



INTERNATIONAL PUMPING SYSTEM - IPS PUMP

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Submersible Sewage Pump



MS



MS



MS



MSC



MSJ



MSW



MSL

CATALOG

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Product overview and features

Masflo series sewage pump is designed by new patents' technology, and its special multi-function structure and beautiful line and color is unprecedented. What's more, that can bring incalculable benefit and enjoy for most of users and society. We can specially design the pump for sewage treatment, which can widely used in builders, services industry, public enterprises, waste water by industrial factory, sewage water, etc. And the sewage pump can match all kinds of signal sensors so that it can check the status of the pump.

Unique, multi-functional, most advanced high & new technology

Beautiful stainless steel housing, unique water cooled motor

The cooling down water of the motor of the pump is the sewage which is filtered by filtering device by patent technology. In fact, it is from itself. That can ensure the channels of cooling water of the motor can't be blocked. And it can make the motor continuously operate under overload, low temperature and high efficiency.

The pump can be diving and drying installed. And the motor of the pump are exposed out of the water, but it can continuously operate when the impeller under water, like that, the sewage can be all drained. Under any condition, it can operate well and be easy to be maintained.



Very short rotor shaft

The water pump is very compact, and the motor's rotor shaft is very short. That makes the operation of the water pump to be steady and it has very small vibration. What's more, that can prolong the longevity of the bearing and mechanical seal.

Unique cables' entrance

The cable connector filled with polyurethane supplies sealed cables' entrance and completely removes the danger which the water enter into the motor by the cables.

Special impeller, pump body and high efficiency

Special hydraulic parts such as impeller and pump body have excellent hydraulic performance and it has many structures of impurities filtering, so the efficiency of pump is very high and power's damage is very small.

MSJ particular technology of anti-pollution, precipitation and mixing

Not to make pollutants accumulate at the end of the pool and to avoid cleaning up the sewage pool, now the pump line adopts two mixing functions as below:

A small additional impeller is installed under the impeller of the pump, but its pressure can't make pollutants mix. What's more, it uses up the power of pump's motor and it is easy to make debris obstruct impeller.

The center of sub-axis is punched and installed T style mixing end, and the pressuring



water in the channel of the pump pass the center of the sub-axis, the mixing end sprays around the pool. But like that the sewage impurities block the hole and no mixing effect, what's more, when the mixing end is rotating, the fabric thing like rope can obstruct it, even damaged motors.

Our technology of anti-pollution, precipitation and mixing is that beside pump and the sewage at the end of pool produce high speed swirl to make impurities not to deposit and the impurities are charged by pump. So don't need rotating parts to realize mixing function. And the channels of the mixing high pressure water have many special impurities filtering device, so that is safe and reliable and it is not blocked. The mixing effect is very good. At the same time, it solves the serious problem which the rotor is obstructed by fiber things like rope and even to damage the motor.

MSC new cutting system

The water pump may match spiral style impurities cutting system, and the cutting knife and basin may thick and fine knives' process to cut. The cutting efficiency is very good. What's more, it is very convenient when changing parts. The closing time is more less.

MSW/MSL dry operation

Special motor cooling structure, drying installed operation, convenient maintenance and repair.

operation condition

The highest temperature of the liquid transmitted by the pump is 20°C. It can reach 40°C. If it operates in the short time,

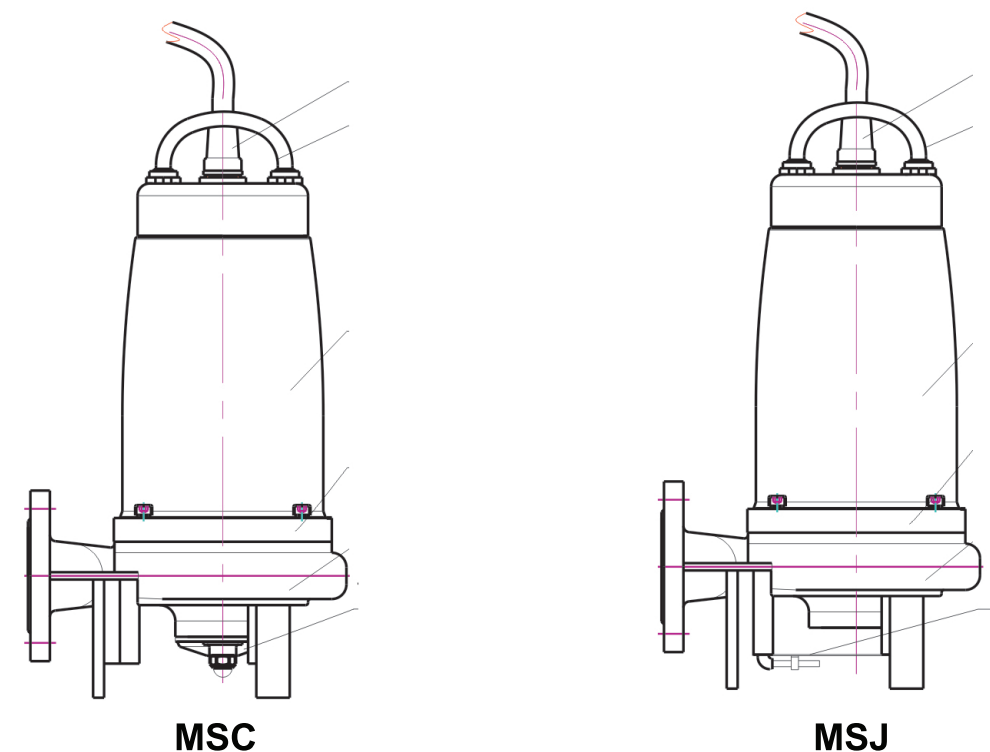
The highest ambient temperature is 40°C.

Diving depth: Based on impeller center, diving depth must not exceed 5M.

The frequency of the pump restart is less than 20 times each hour.

MSW series 3rd-generation sewage pumps are suitable for continuous submergence, where the level is simply submerged, or for dry installation without the need for motor cooling.

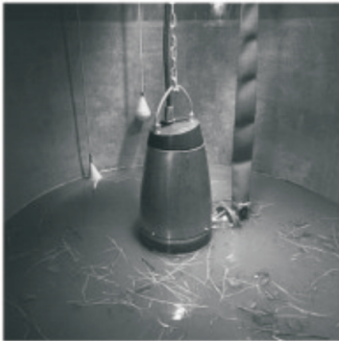
Structure and material specification



Parts	Material	Parts	Material
o-ring	NBR rubber	Pump body	Cast ironl GG200
Impeller	Cast ironl GG200	Upper cover	Cast ironl GG200
Down cover	Cast ironl GG200	Mixing pressure end	SUS304
Main axis seal	Silicon carbide/silicon carbide	Sub-axis seal	Graphite/ceramics
Hands up	Q235A	cable	H07RN-F
Cutting knife	Hardened stainless steel 630	Cutting tray	Hardened stainless steel 630

Using field

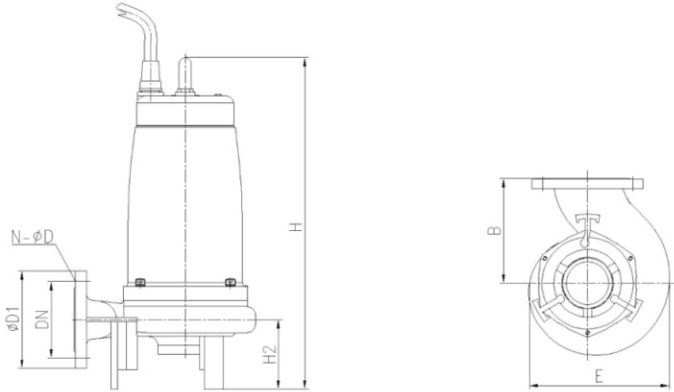
- The buliding for office,business
- Hotel,square and club
- Hospital and factory
- Subway Station
- Sewage highten pump station , sewage treatment factory



Diving style auto coupling installation Diving moving style installation

Installation size

No	Model	B	E	H	H2	Weight(kg)	DN
1	MS 10-10-0.75	142	170	440	100	22	50/65
2	MS 10-13-1.1	142	170	440	100	23	50/65
3	MS 10-18-1.5	165	215	556	100	30	50/65
4	MS 10-22-2.2	165	215	556	100	32	50/65
5	MS 15-15-1.5	165	215	556	100	30	50/65
6	MS 15-20-2.2	165	215	556	100	32	50/65
7	MS 15-27-3	165	215	556	100	37	50/65
8	MS 20-13-1.5	165	215	556	100	30	50/65/80
9	MS 20-18-2.2	165	215	556	100	32	50/65/80
10	MS 20-25-3	165	215	556	100	37	50/65/80
11	MS 25-10-1.5	165	215	556	100	30	50/65/80
12	MS 25-15-2.2	165	215	556	100	32	50/65/80
13	MS 25-20-3	165	215	556	100	37	50/65/80
14	MS 25-28-4	180	222	590	130	39	50/65/80
15	MS 25-32-5.5	210	255	670	125	63	50/65/80
16	MS 25-38-7.5	210	255	670	125	68	50/65/80
17	MS 30-13-2.2	165	215	556	100	32	65/80
18	MS 30-18-3	165	215	556	100	37	65/80
19	MS 30-25-4	180	222	590	130	39	65/80
20	MS 40-15-4	175	228	590	120	40	65/80/100
21	MS 40-30-7.5	210	255	670	125	68	80/100
22	MS 45-20-5.5	210	255	700	150	68	80/100
23	MS 50-17-5.5	210	255	700	150	68	80/100
24	MS 50-25-7.5	210	255	670	125	68	80
25	MS 65-15-5.5	210	255	700	150	68	80/100
26	MS 65-25-7.5	215	275	700	150	71	80/100
27	MS 70-13-5.5	210	255	700	150	68	80/100
28	MS 80-13-7.5	215	275	700	150	71	80/100
29	MS 110-10-5.5	250	345	710	150	76	150
30	MS 110-16-7.5	250	345	710	150	81	150
31	MS 130-8-5.5	250	345	710	150	76	150
32	MS 130-14-7.5	250	345	710	150	81	150
33	MS 130-18-11	250	345	805	150	95	150
34	MS 140-23-15	250	345	805	150	103	150
35	MS 150-6-5.5	250	345	710	150	76	150
36	MS 160-10-7.5	250	345	710	150	81	150
37	MS 150-17-11	250	345	805	150	95	150
38	MS 160-21-15	250	345	805	150	103	150
39	MS 180-14-11	250	345	805	150	95	150
40	MS 180-20-15	250	345	805	150	103	150
41	MS 200-11-11	250	345	805	150	95	150
42	MS 200-17-15	250	345	805	150	103	150

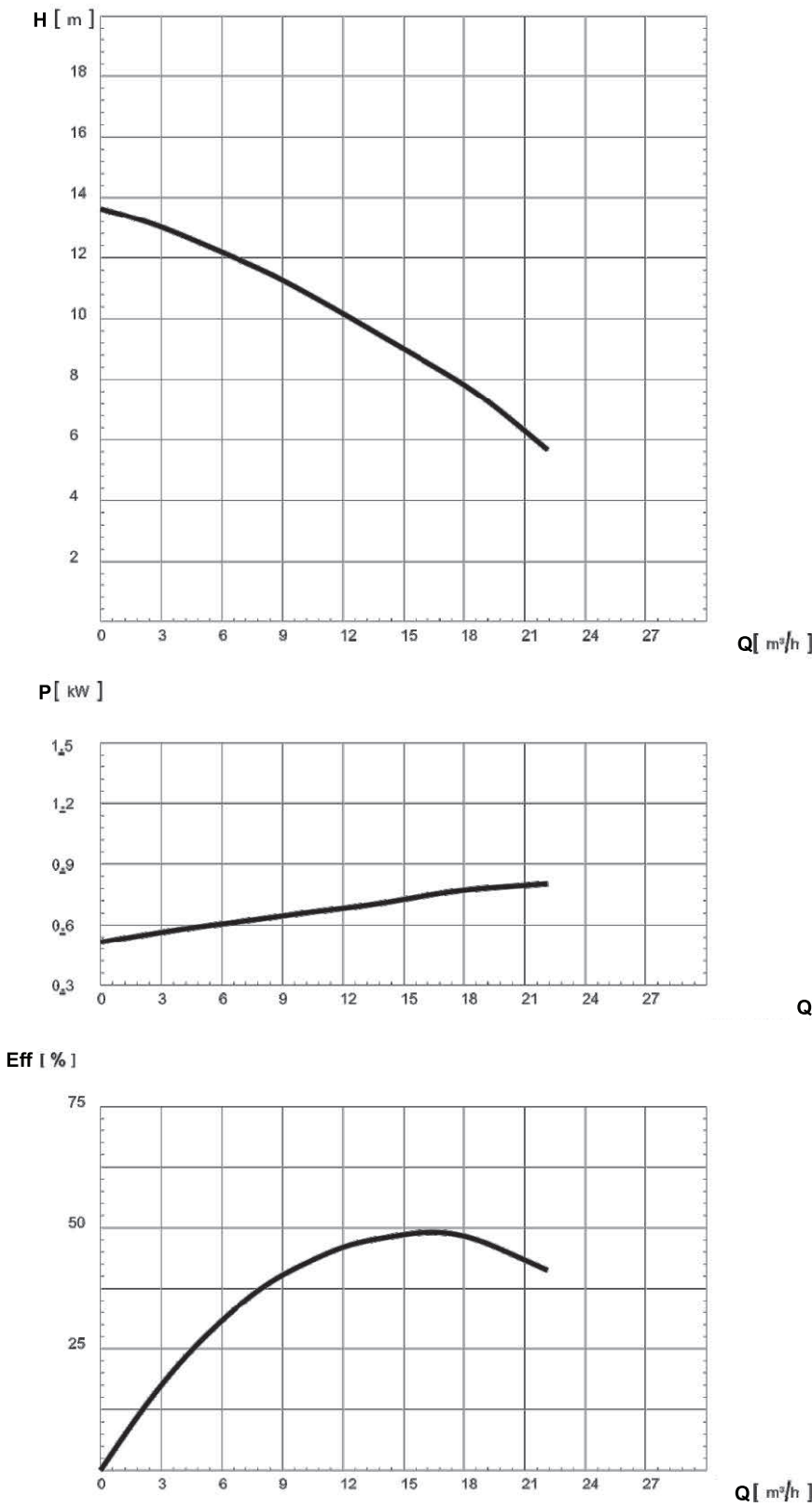


Performance parameter

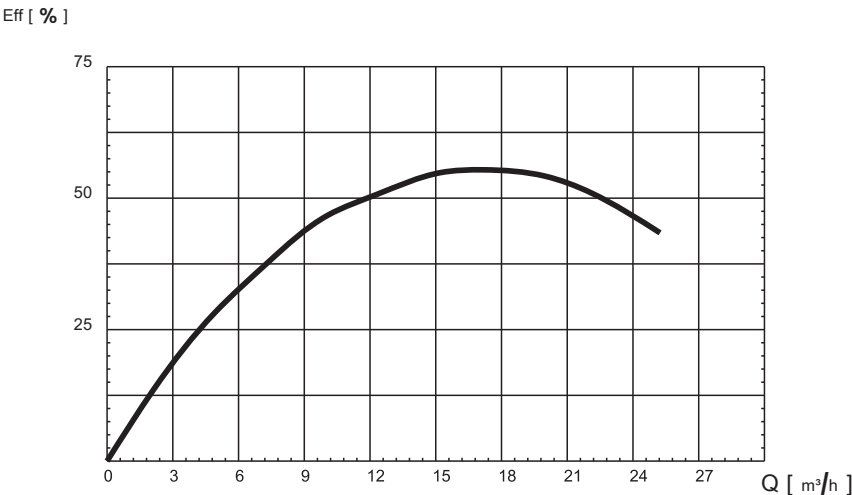
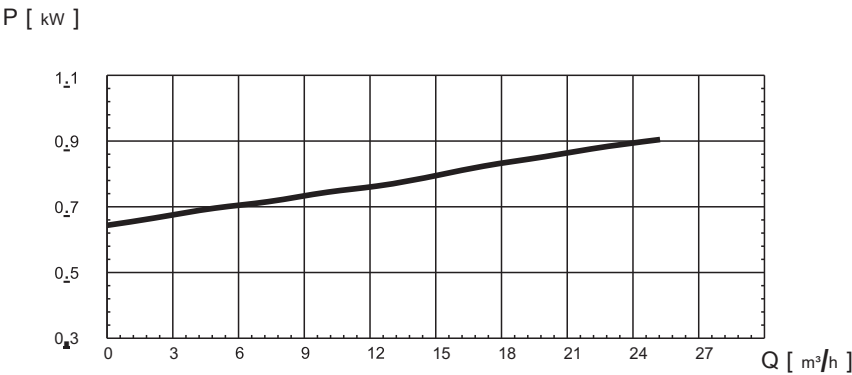
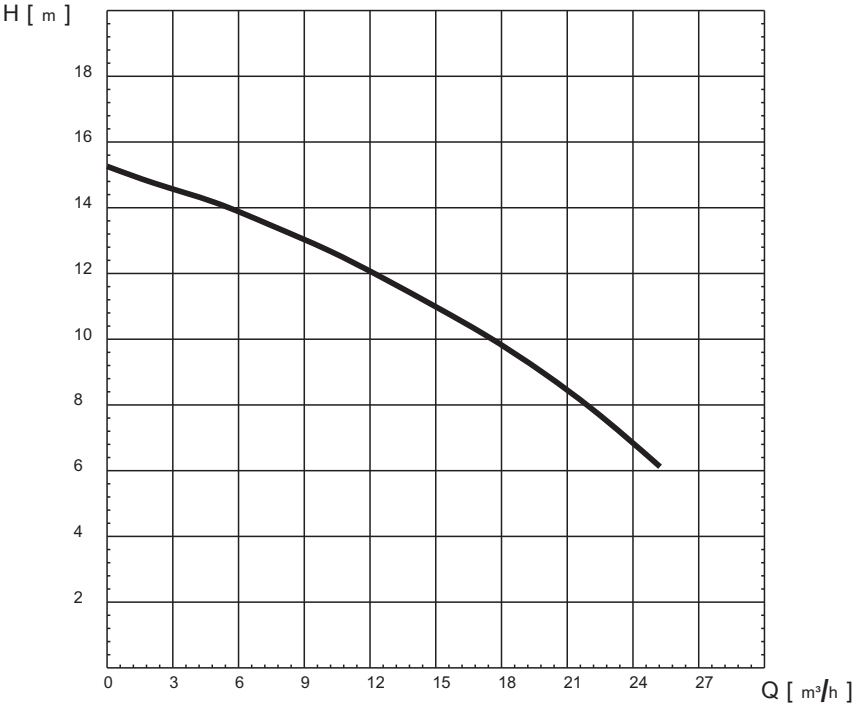
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2	MS 10-13-1.1	10	13	2900	1.1
3	MS 10-18-1.5	10	18	2900	1.5
4	MS 10-22-2.2	10	22	2900	2.2
5	MS 15-15-1.5	15	15	2900	1.5
6	MS 15-20-2.2	15	20	2900	2.2
7	MS 15-27-3	15	27	2900	3
8	MS 20-13-1.5	20	13	2900	1.5
9	MS 20-18-2.2	20	18	2900	2.2
10	MS 20-25-3	20	25	2900	3
11	MS 25-10-1.5	25	10	2900	1.5
12	MS 25-15-2.2	25	15	2900	2.2
13	MS 25-20-3	25	20	2900	3
14	MS 25-28-4	25	28	2900	4
15	MS 25-32-5.5	25	32	2900	5.5
16	MS 25-38-7.5	25	35	2900	7.5
17	MS 30-13-2.2	30	13	2900	2.2
18	MS 30-18-3	30	20	2900	3
19	MS 30-25-4	30	25	2900	4
20	MS 40-15-4	40	15	2900	4
21	MS 40-30-7.5	40	30	2900	7.5
22	MS 45-20-5.5	40	20	2900	5.5
23	MS 50-17-5.5	50	18	2900	5.5
24	MS 50-25-7.5	50	25	2900	7.5
25	MS 65-15-5.5	65	15	2900	5.5
26	MS 65-25-7.5	65	25	2900	7.5
27	MS 70-13-5.5	70	13	2900	5.5
28	MS 80-13-7.5	80	13	2900	7.5
29	MS 110-10-5.5	110	10	2900	5.5
30	MS 110-16-7.5	110	16	2900	7.5
31	MS 130-8-5.5	130	8	2900	5.5
32	MS 130-14-7.5	130	14	2900	7.5
33	MS 130-18-11	130	18	2900	11
34	MS 140-23-15	140	23	2900	15
35	MS 150-6-5.5	150	6	2900	5.5
36	MS 160-10-7.5	160	10	2900	7.5
37	MS 150-17-11	150	17	2900	11
38	MS 160-21-15	160	21	2900	15
39	MS 180-14-11	180	14	2900	11
40	MS 180-20-15	180	20	2900	15
41	MS 200-11-11	200	11	2900	11
42	MS 200-17-15	200	17	2900	15

Performance graph

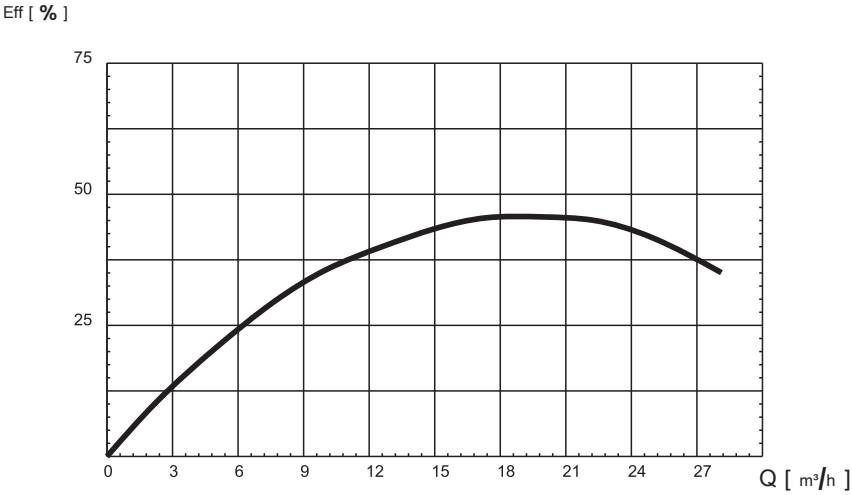
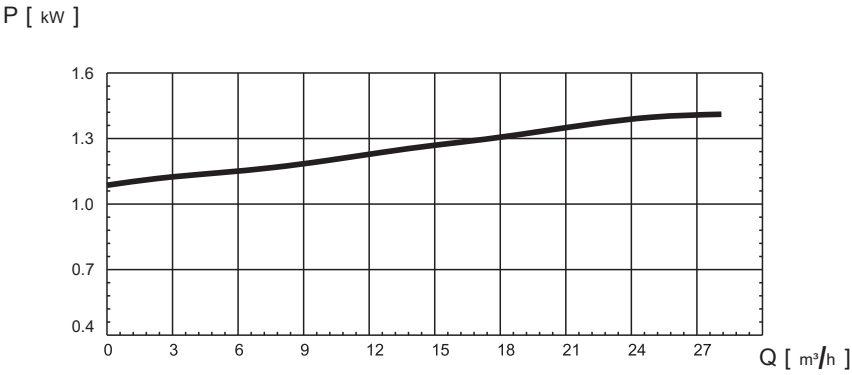
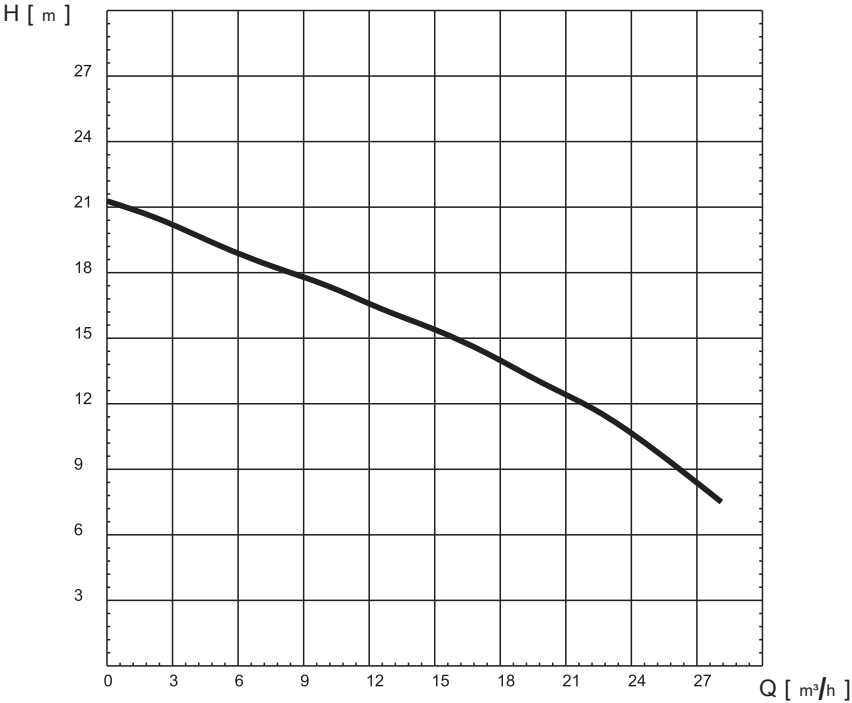
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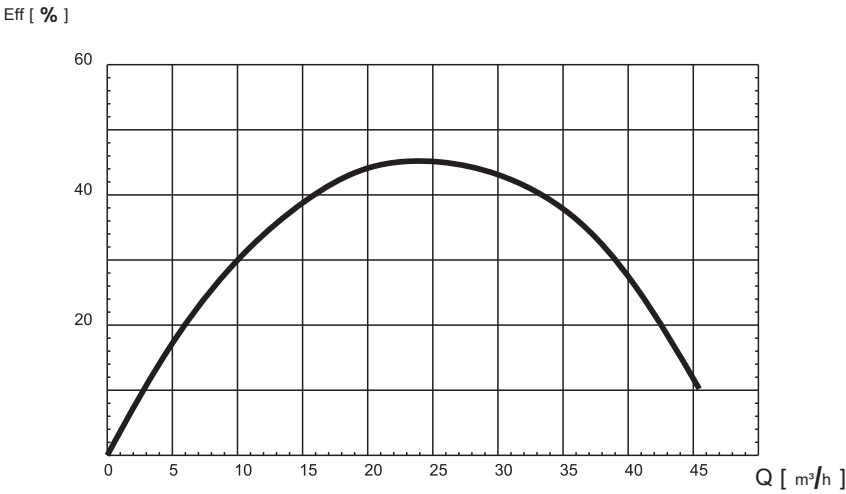
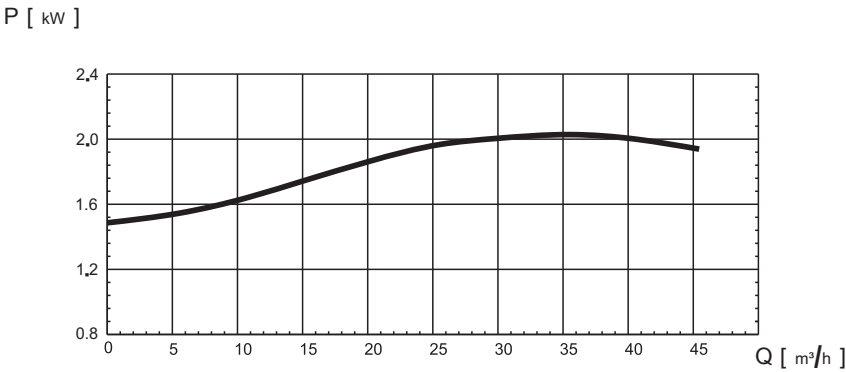
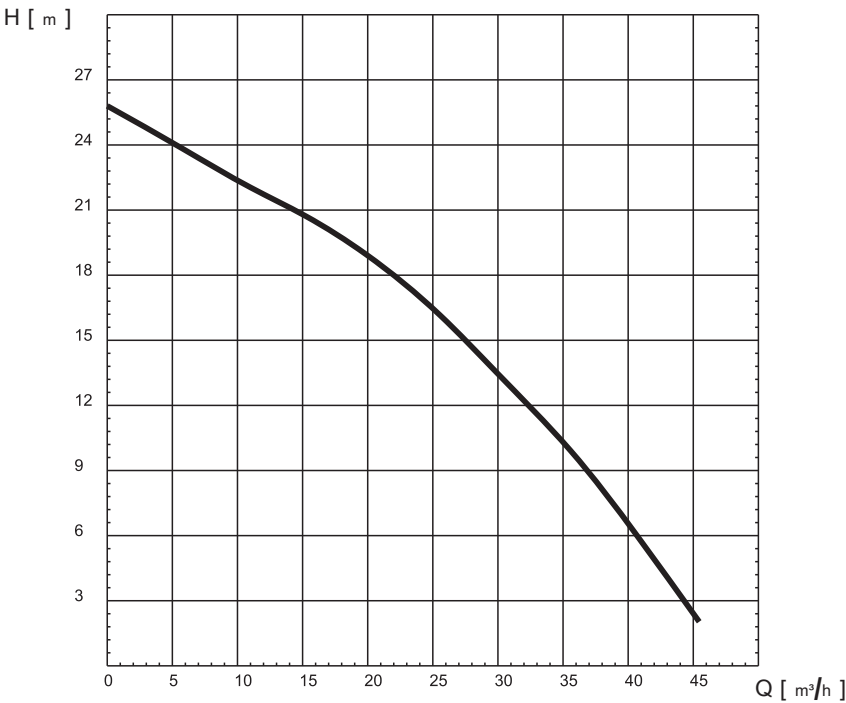
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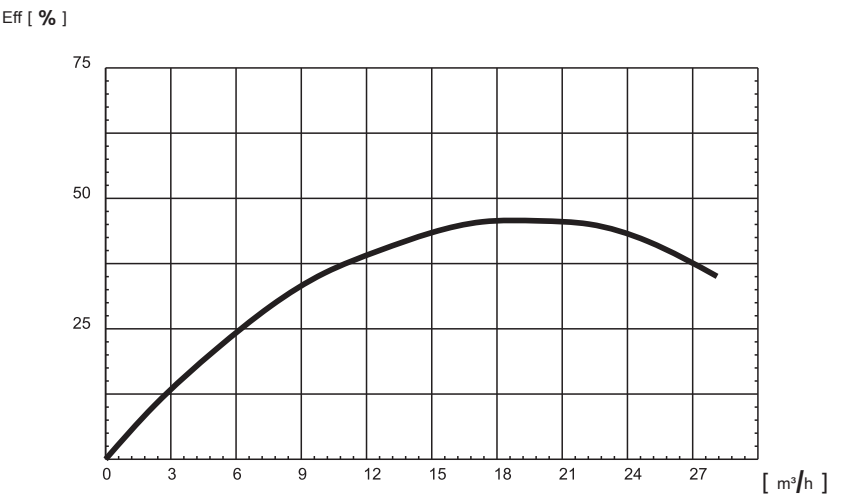
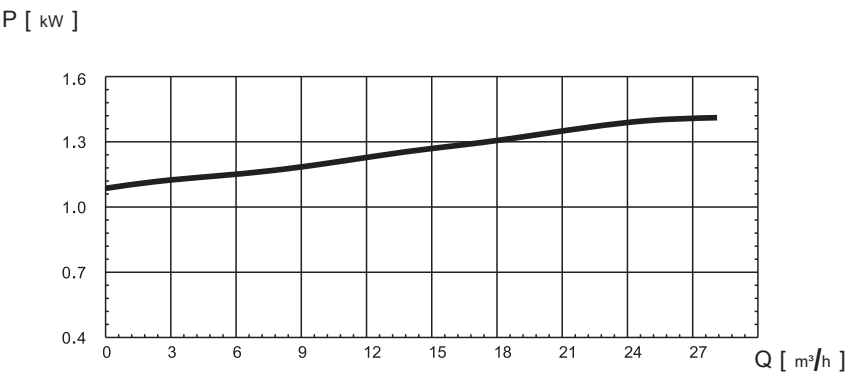
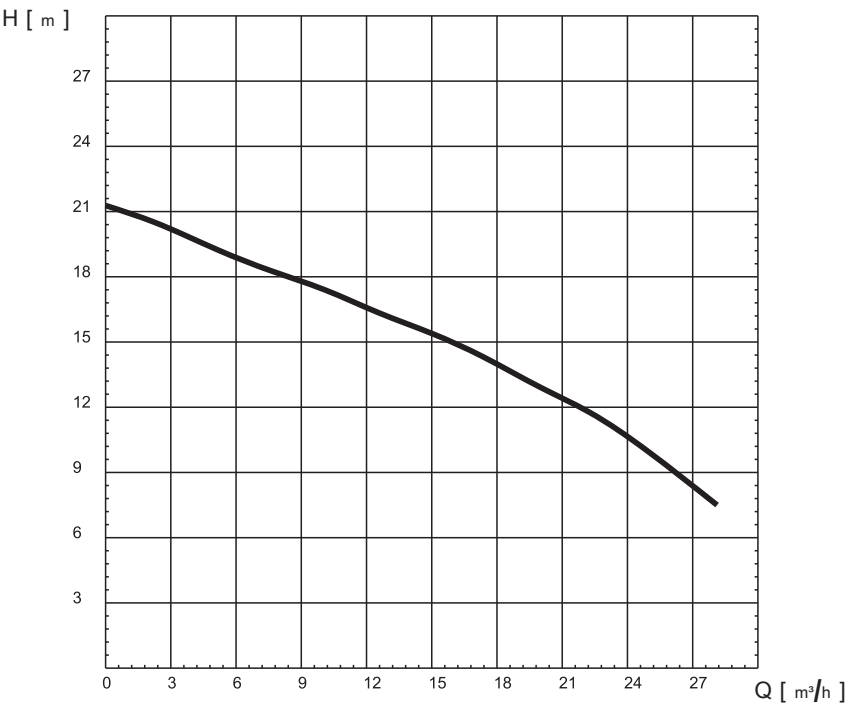
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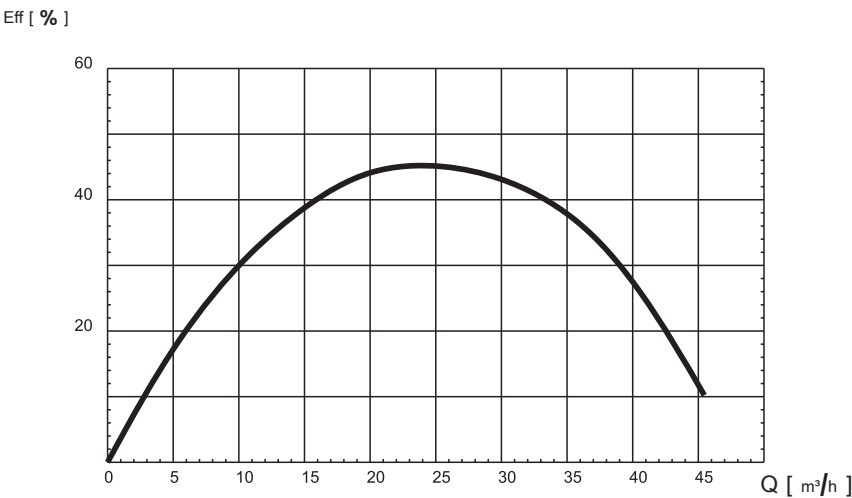
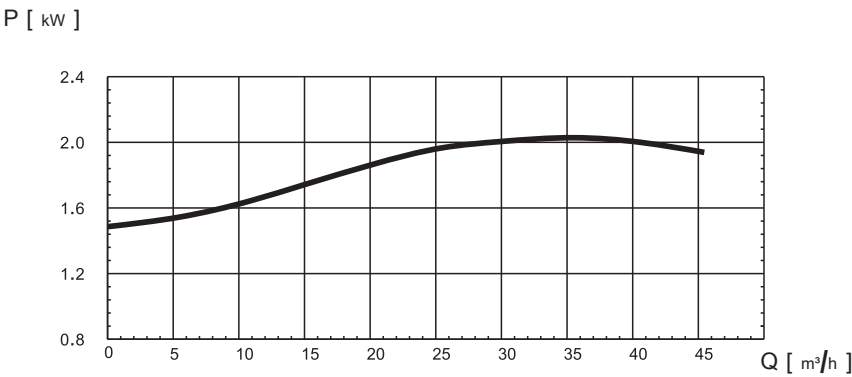
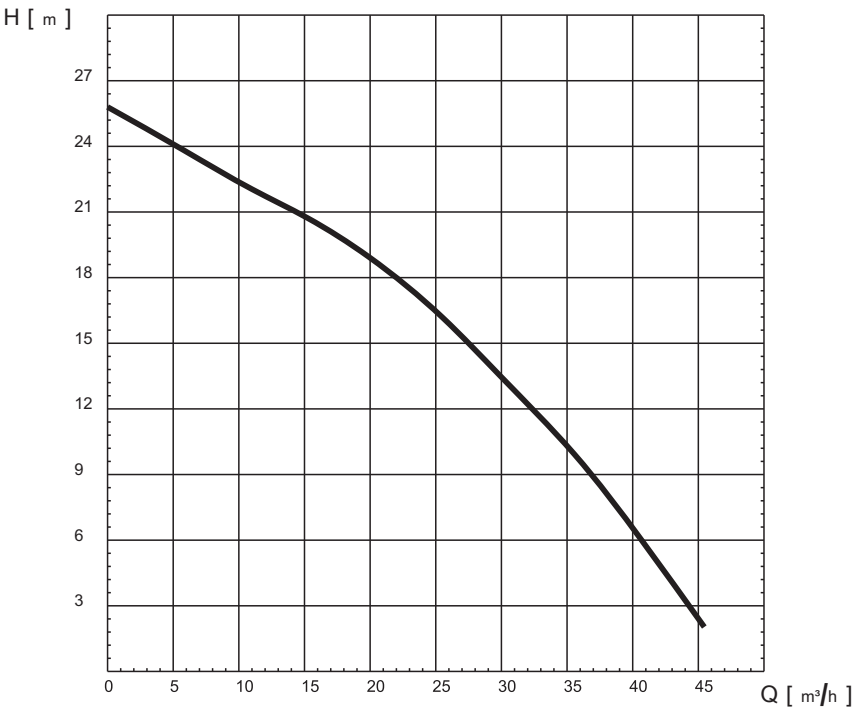
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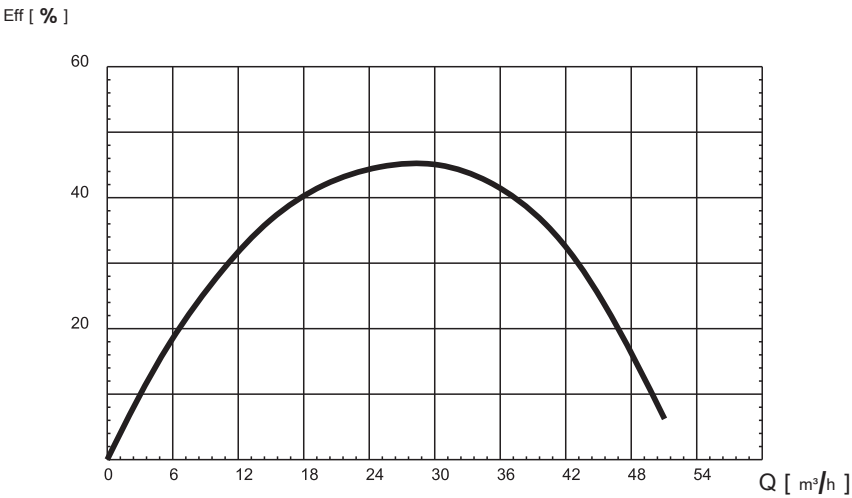
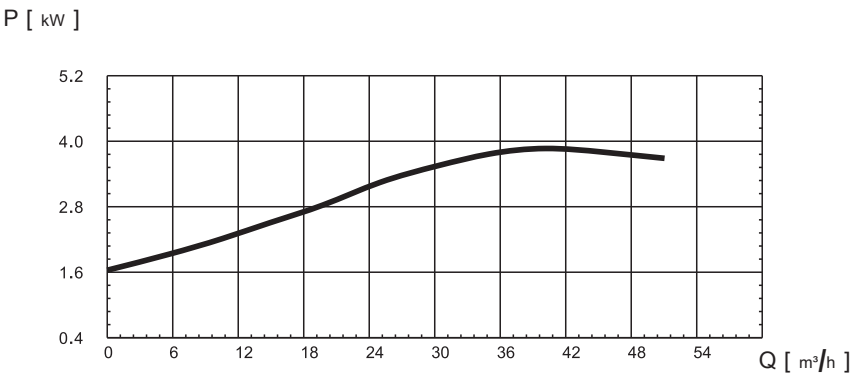
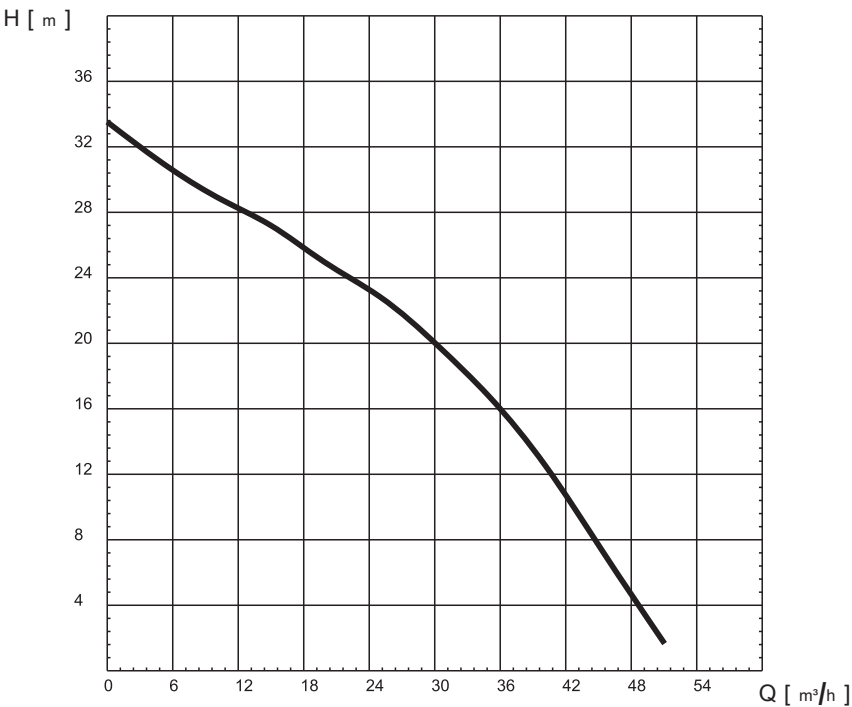
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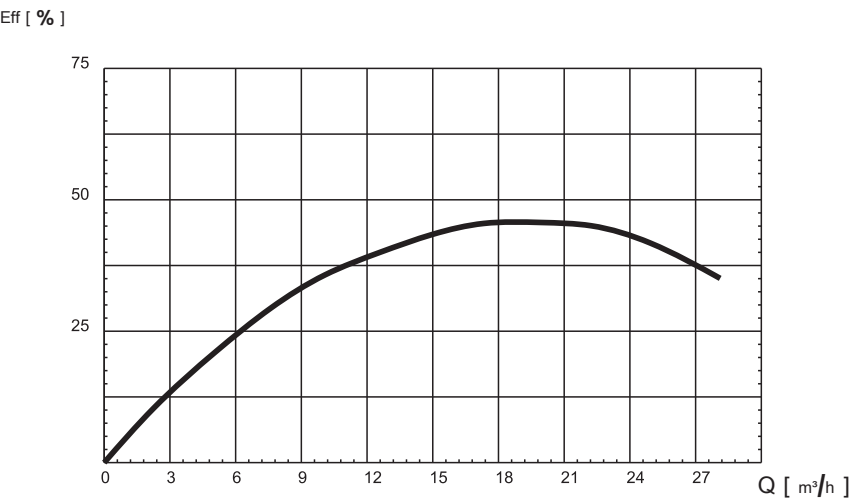
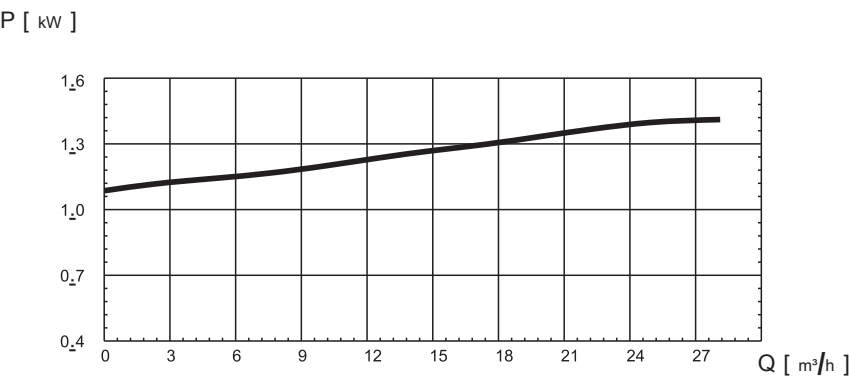
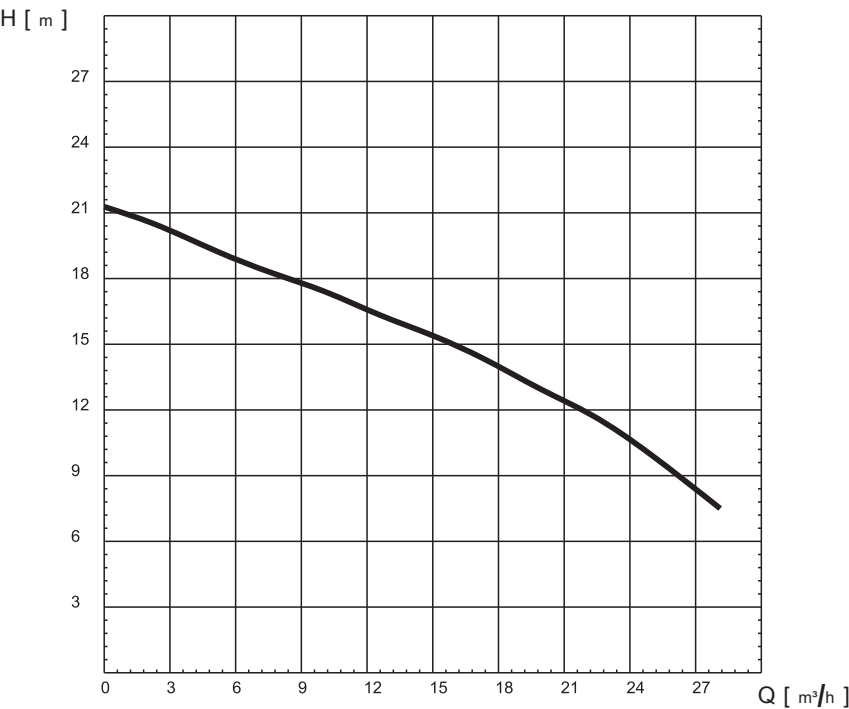
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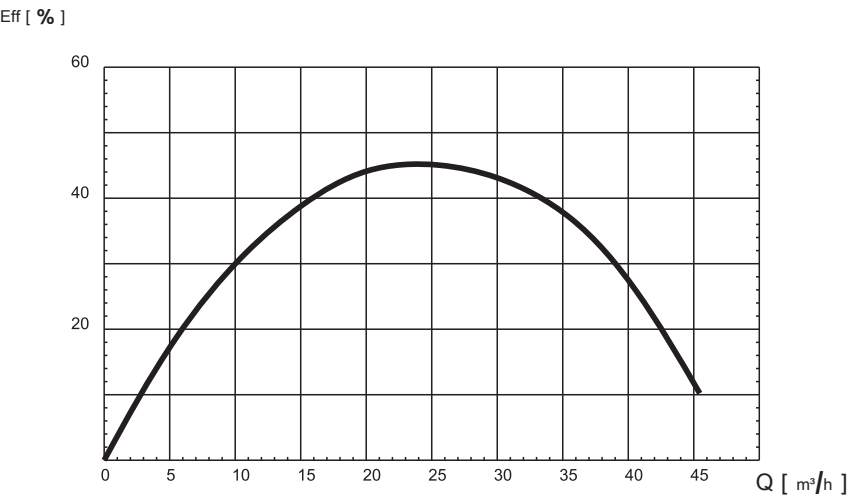
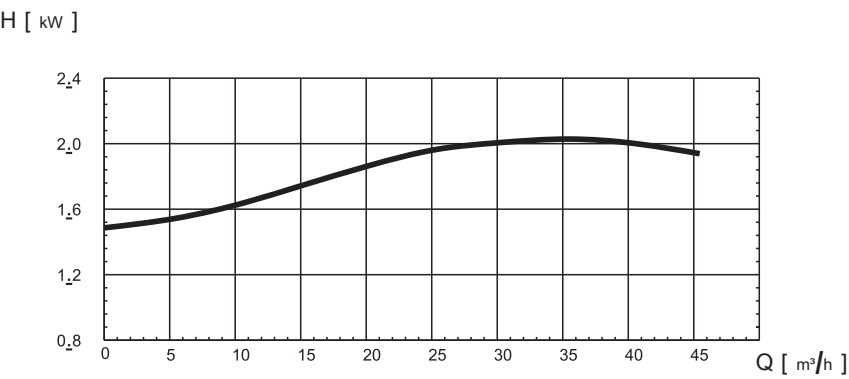
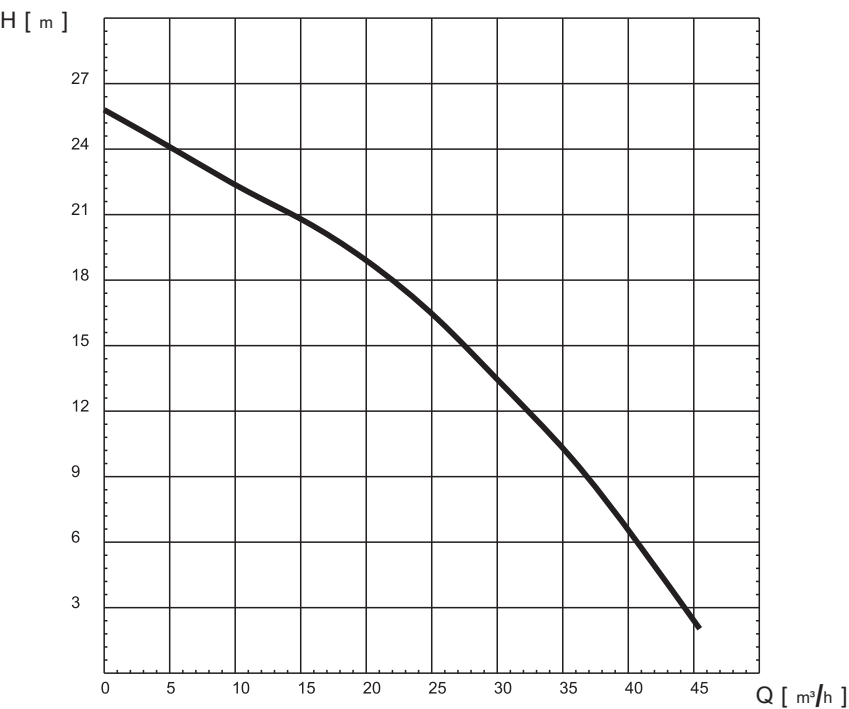
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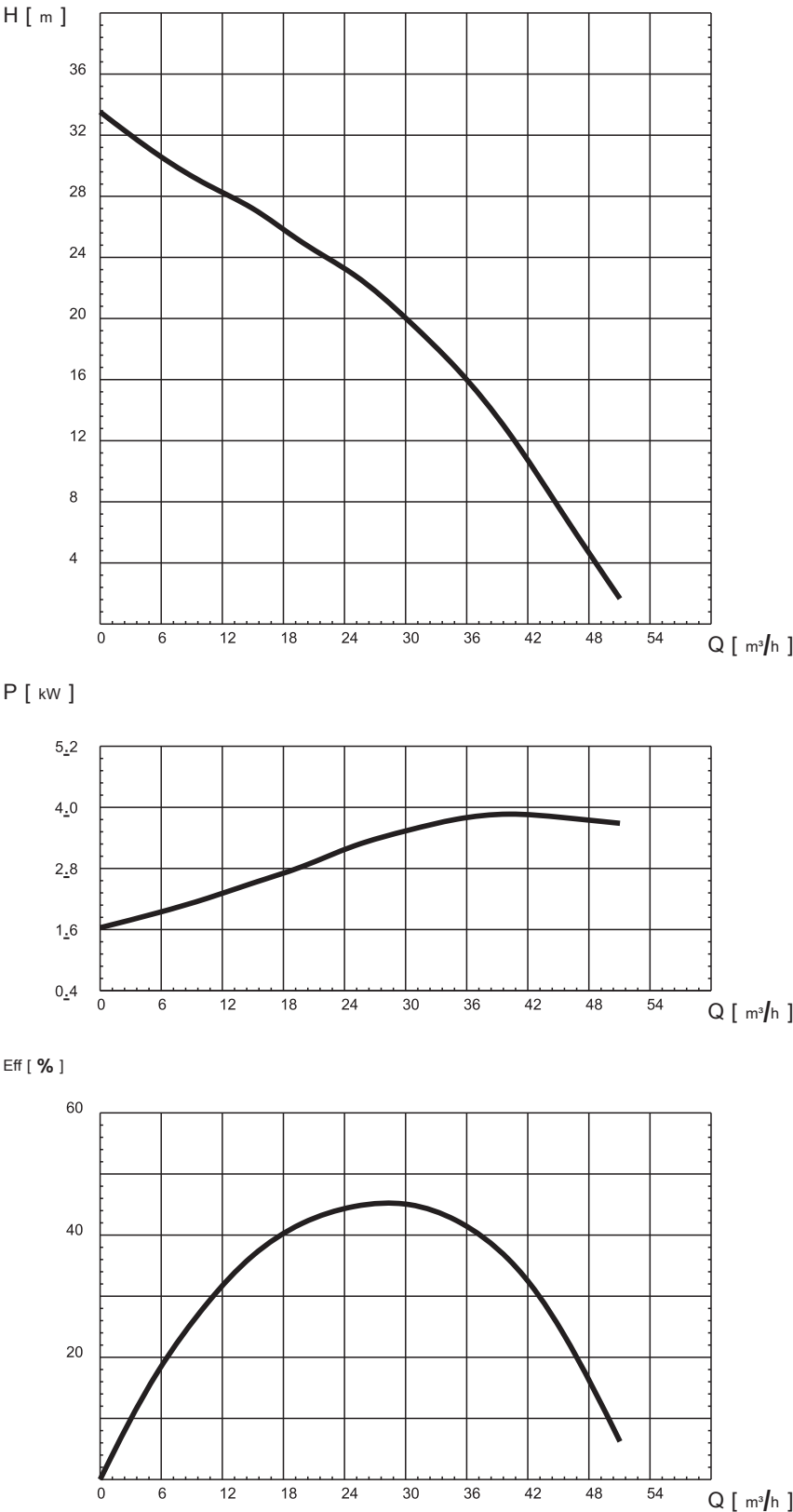
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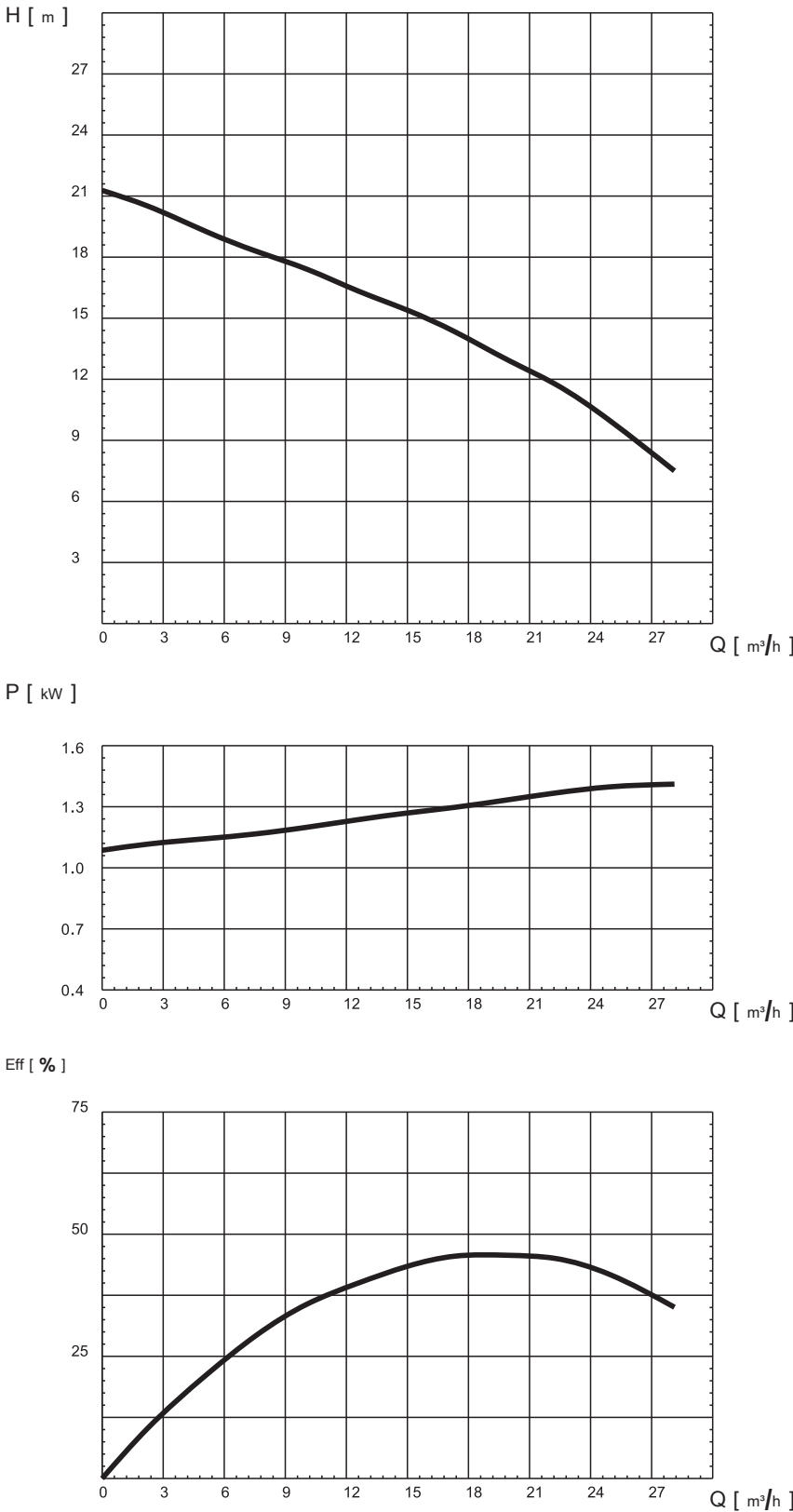
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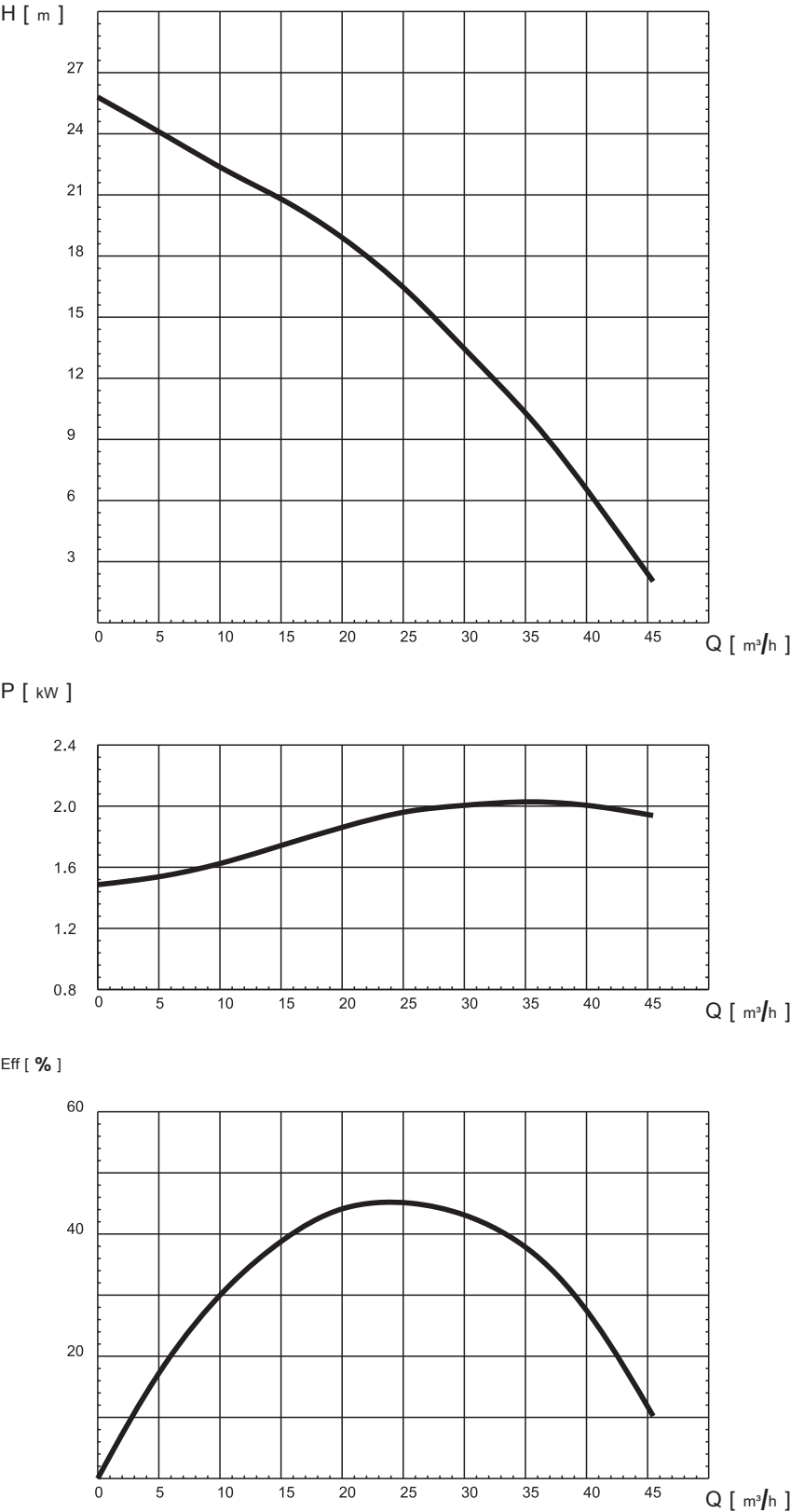
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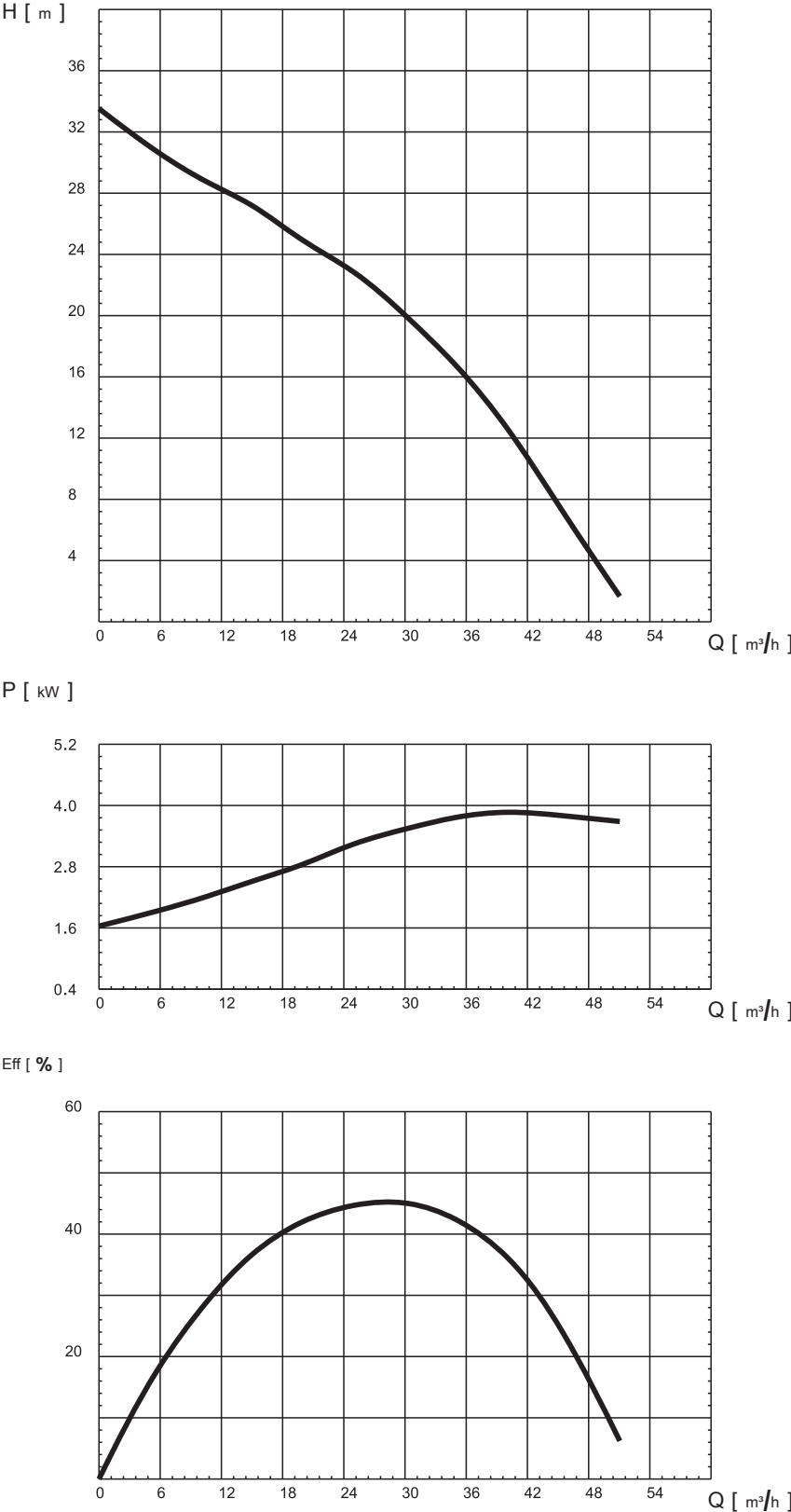
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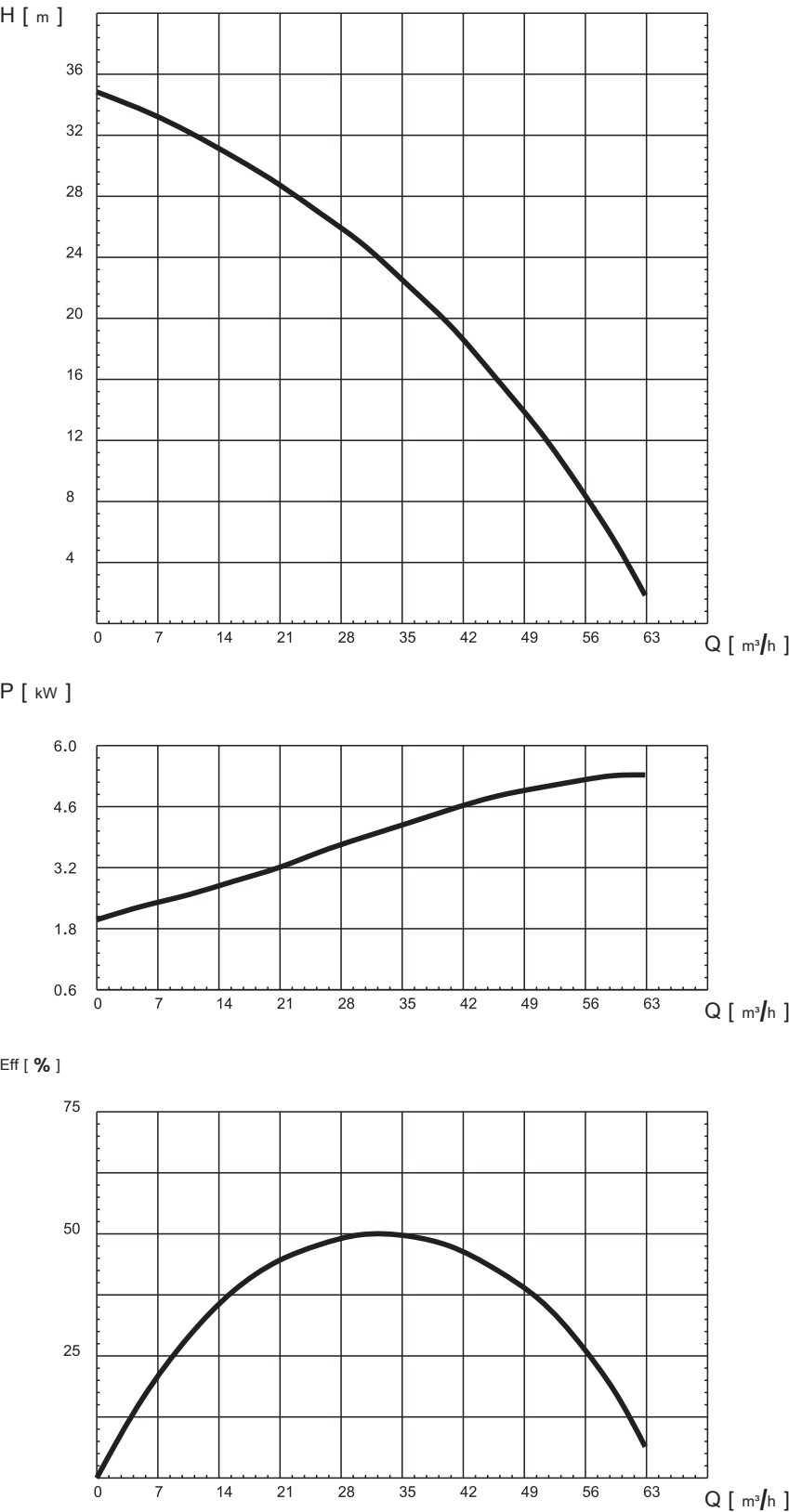
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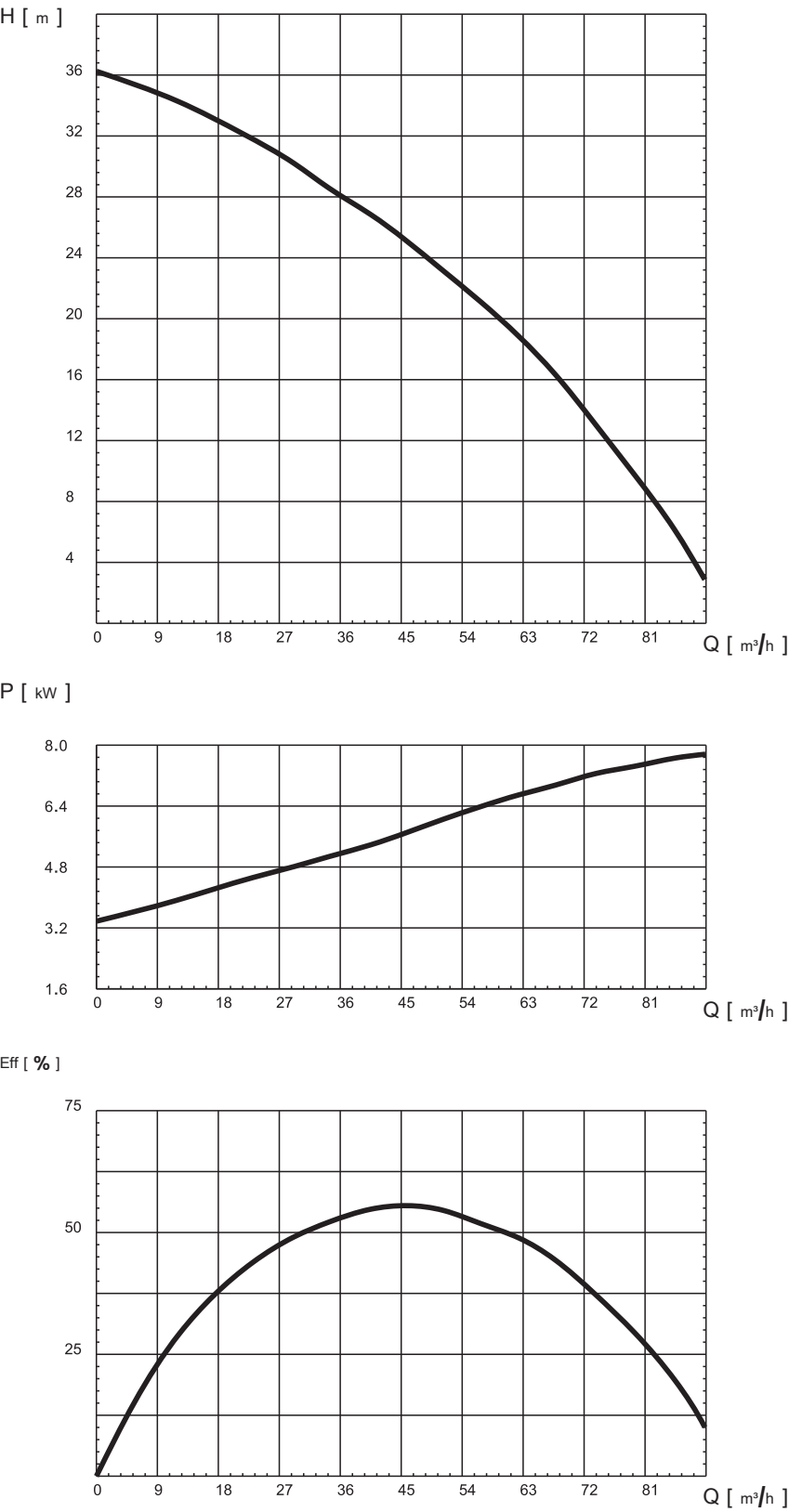
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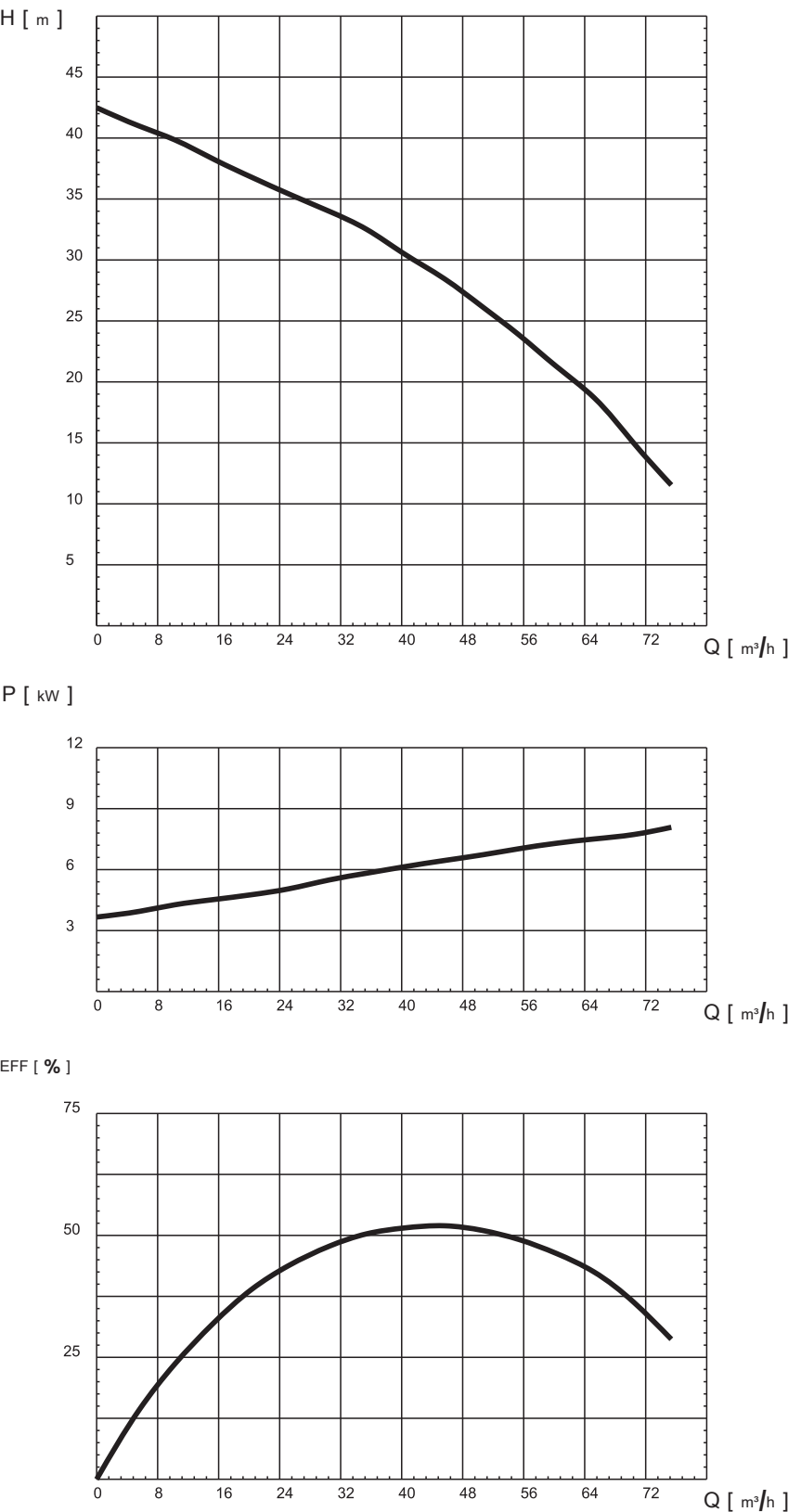
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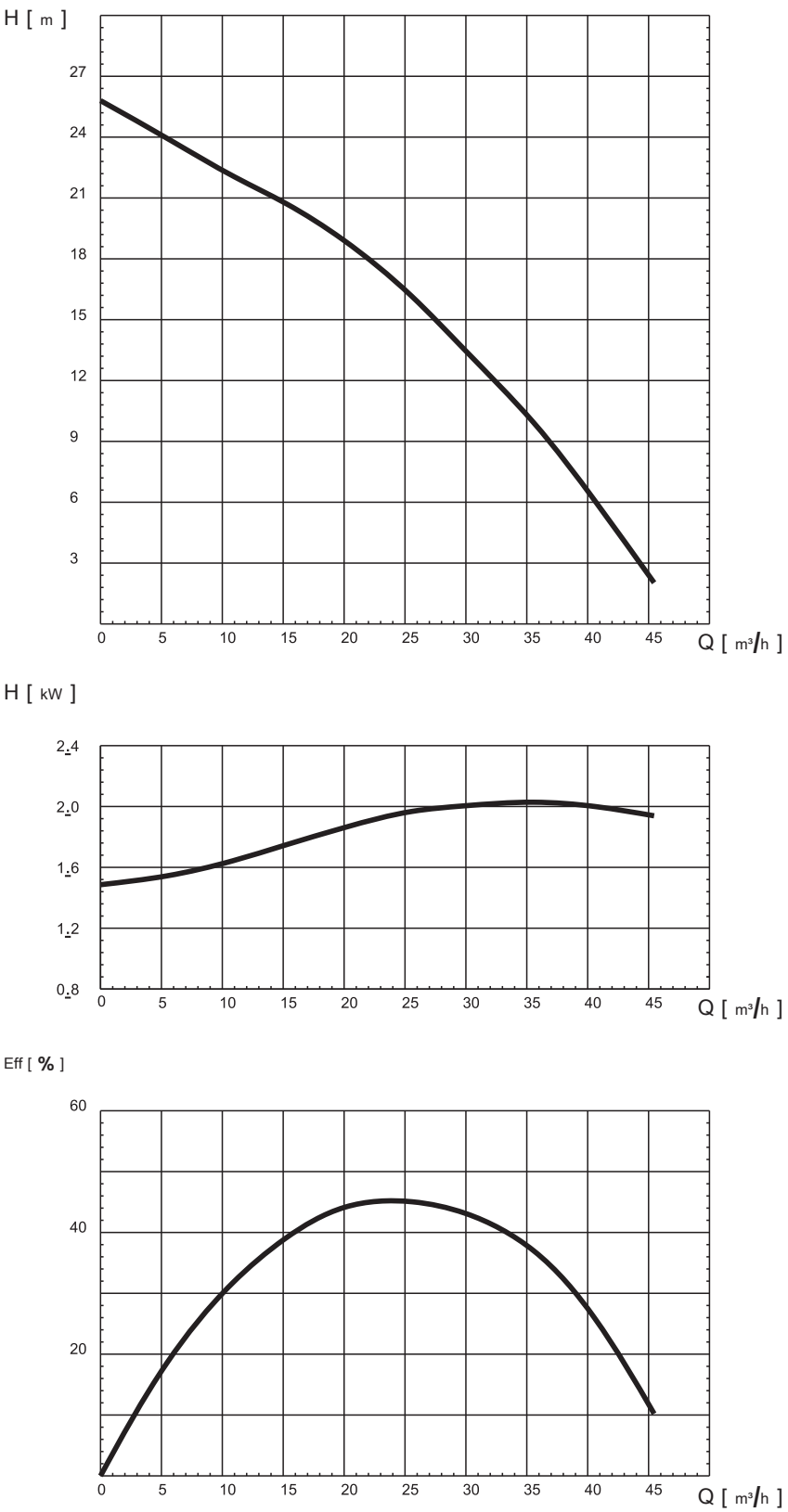
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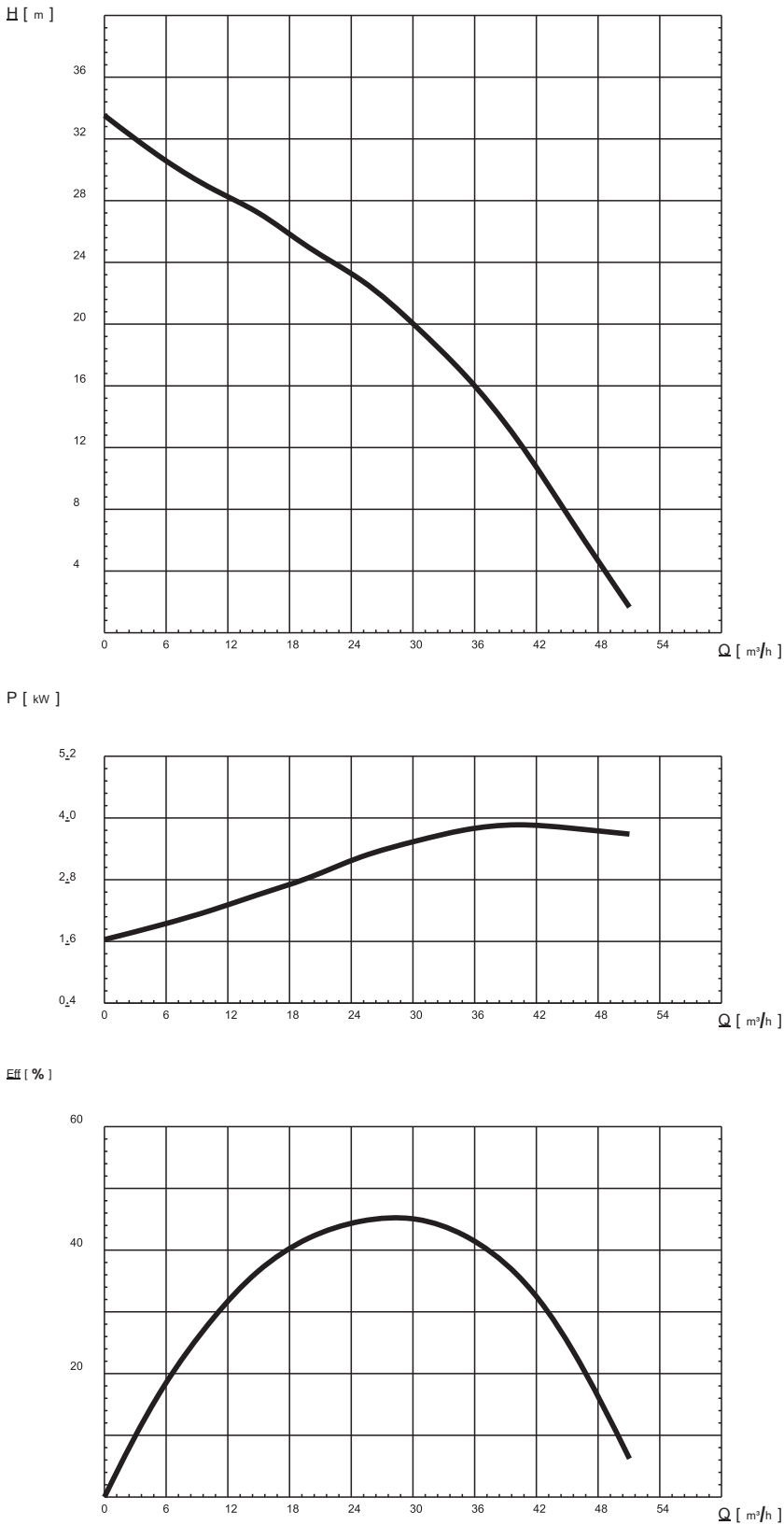
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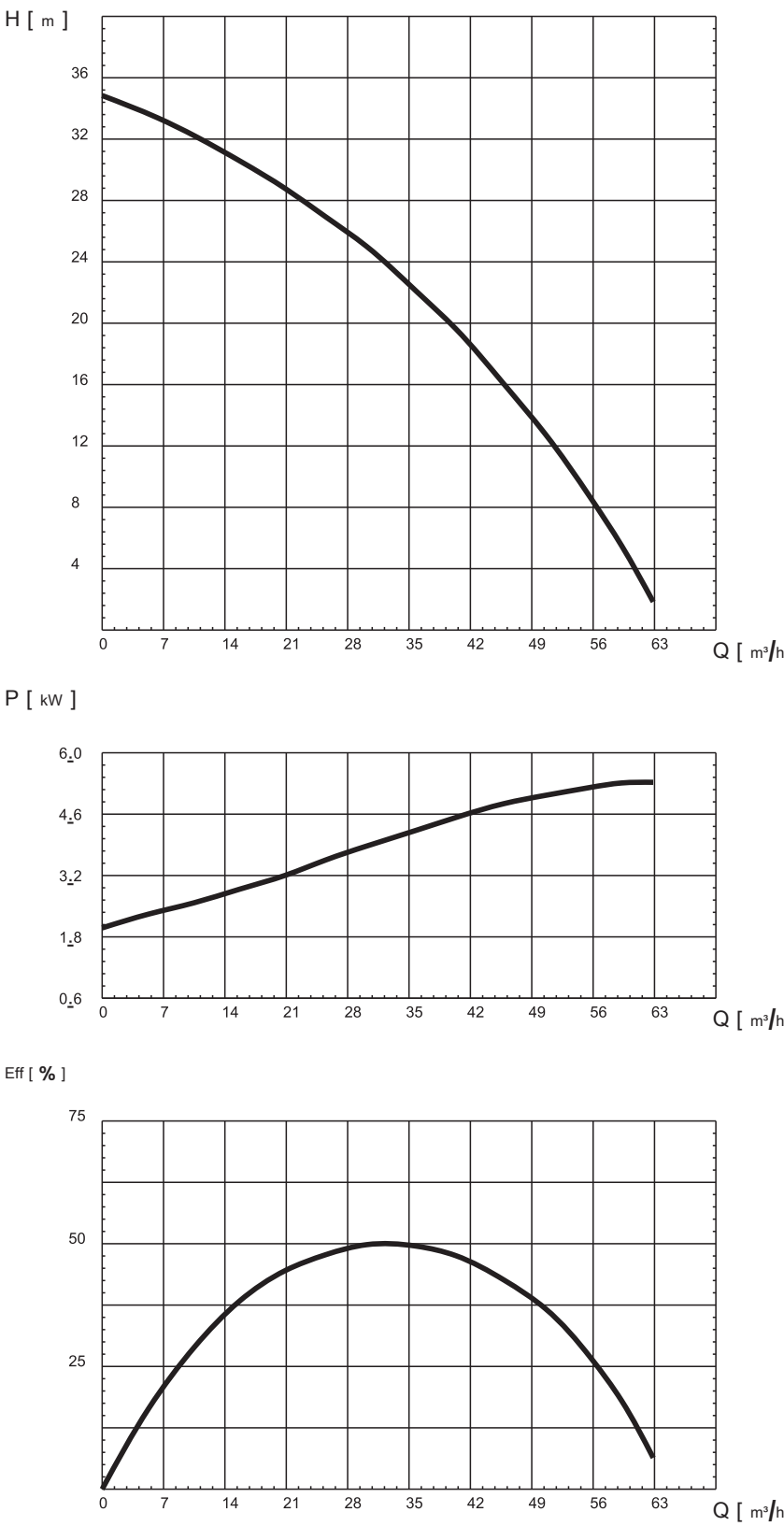
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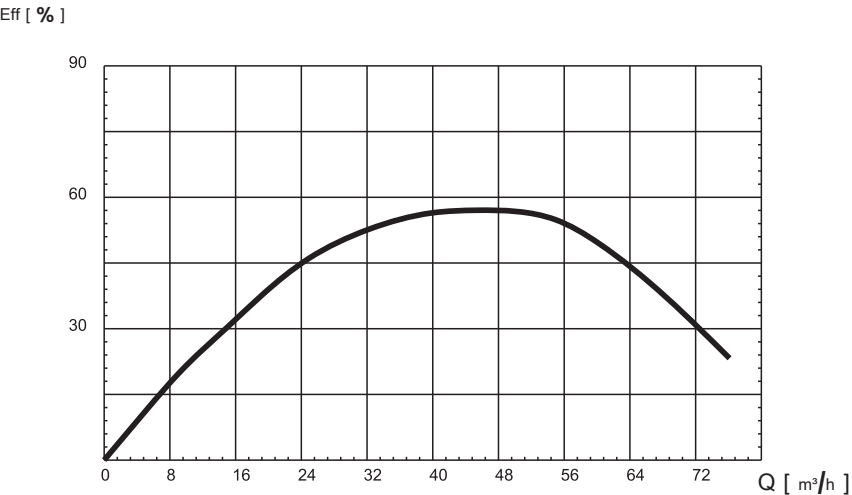
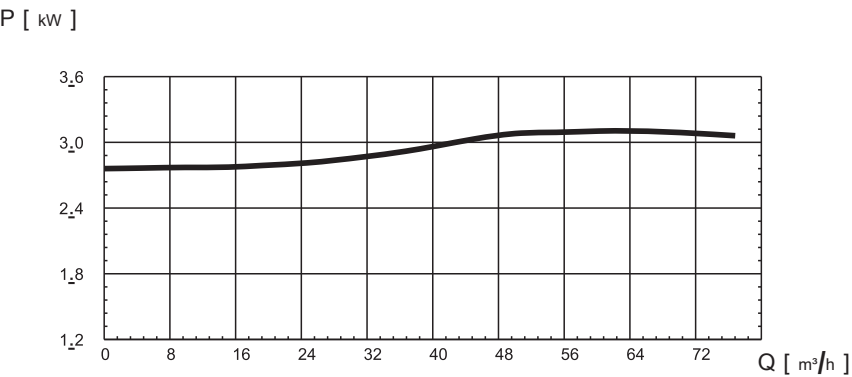
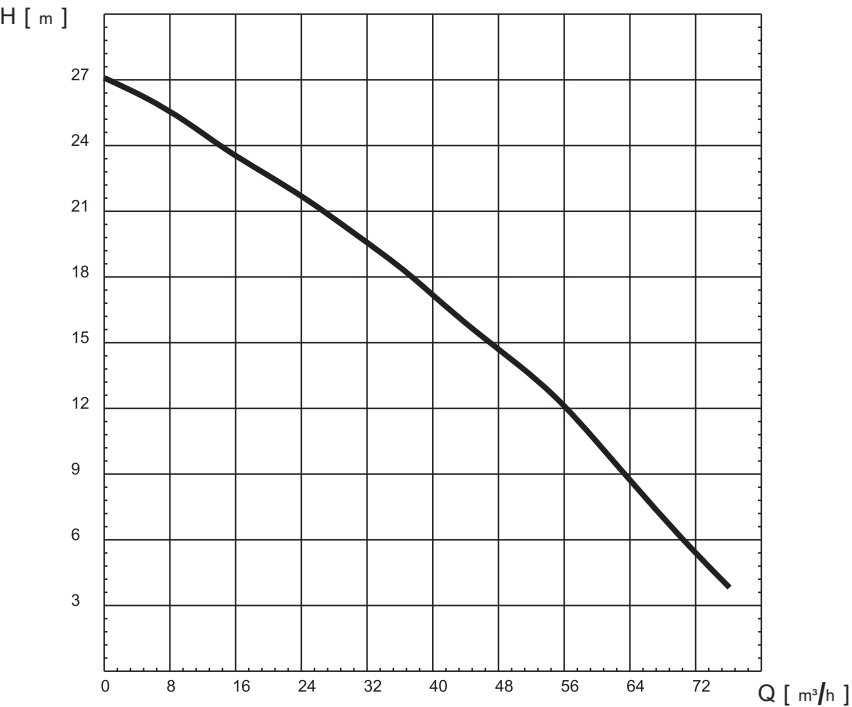
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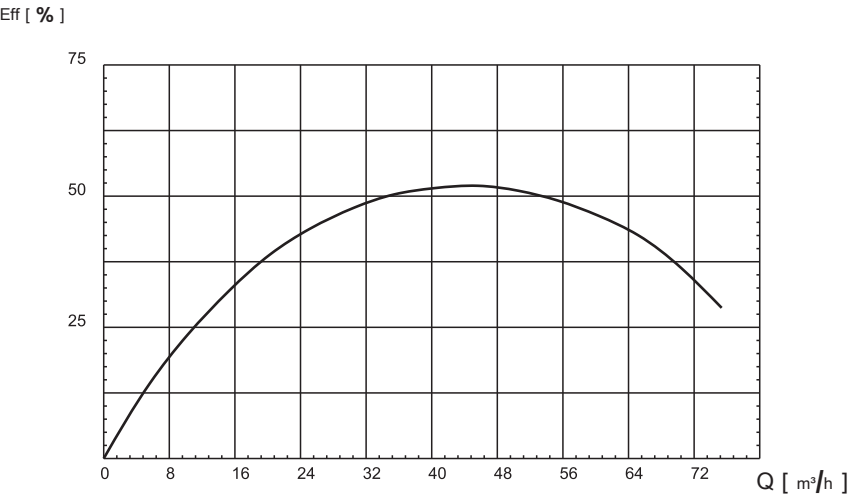
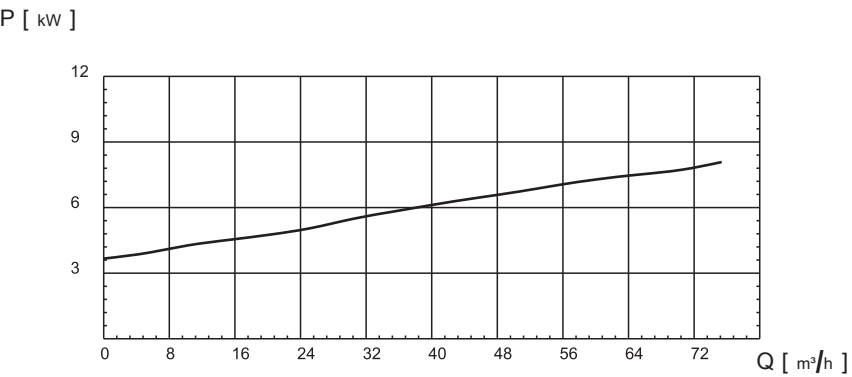
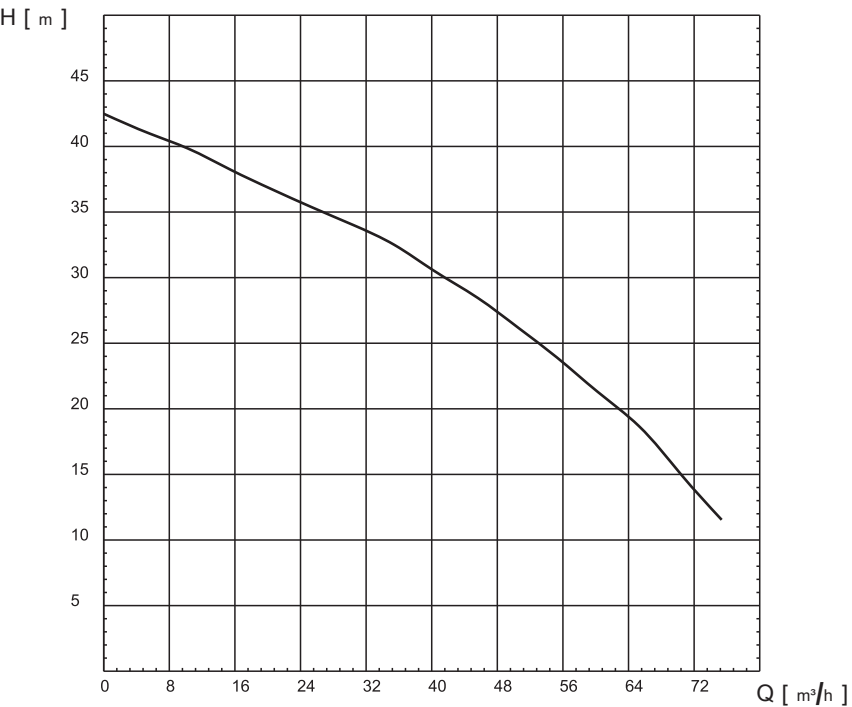
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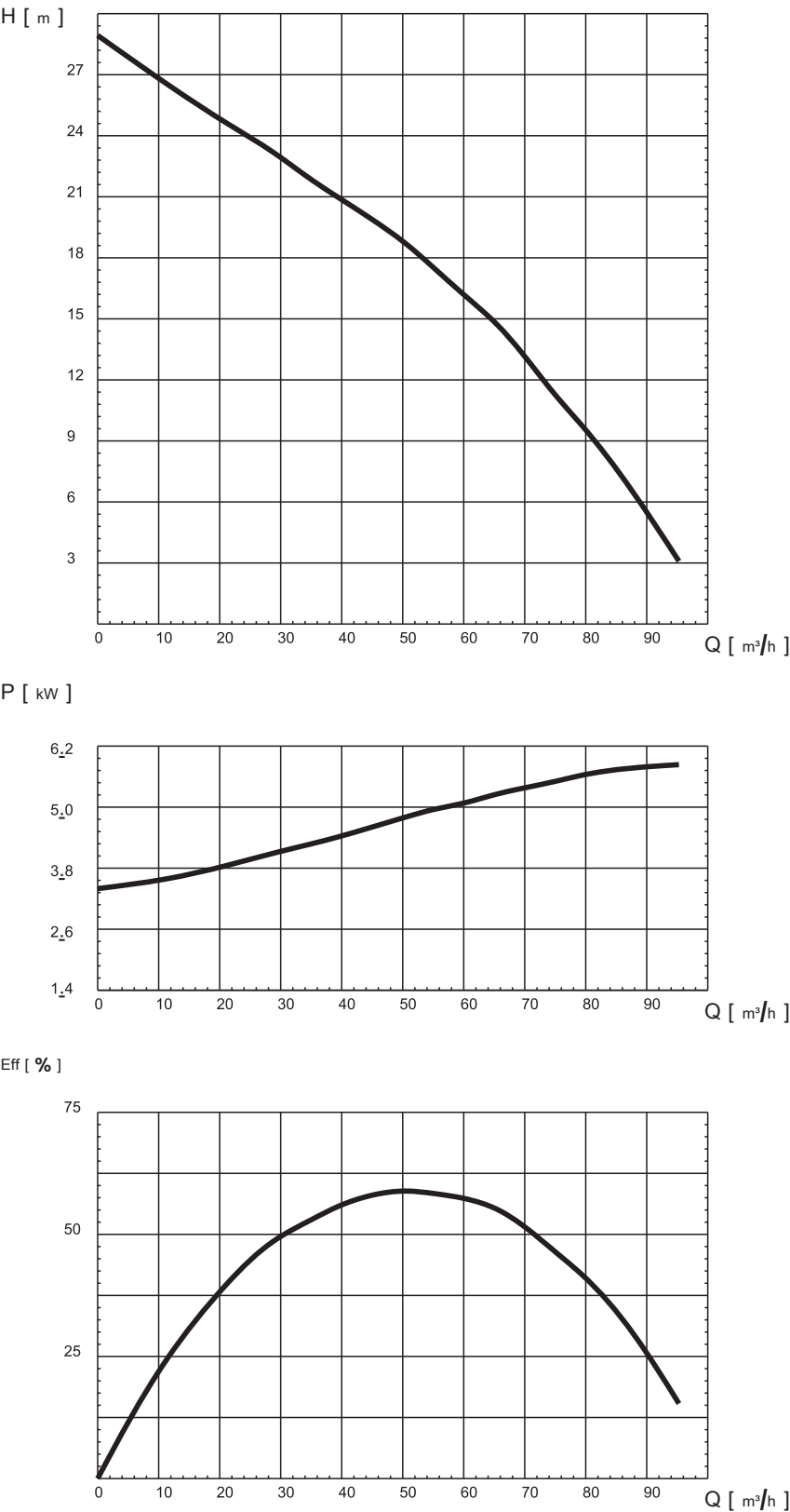
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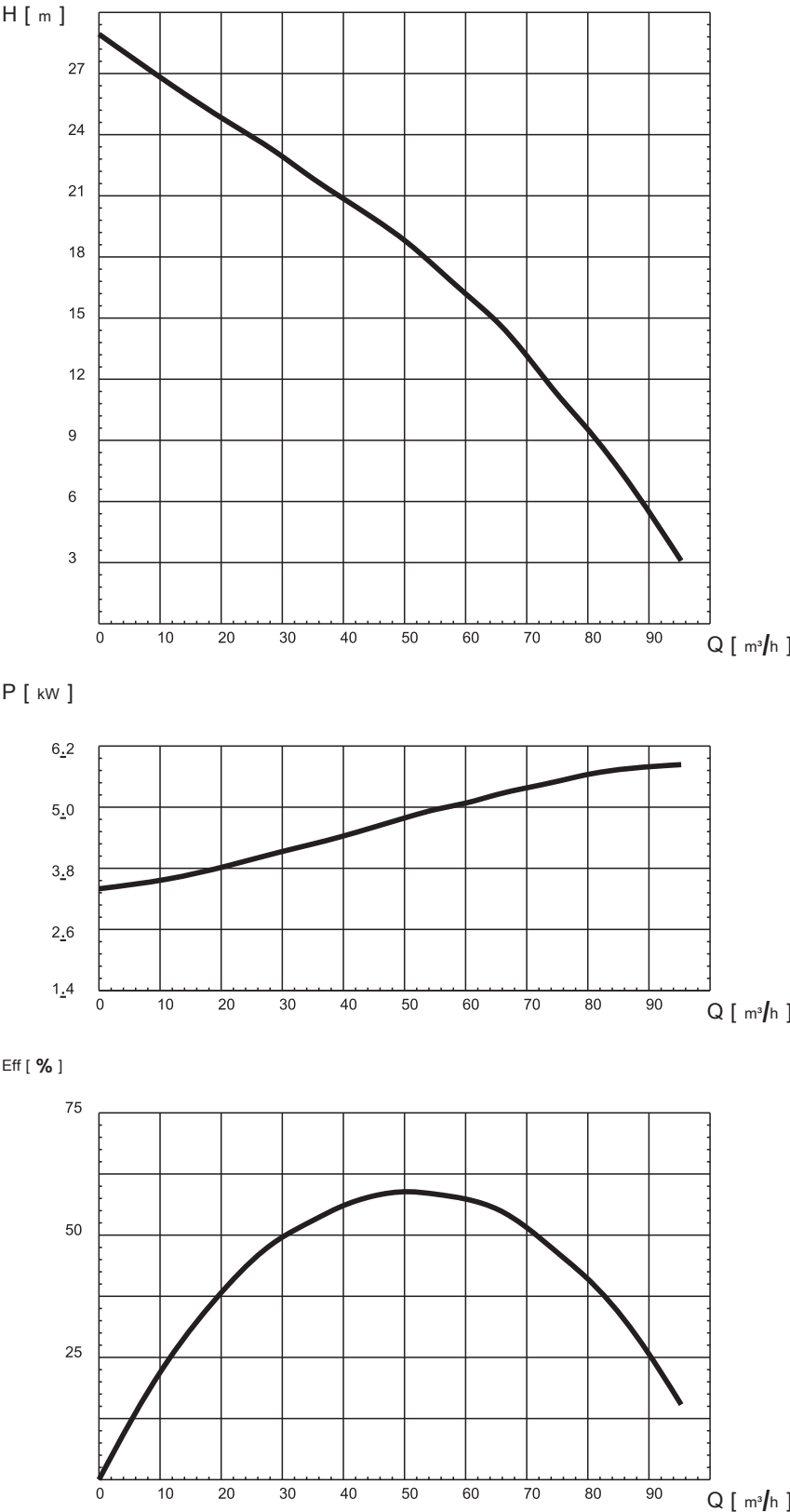
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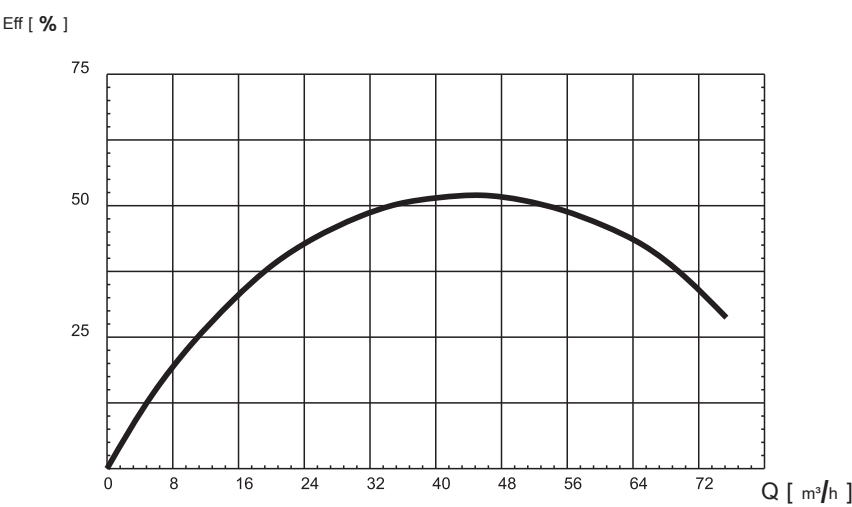
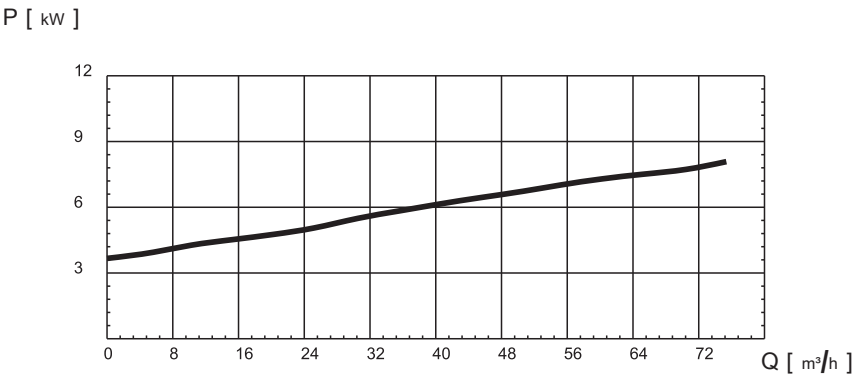
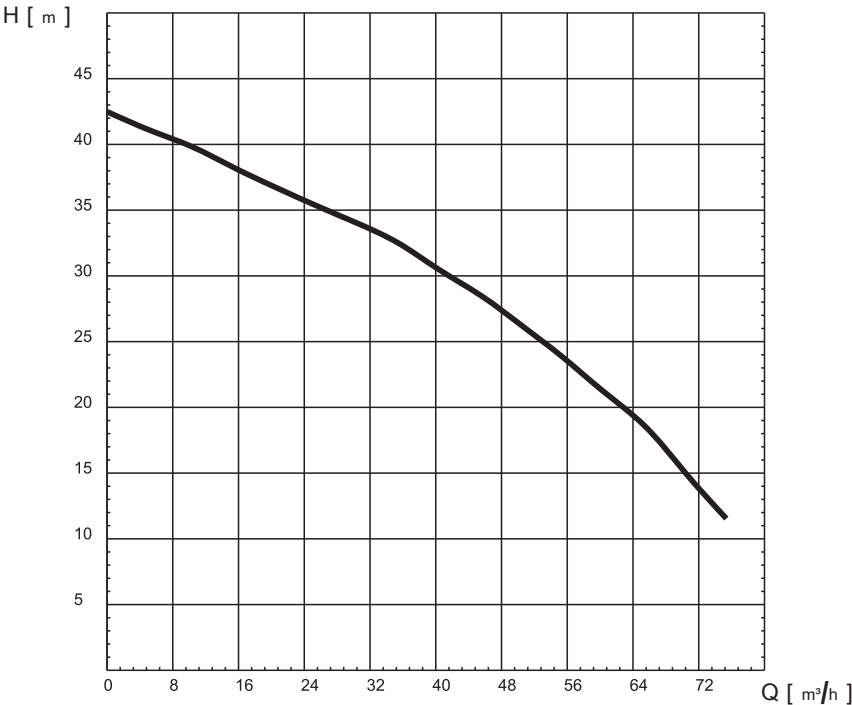
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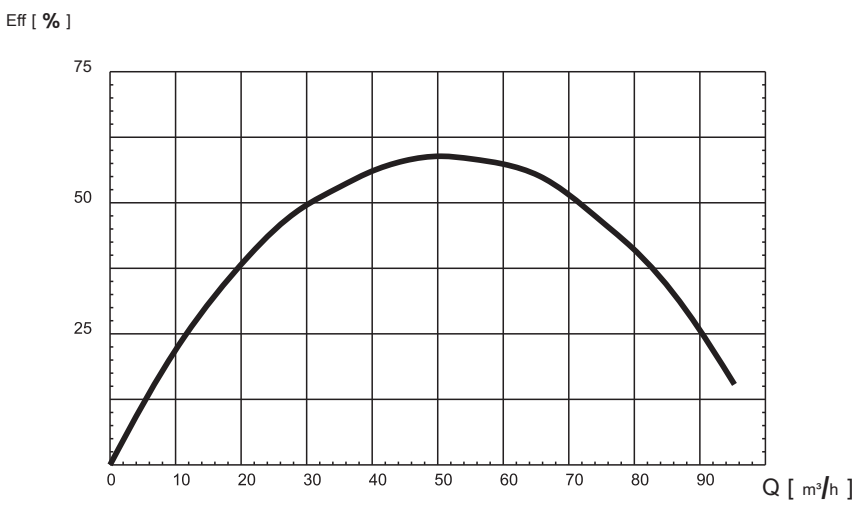
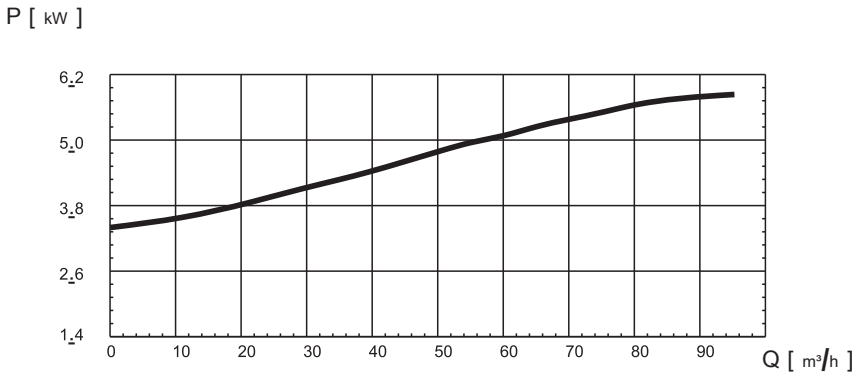
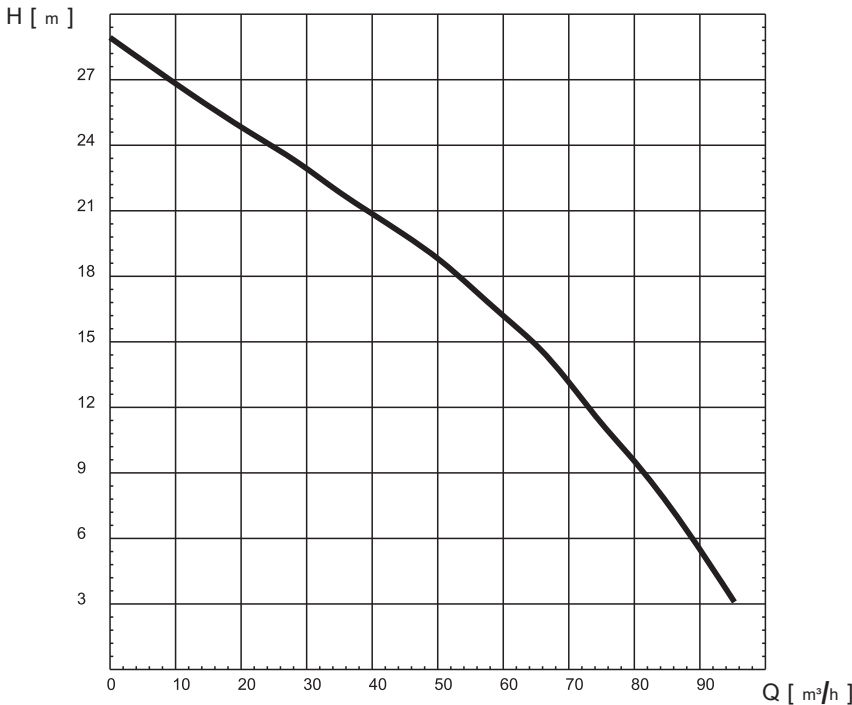
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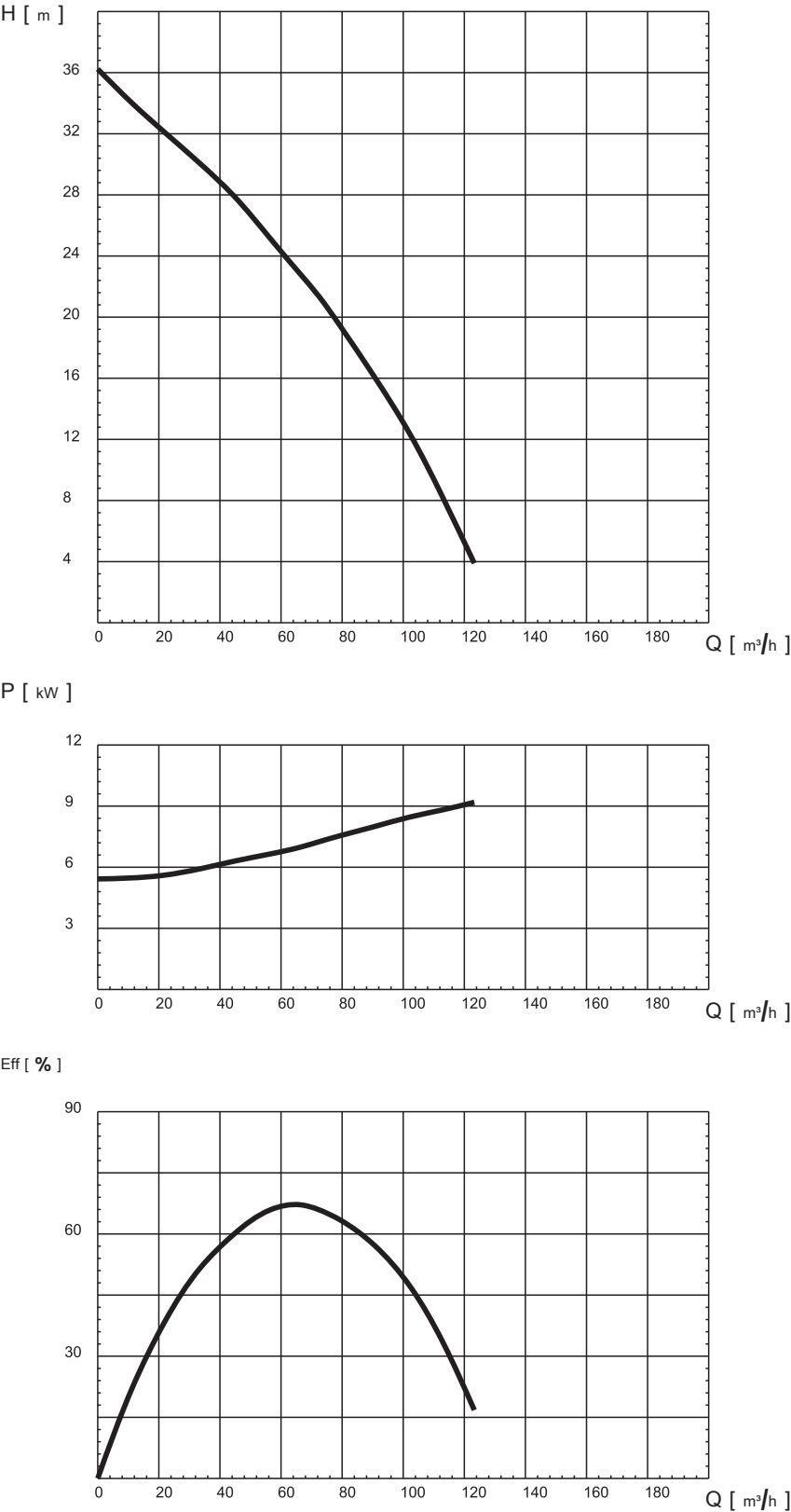
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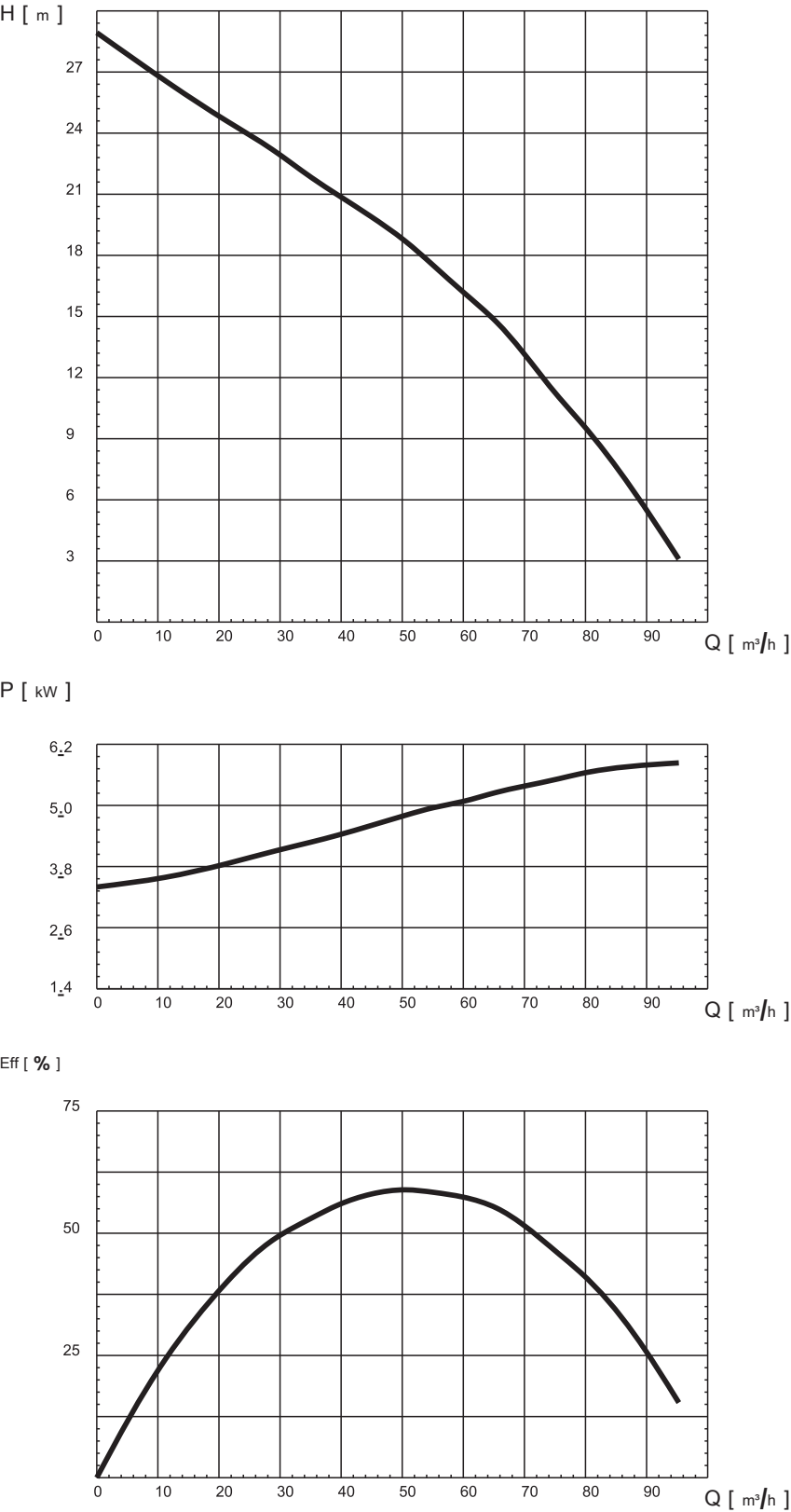
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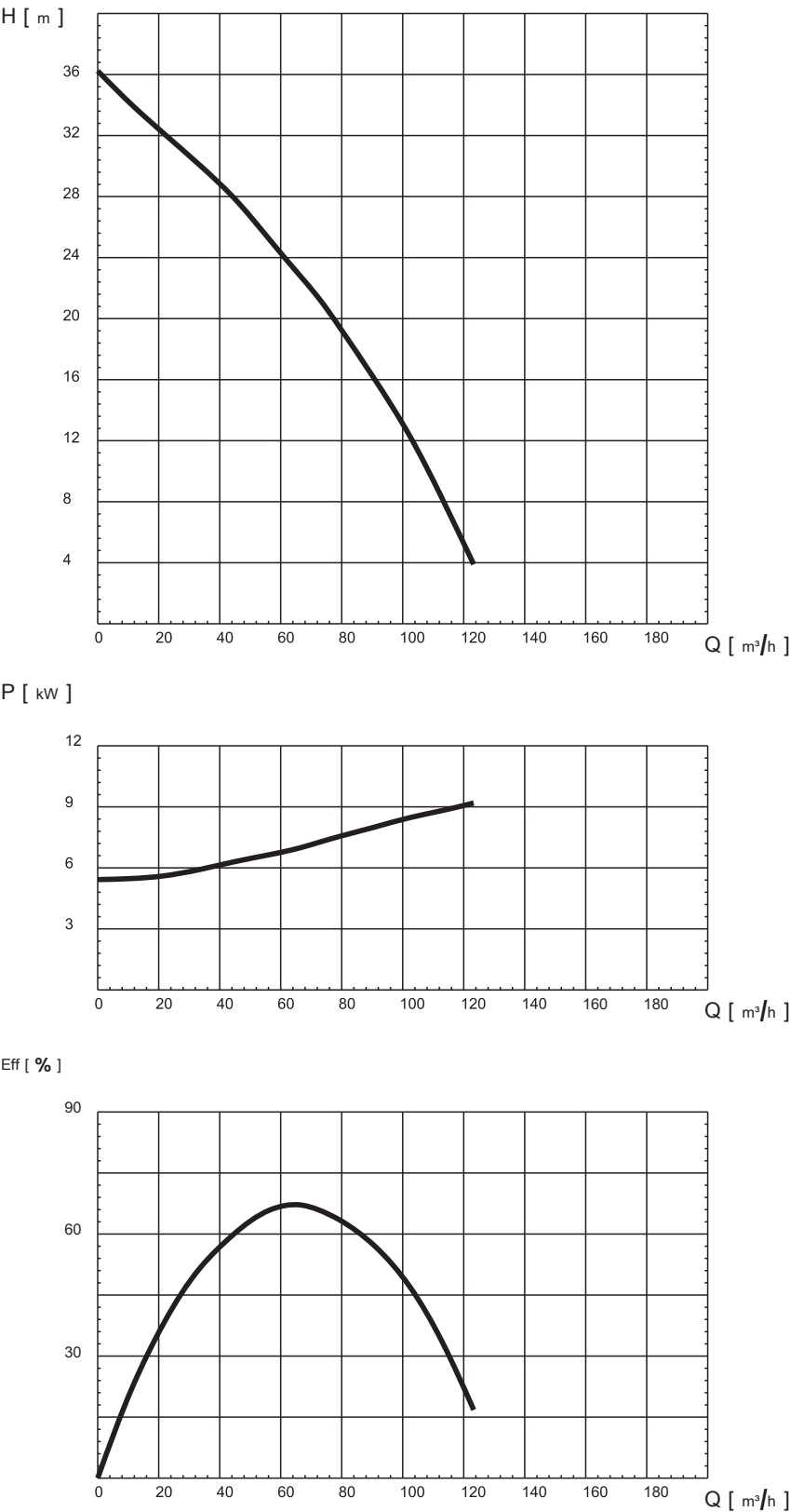
MS65-25-7.5



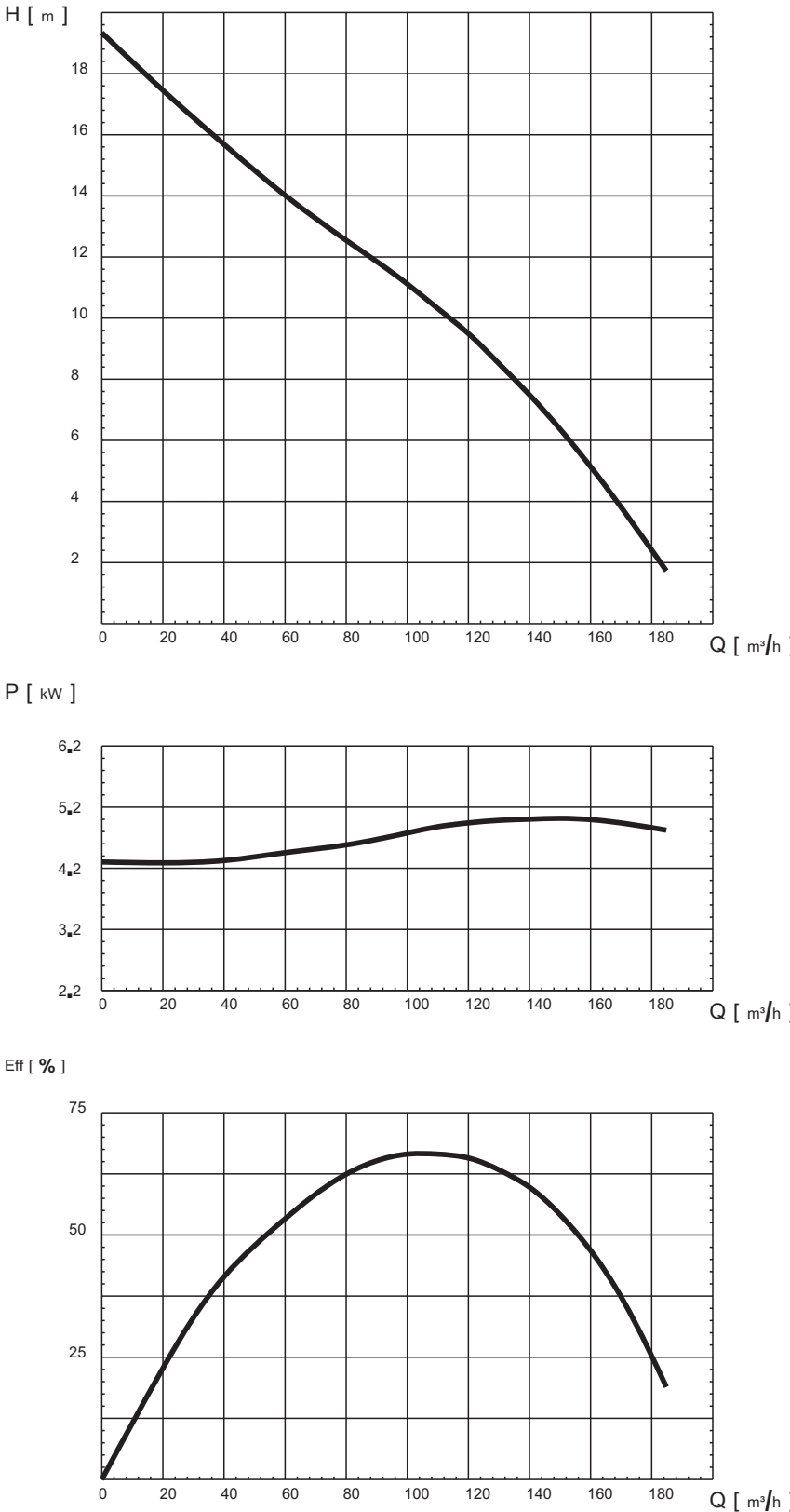
MS70-13-5.5



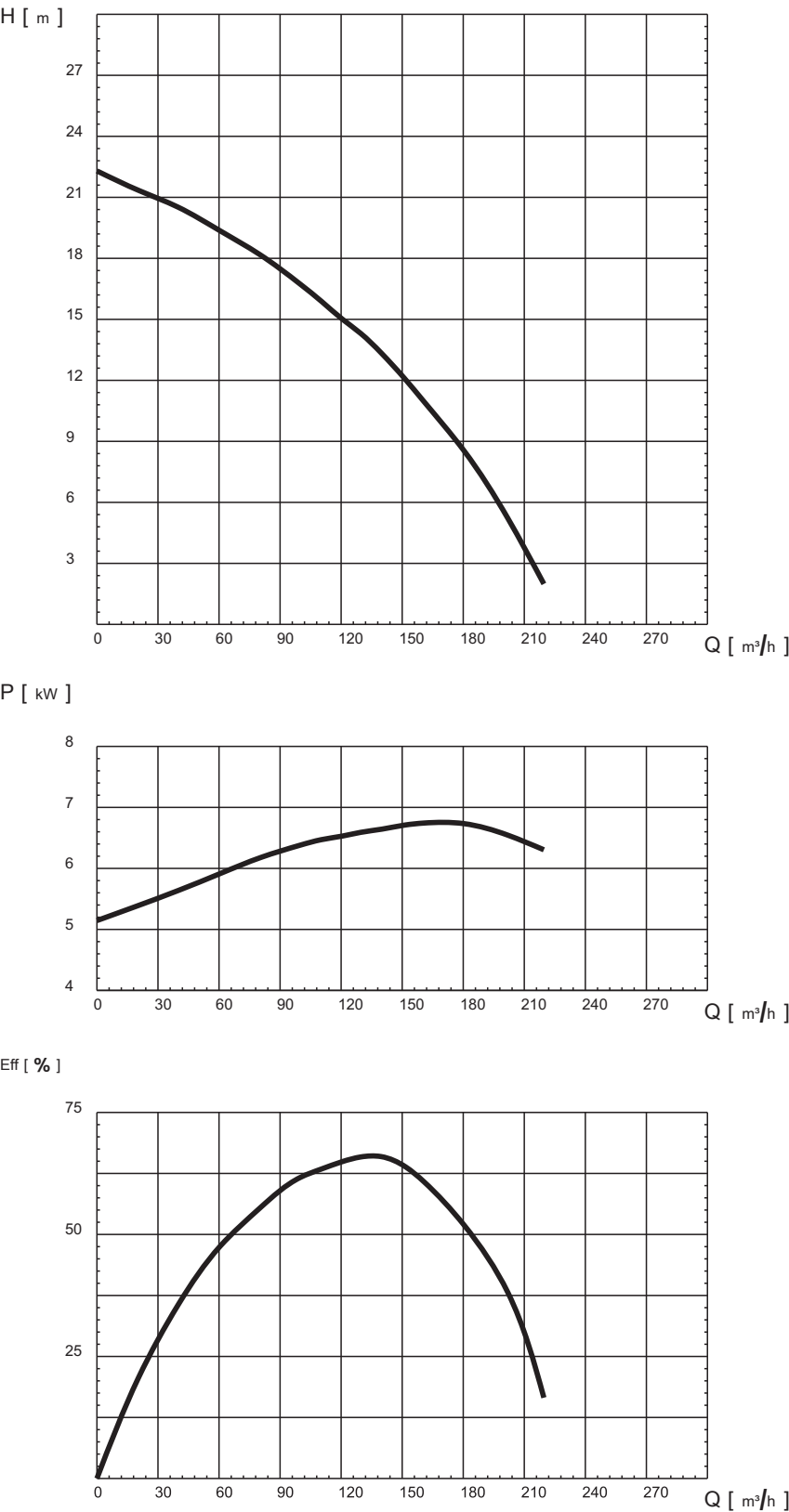
MS80-13-7.5



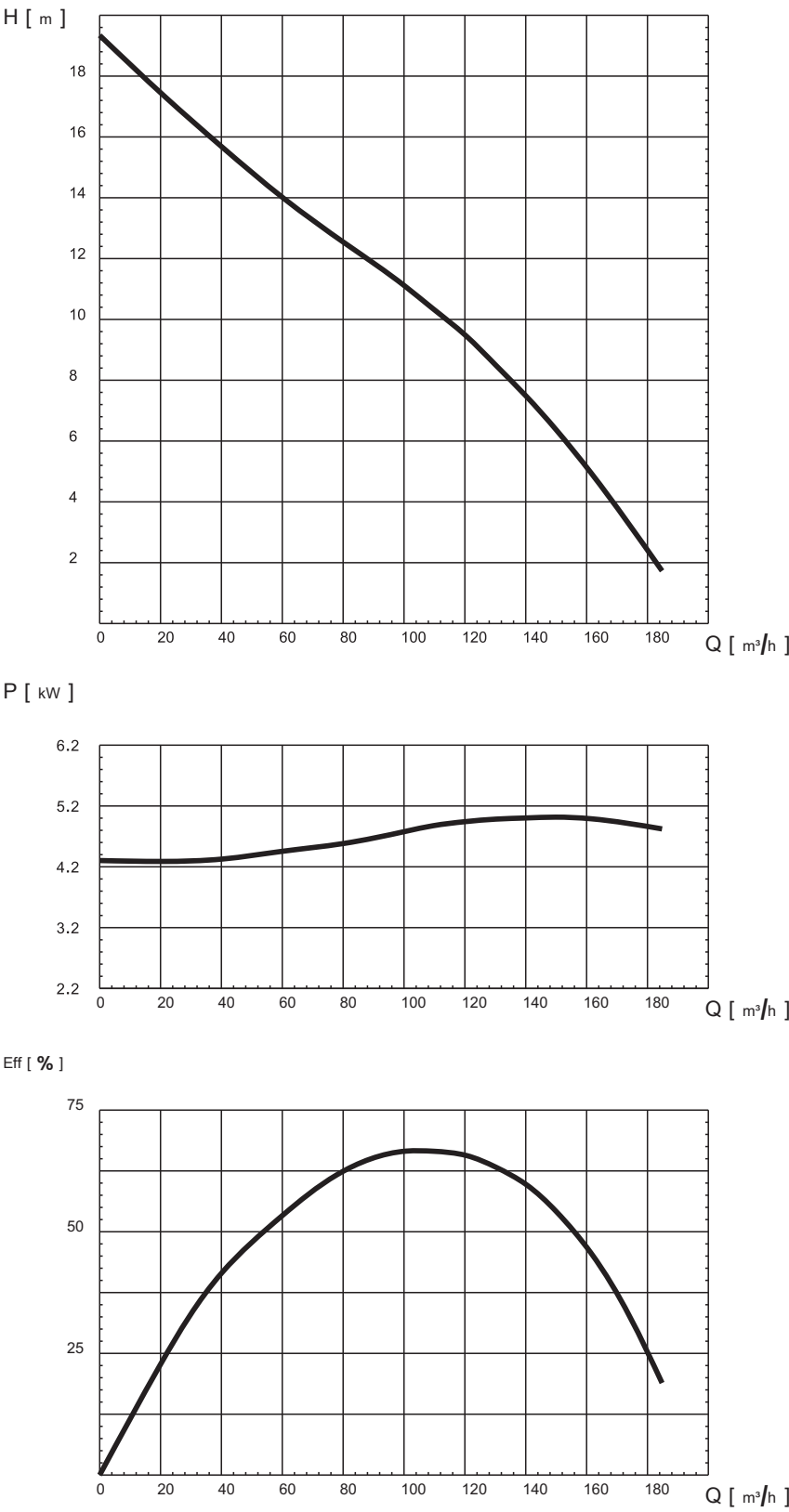
MS110-10-5.5



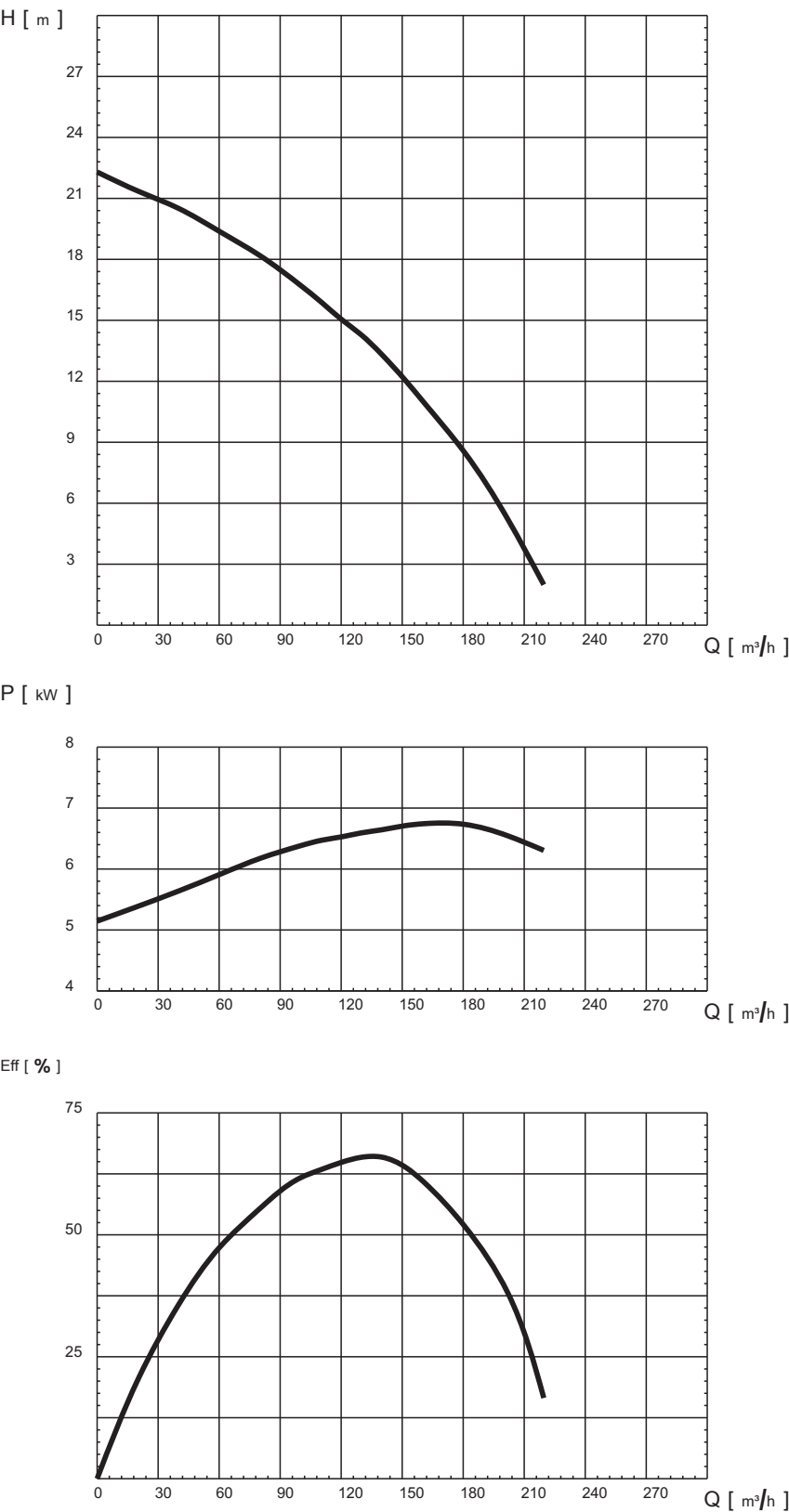
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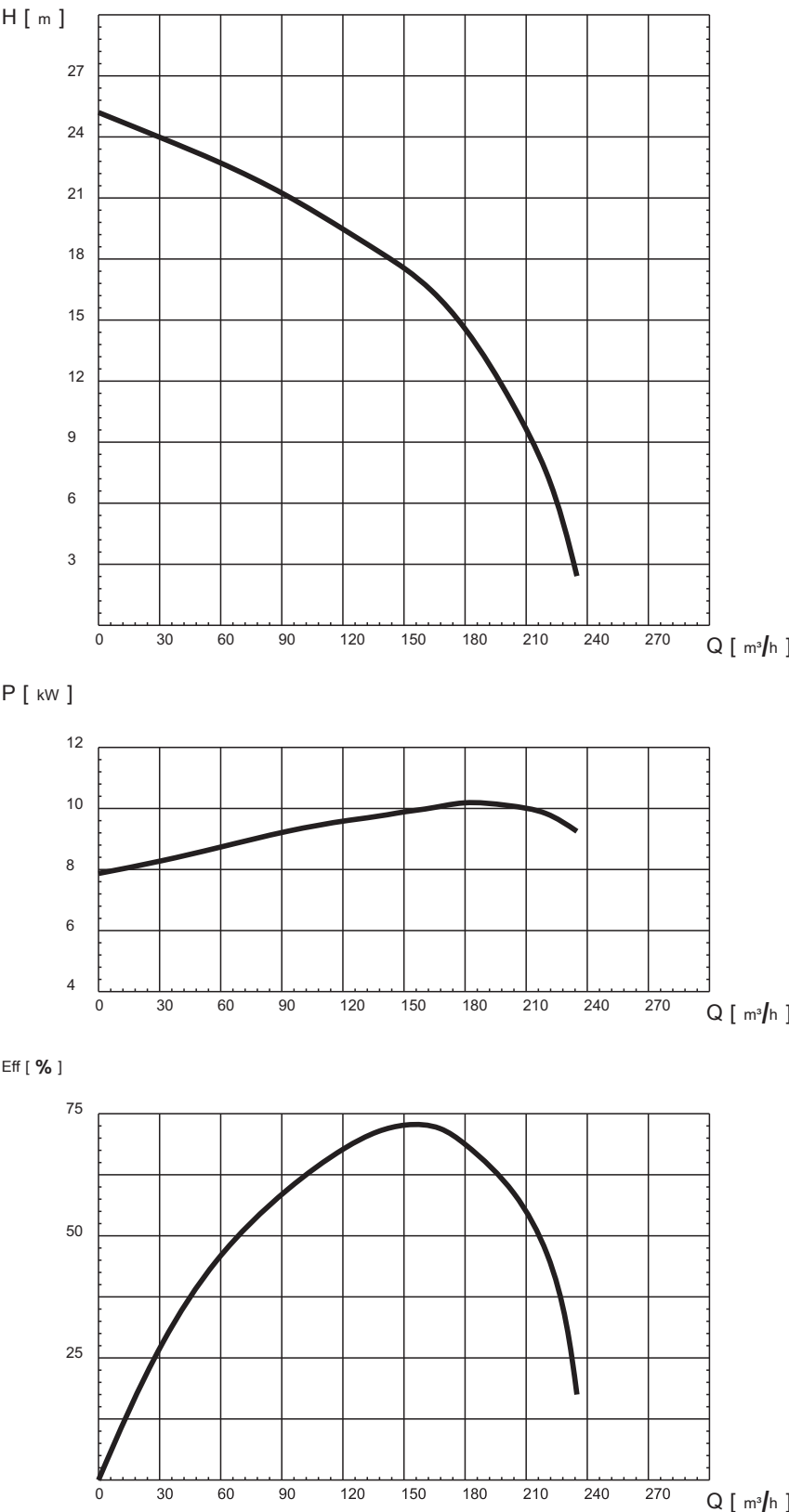
MS130-8-5.5



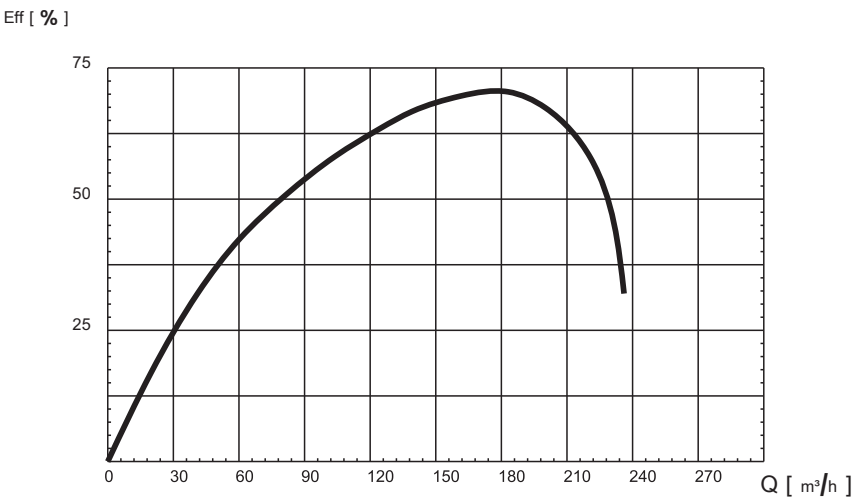
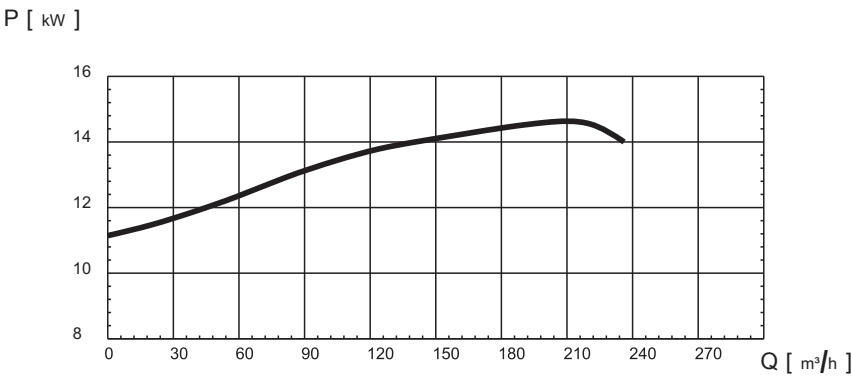
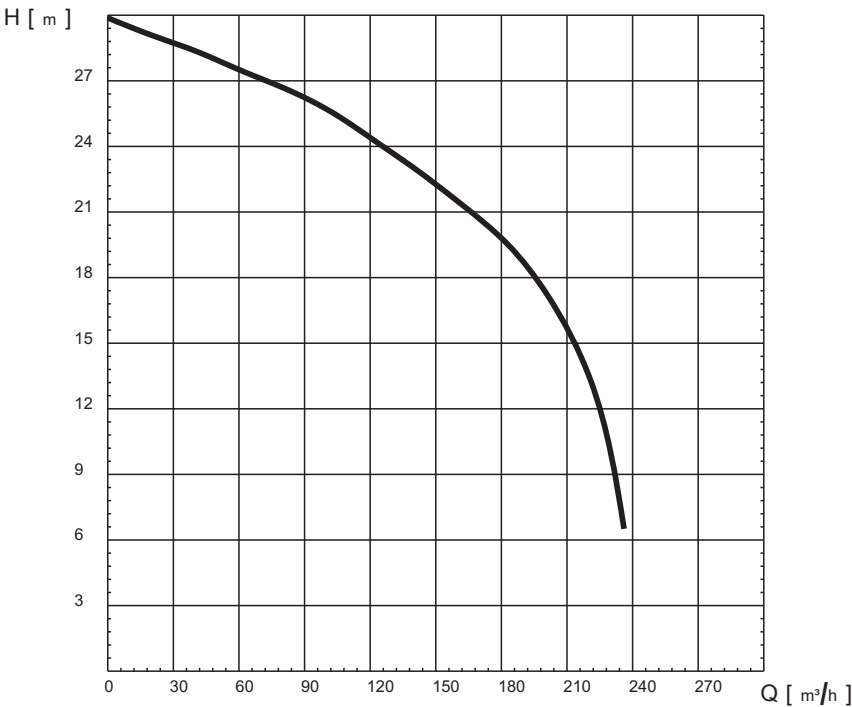
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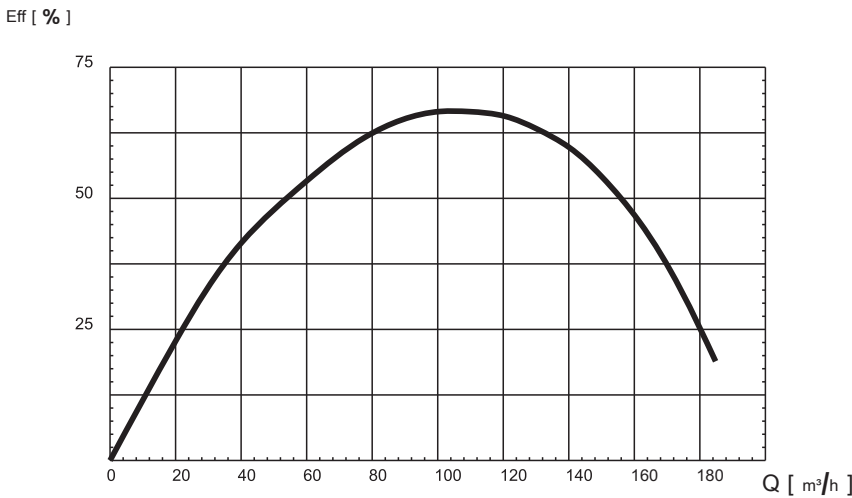
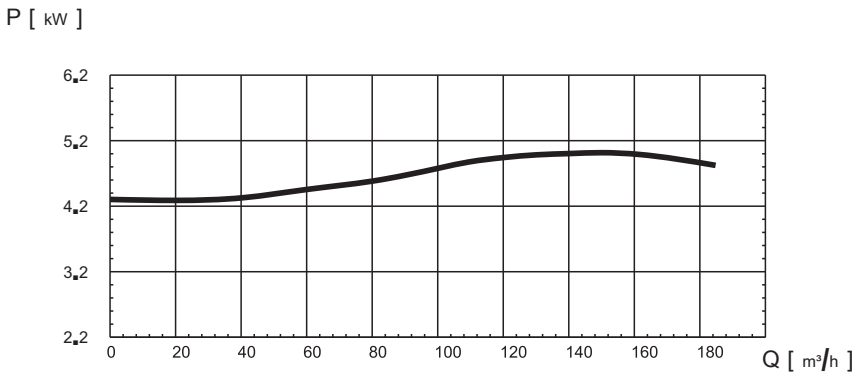
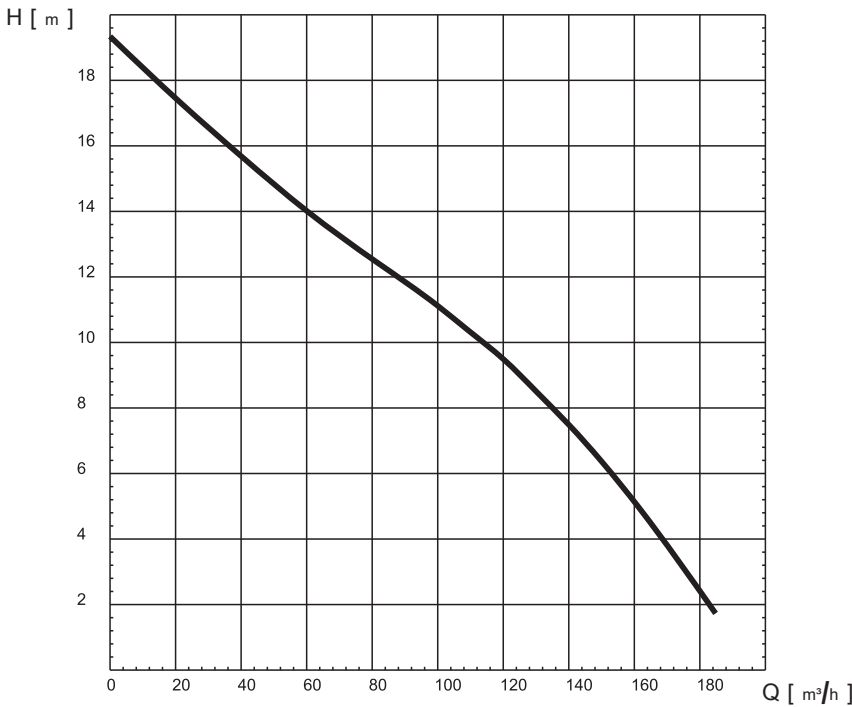
MS130-18-11



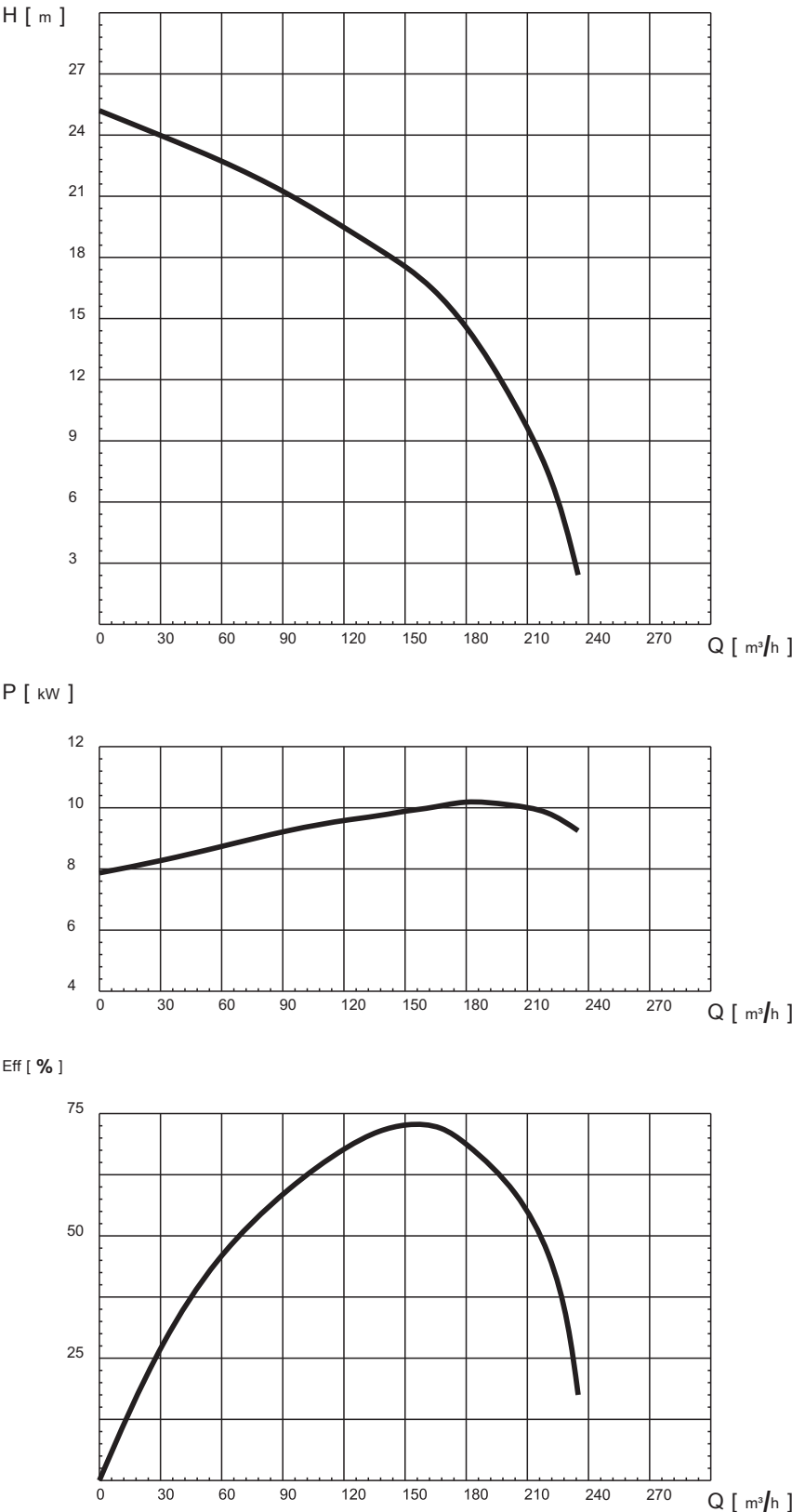
MS140-23-15



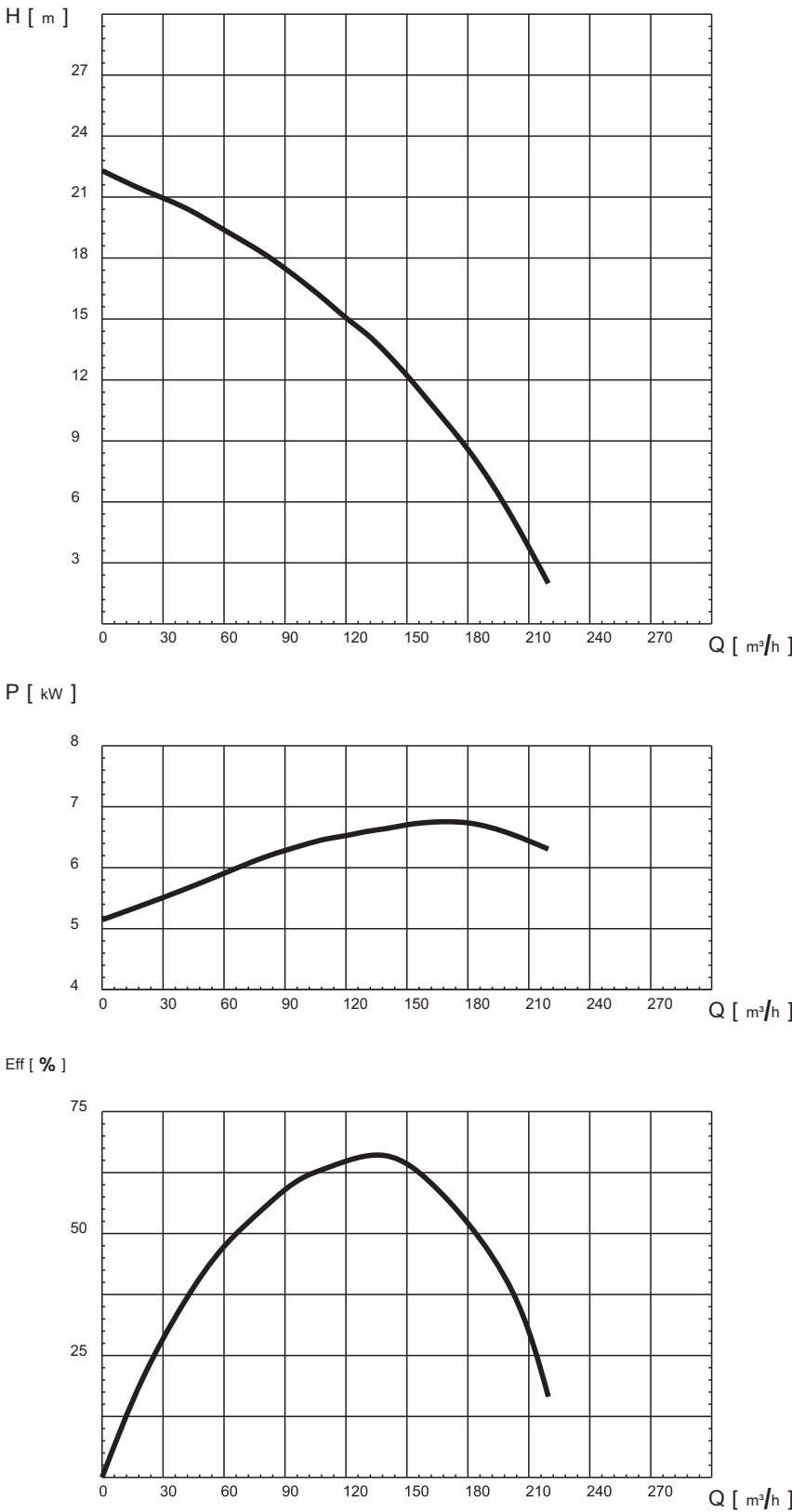
MS150-6-5.5



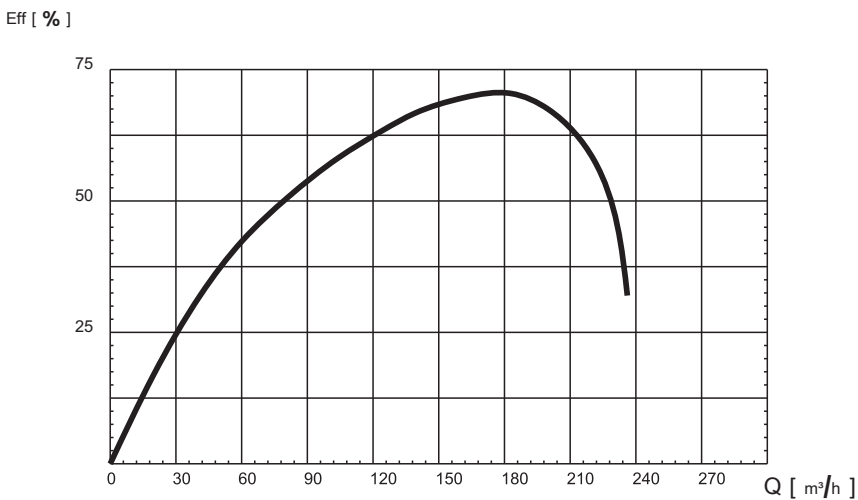
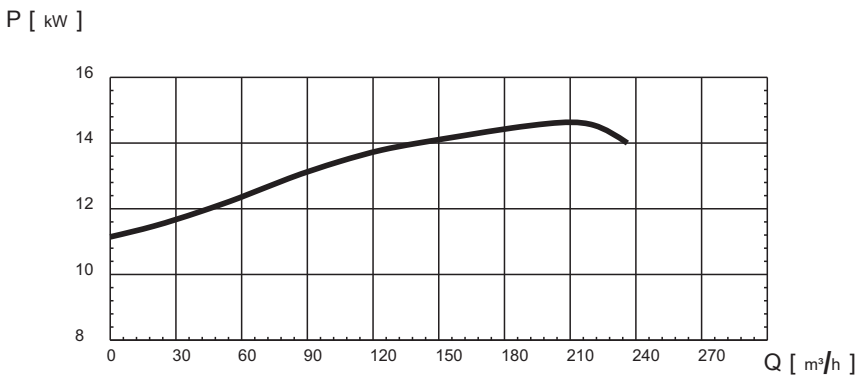
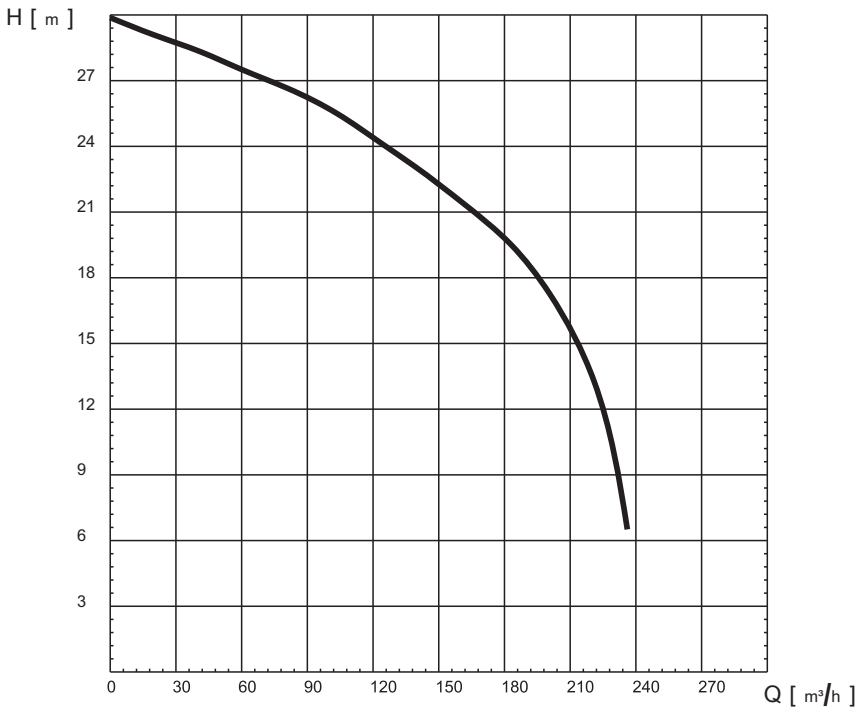
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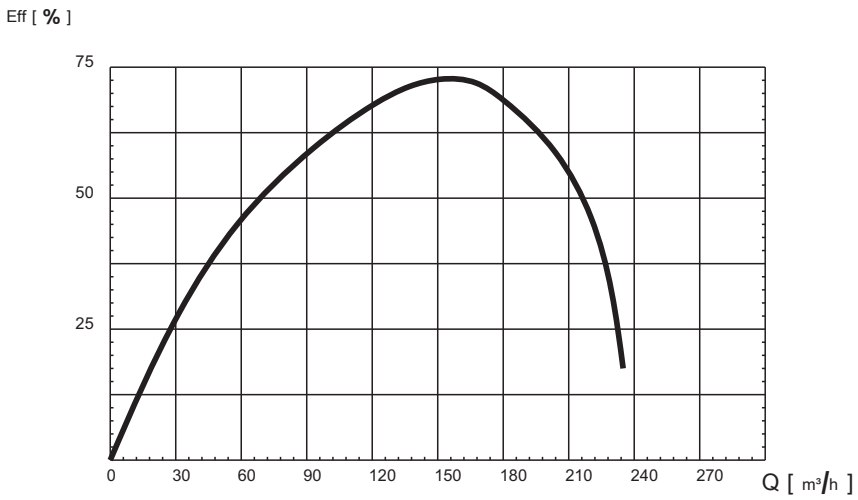
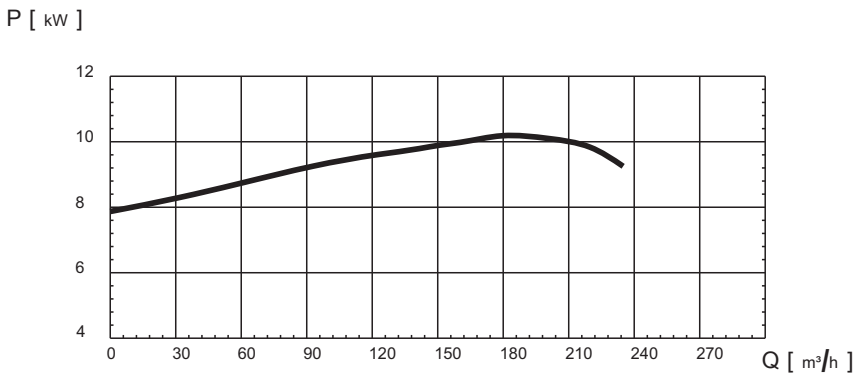
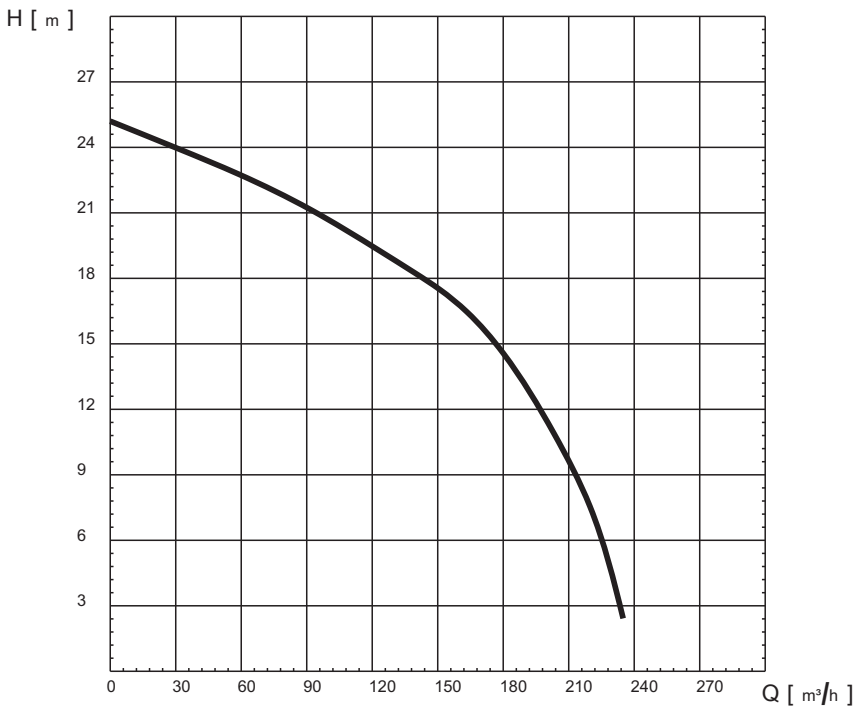
MS160-10-7.5



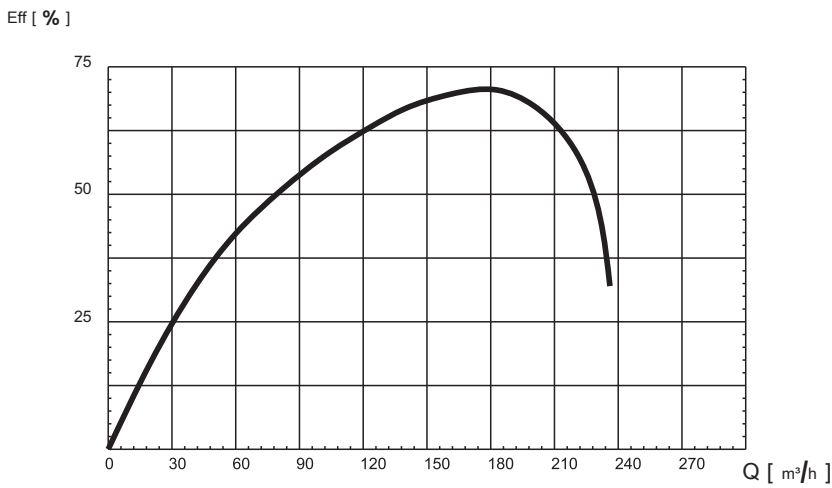
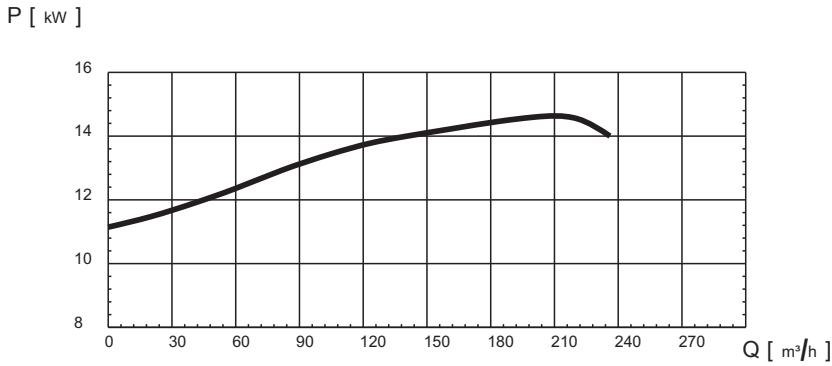
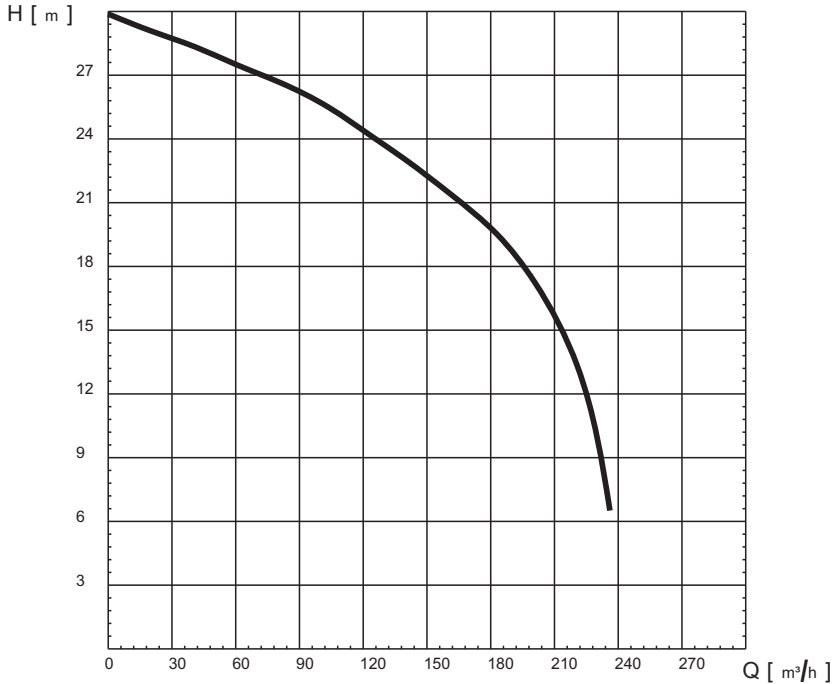
MS160-21-15



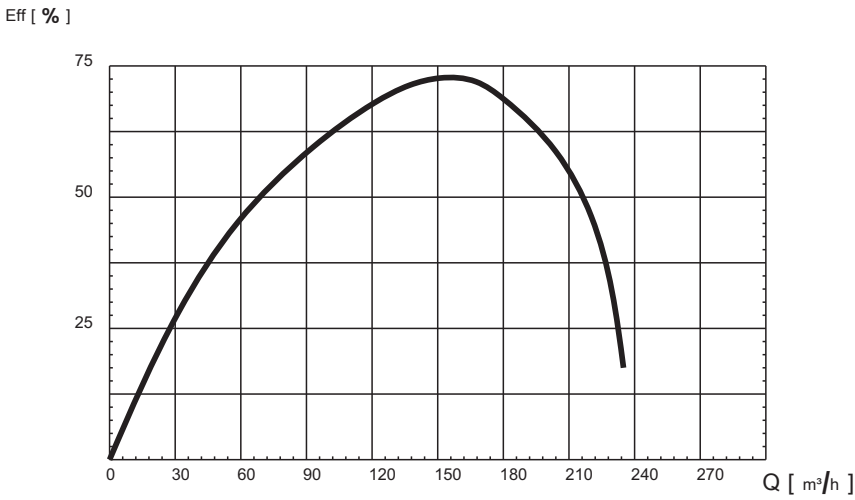
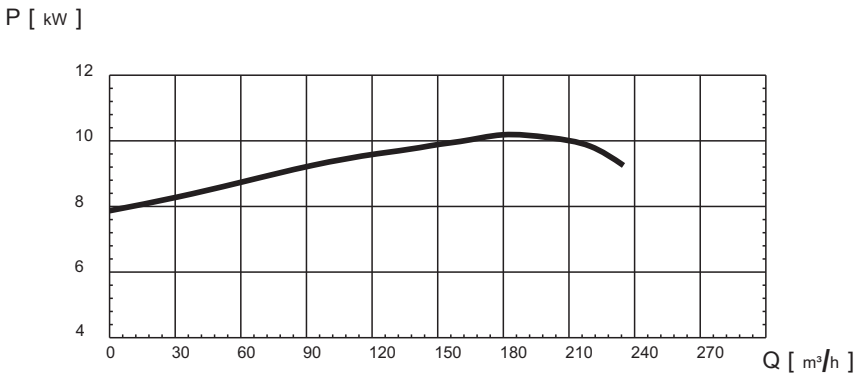
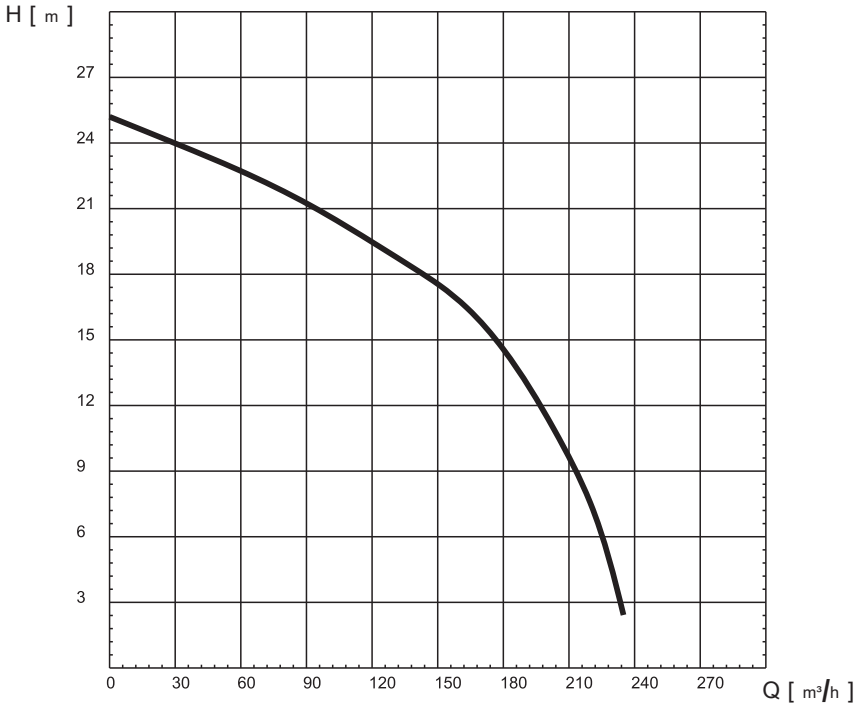
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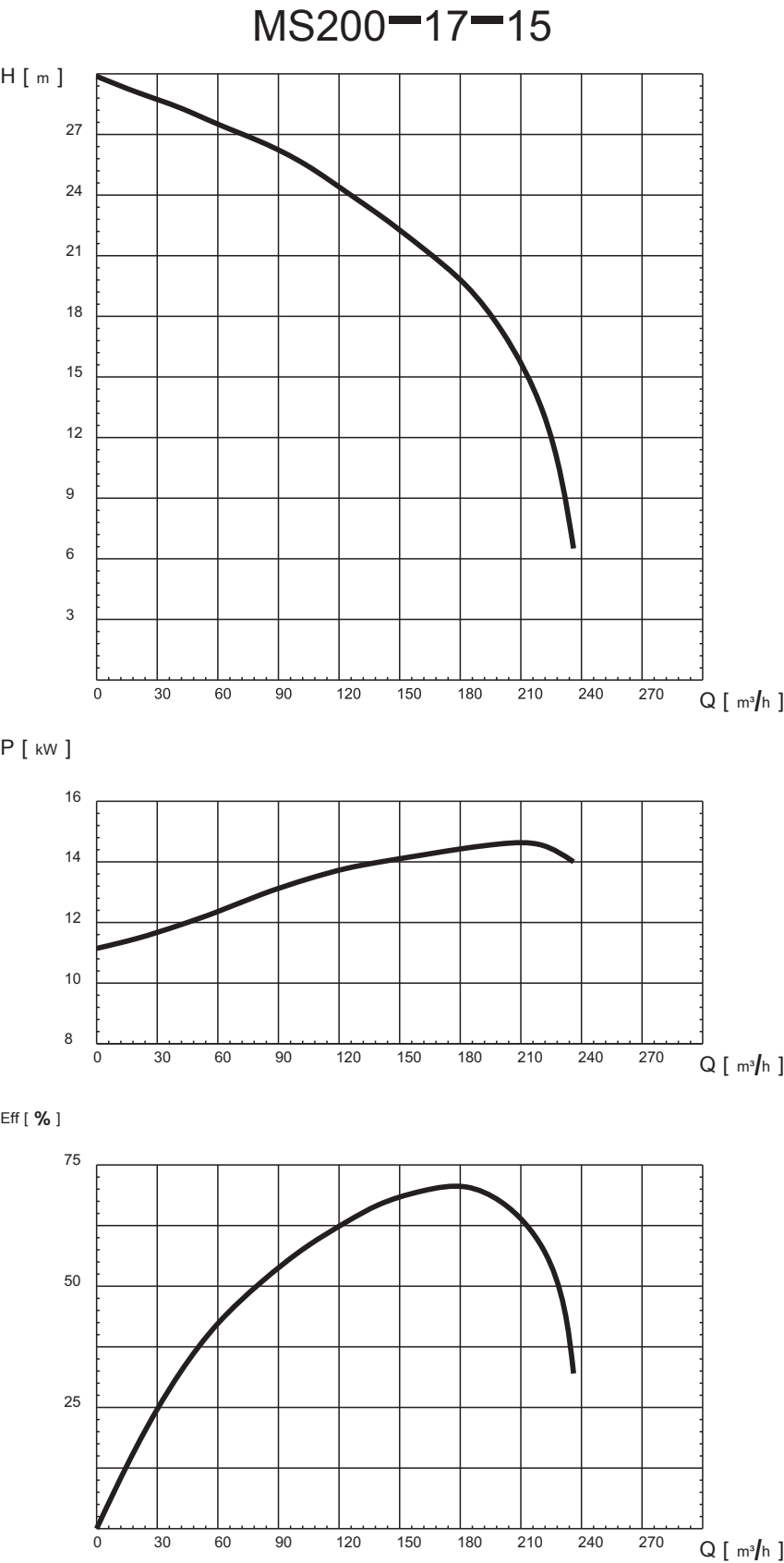


MS180-20-15



MS200-11-11





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