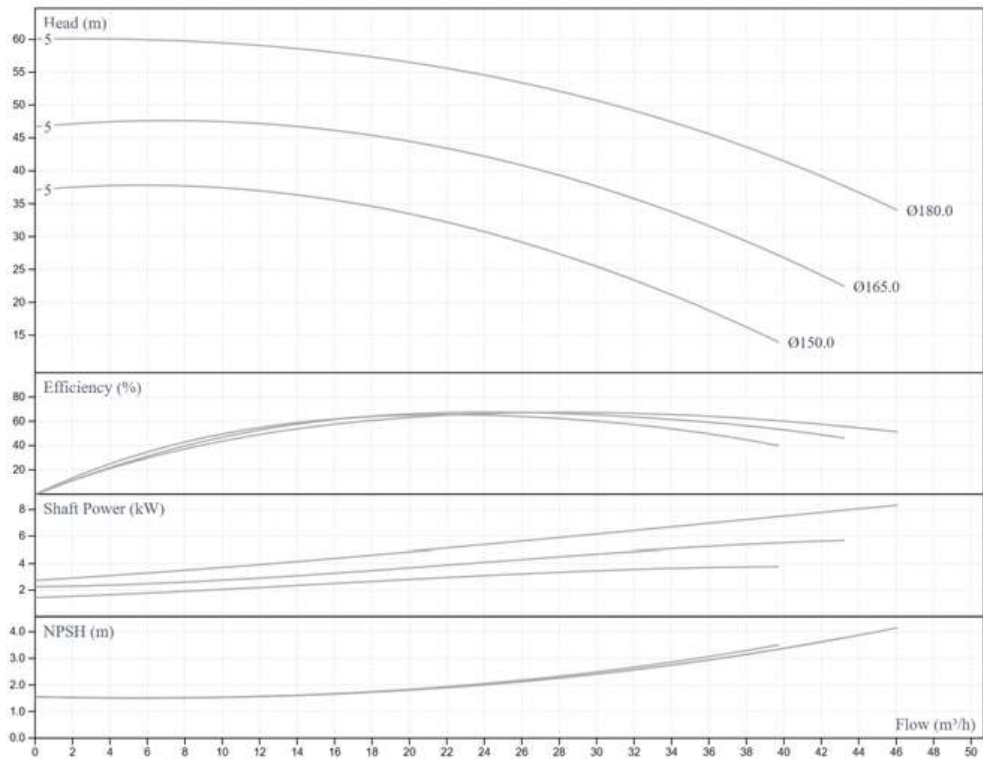
MGH4 50C / 7.5 kW



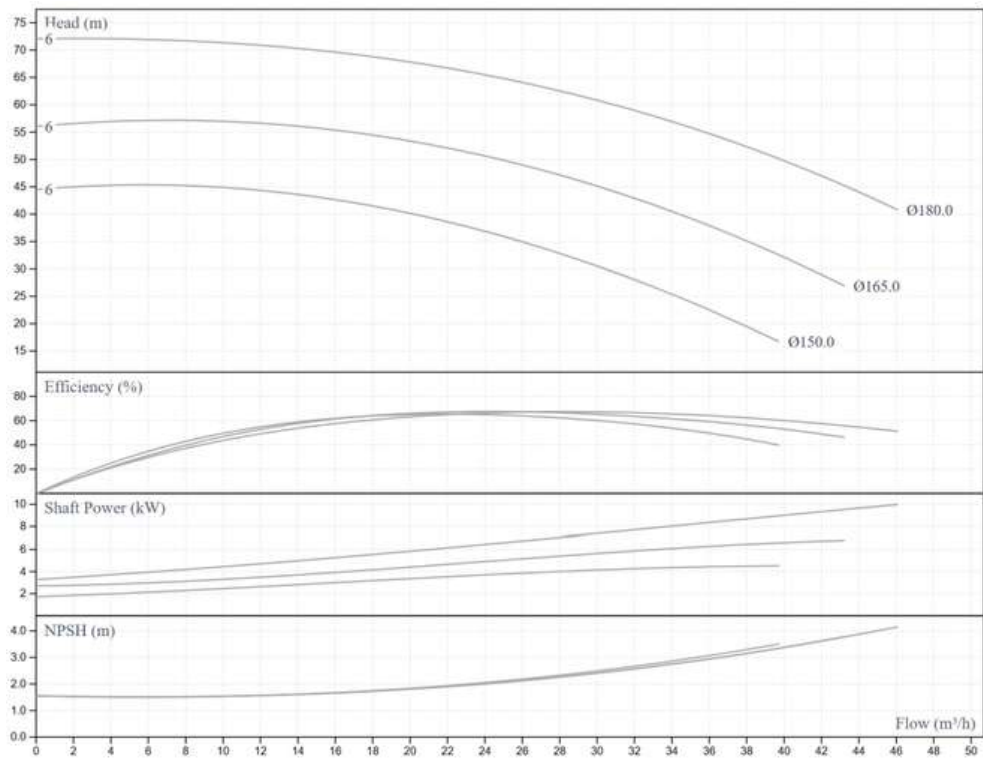
MGH4 50C / 9.2 kW



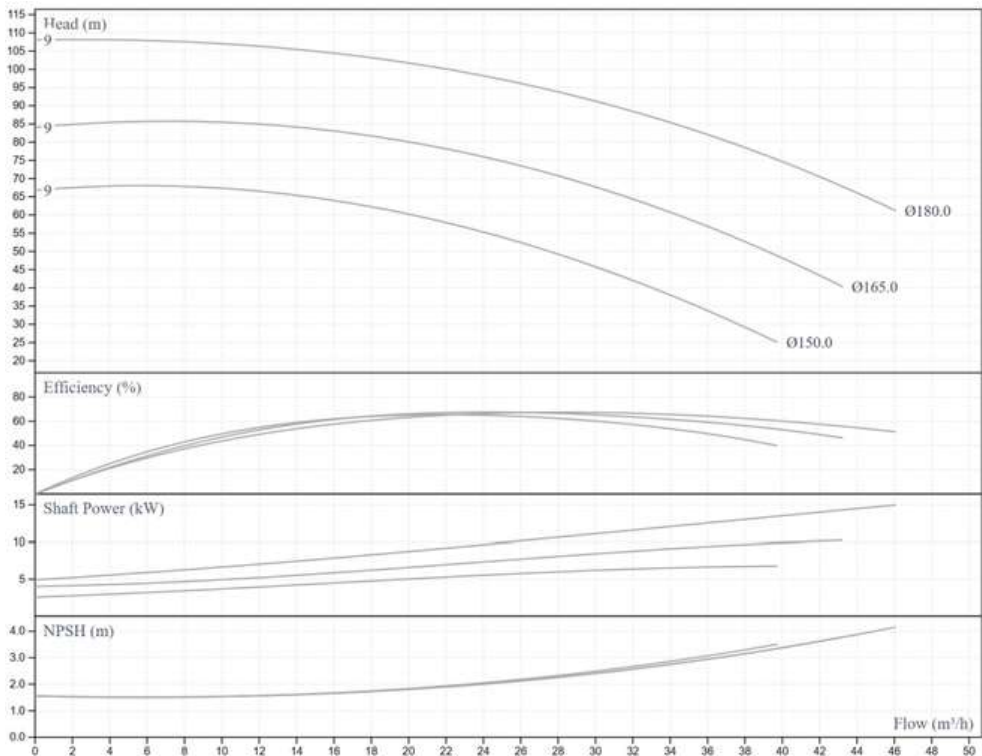
MGH4 50C / 11 kW



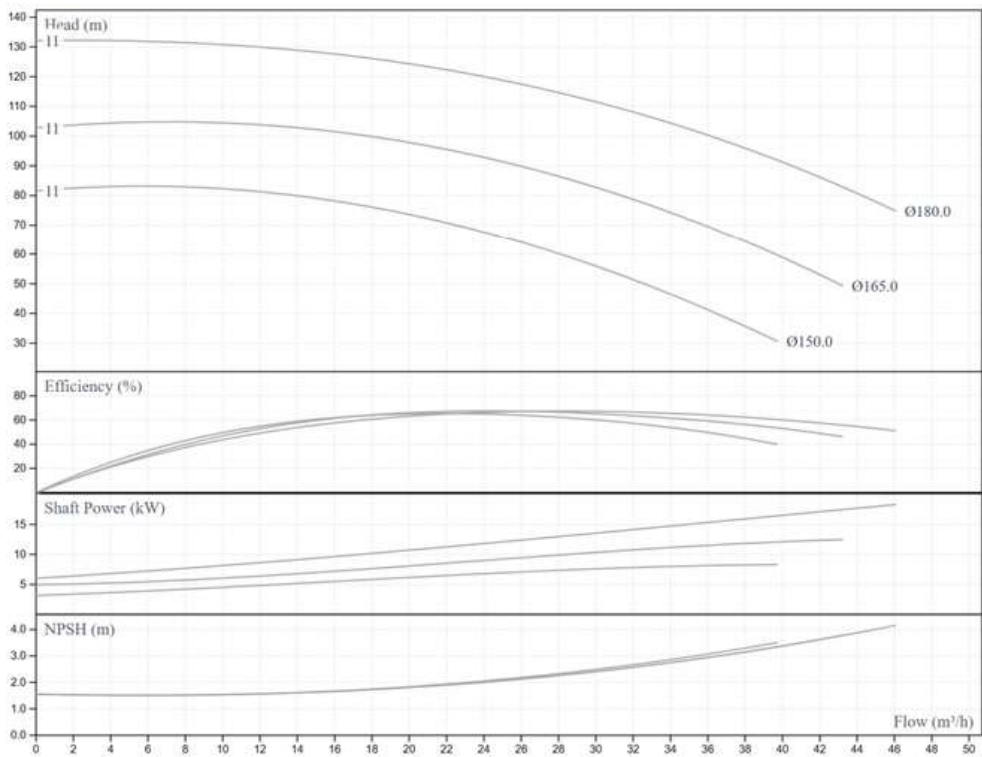
MGH4 50C / 15 kW

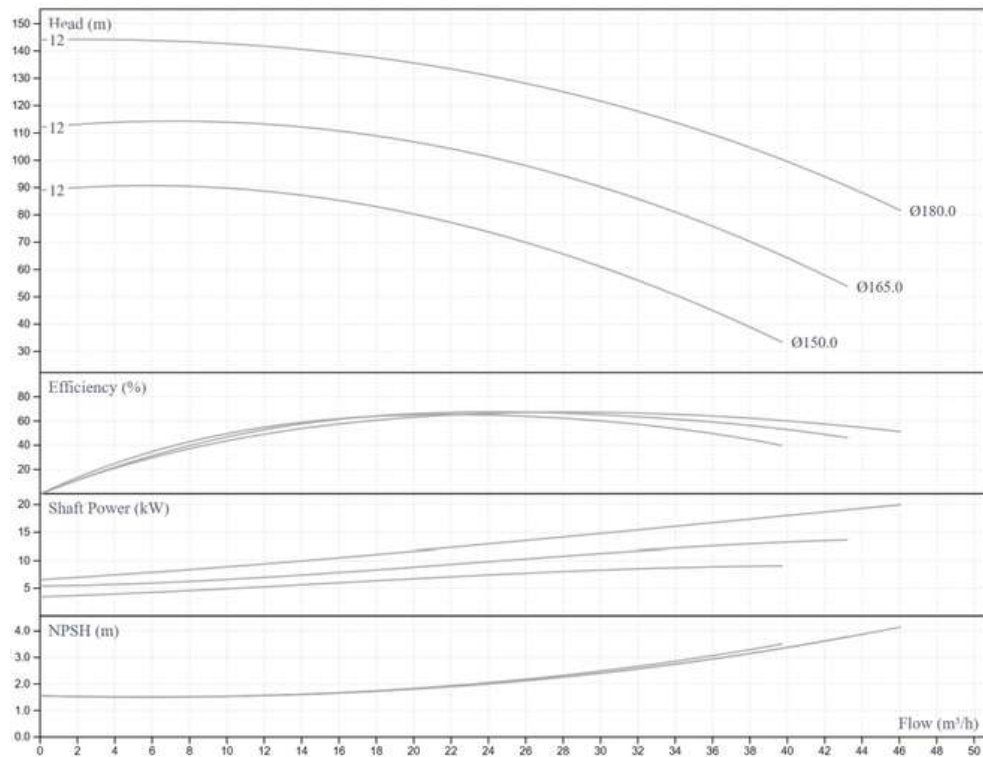
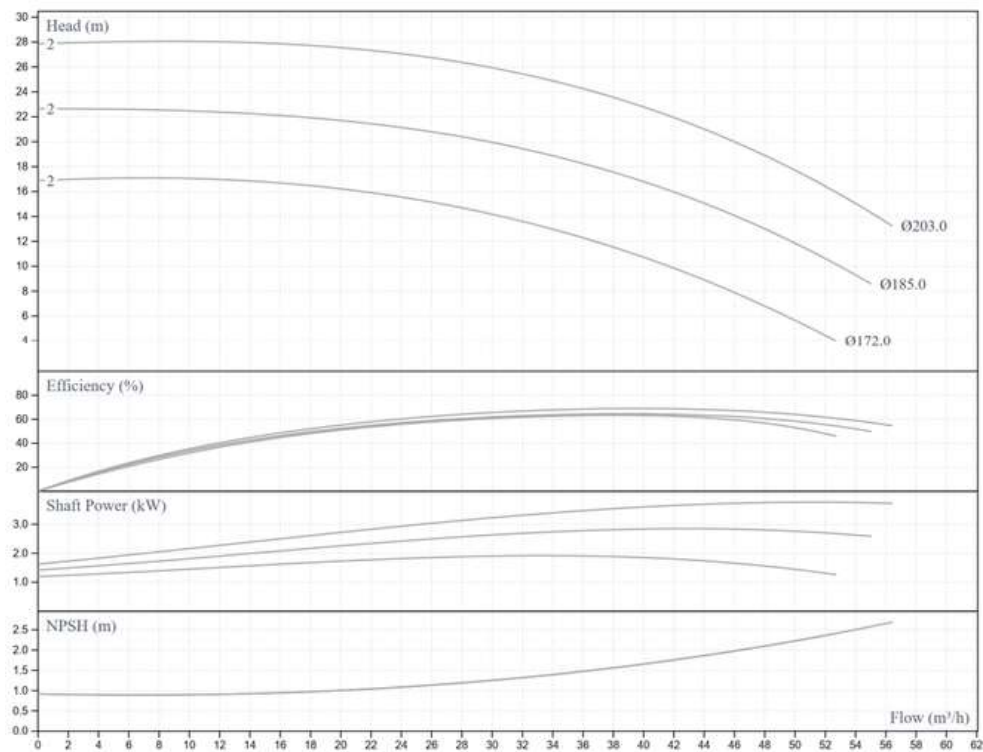


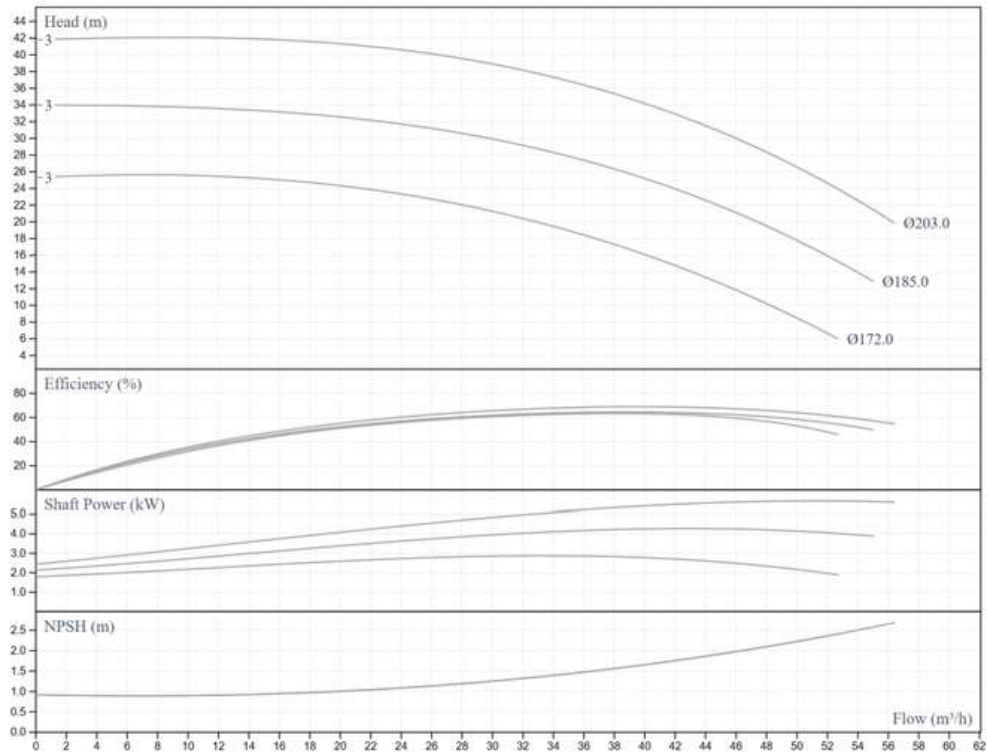
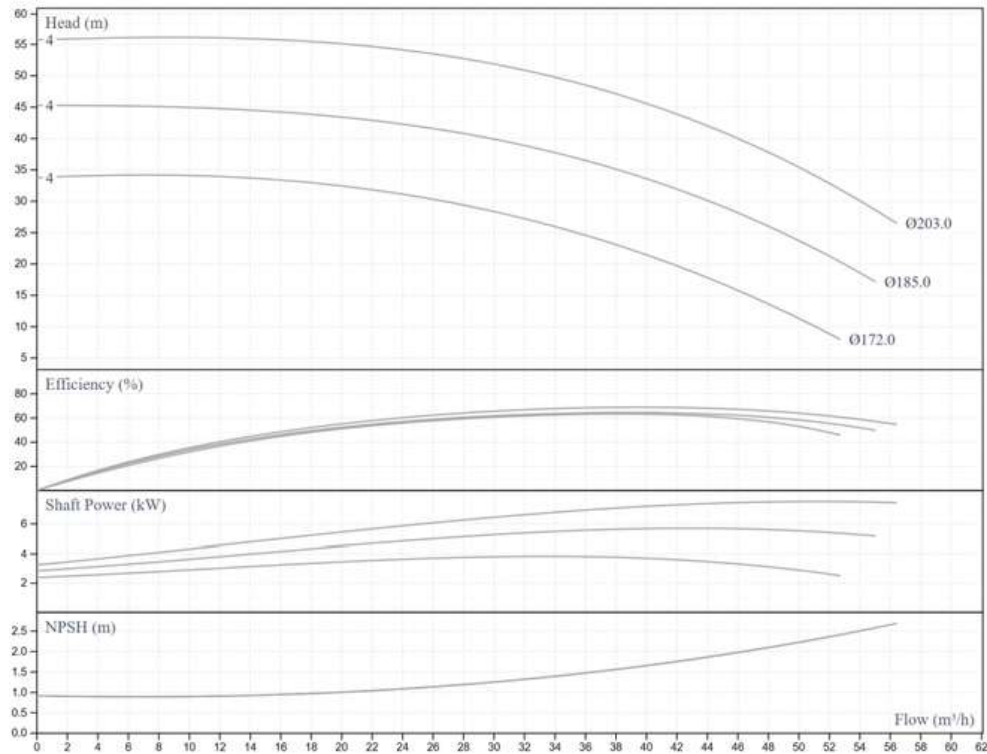
MGH4 50C / 18.5 kW



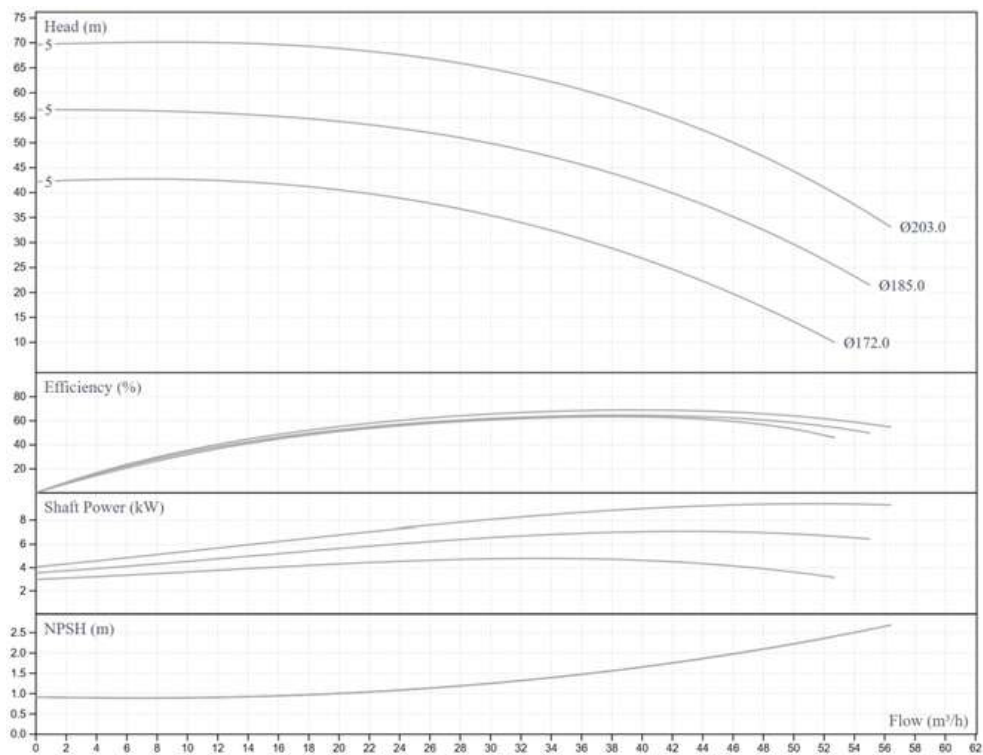
MGH4 50C / 22 kW



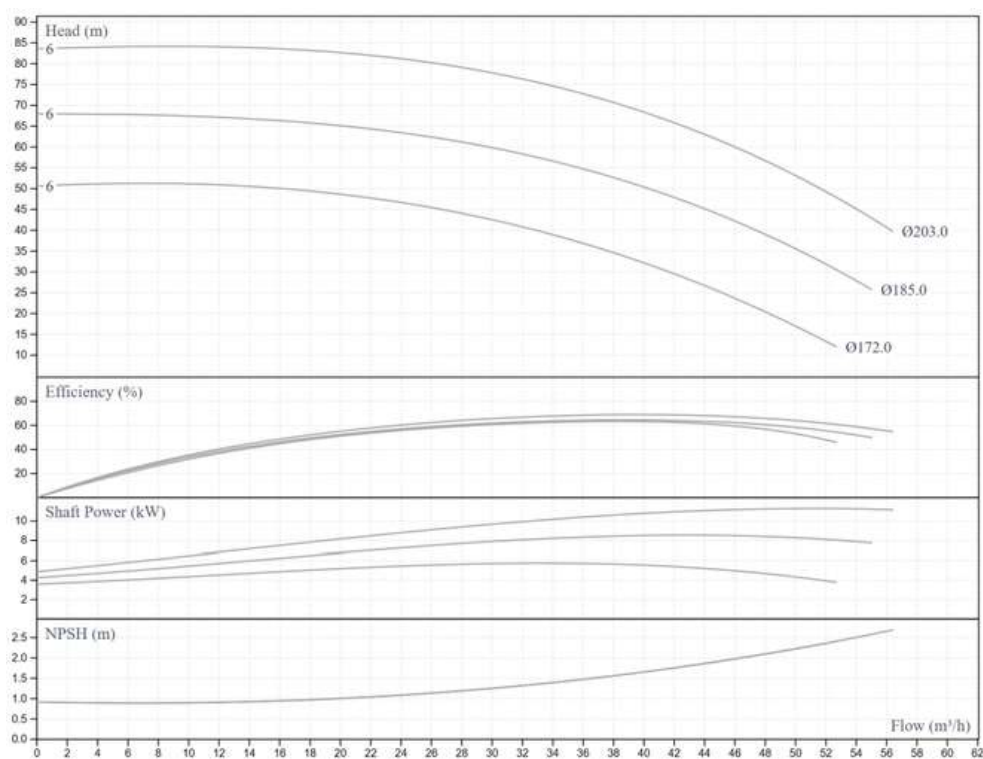
MGH4 50C / 30 kW**MGH4 65 / 7.5 kW**

MGH4 65 / 9.2 kW**MGH4 65 / 11 kW**

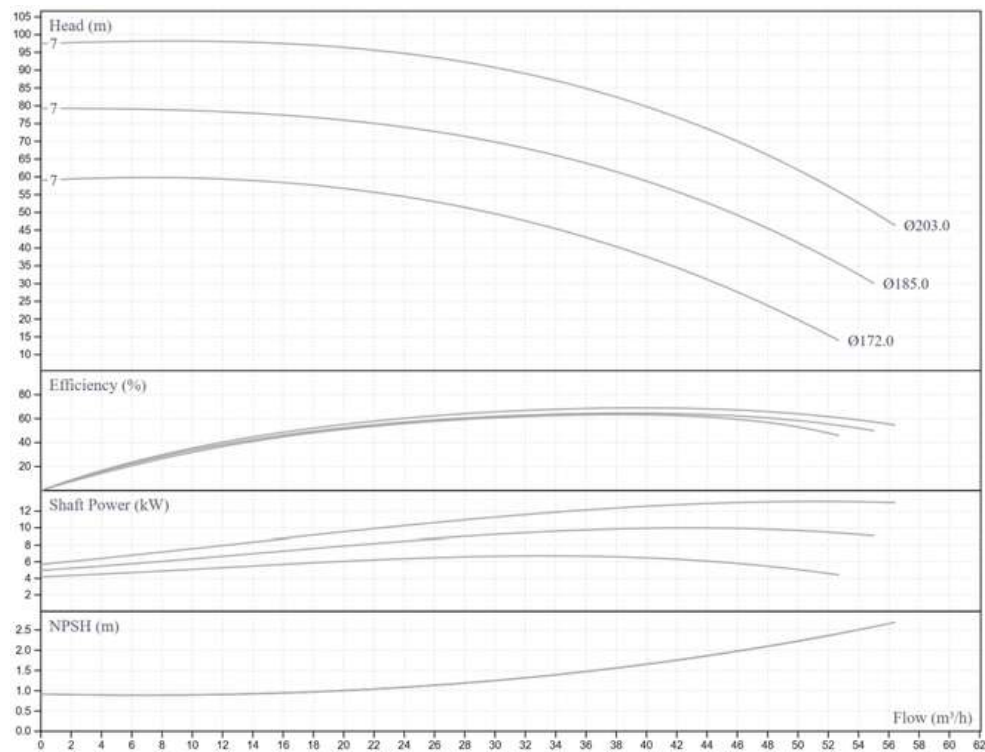
MGH4 65 / 15 kW



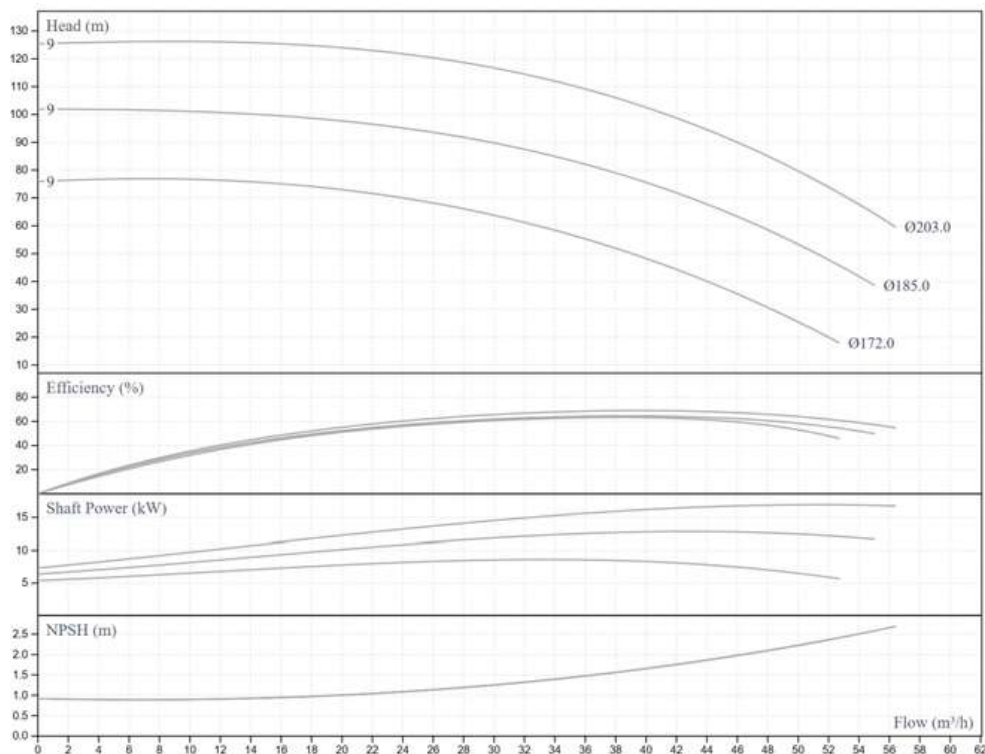
MGH4 65 / 18.5 kW



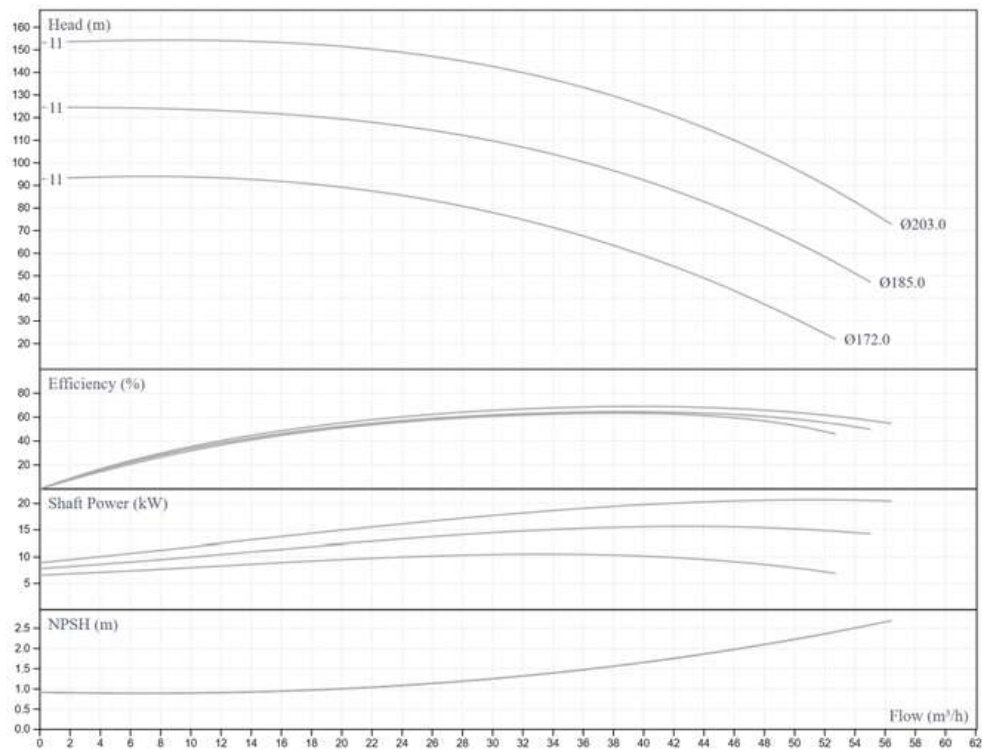
MGH4 65 / 22 kW



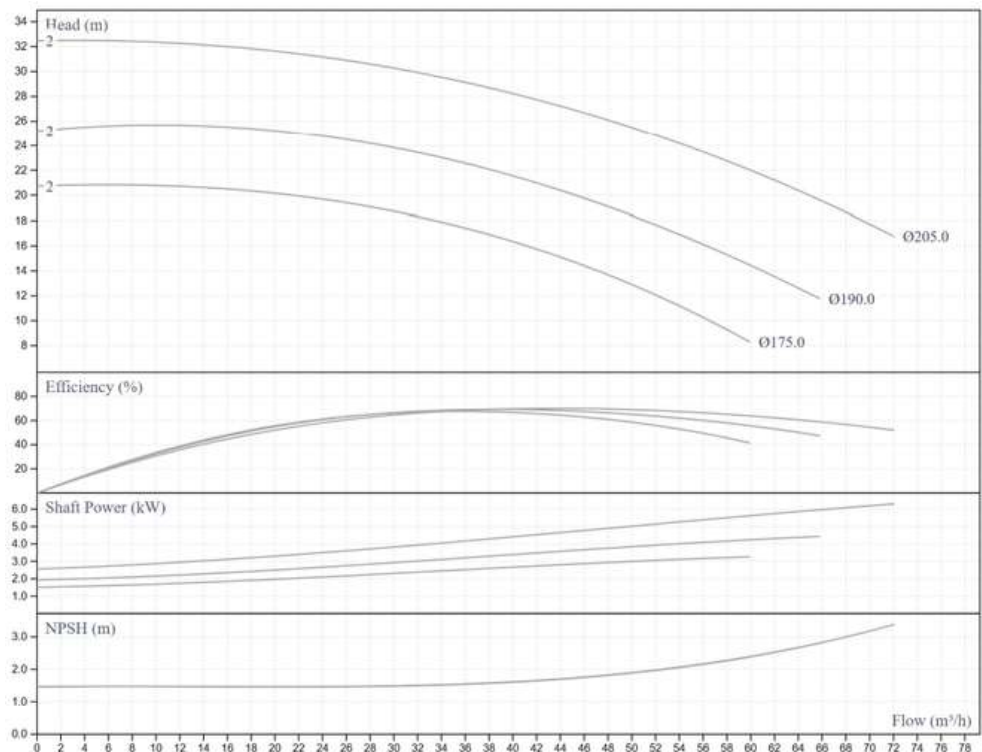
MGH4 65 / 30 kW



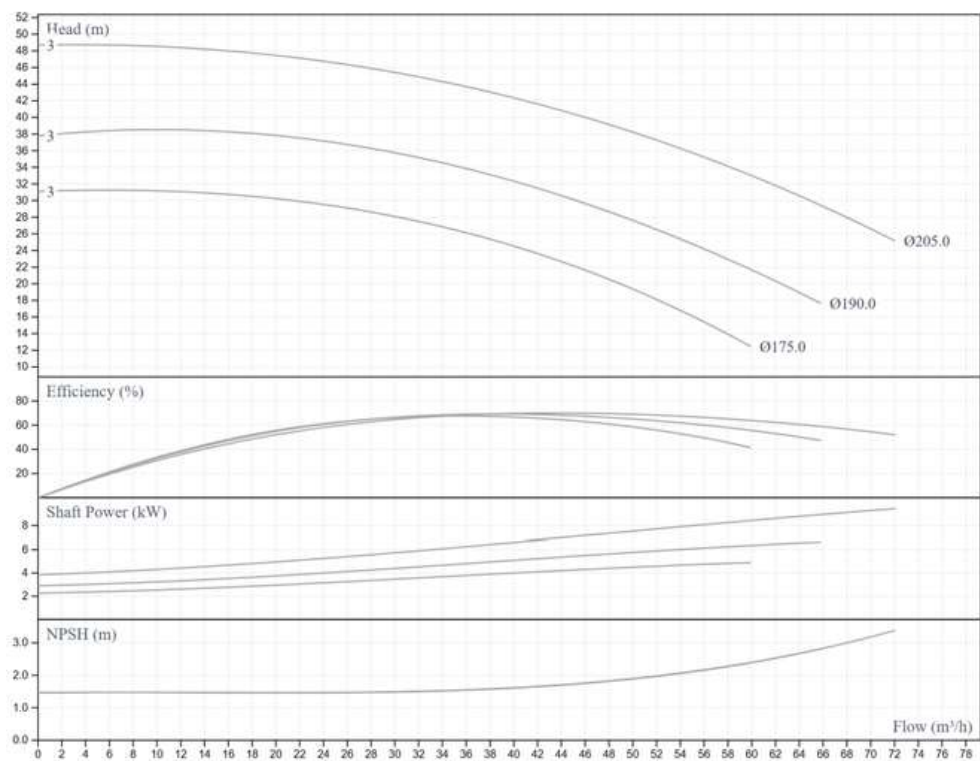
MGH4 65 / 37 kW



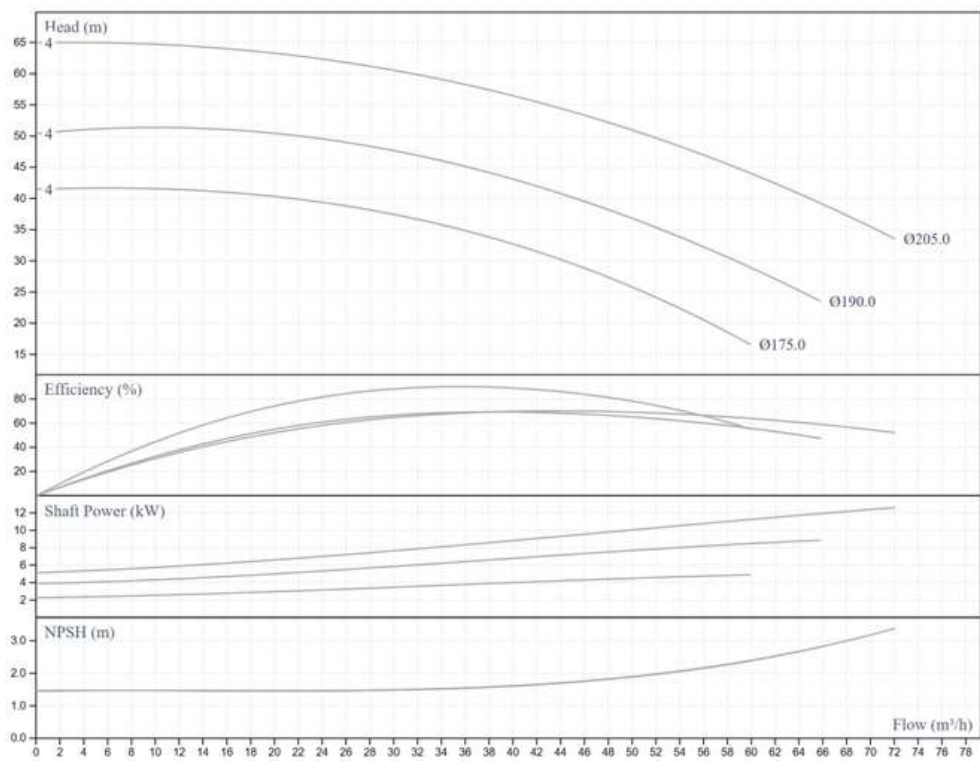
MGH4 65C / 7.5 kW



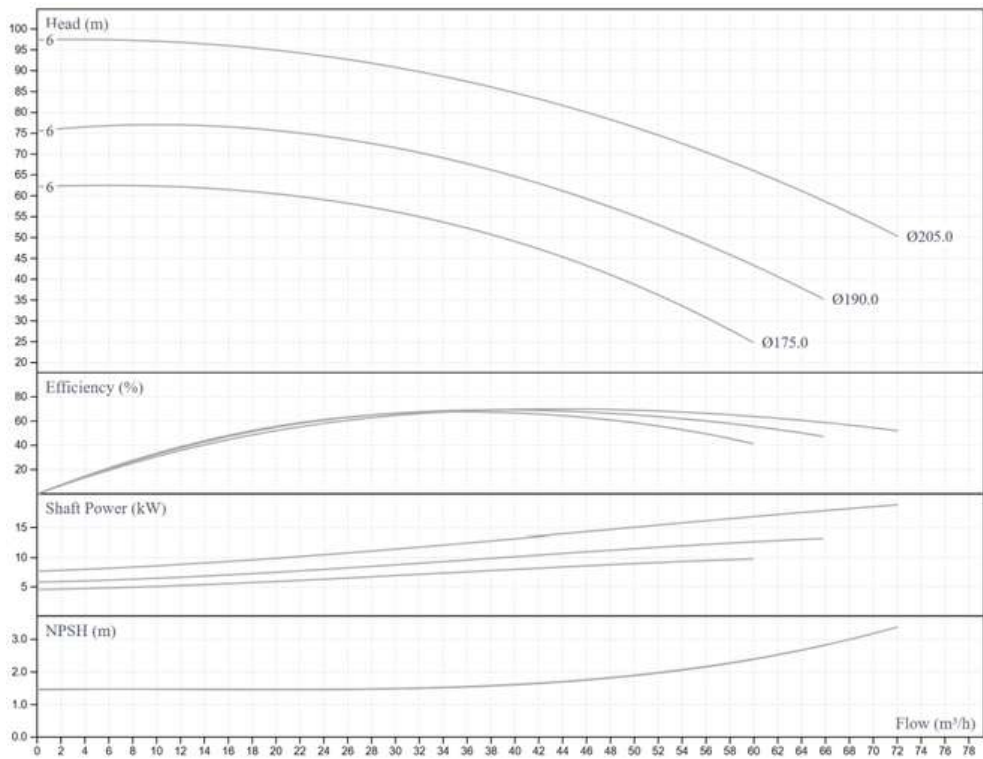
MGH4 65C / 11 kW



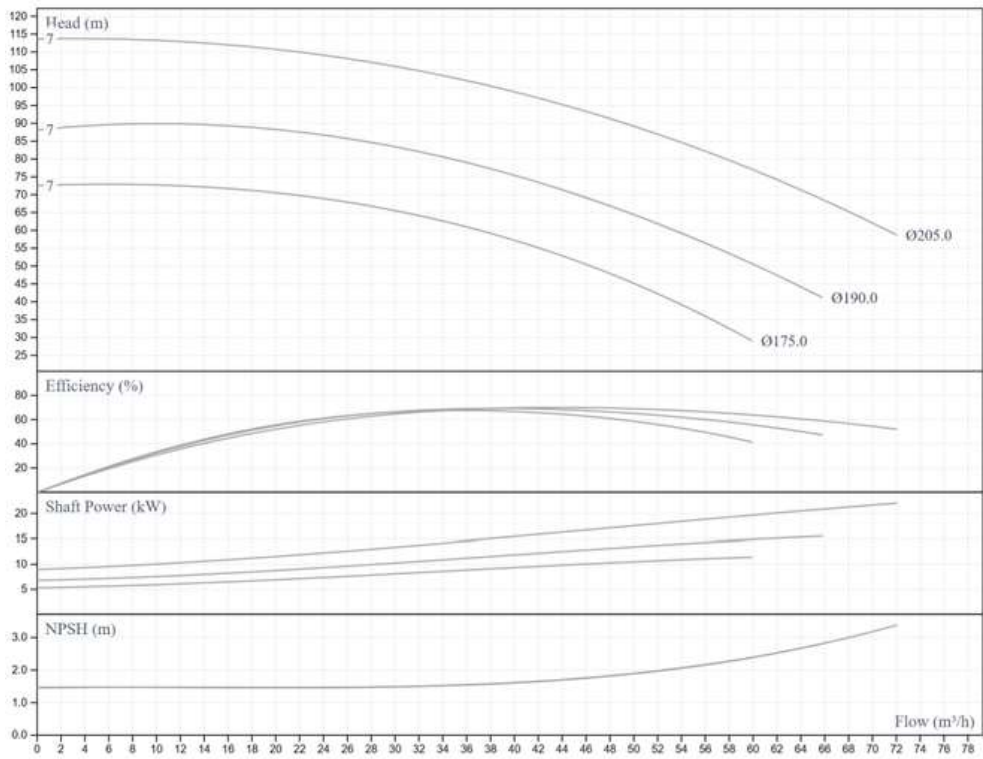
MGH4 65C / 15 kW

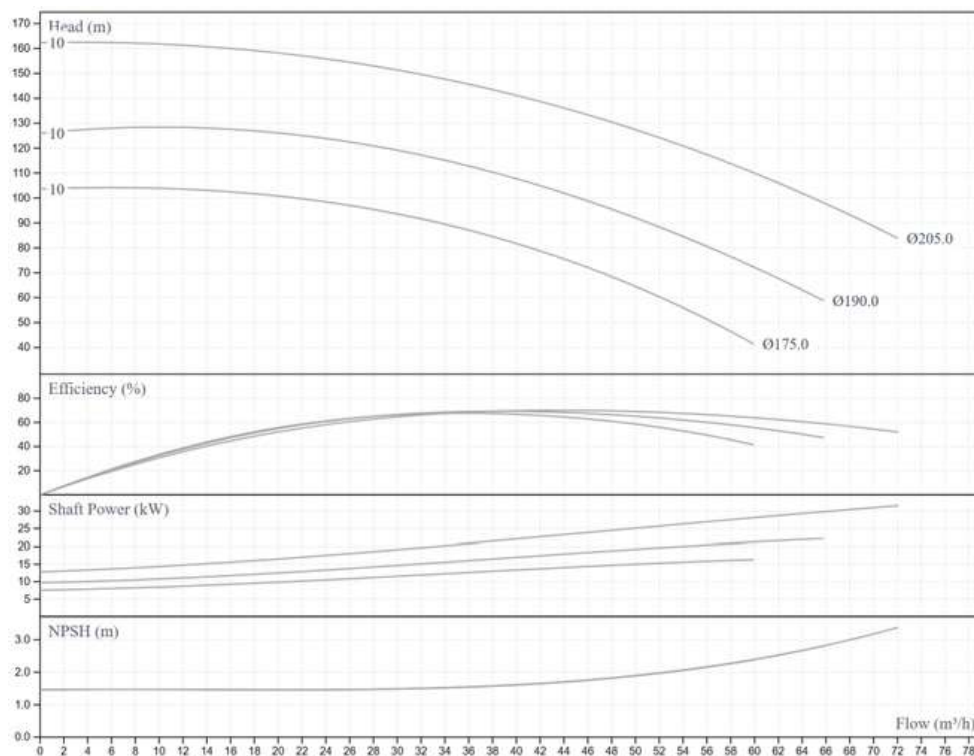
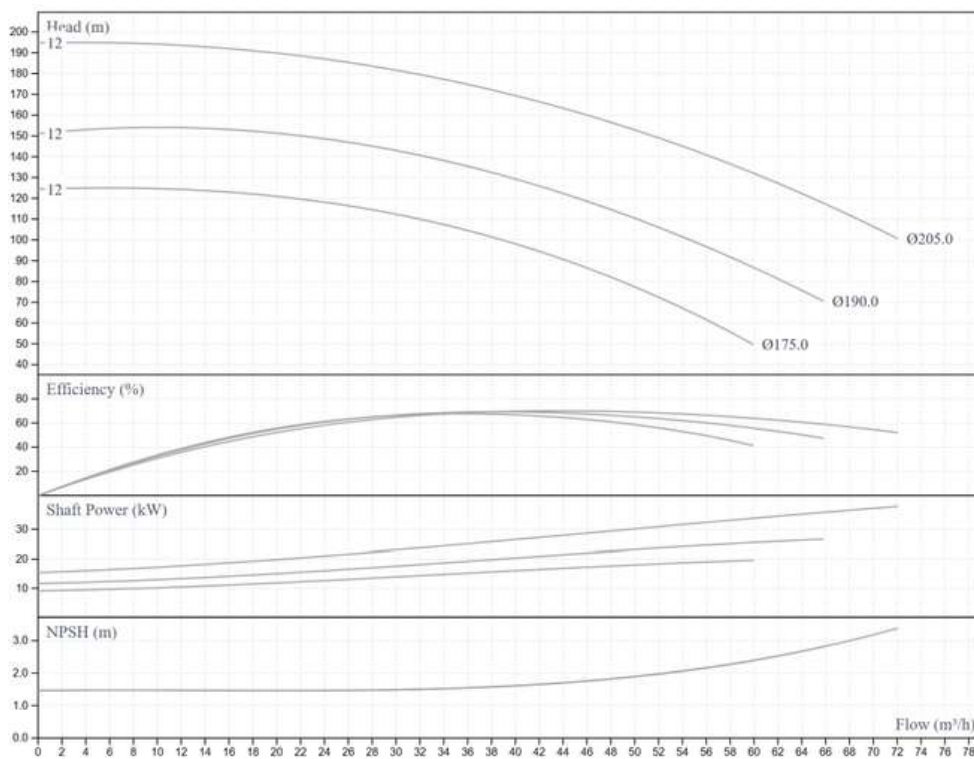


MGH4 65C / 22 kW

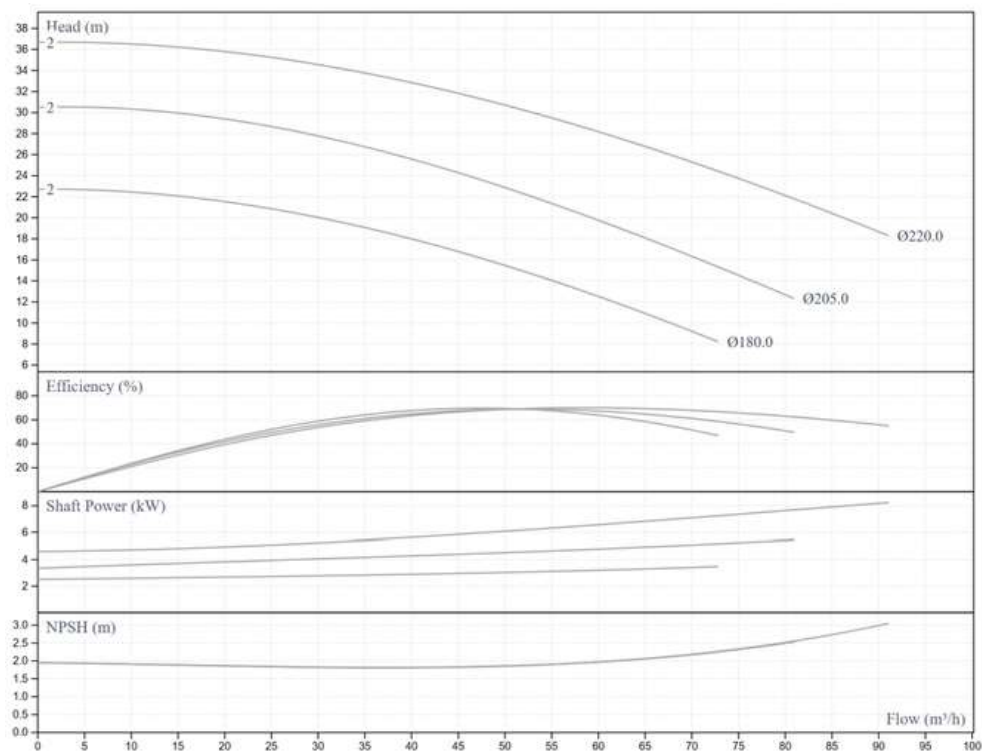


MGH4 65C / 30 kW

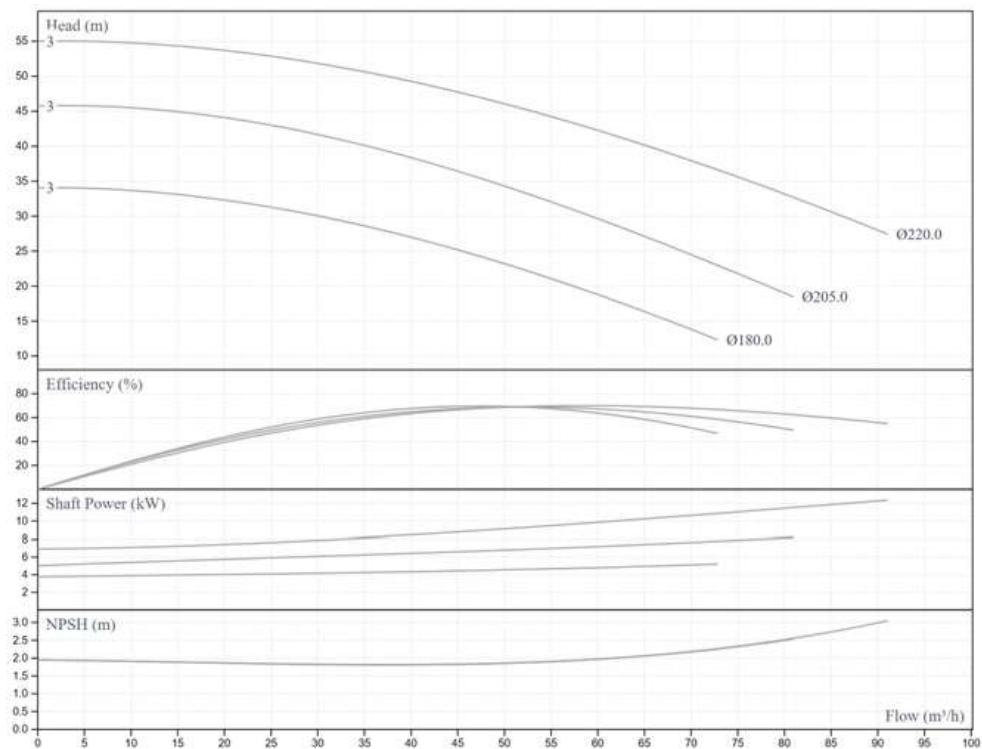


MGH4 65C / 37 kW**MGH4 65C / 45 kW**

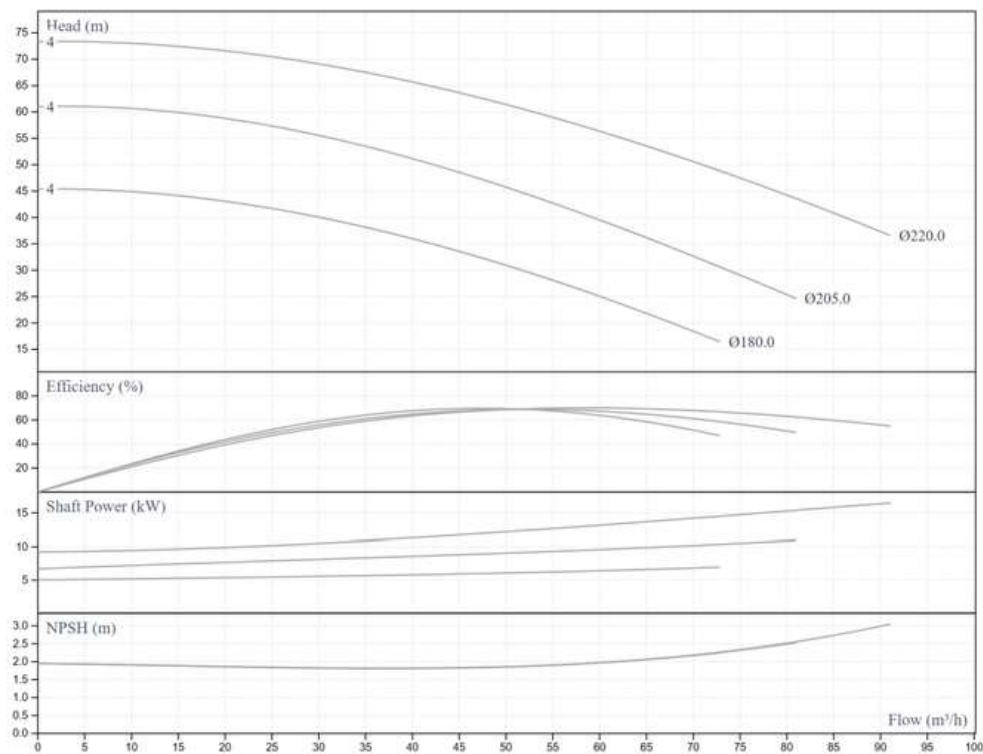
MGH4 80 / 15 kW



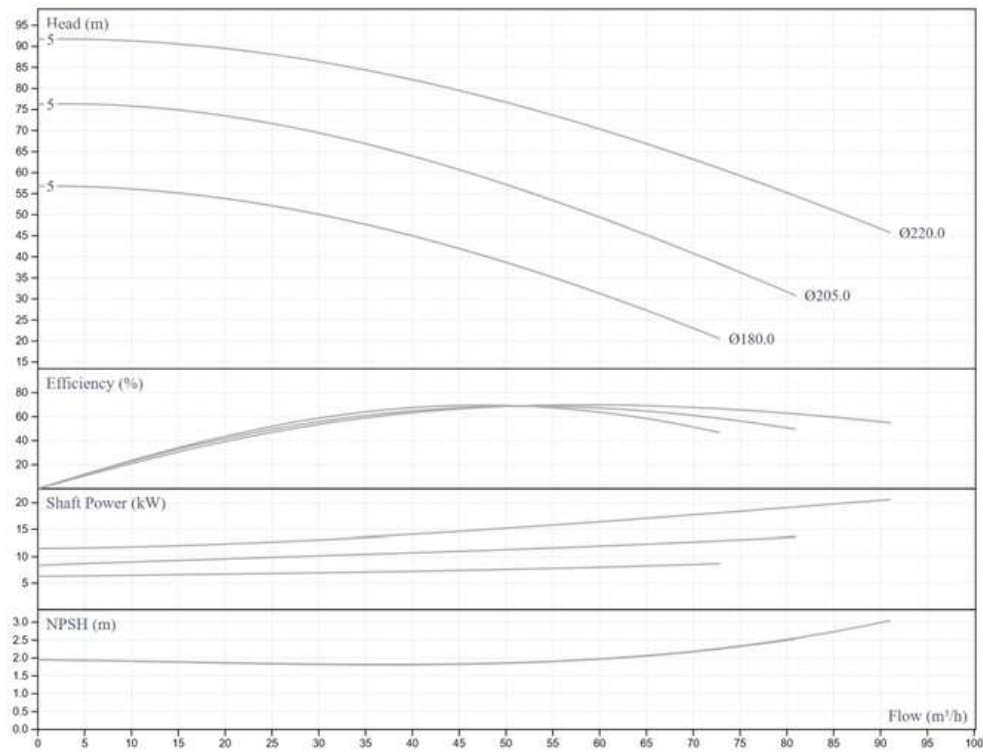
MGH4 80 / 18.5 kW



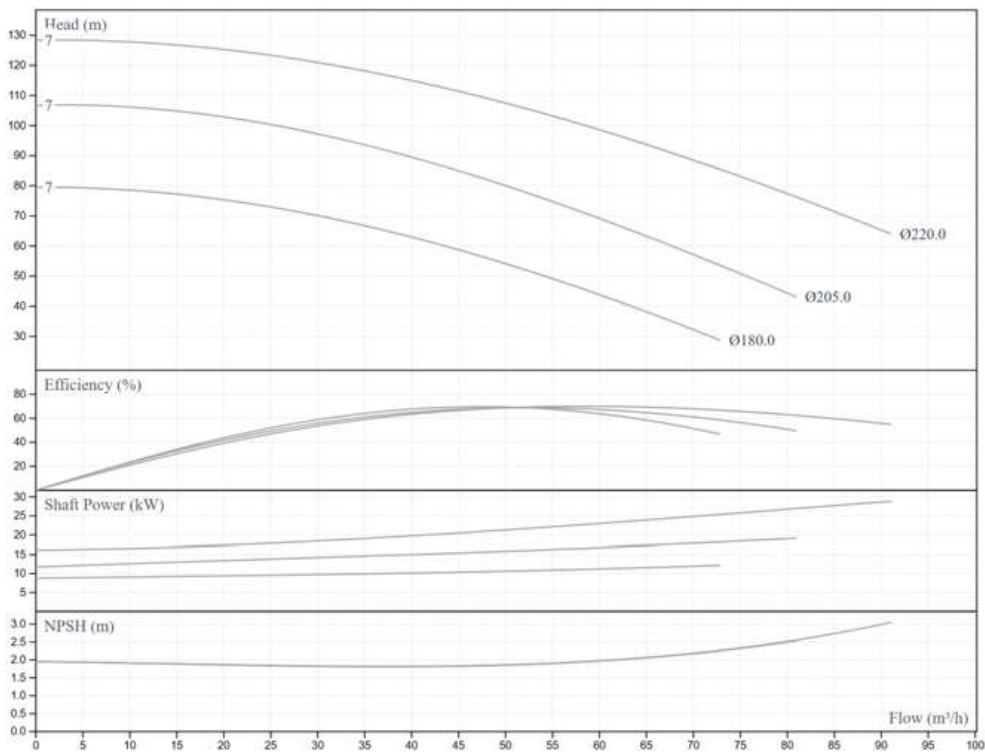
MGH4 80 / 30 kW



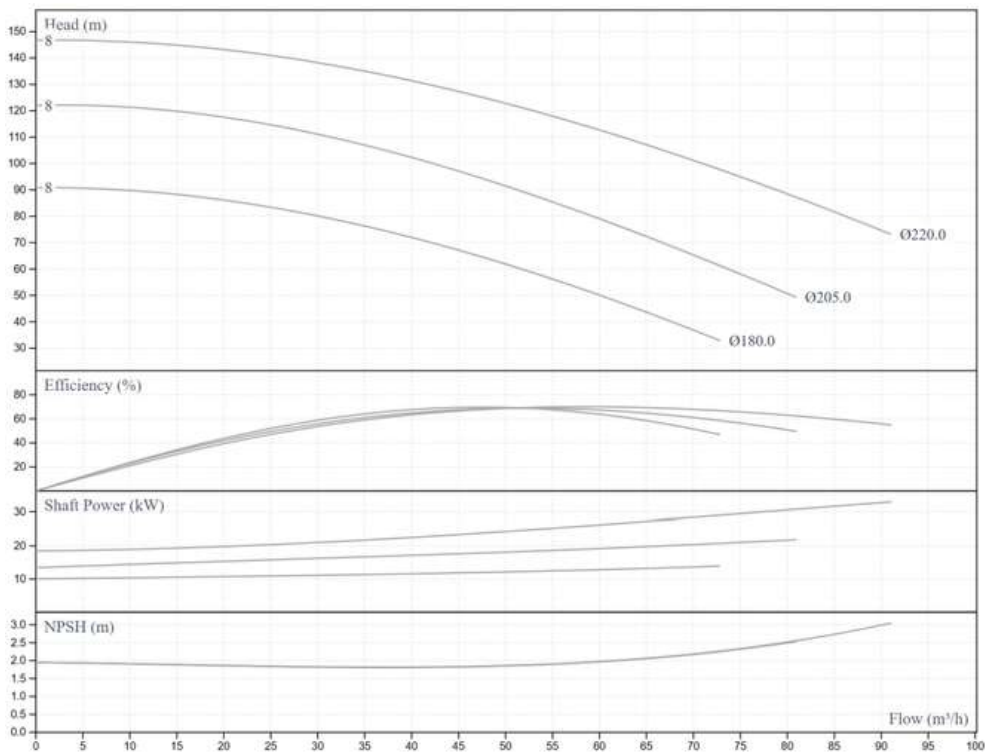
MGH4 80 / 37 kW

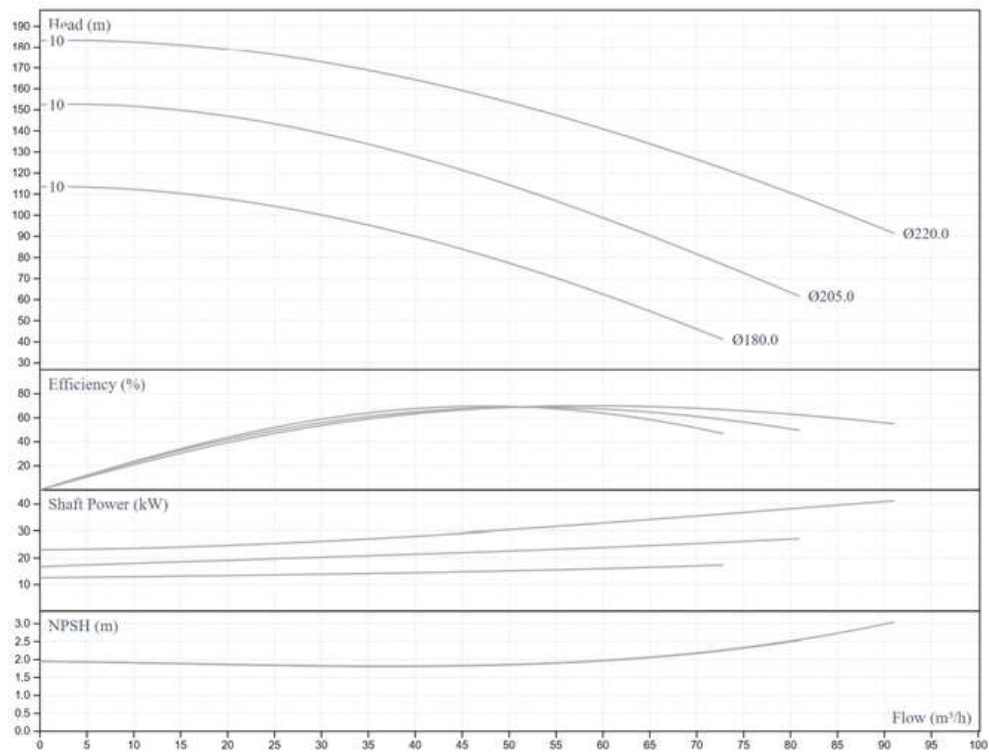
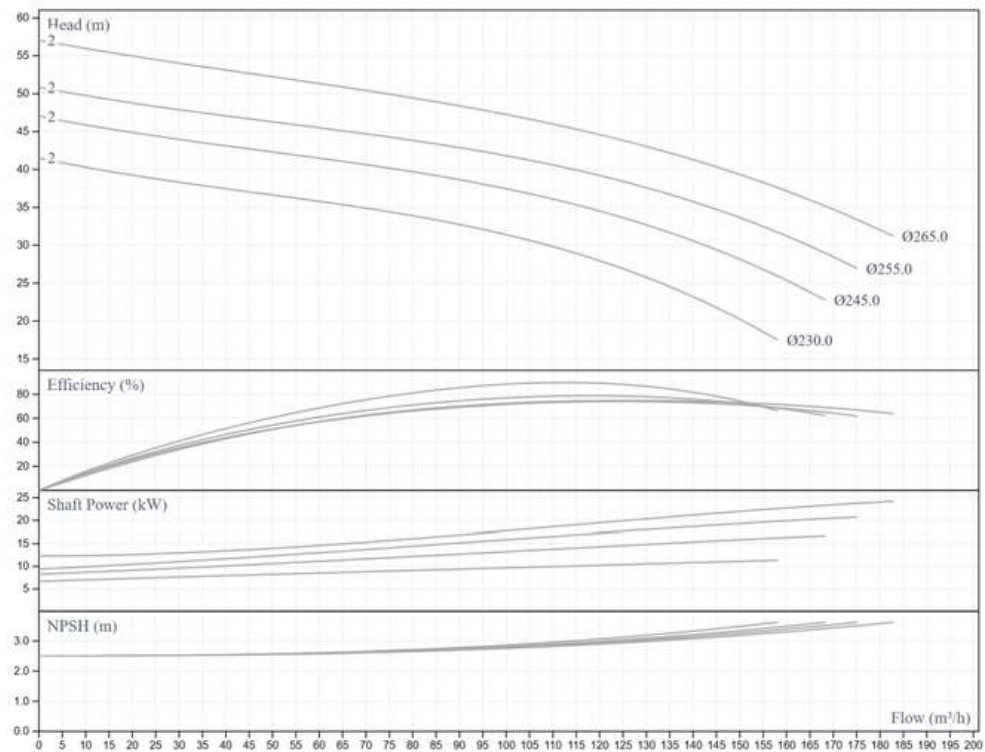


MGH4 80 / 45 kW

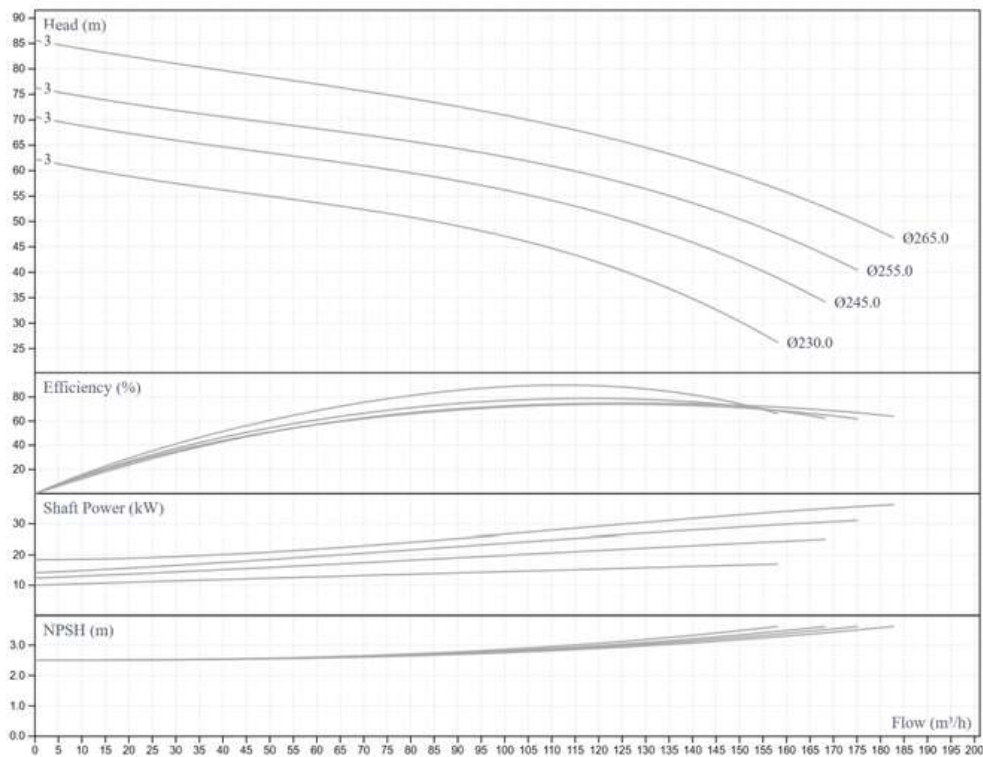


MGH4 80 / 55 kW

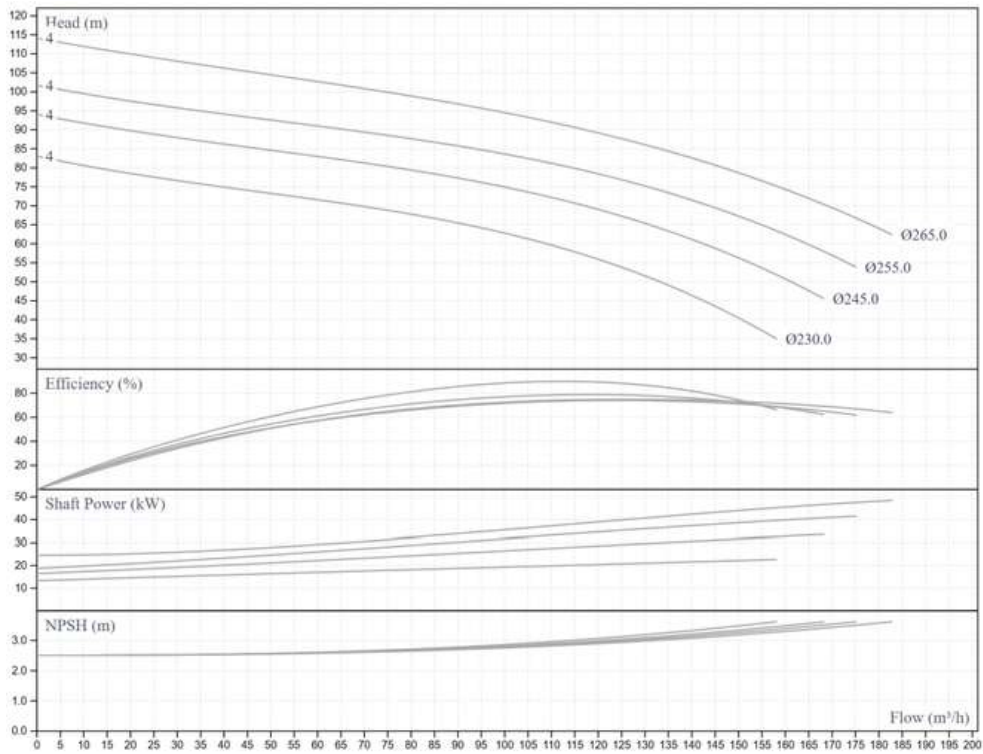


MGH4 80 / 75 kW**MGH4 100 / 37 kW**

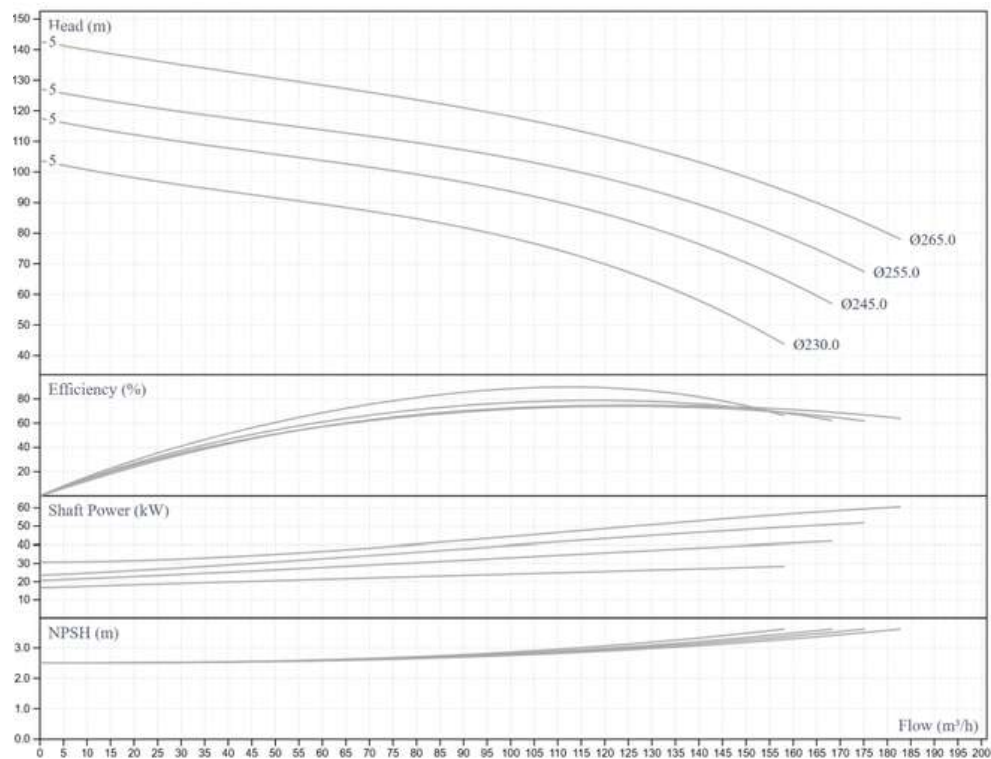
MGH4 100 / 55 kW



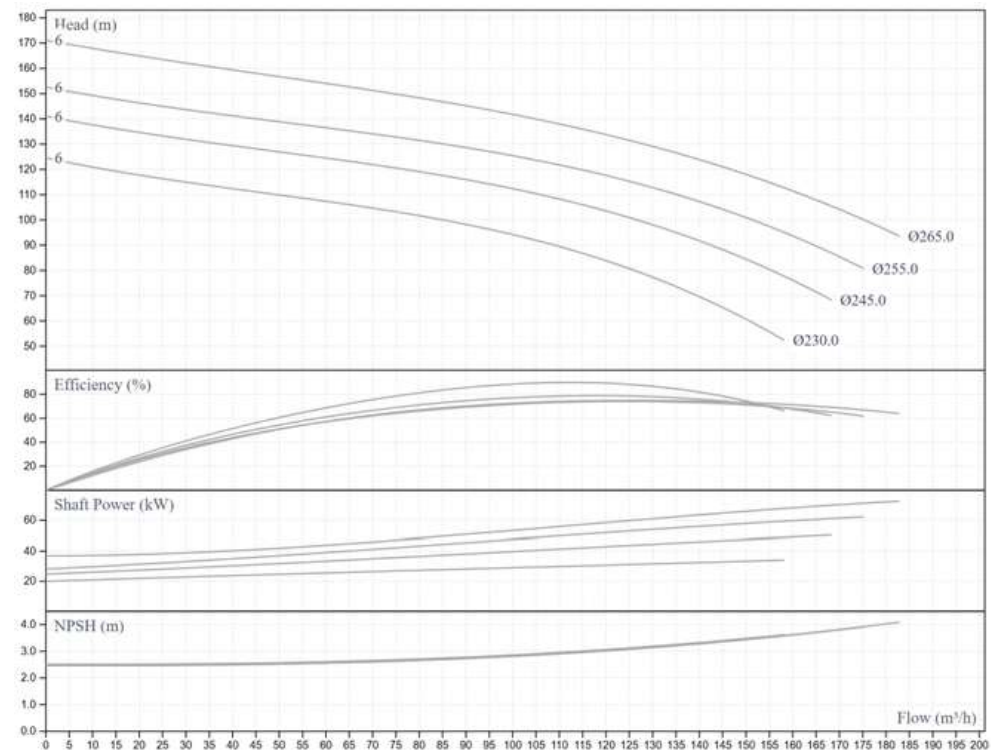
MGH4 100 / 75 kW

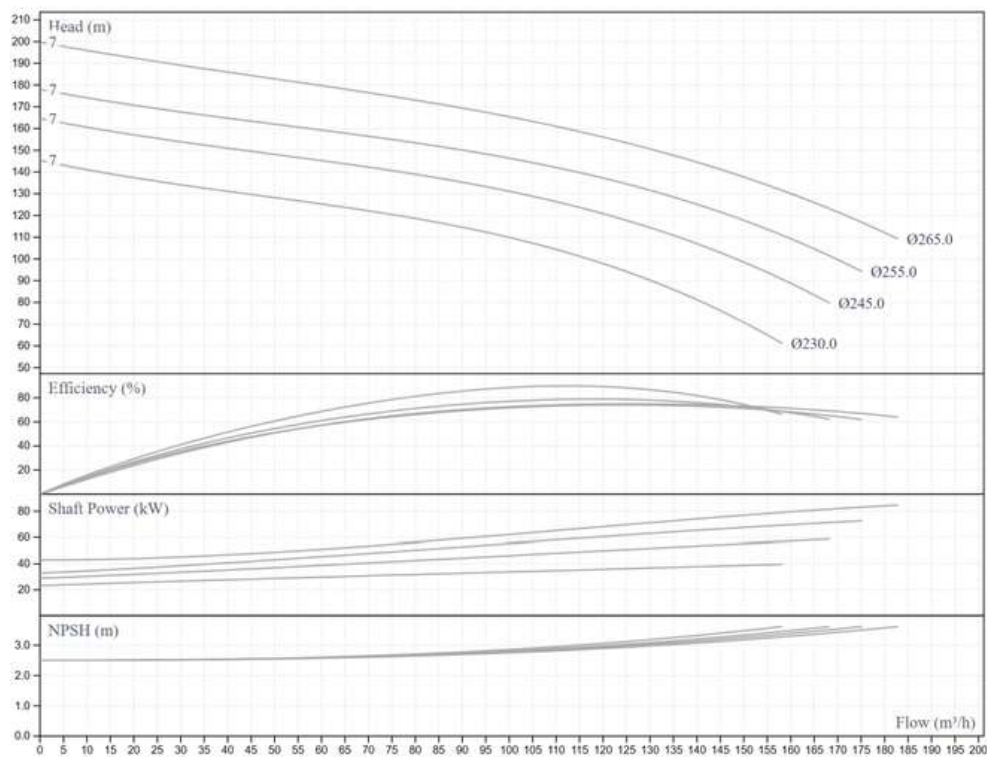
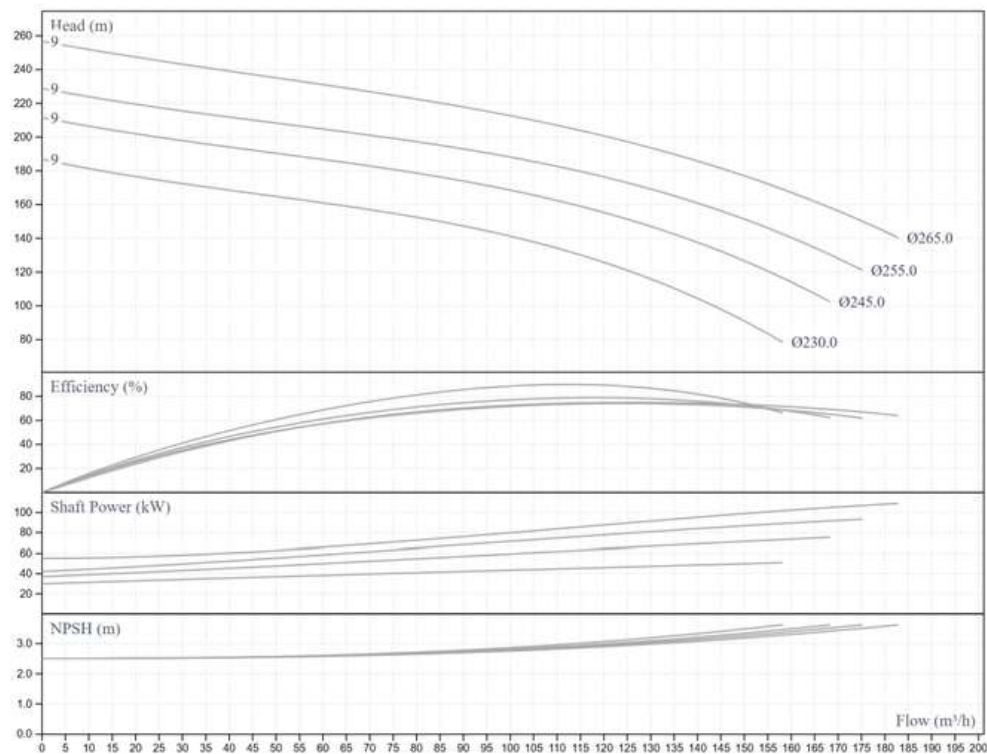


MGH4 100 / 90 kW

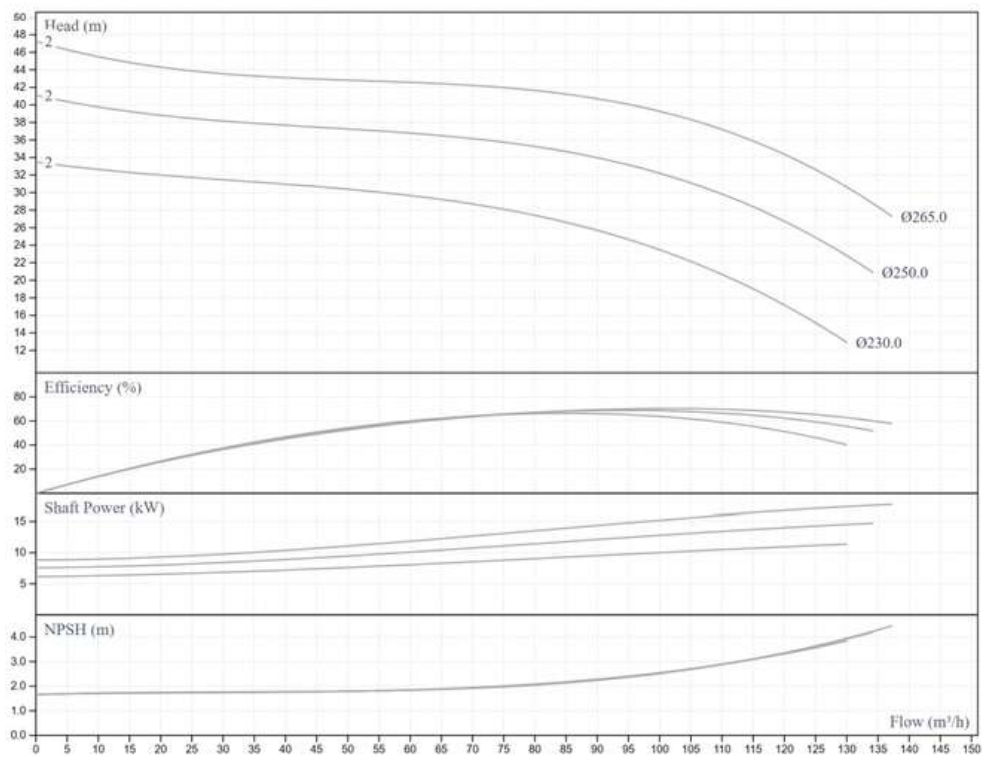


MGH4 100 / 110 kW

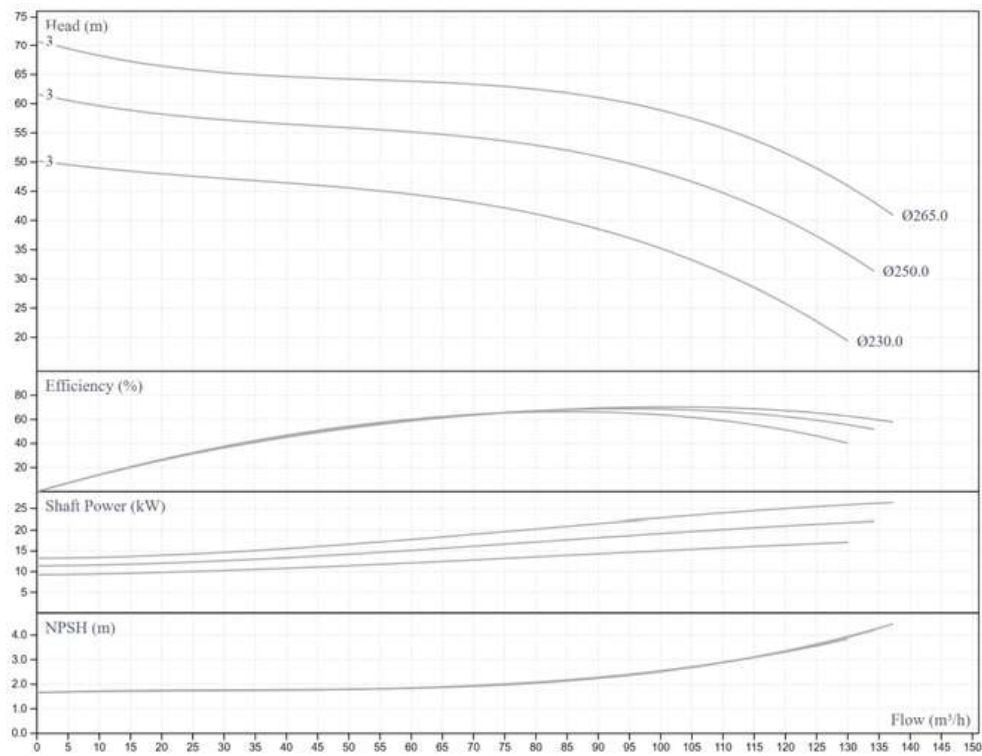


MGH4 100 / 132 kW**MGH4 100 / 160 kW**

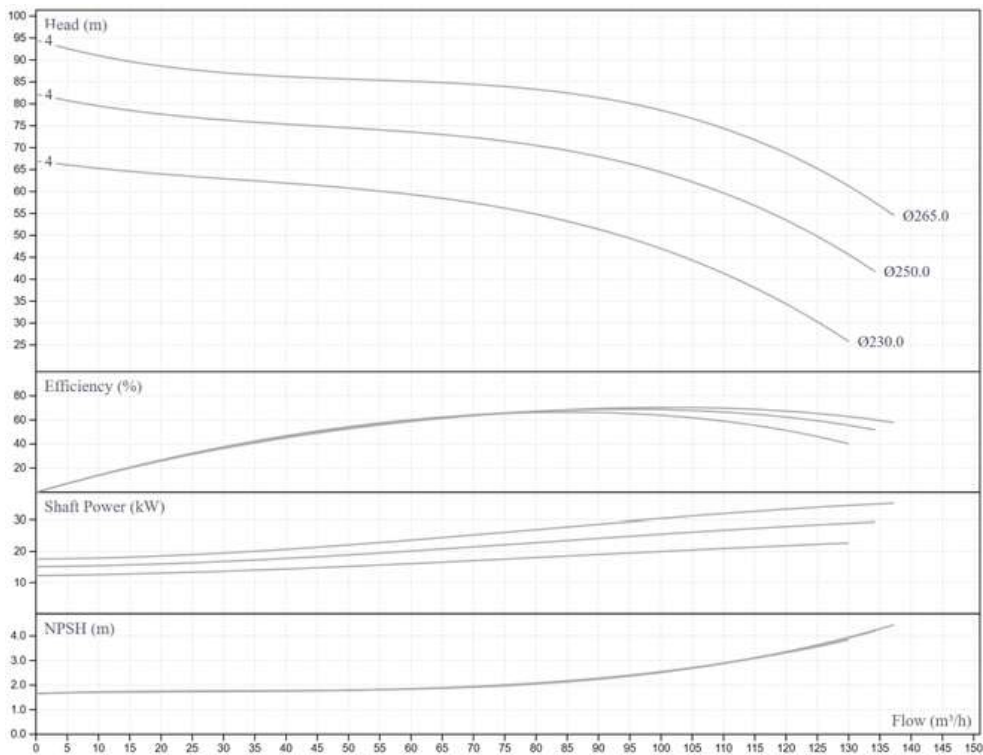
MGH4 100A / 22 kW



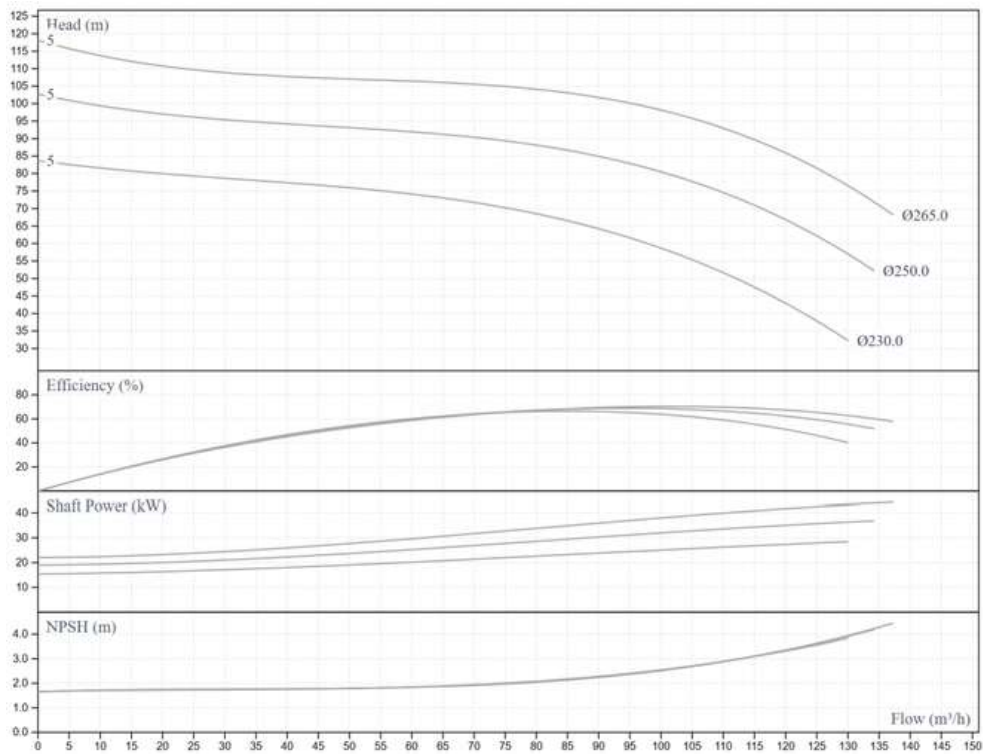
MGH4 100A / 30 kW



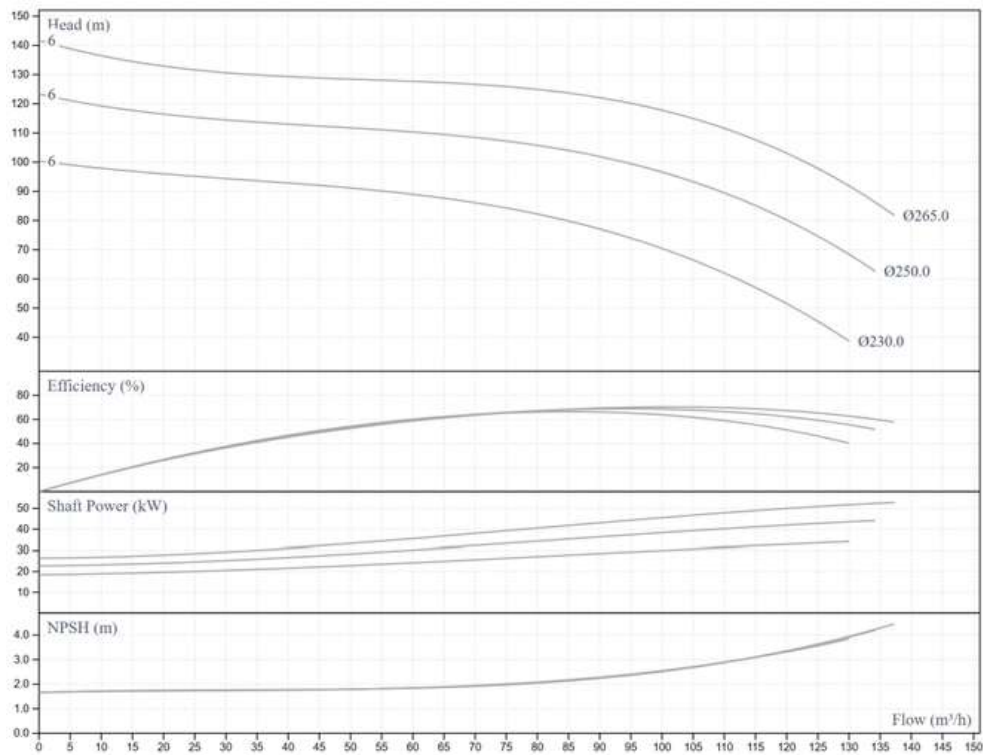
MGH4 100A / 45 kW



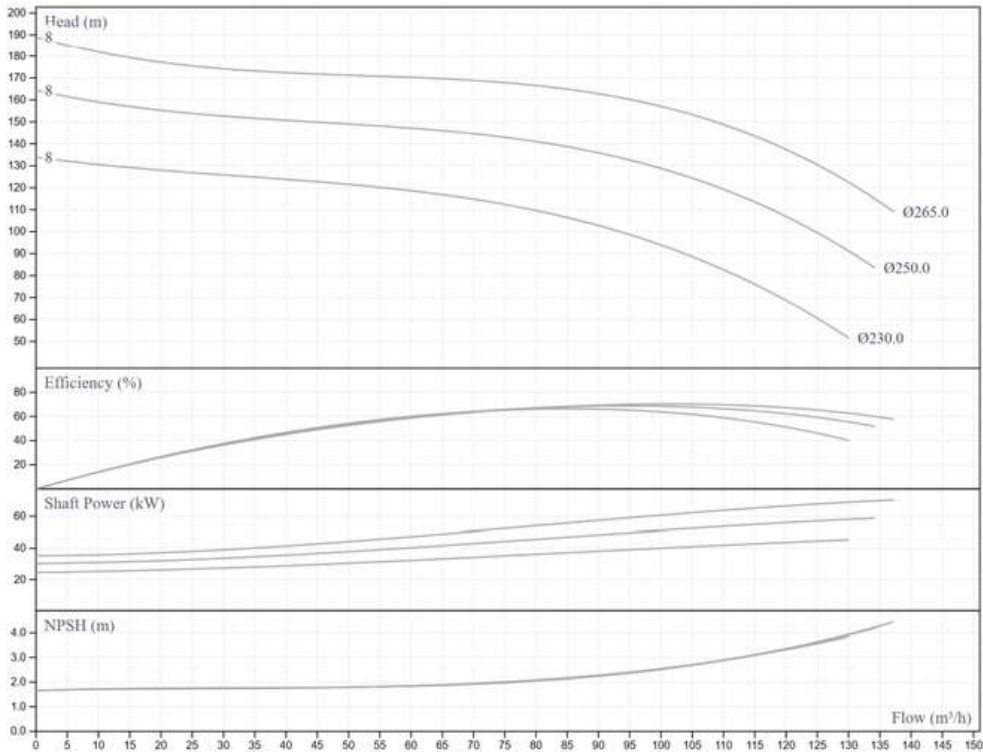
MGH4 100A / 55 kW

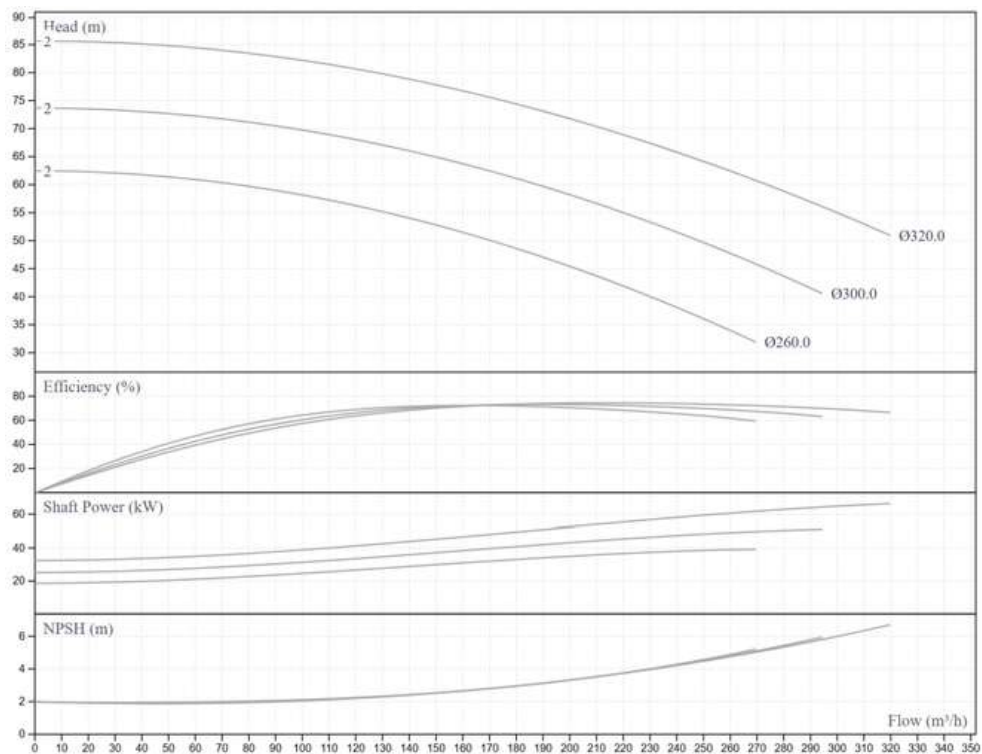
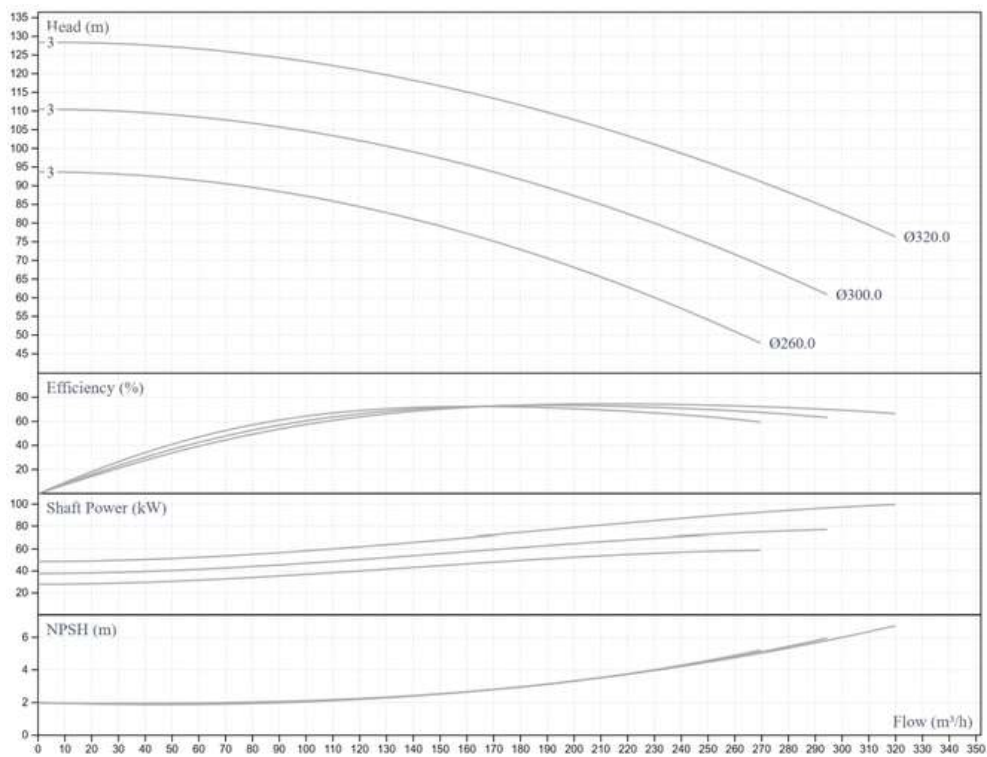


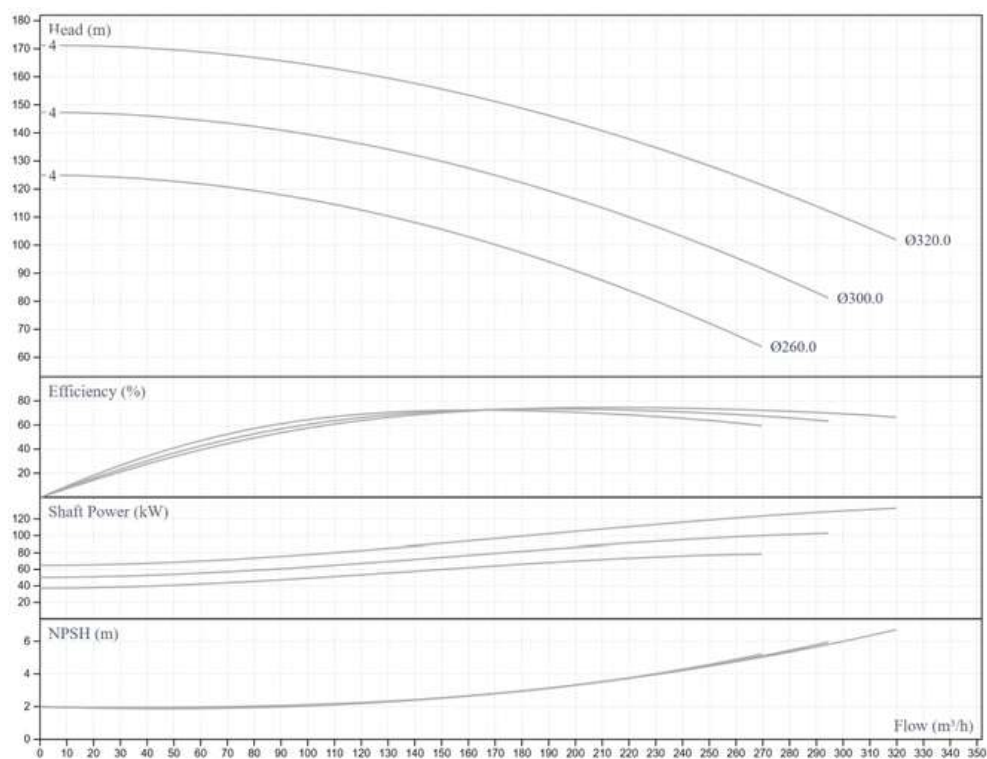
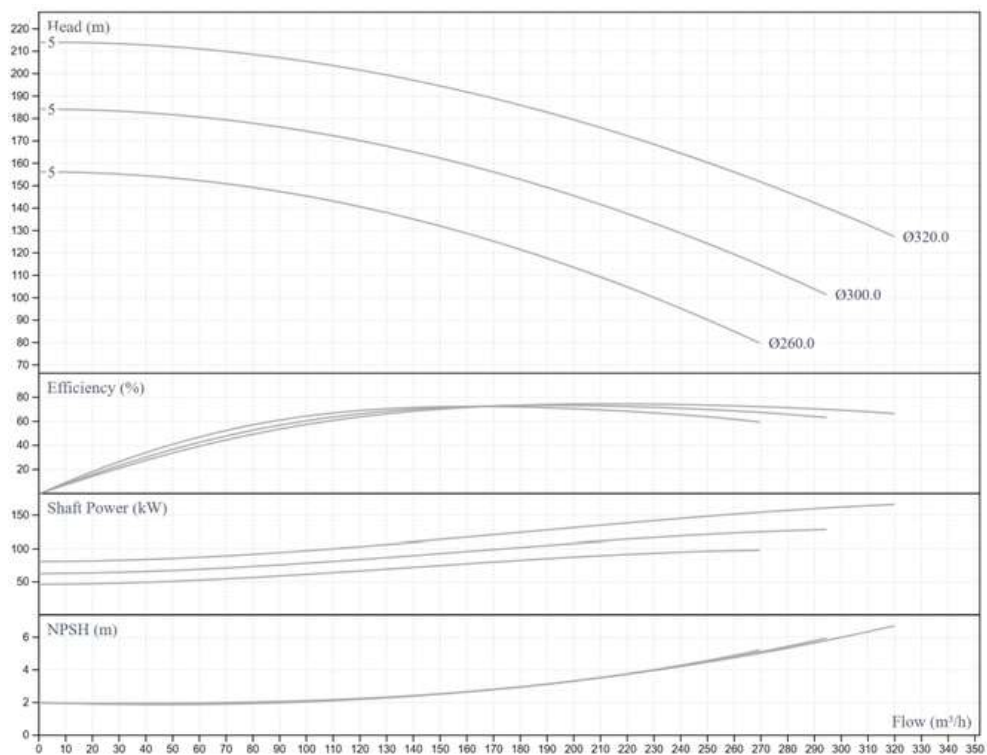
MGH4 100A / 75 kW

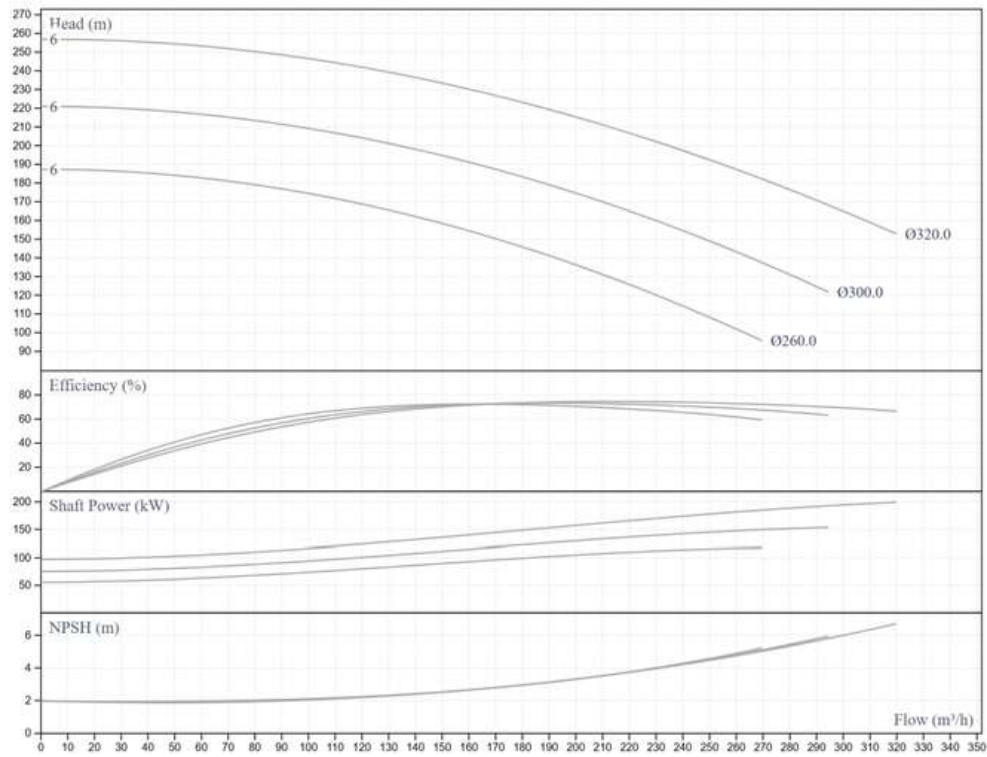
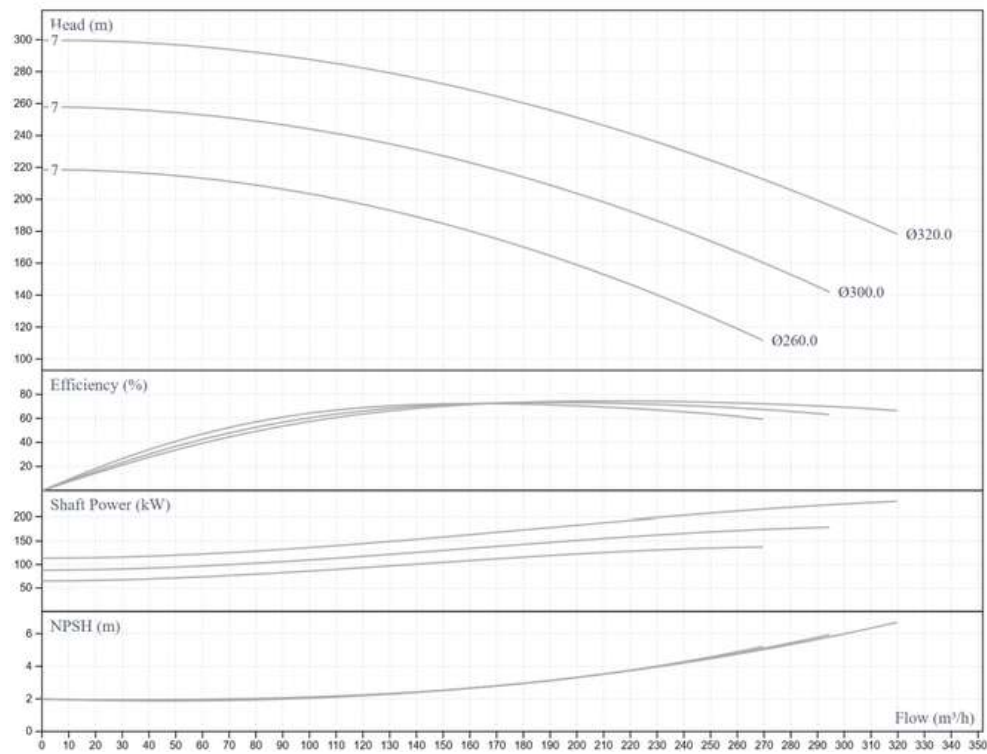


MGH4 100A / 90 kW

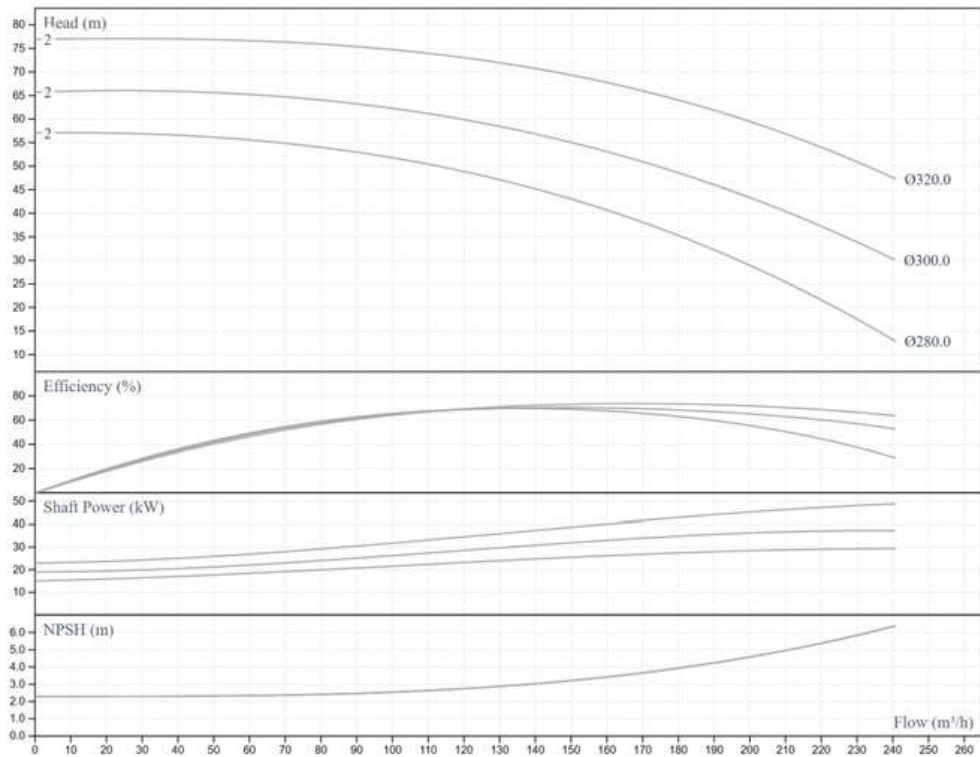


MGH4 125 / 90 kW**MGH4 125 / 160 kW**

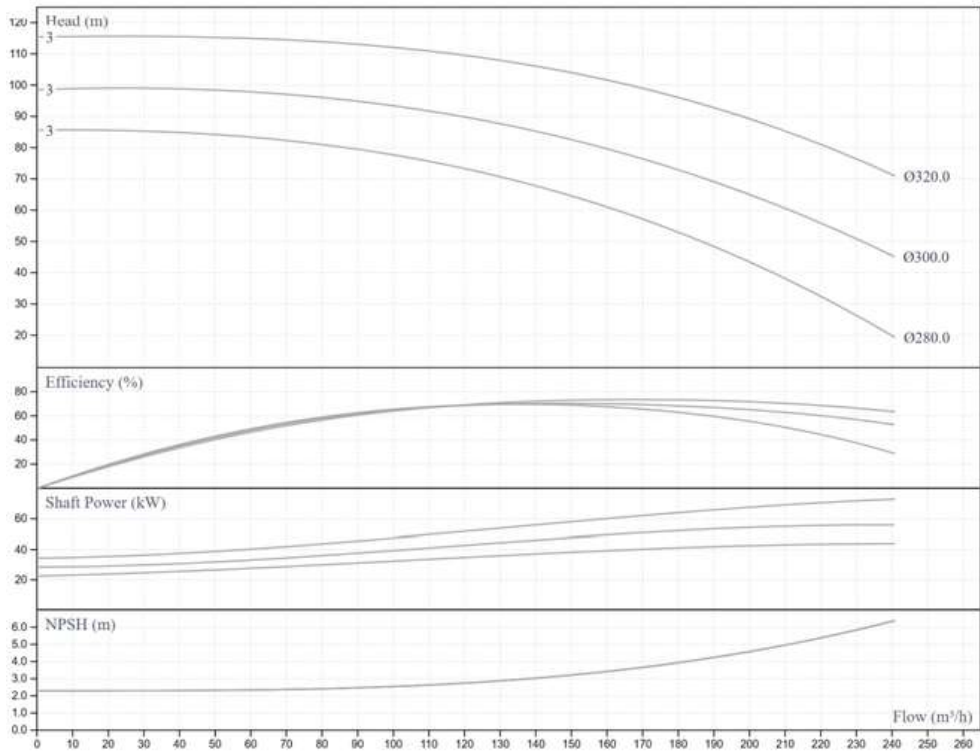
MGH4 125 / 185 kW**MGH4 125 / 200 kW**

MGH4 125 / 315 kW**MGH4 125 / 355 kW**

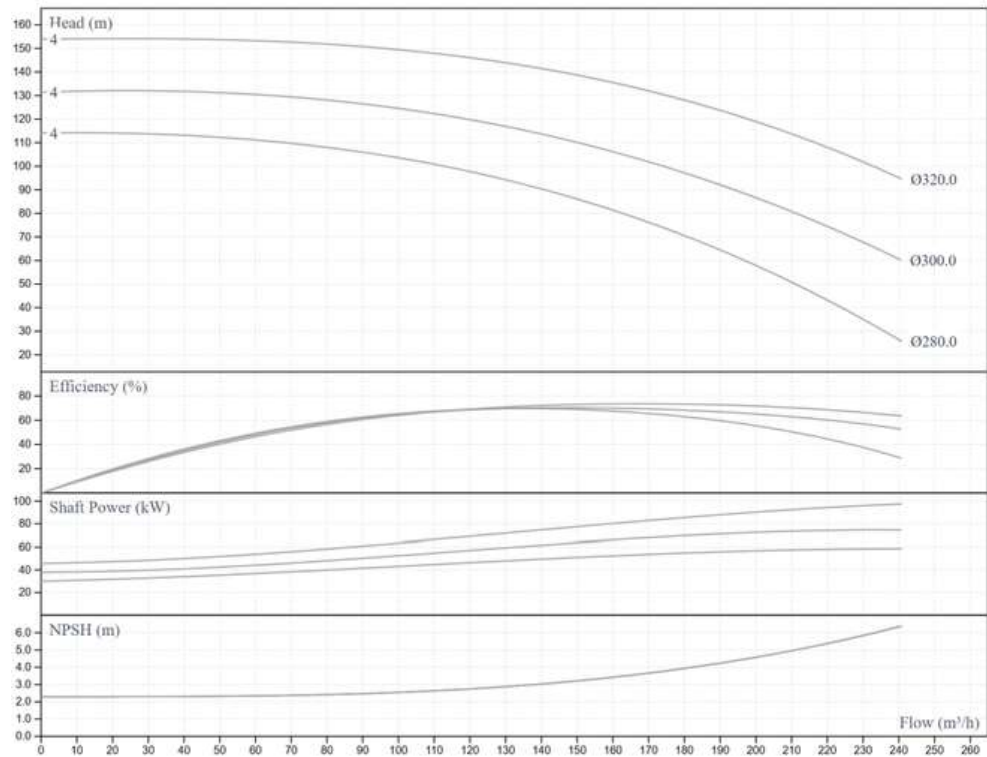
MGH4 125A / 55 kW



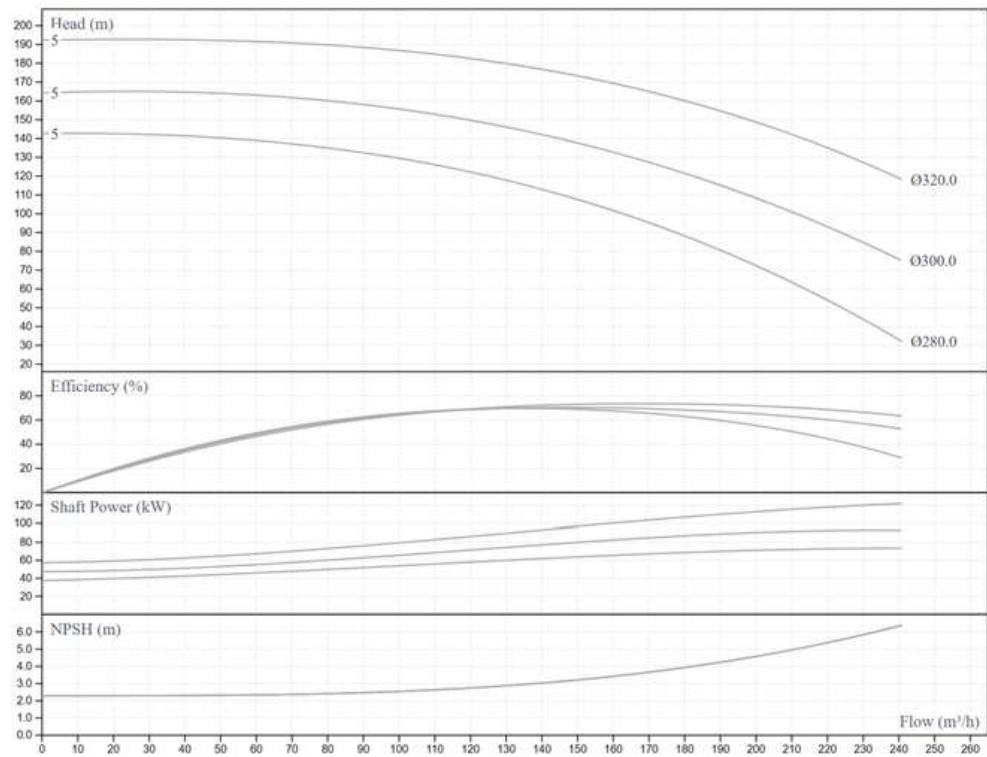
MGH4 125A / 90 kW

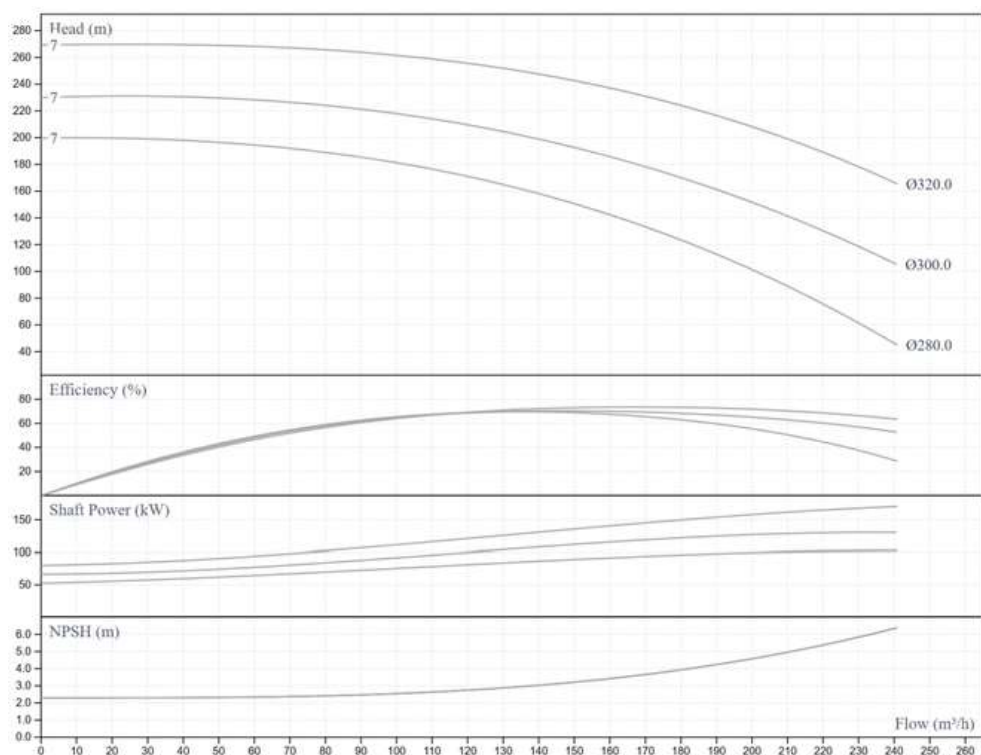
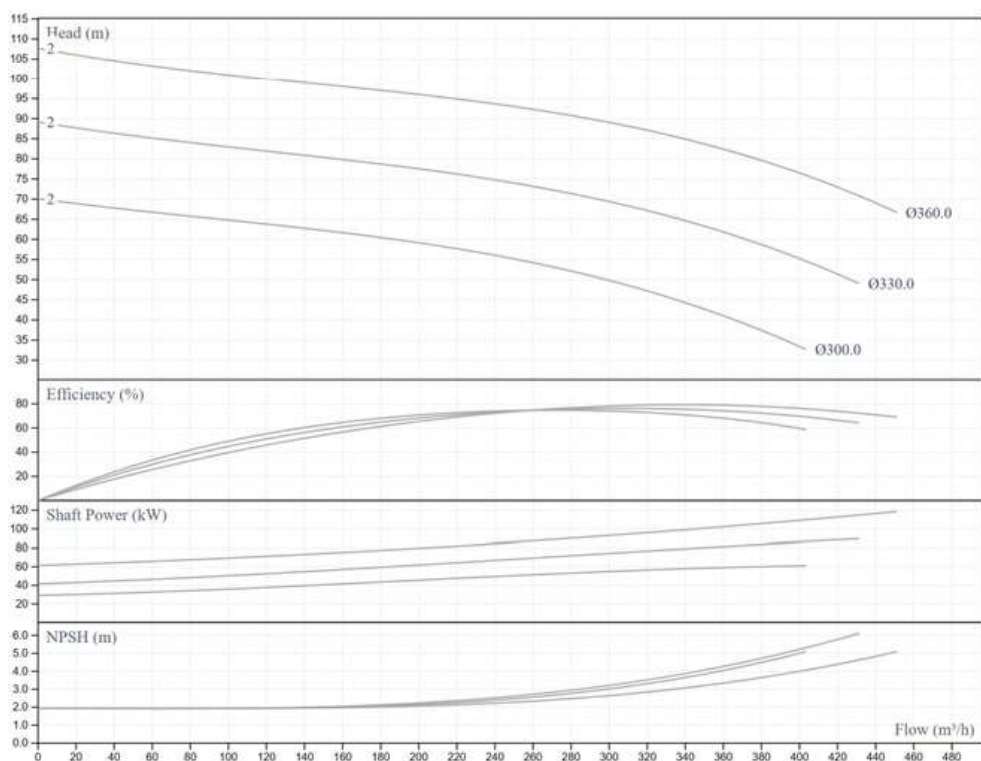


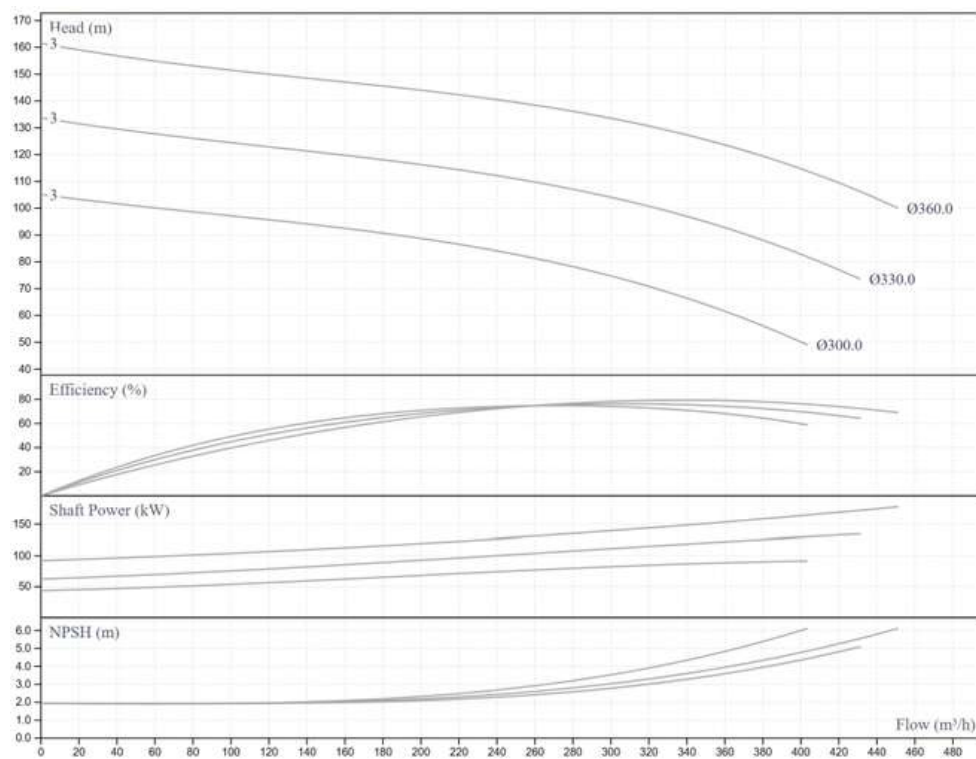
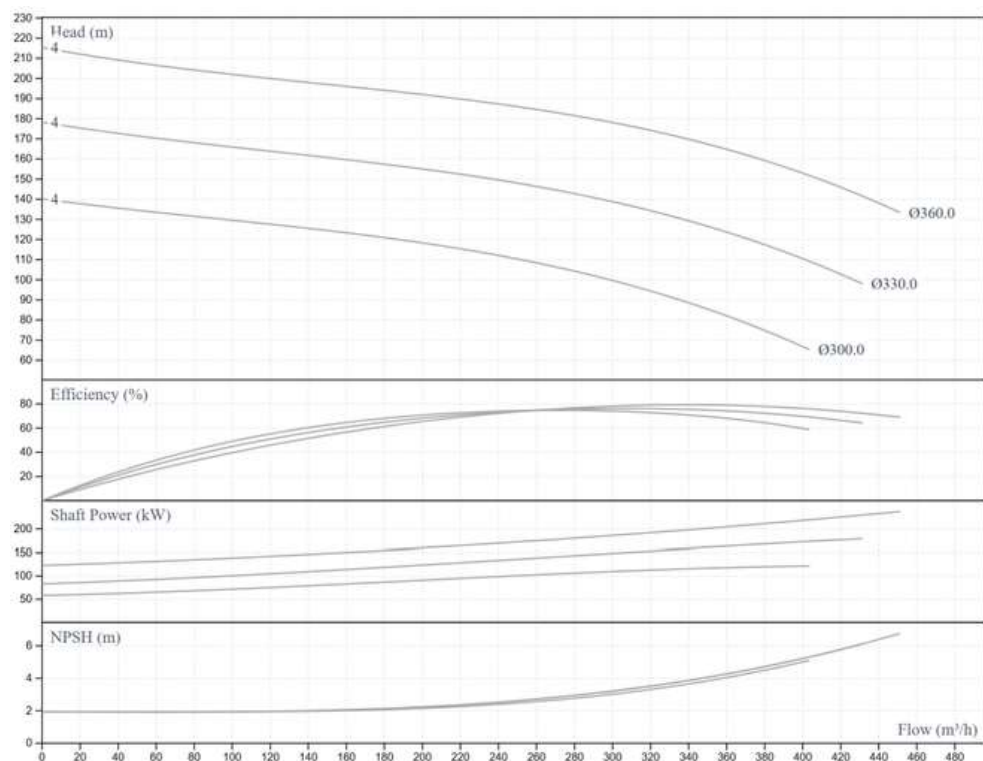
MGH4 125A / 110 kW

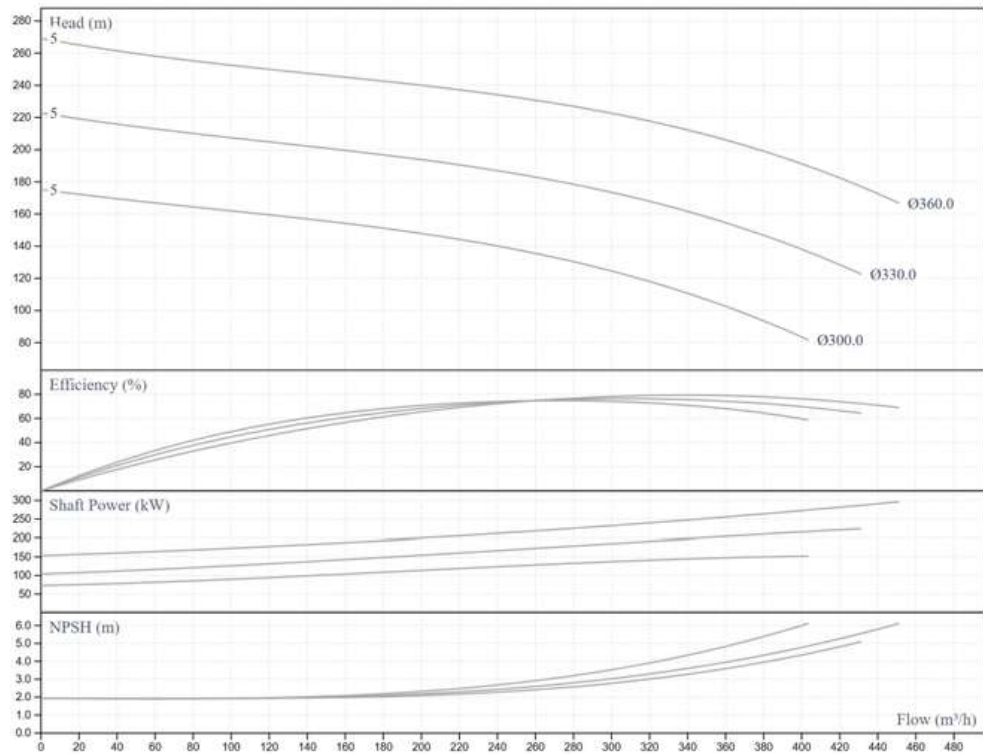
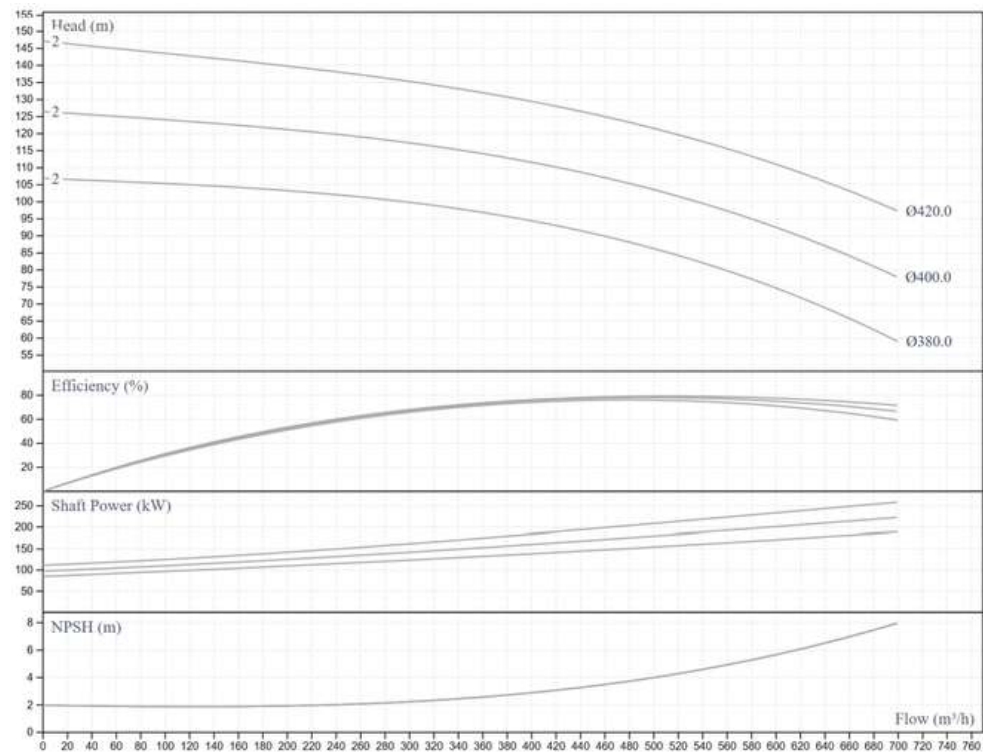


MGH4 125A / 160 kW

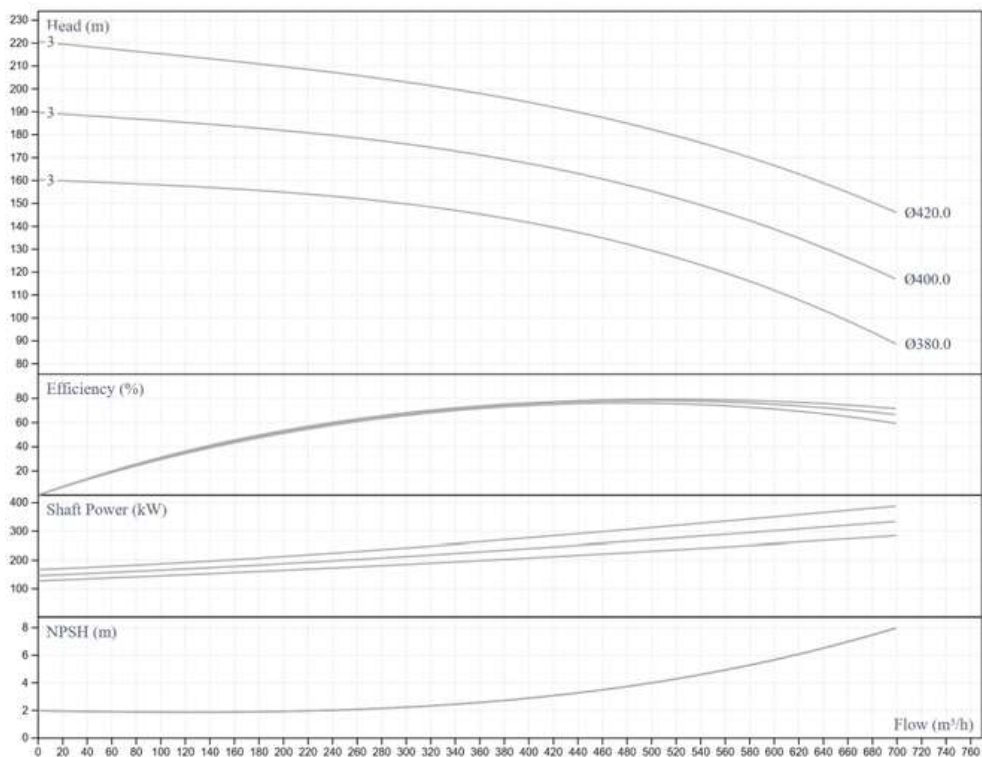


MGH4 125A / 185 kW**MGH4 150 / 160 kW**

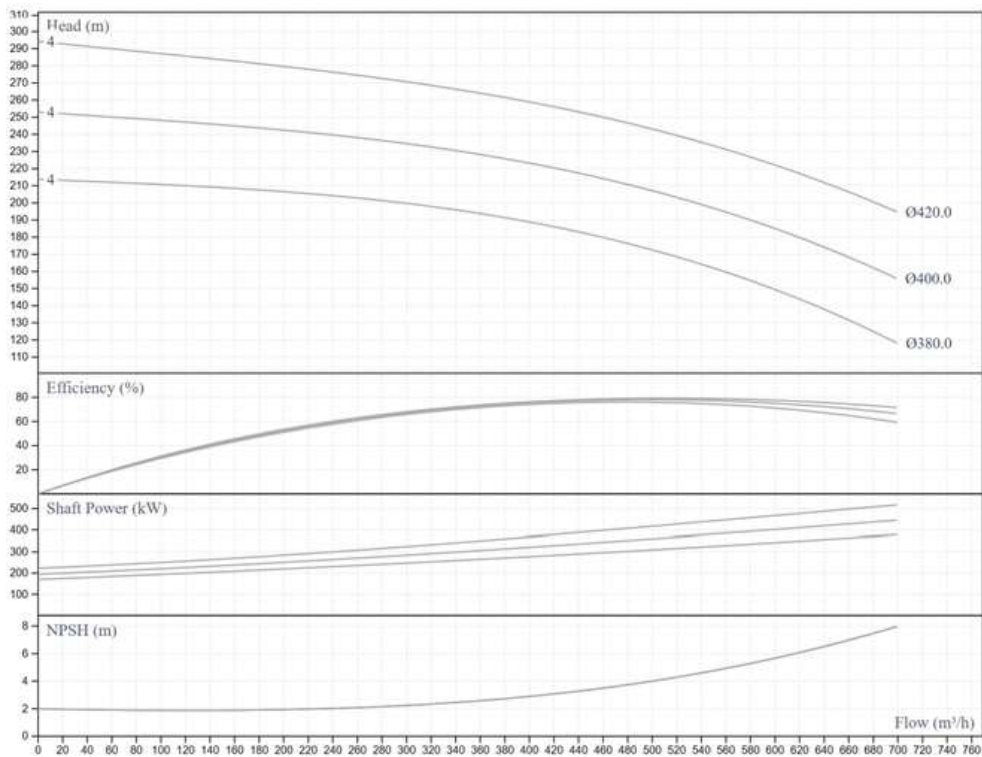
MGH4 150 / 250 kW**MGH4 150 / 355 kW**

MGH4 150 / 400 kW**MGH4 200 / 400 kW**

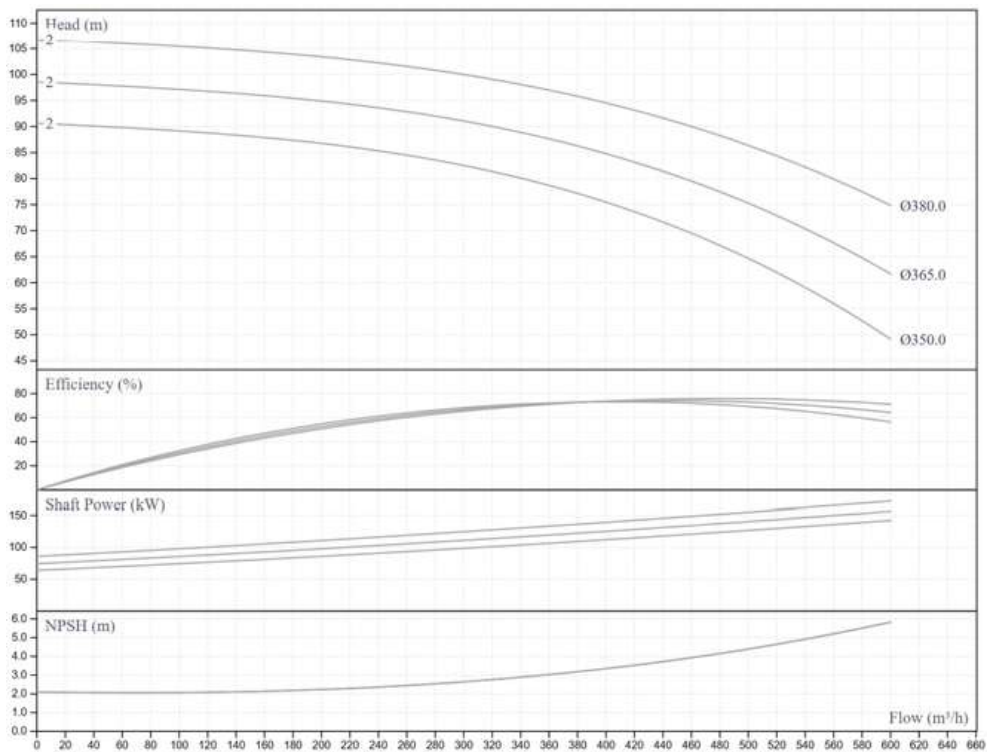
MGH4 200 / 500 kW



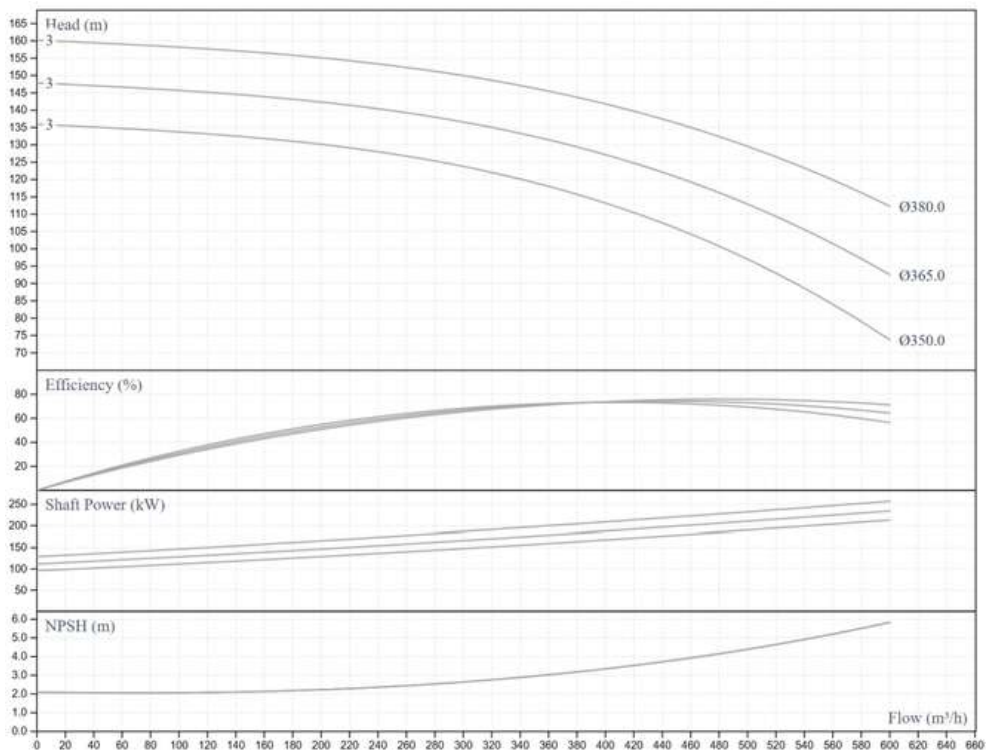
MGH4 200 / 560 kW



MGH4 200A / 200 kW



MGH4 200A / 315 kW





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