



MAGNA3

More than a pump

Full range of intelligent, high-efficiency circulators for heating, cooling, ground source heat pump systems and domestic hot water applications.

be
think
innovate

GRUNDFOS 



More than a pump

MAGNA3 is a range of medium and large circulator pumps complete with electronically controlled motors based on permanent magnet (PM) and compact stator technology.

The MAGNA3 range is designed for circulating liquids in:

- Heating systems
- Air conditioning and cooling systems
- Domestic water systems
- Ground-source heat pump systems
- Solar heating systems.

With the MAGNA3 choosing the best setting is simple – simply install the pump and leave it on the factory AUTOADAPT setting. The pump will then analyse the heating system demands and find the optimum setting. It will then continuously adjust its operation to deal with changing system demands.

The new pump also encompasses some new and unique features:

FLOWLIMIT: the MAGNA3 features a facility to limit maximum flow. There is no need therefore to use a balancing valve on the main flow and return pipe.

FLOWADAPT: this combines the benefits of both the FLOWLIMIT and AUTOADAPT functions together.

Heat energy meter: the MAGNA3 features a built-in heat energy meter. By fitting a separate temperature sensor in the return pipe the energy consumption in the system can be monitored and logged in the MAGNA3. This allows end users to monitor their energy consumption in order to avoid excessive energy bills caused by poor system balance and potential problems with system controls.

In addition the MAGNA3 is the most efficient circulator available to the market today. With an Energy Efficiency Index (EEI) that already complies with the EuP 2015 requirements and can achieve savings of up to 75% compared to a typical installed circulator.

Full range – perfect fit

With a wide range of different single and twin head options covering even more duties, specifying for HVAC applications has never been easier. The extended range offers a maximum head of 18m and maximum flow of 70m³/h (140 m³/h for twin head models), and a 6 to 16 bar system pressure.

These pumps are designed to handle liquids down to -10°C which makes them suitable for both tough industrial tasks and ground source heat systems. As the liquid temperature (-10°C to +110°C) is now independent of the ambient temperature (0°C to +40°C) ensuring the MAGNA3 will be a perfect fit regardless if your project requires heating or cooling.

Features:

- AUTOADAPT
- FLOWADAPT and FLOWLIMIT
- Proportional pressure control
- Constant pressure control
- Constant temperature control
- Constant curve duty
- Max. or min. curve duty
- Automatic Night Setback
- No external motor protection
- Insulating heads supplied with single head pumps for heating systems
- Motor clamp

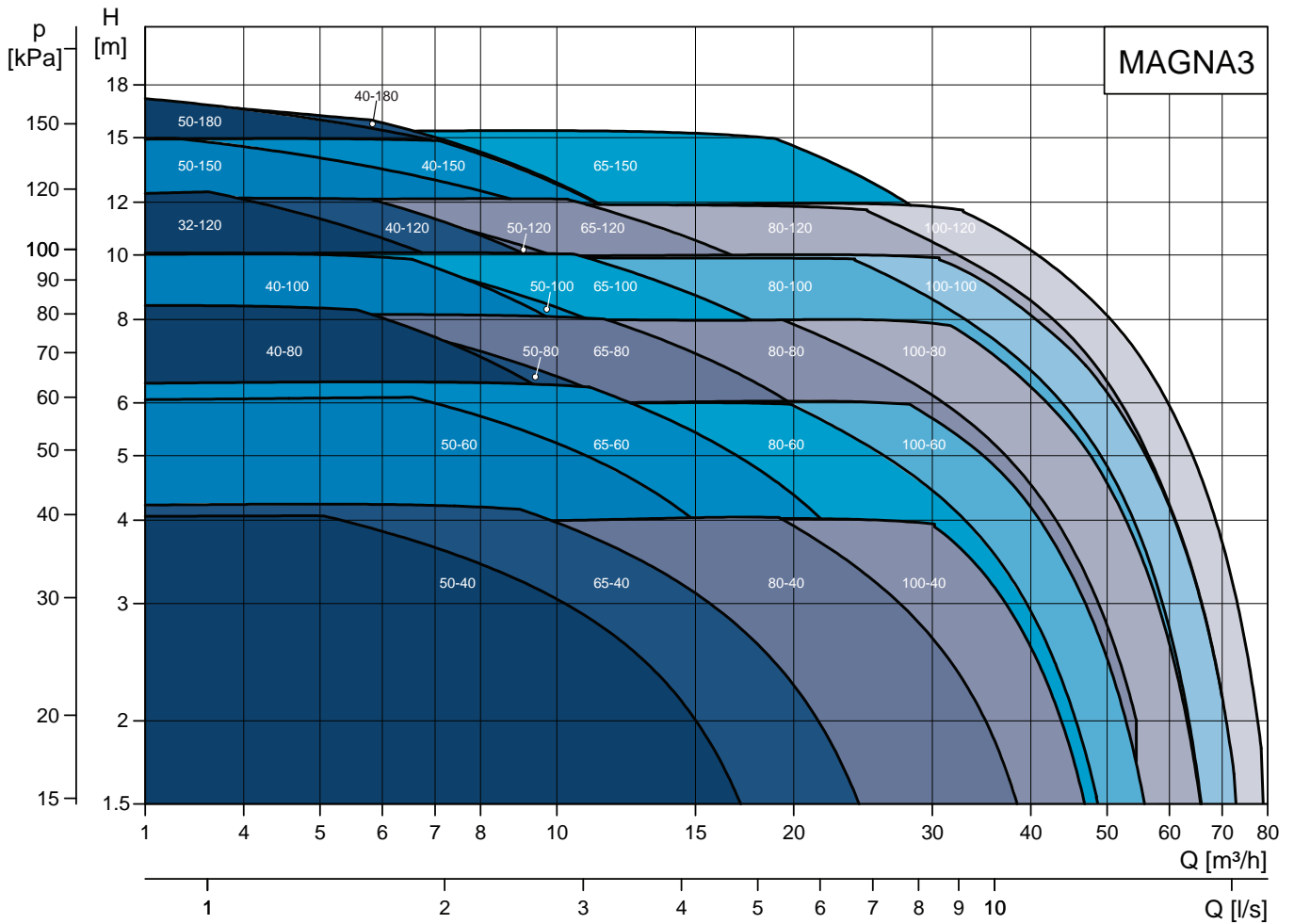
Benefits:

- Low energy consumption
- Built-in differential pressure and temperature sensor
- Simple installation
- Minimal maintenance and long life
- User interface and TFT display
- Self-explanatory, push-button control panel
- Work log history
- Easy system optimisation
- Heat energy meter function
- Multi pump function
- External control and monitoring enabled via add-on modules
- Range is available for system pressures of 6, 10 and 16 bar

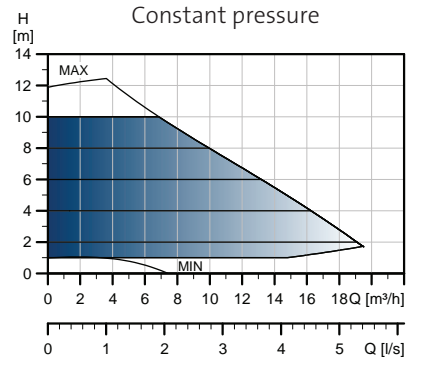
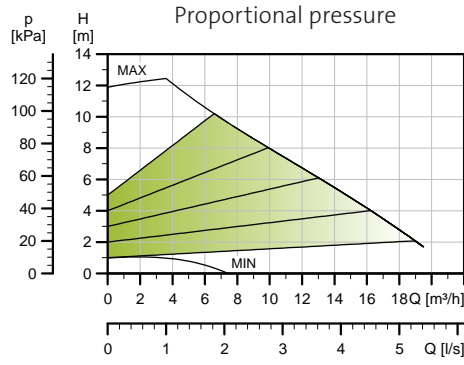
Type Key

Code	Example	MAGNA3	(D)	80	-120	(F)	(N)	280
	Type range MAGNA3							
D	Single-head pump Twin-head pump							
	Nominal diameter (DN) of suction and discharge ports [mm]							
	Maximum head [dm]							
F	Pipe connection Flange							
N	Pump housing material Cast iron Stainless steel							
	Port-to-port length [mm]							

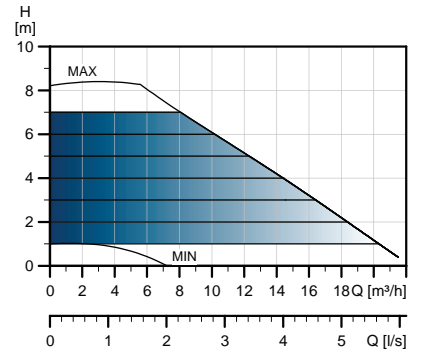
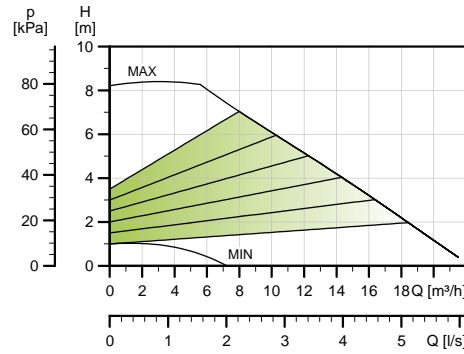
Performance range MAGNA3



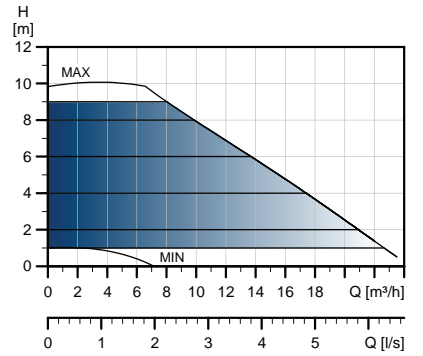
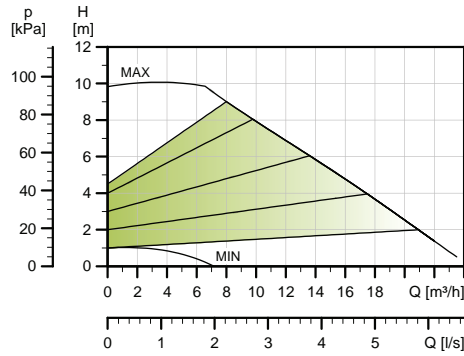
MAGNA3 32-120 F (N)



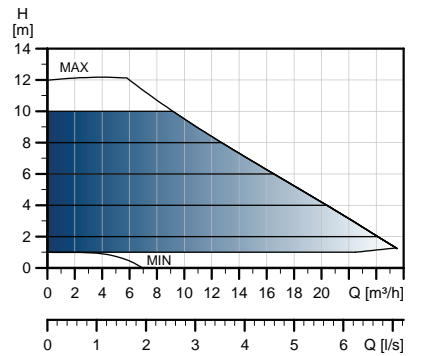
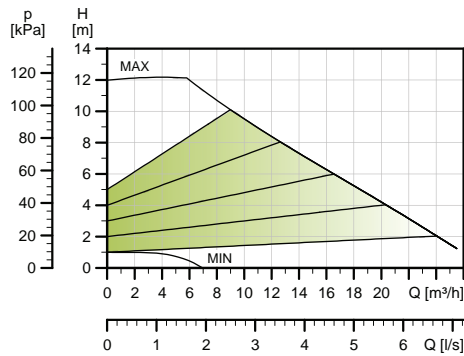
MAGNA3 40-80 F (N)



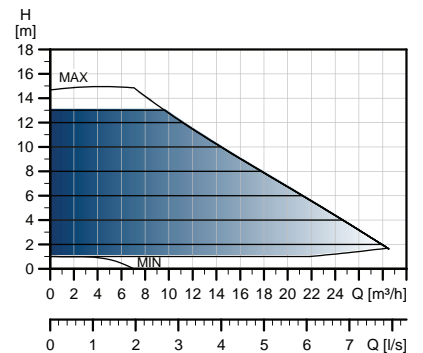
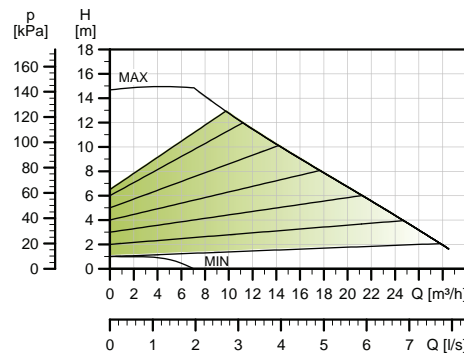
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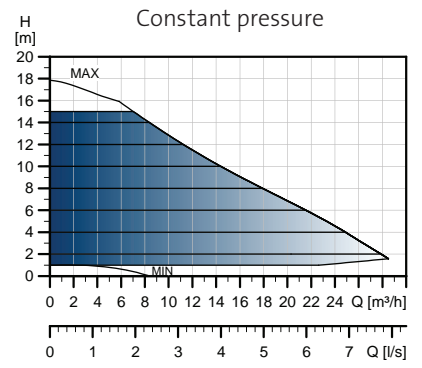
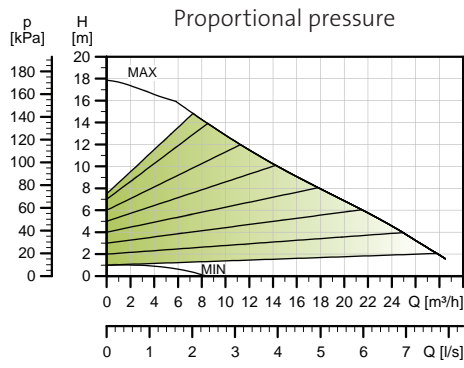
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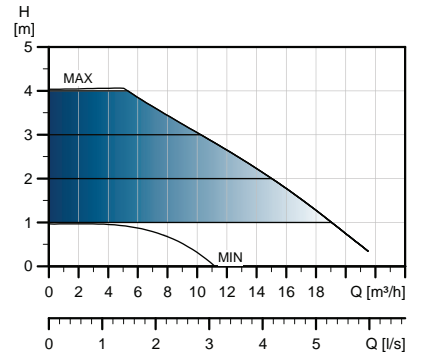
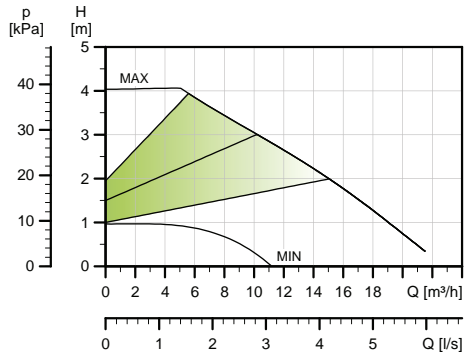
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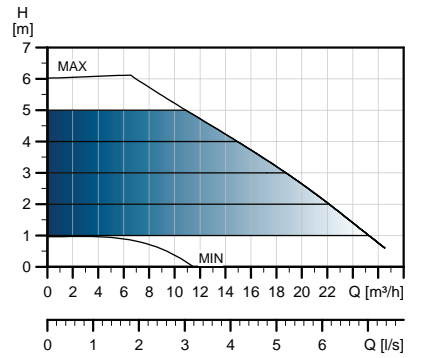
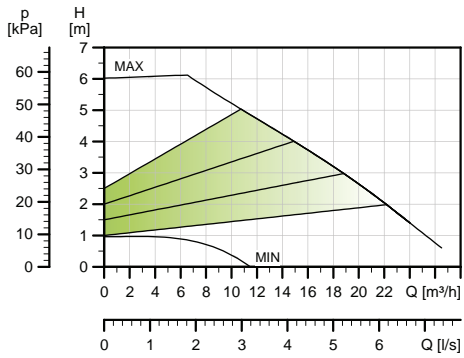
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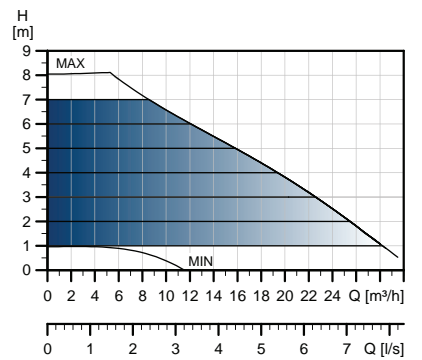
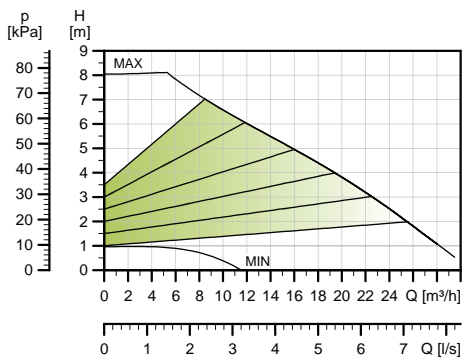
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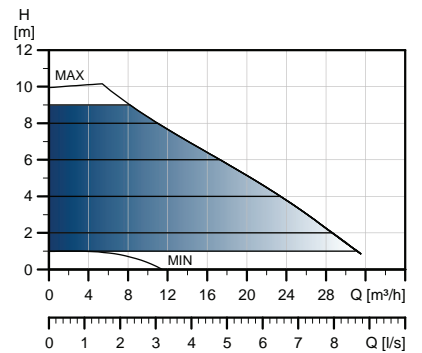
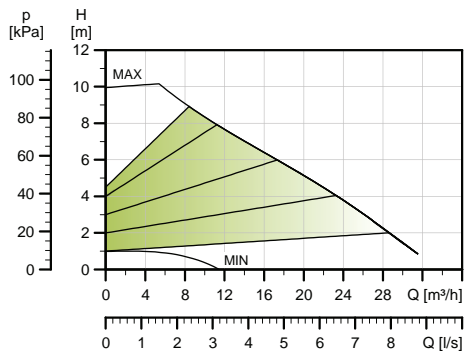
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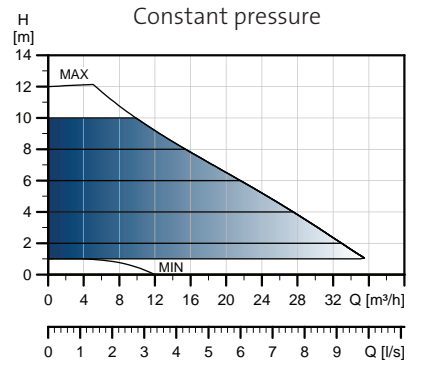
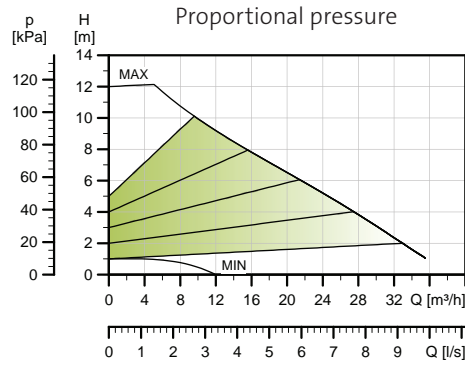
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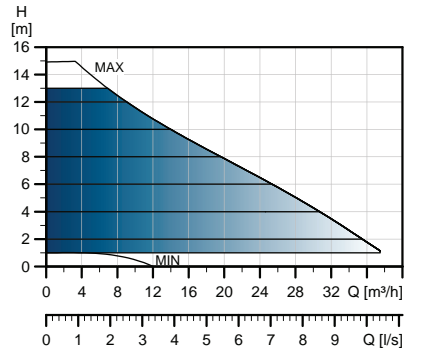
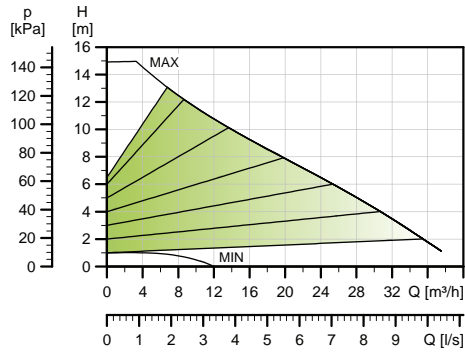
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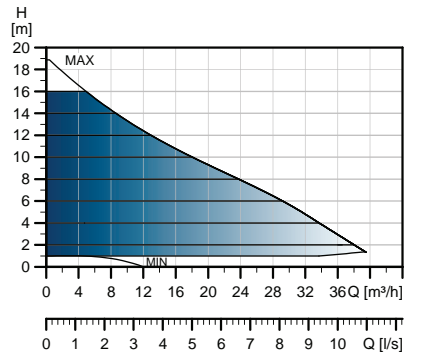
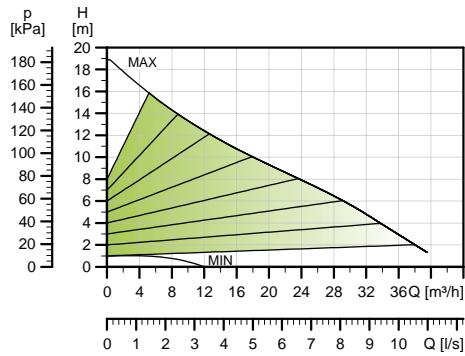
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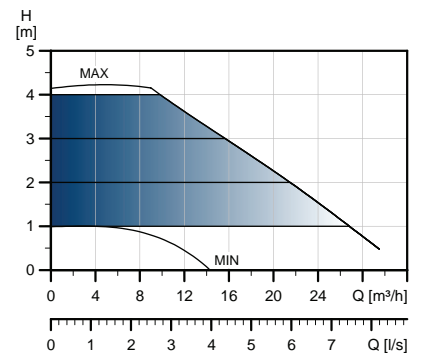
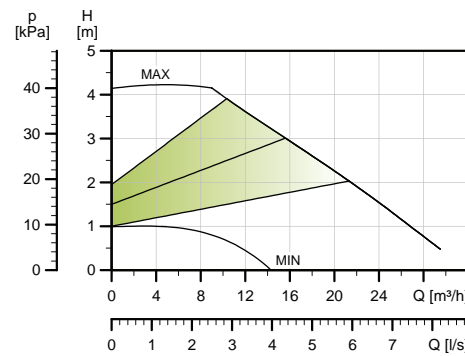
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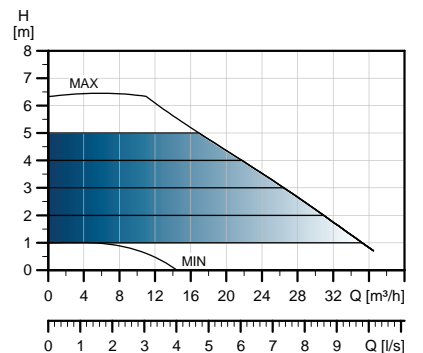
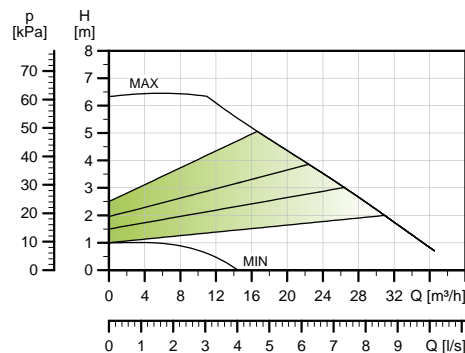
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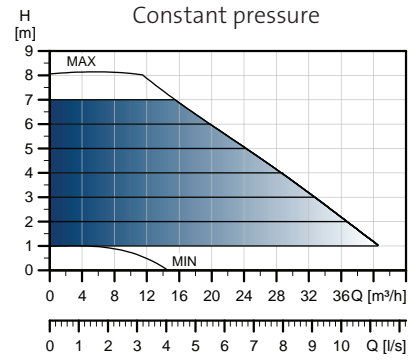
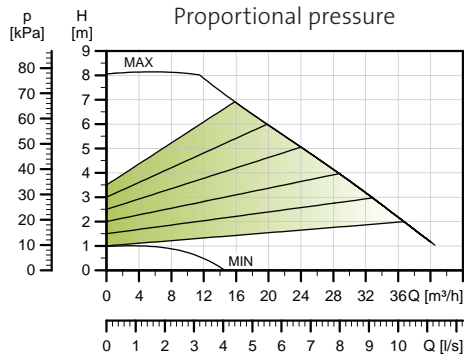
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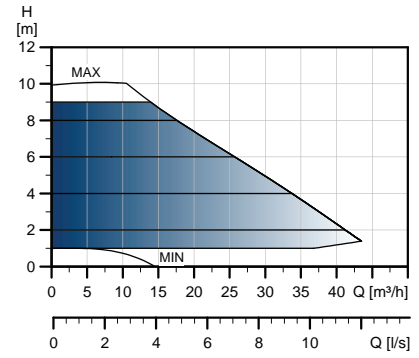
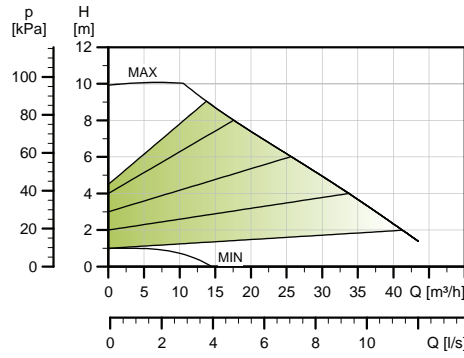
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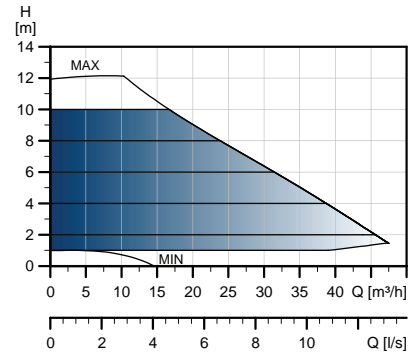
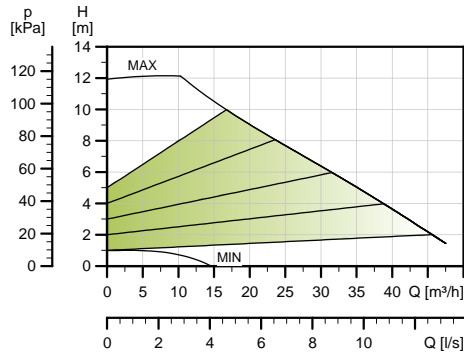
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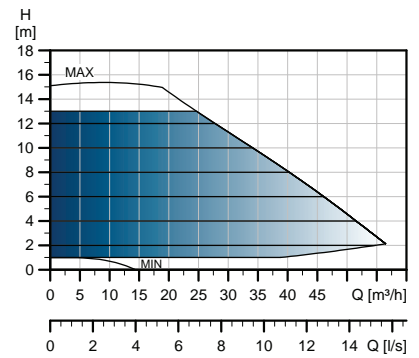
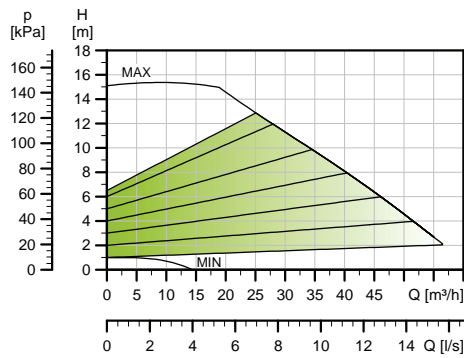
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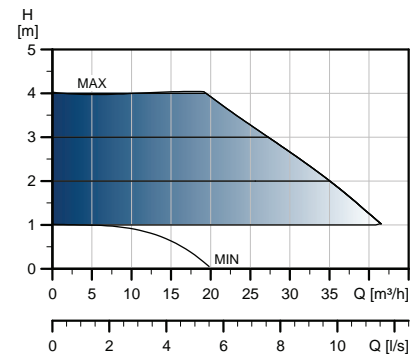
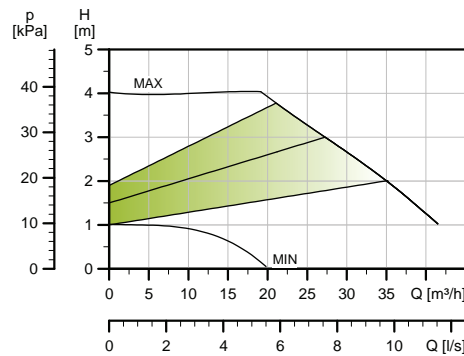
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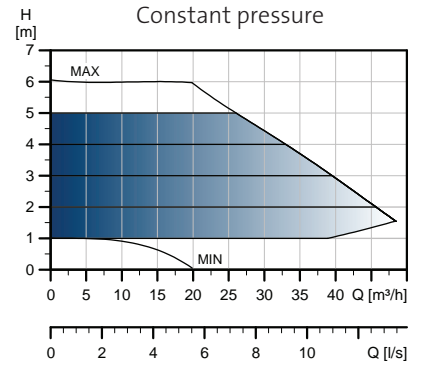
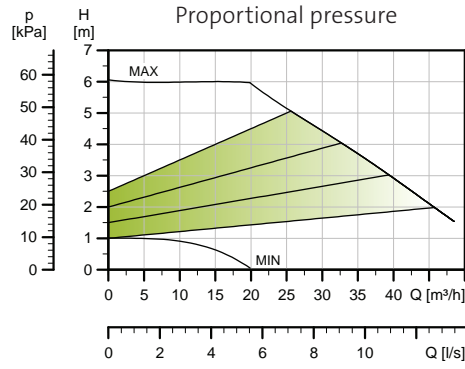
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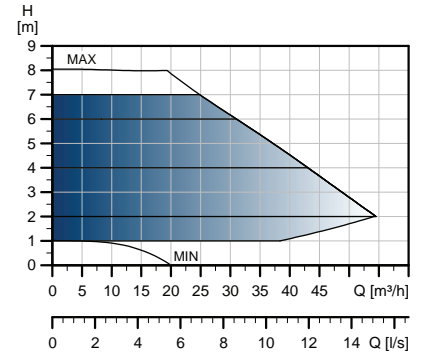
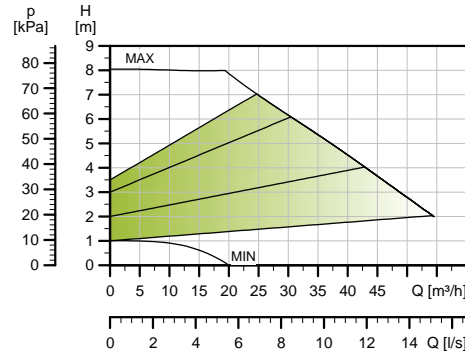
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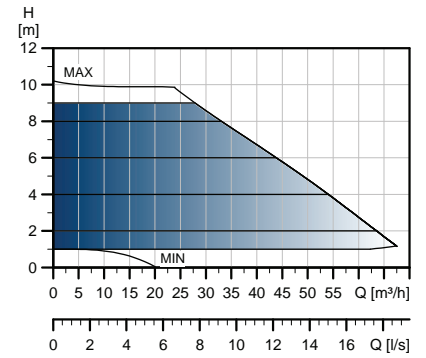
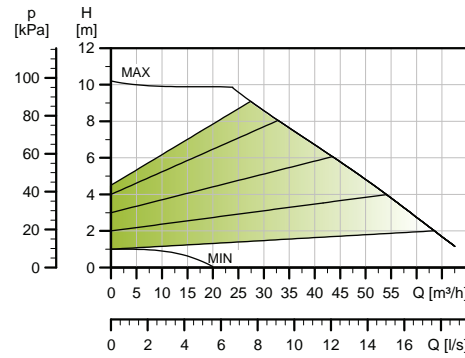
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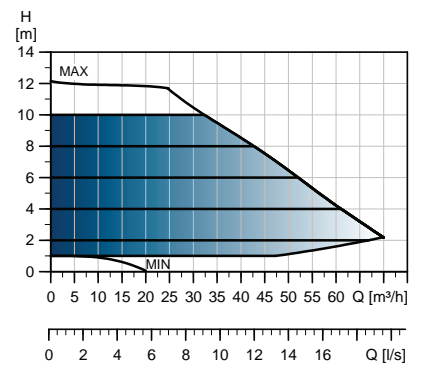
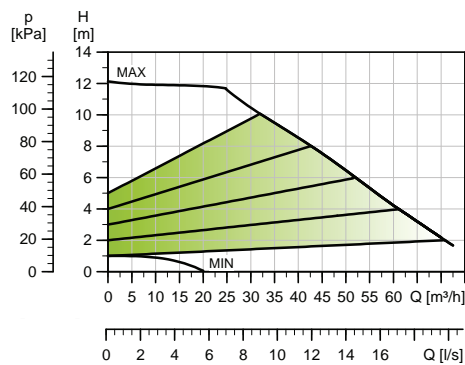
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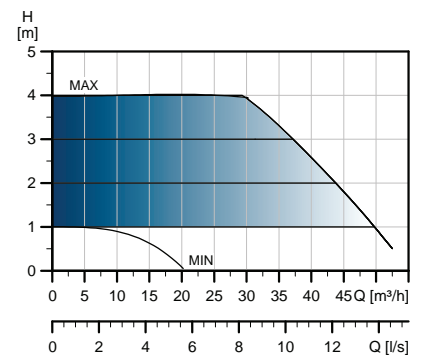
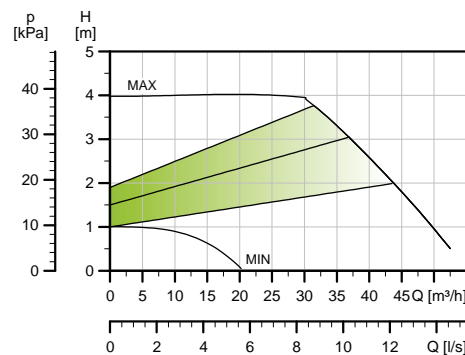
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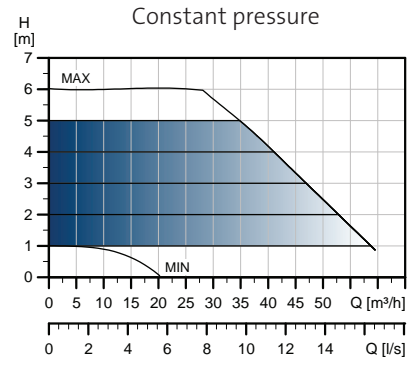
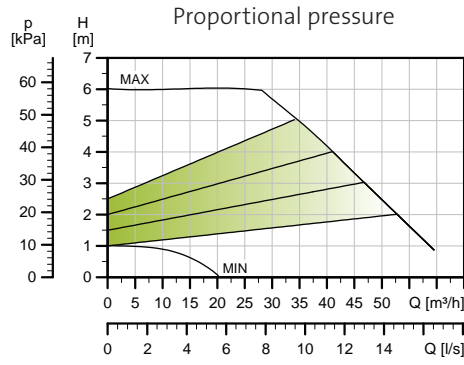
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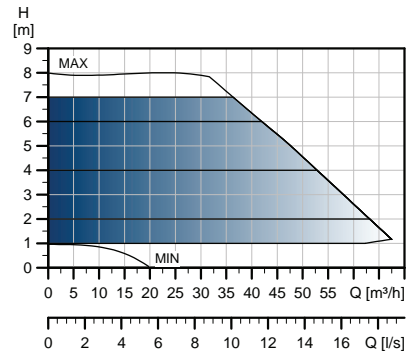
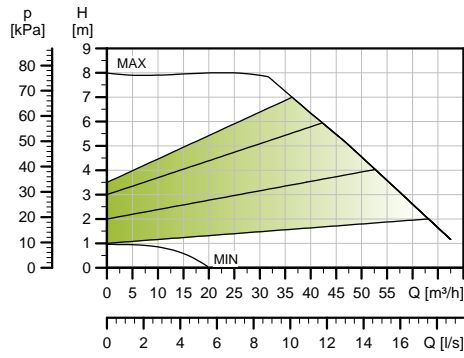
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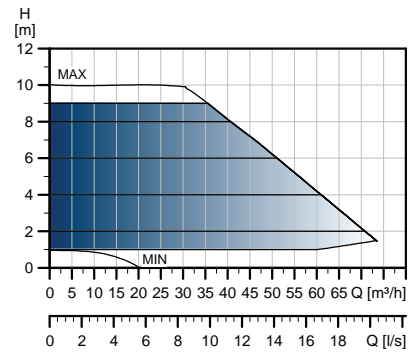
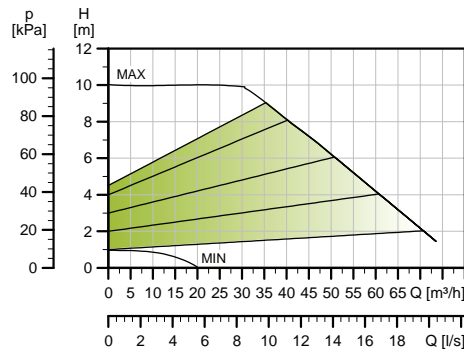
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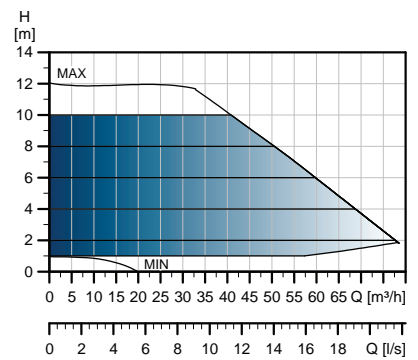
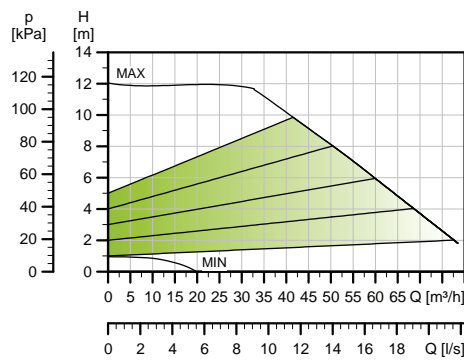
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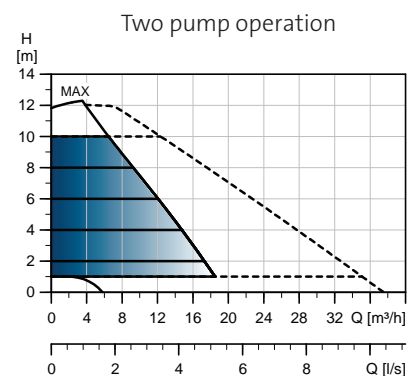
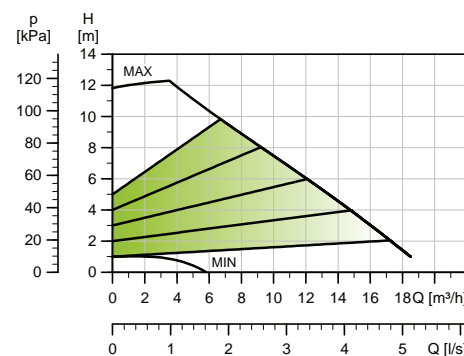
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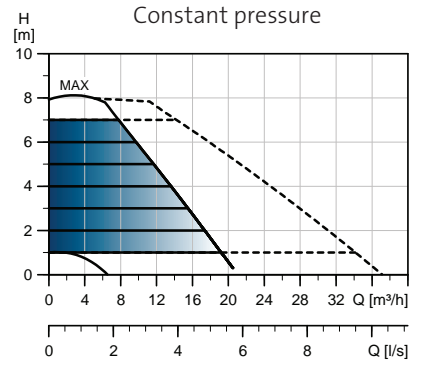
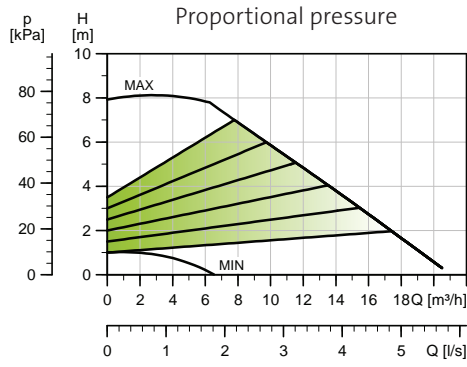
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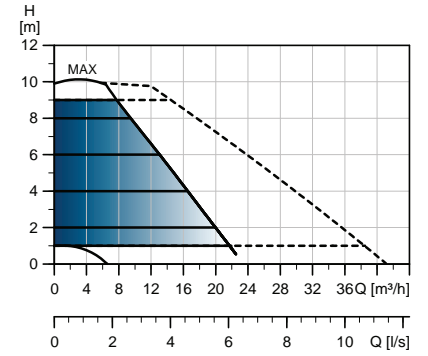
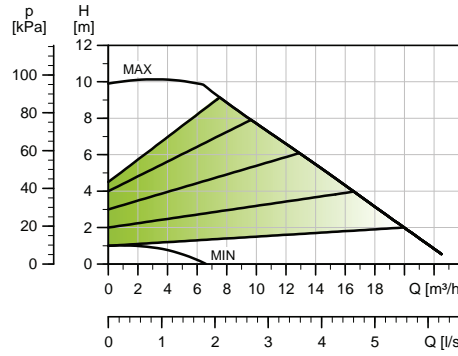
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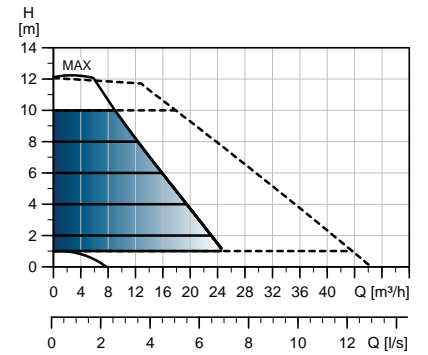
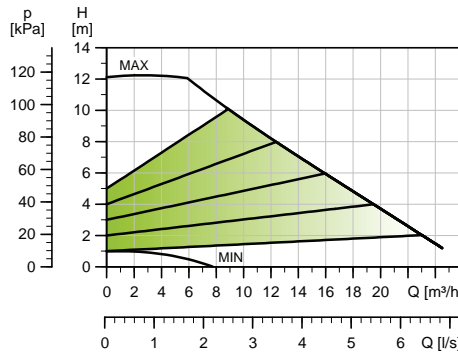
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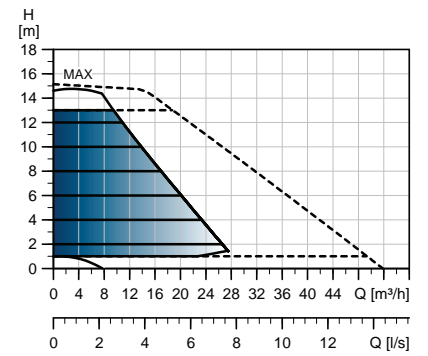
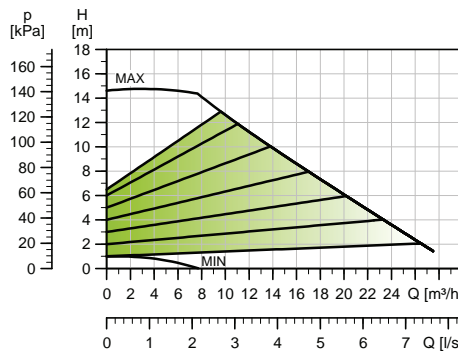
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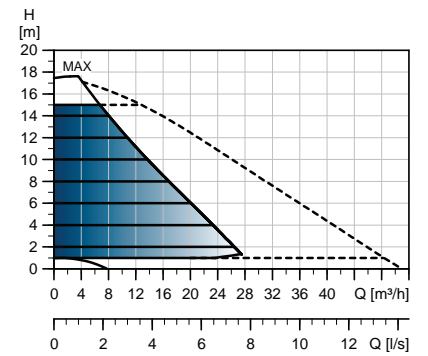
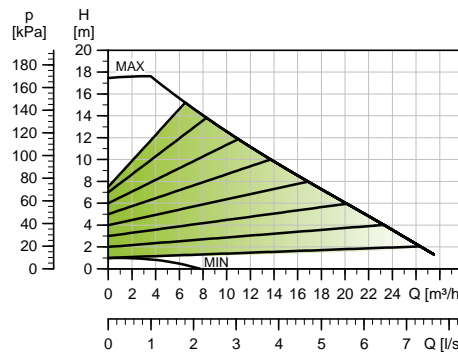
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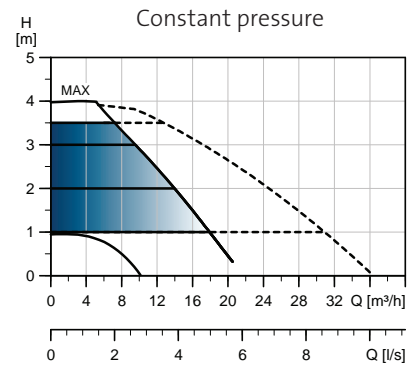
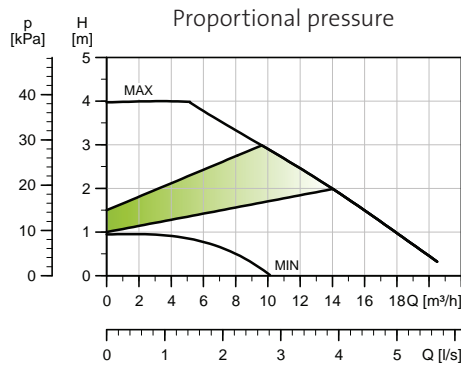
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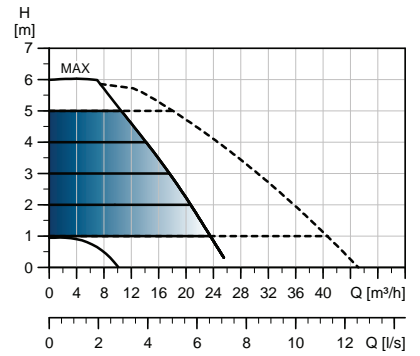
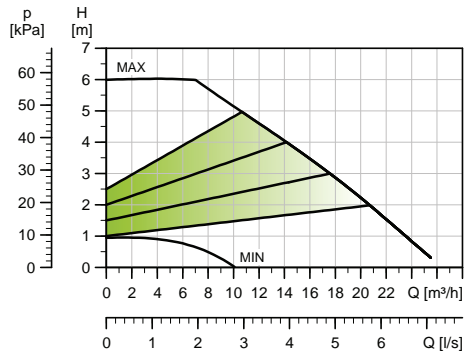
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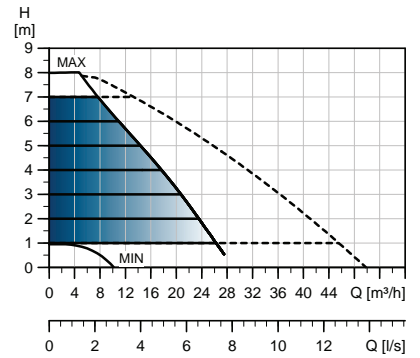
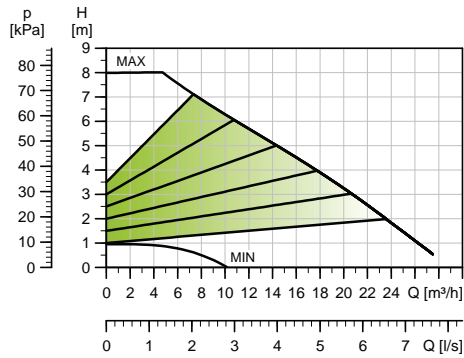
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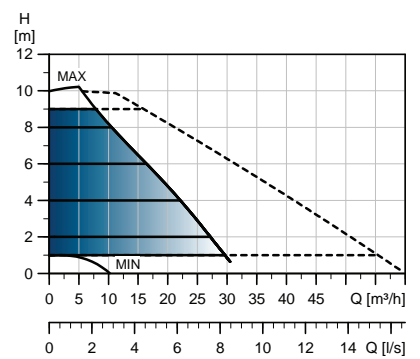
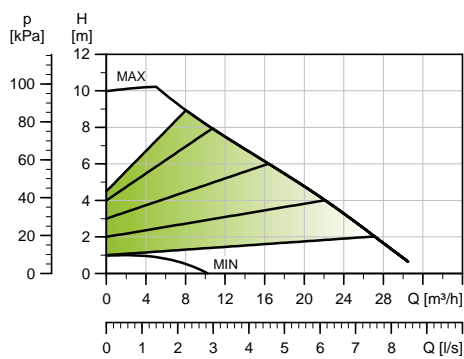
MAGNA3 D 50-60 F



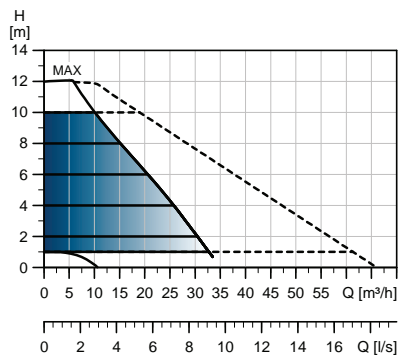
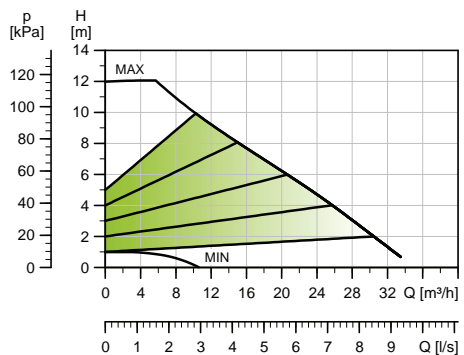
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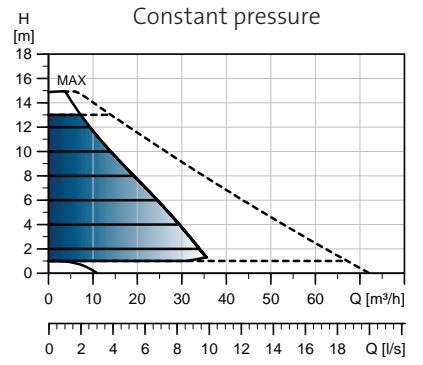
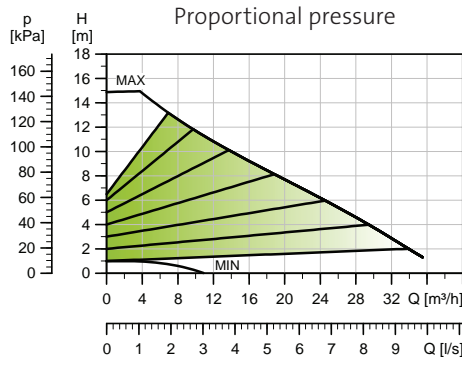
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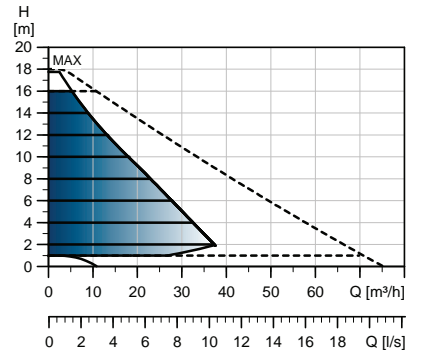
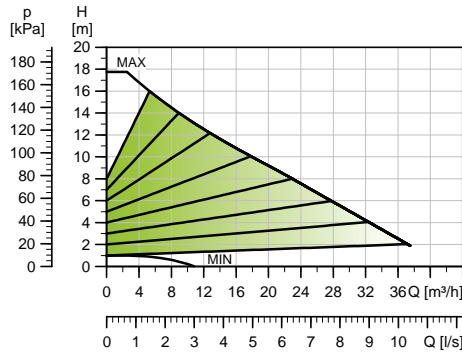
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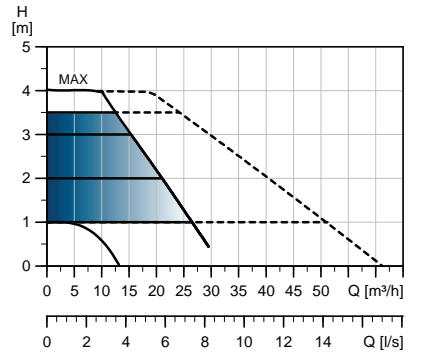
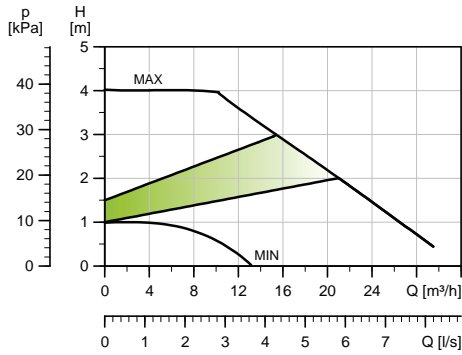
MAGNA3 D 50-150 F



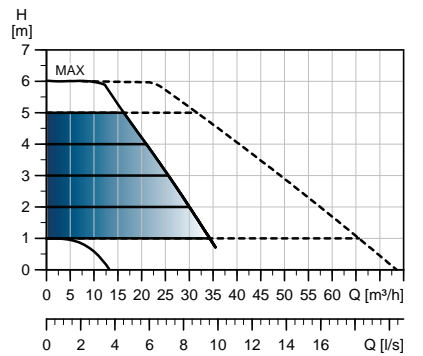
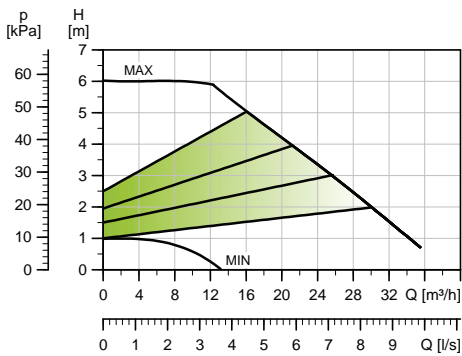
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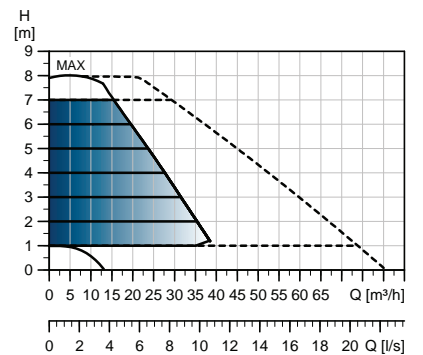
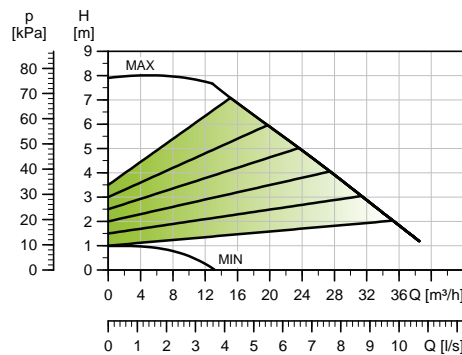
MAGNA3 D 65-40 F



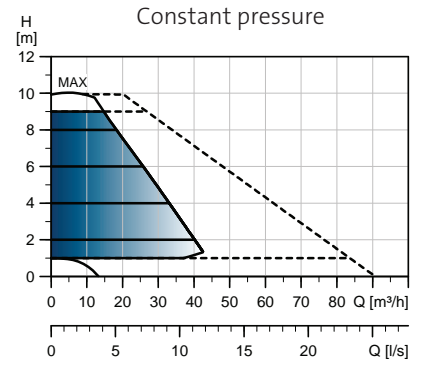
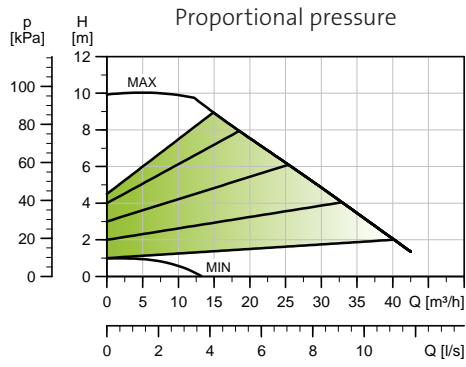
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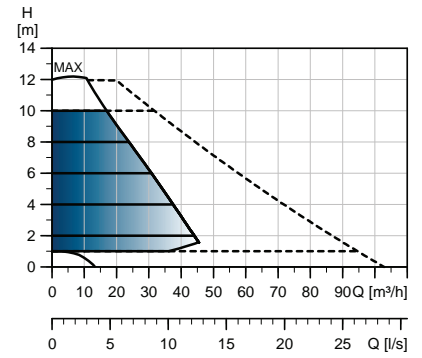
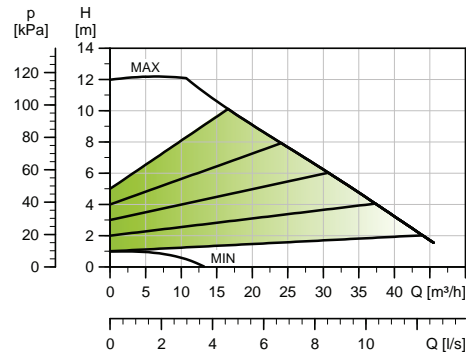
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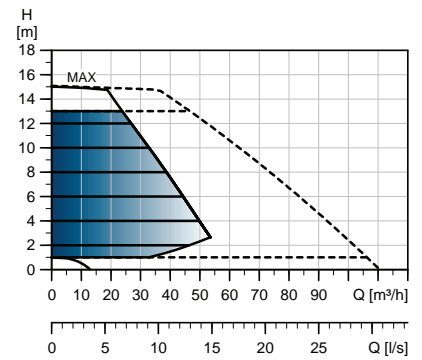
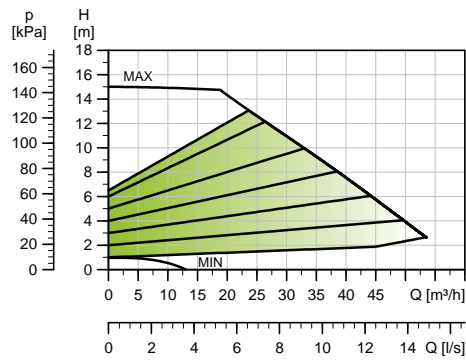
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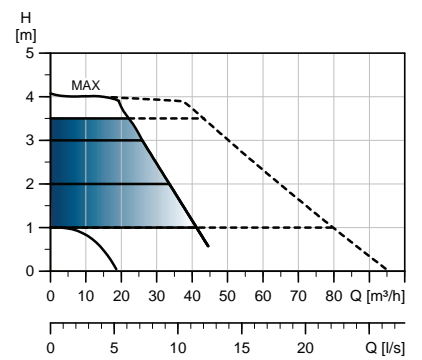
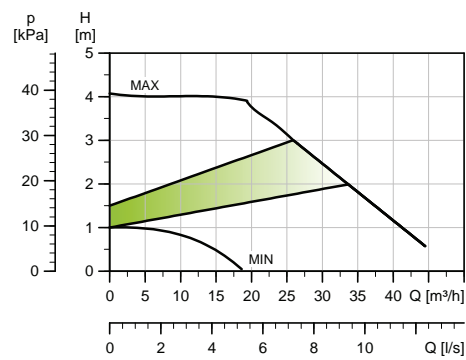
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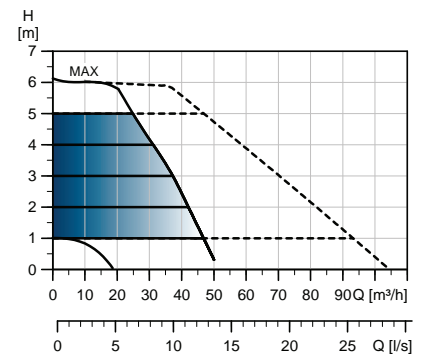
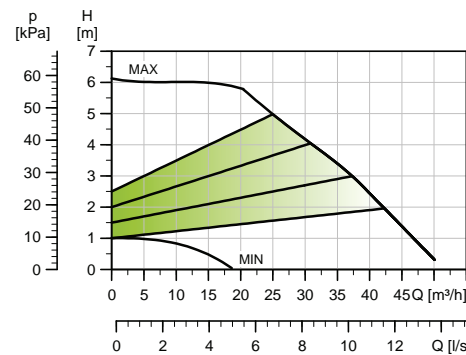
MAGNA3 D 65-150 F



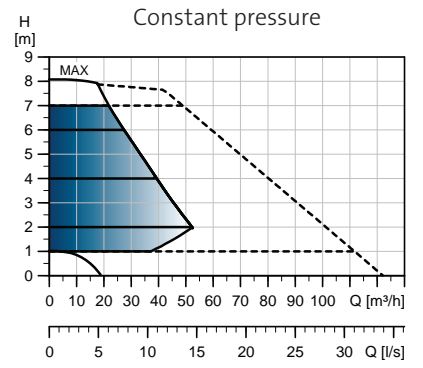
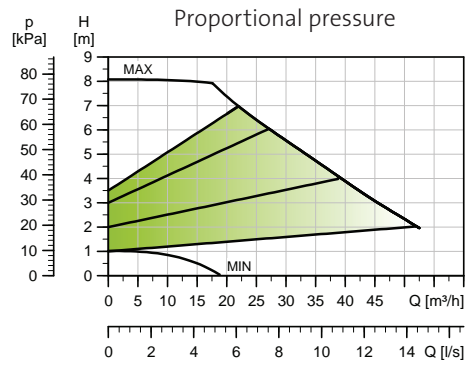
MAGNA3 D 80-40 F



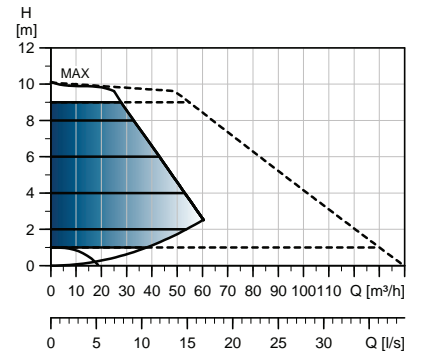
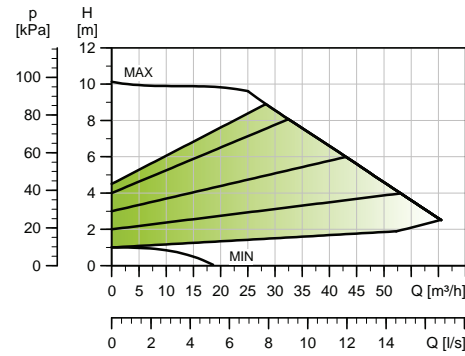
MAGNA3 D 80-60 F



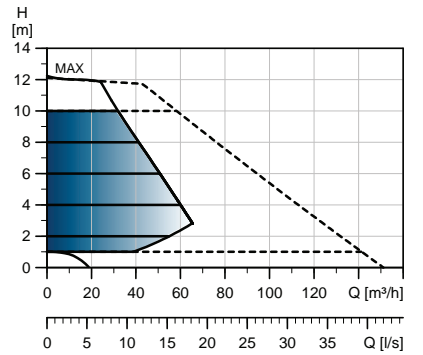
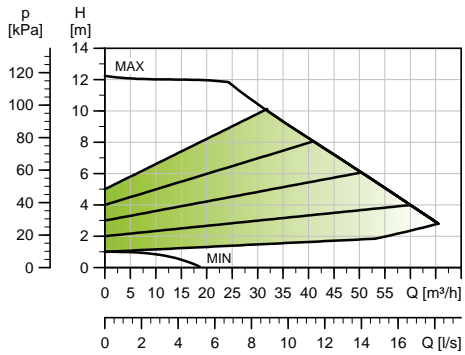
MAGNA3 D 80-80 F



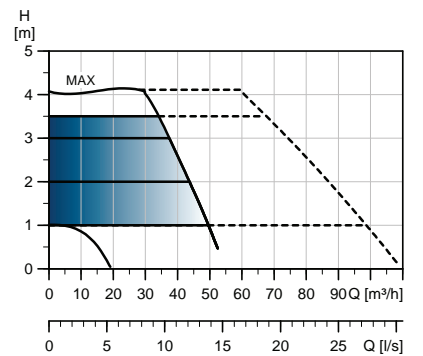
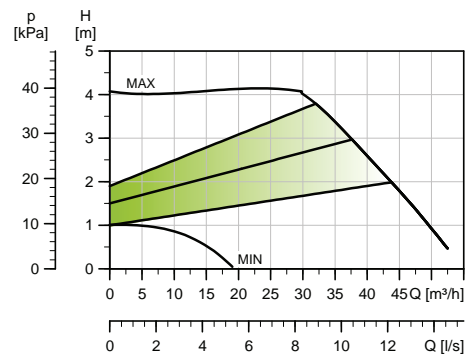
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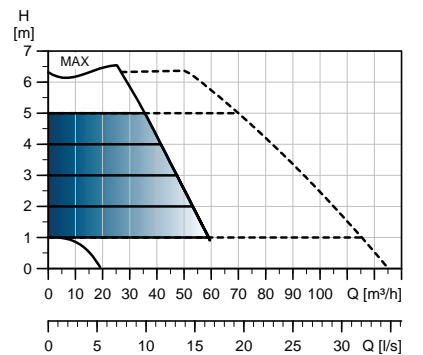
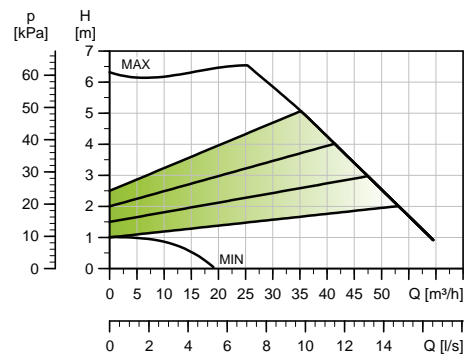
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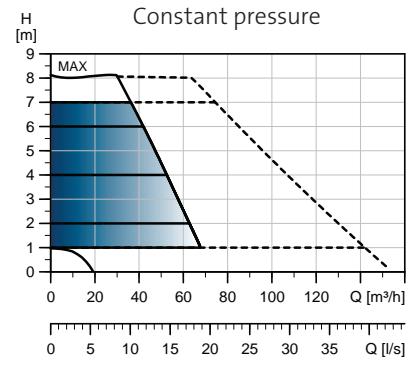
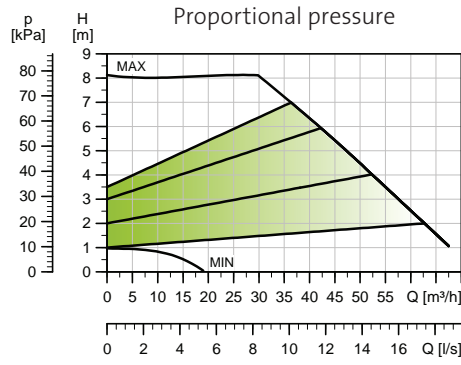
MAGNA3 D 100-40 F



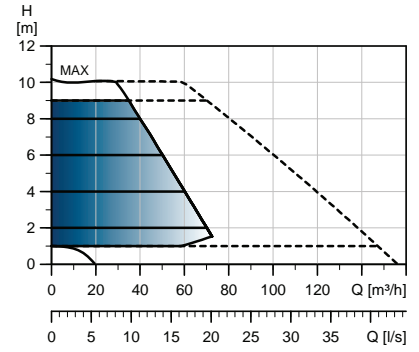
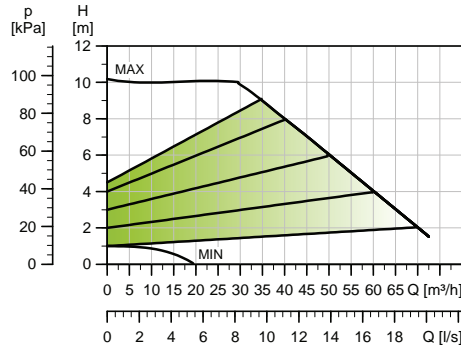
MAGNA3 D 100-60 F



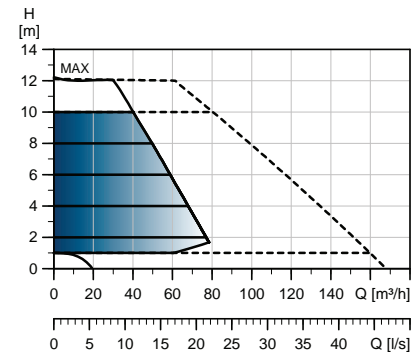
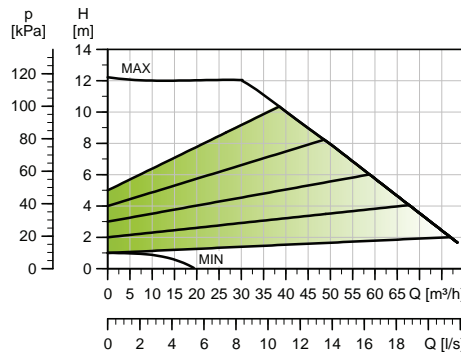
MAGNA3 D 100-80 F



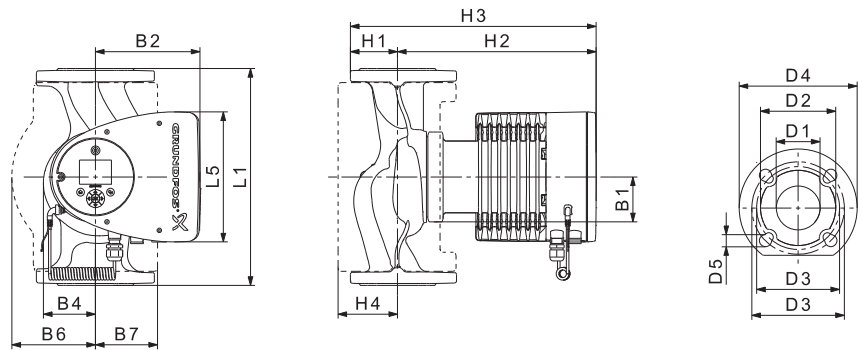
MAGNA3 D 100-100 F



MAGNA3 D 100-120 F

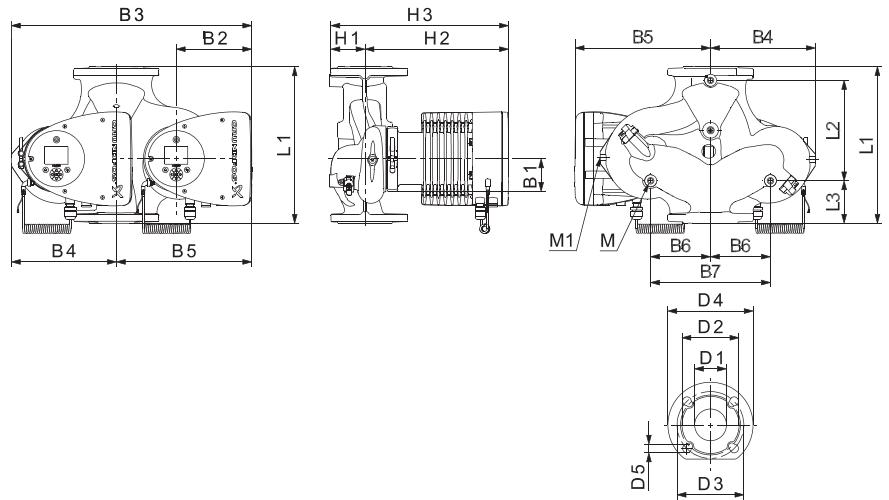


Single head pumps



Pump Type	Dimensions (mm)															Weights (kg)		Max. Amps	
	L1	G	B1	B2	B4	B6	B7	H1	H2	H3	H4	D1	D2	D3	D4	D5	Net		Gross
MAGNA3 32-120 F (N)	220	203.9	83.6	164	72.3	107	107	51.5	288	339.5	83.1	36	76	90/100	140	14/19	14.7	17.4	1.50
MAGNA3 40-80 F (N)	220	203.9	83.6	164	72.3	105	105	65	304	369	83.1	41.8	84	100/110	150	14/19	15.9	18.9	1.20
MAGNA3 40-100 F (N)	220	203.9	83.6	164	72.3	105	105	65	304	369	83.1	41.8	84	100/110	150	14/19	15.9	18.7	1.56
MAGNA3 40-120 F (N)	250	203.9	83.6	164	72.3	105	105	65	304	369	83.1	41.8	84	100/110	150	14/19	15.5	18.2	1.95
MAGNA3 40-150 F (N)	250	203.9	83.6	164	72.3	105	105	65	304	369	83.1	41.8	84	100/110	150	14/19	15.5	18.2	2.69
MAGNA3 40-180 F (N)	250	203.9	83.6	164	72.3	105	105	65	304	369	83.1	41.8	84	100/110	150	14/19	15.5	18.7	2.68
MAGNA3 50-40 F (N)	240	203.9	83.6	164	72.3	127	127	70.5	303.6	374.1	87	53	102	110/125	165	14/19	17.0	20.4	0.67
MAGNA3 50-60 F (N)	240	203.9	83.6	164	72.3	127	127	70.5	303.6	374.1	87	53	102	110/125	165	14/19	17.0	20.4	1.13
MAGNA3 50-80 F (N)	240	203.9	83.6	164	72.3	127	127	70.5	303.6	374.1	87	53	102	110/125	165	14/19	17.0	20.4	1.46
MAGNA3 50-100 F (N)	280	203.9	83.6	164	72.3	127	127	72	303.6	375.6	87	53	102	110/125	165	14/19	17.6	21.1	1.91
MAGNA3 50-120 F (N)	280	203.9	83.6	164	72.3	127	127	72	303.6	375.6	87	53	102	110/125	165	14/19	17.6	21.1	2.37
MAGNA3 50-150 F (N)	280	203.9	83.6	164	72.3	127	127	72	303.6	375.6	87	53	102	110/125	165	14/19	18.3	22.0	2.78
MAGNA3 50-180 F (N)	280	203.9	83.6	164	72.3	127	127	72	303.6	375.6	87	53	102	110/125	165	14/19	18.3	21.9	3.35
MAGNA3 65-40 F (N)	340	203.9	83.6	164	72.3	133	133	74	311.5	385.5	93.4	68.8	119	130/145	185	14/19	20.2	23.8	0.90
MAGNA3 65-60 F (N)	340	203.9	83.6	164	72.3	133	133	74	311.5	385.5	93.4	68.8	119	130/145	185	14/19	20.2	23.8	1.57
MAGNA3 65-80 F (N)	340	203.9	83.6	164	72.3	133	133	74	311.5	385.5	93.4	68.8	119	130/145	185	14/19	21.0	24.7	2.12
MAGNA3 65-100 F (N)	340	203.9	83.6	164	72.3	133	133	74	311.5	385.5	93.4	68.8	119	130/145	185	14/19	21.0	24.7	2.70
MAGNA3 65-120 F (N)	340	203.9	83.6	164	72.3	133	133	74	311.5	385.5	93.4	68.8	119	130/145	185	14/19	21.0	24.7	3.38
MAGNA3 65-150 F (N)	340	203.9	83.6	164.5	72.3	133	133	74	311.5	385.5	93.4	68.8	119	130/145	185	14/19	24.0	27.8	5.68
MAGNA3 80-40 F	360	203.9	83.6	164	72.3	163	163	95.4	317.5	412.9	114.4	80.8	128	150/160	200	18	25.8	28.8	1.47
MAGNA3 80-60 F	360	203.9	83.6	164	72.3	163	163	95.4	317.5	412.9	114.4	80.8	128	150/160	200	18	25.8	29.1	2.35
MAGNA3 80-80 F	360	203.9	83.6	164	72.3	163	163	95.4	317.5	412.9	114.4	80.8	128	150/160	200	18	28.0	32.0	3.17
MAGNA3 80-100 F	360	203.9	83.6	164.5	72.3	163	163	95.4	317.5	412.9	114.4	80.8	128	150/160	200	18	28.8	32.6	4.606
MAGNA3 80-120 F	360	203.9	83.6	164.5	72.3	163	163	95.4	317.5	412.9	114.4	80.8	128	150/160	200	18	28.8	32.6	5.72
MAGNA3 100-40 F	450	203.9	83.6	164	72.3	178	178	103.4	329.7	433.1	120	105.3	160	170	220	18	32.3	36.4	2.06
MAGNA3 100-60 F	450	203.9	83.6	164	72.3	178	178	103.4	329.7	433.1	120	105.3	160	170	220	18	32.3	36.4	2.94
MAGNA3 100-80 F	450	203.9	83.6	164.5	72.3	178	178	103.4	329.7	433.1	120	105.3	160	170	220	18	33.1	37.3	4.31
MAGNA3 100-100 F	450	203.9	83.6	164.5	72.3	178	178	103.4	329.7	433.1	120	105.3	160	170	220	18	33.1	37.0	5.50
MAGNA3 100-120 F	450	203.9	83.6	164.5	72.3	178	178	103.4	329.7	433.1	120	105.3	160	170	220	18	33.1	37.0	6.97

Twin head pumps



Pump Type	Dimensions (mm)																				Weights (kg)		Max. Amps
	L1	L2	L3	L4	G	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	D1	D2	D3	D4	D5	Net	Gross	
MAGNA3 D 32-120 F	220	97	93	53	204	84	164	504	294	210	130	260	68	300	368	32	76	90/100	140	14/19	30.0	30.3	1.49
MAGNA3 D 40-80 F	220	53	143	63	204	84	164	505	294	211	130	260	76	303	379	40	84	100/110	150	14/19	32.6	32.8	1.21
MAGNA3 D 40-100 F	220	53	143	63	204	84	164	505	294	211	130	260	76	303	379	40	84	100/110	150	14/19	32.6	32.8	1.61
MAGNA3 D 40-120 F	250	58	158	78	204	84	164	505	294	211	130	260	69	303	379	40	84	100/110	150	14/19	31.7	31.9	1.95
MAGNA3 D 40-150 F	250	58	158	78	204	84	164	505	294	211	130	260	69	303	379	40	84	100/110	150	14/19	31.7	31.9	2.70
MAGNA3 D 40-180 F	250	58	158	78	204	84	164	505	294	211	130	260	69	303	379	40	84	100/110	150	14/19	31.7	31.9	2.71
MAGNA3 D 50-40 F	240	48	160	45	204	84	164	515	294	221	130	260	75	304	378	53	102	110/125	165	14/19	33.0	41.8	0.66
MAGNA3 D 50-60 F	240	48	160	45	204	84	164	515	294	221	130	260	75	304	378	53	102	110/125	165	14/19	33.0	41.8	1.11
MAGNA3 D 50-80 F	240	48	160	45	204	84	164	515	294	221	130	260	75	304	378	53	102	110/125	165	14/19	33.0	41.8	1.45
MAGNA3 D 50-100 F	280	175	75	75	204	84	164	517	294	223	130	260	78	304	382	53	102	110/125	165	14/19	33.3	42.1	1.91
MAGNA3 D 50-120 F	280	175	75	75	204	84	164	517	294	223	130	260	78	304	382	53	102	110/125	165	14/19	33.3	42.1	2.37
MAGNA3 D 50-150 F	280	175	75	75	204	84	164	517	294	223	130	260	78	304	382	53	102	110/125	165	14/19	34.7	43.9	2.78
MAGNA3 D 50-180 F	280	175	75	75	204	84	164	517	294	223	130	260	78	304	382	53	102	110/125	165	14/19	34.7	43.9	3.35
MAGNA3 D 65-40 F	340	218	92	92	204	84	164	522	294	228	130	260	77	312	389	69	119	130/145	185	14/19	36.9	45.8	0.89
MAGNA3 D 65-60 F	340	218	92	92	204	84	164	522	294	228	130	260	77	312	389	69	119	130/145	185	14/19	36.9	45.8	1.57
MAGNA3 D 65-80 F	340	218	92	92	204	84	164	522	294	228	130	260	77	312	389	69	119	130/145	185	14/19	38.7	47.6	2.12
MAGNA3 D 65-100 F	340	218	92	92	204	84	164	522	294	228	130	260	77	312	389	69	119	130/145	185	14/19	38.7	47.6	2.97
MAGNA3 D 65-120 F	340	218	92	92	204	84	164	522	294	228	130	260	77	312	389	69	119	130/145	185	14/19	38.7	47.6	3.36
MAGNA3 D 65-150 F	340	218	92	92	204	84	164.5	522	294	228	130	260	77	312	389	69	119	130/145	185	14/19	44.6	53.7	5.68
MAGNA3 D 80-40 F	360	218	102	102	204	84	164	538	294	244	130	260	96	318	414	81	128	150/160	200	18	45.8	55.8	1.50
MAGNA3 D 80-60 F	360	218	102	102	204	84	164	538	294	244	130	260	96	318	414	81	128	150/160	200	18	45.8	55.8	2.39
MAGNA3 D 80-80 F	360	218	102	102	204	84	164	538	294	244	130	260	96	318	414	81	128	150/160	200	18	50.0	61.5	3.13
MAGNA3 D 80-100 F	360	218	102	102	204	84	164.5	538	294	244	130	260	96	318	414	81	128	150/160	200	18	51.6	63.4	4.62
MAGNA3 D 80-120 F	360	218	102	102	204	84	164.5	538	294	244	130	260	96	318	414	81	128	150/160	200	18	51.6	63.1	5.74
MAGNA3 D 100-40 F	450	243	147	147	204	84	164	551	299	252	135	270	103	318	433	105	160	170	220	18	58.8	71.3	2.06
MAGNA3 D 100-60 F	450	243	147	147	204	84	164	551	299	252	135	270	103	330	433	105	160	170	220	18	58.8	71.3	2.94
MAGNA3 D 100-80 F	450	243	147	147	204	84	164.5	551	299	252	135	270	103	330	433	105	160	170	220	18	60.4	73.2	4.36
MAGNA3 D 100-100 F	450	243	147	147	204	84	164.5	551	299	252	135	270	103	330	433	105	160	170	220	18	60.4	73.2	5.51
MAGNA3 D 100-120 F	450	243	147	147	204	84	164.5	551	299	252	135	270	103	330	433	105	160	170	220	18	60.4	72.8	6.98

Additional operating modes for multi-pump setup

Multi-pump function

The multi-pump function enables the control of single-head pumps connected in parallel and twin-head pumps without the use of external controllers. The pumps in a multi-pump system communicate with each other via the wireless GENiAir connection.

A multi-pump system is set up via a selected pump, i.e. the master pump (first selected pump). All Grundfos pumps with a wireless GENiAir connection can be connected to the multi-pump system.

Pump system:

- Twin-head pump.
- Two single-head pumps connected in parallel. The pumps must be of equal size and type. Each pump requires a non-return valve in series with the pump.

Alternating operation

Only one pump is operating at a time. The change from one pump to the other depends on time or energy. If a pump fails, the other pump will take over automatically.

Back-up operation

One pump is operating continuously. The back-up pump is operated at intervals to prevent seizing up. If the duty pump stops due to a fault, the back-up pump will start automatically. No auto changeover panel is required.






Readings and settings on the pump

Control panel and display

The MAGNA3 pump features a 4" TFT display with intuitive and user-friendly interface. The control panel has self-explanatory push-buttons made of high-quality silicone for precise navigation in the menu structure. The control panel is designed to give the user quick and easy access to pump and performance data on site.

When the pump is started up for the first time, the user is presented with a start-up guide enabling easy setting of the pump. Additionally, the "Assist" menu can guide the user through the various settings of the pump.

Factory setting

Button	Function
	Goes to the "Home" menu.
	Returns to the previous action.
	Navigates between main menus, displays and digits. When the menu is changed, the display will always show the top display of the new menu.
	Navigates between submenus.
	Saves changed values, resets alarms and expands the value field.

The pumps have been factory-set to AUTOADAPT without Automatic Night Setback.

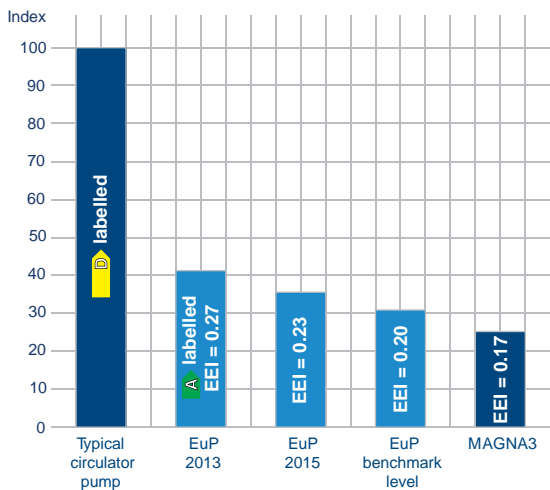
Symbols used on the following pages

The MAGNA3 is energy-optimised and complies with the EuP Directive (Commission Regulation (EC) No 641/2009) which is effective as from 1st January 2013.

For MAGNA3 pumps, the average energy efficiency index (EEI) is 0.18 with values down to 0.17, categorised as best in class. From 1st January 2013, the old A to G energy label will be replaced by the new energy efficiency index (EEI).

Only the best of today's A-labelled circulator pumps will meet the new requirements.

The MAGNA3 with its AUTOADAPT function is the preferred choice for large heating systems and a true efficiency frontrunner. The AUTOADAPT function ensures an energy consumption that is even lower than the indicated EEI, but due to the calculation method, this is not reflected in the EEI.



The graph shows the energy consumption index for a typical circulator pump compared to the various EEI limits.

With an energy efficiency index (EEI) well below the EuP benchmark level, you can achieve energy savings of up to 75 % compared to a typical circulator pump and thus a remarkably fast return on investment. This means, of course, that the MAGNA3 more than meets the standards of the EuP legislation.

For more information about the new energy directive, please visit: <http://energy.grundfos.com>

Grundfos blueflux®



The Grundfos blueflux® label is your guarantee that the MAGNA3 incorporates the most energy-efficient motor currently available. Grundfos blueflux® motors are designed to cut the power consumption by up to 60 % and thus reduce CO2 emissions and operating costs

Grundfos GO

The Grundfos GO gives you intuitive handheld wireless remote pump control, as well as access to Grundfos online tools whenever and wherever you need them. With the Grundfos GO Remote or a smartphone, it is possible to get the following information about the MAGNA3:



- product photo
- pump performance curves
- dimensional sketches
- wiring diagram
- quotation text
- technical data
- service parts list
- PDF files, such as data booklet and installation and operating instructions.

Information is accessed via a QR code on the pump name plate



MAGNA3 conversion guide

From January 2013 new rules will apply for all **glandless circulator pumps** supplied to the HVAC market in the UK.

What is changing?

The system of defining circulator pumps on their energy usage by the A-G grading system will be replaced in 2013 by European legislation (EuP directive). The EuP directive defines a value of operational efficiency that new glandless circulators placed on the market must be capable of meeting.

What can I do about replacing 3 phase UPS models?

Convert the electrical supply from 3 phase to 1 phase at the design stage.

- Alternatively convert to an equivalent Grundfos TP pump size for any 3 phase models that are specified for installation in 2013.

UPS Models	Equivalent MAGNA Models
UPS 25-55	MAGNA 25-60
UPS 25-80	MAGNA 25-80
UPS 25-100	MAGNA 25-100
UPS 32-55	MAGNA 32-60
UPS 32-80	MAGNA 32-80
UPS 32-100	MAGNA 32-100
UPS 40-50	MAGNA 40-80 F + Spacer 96281076
UPS 40-80	MAGNA 40-80 F + Spacer 96281076
UPSD 40-50	MAGNA D 40-100 F + Spacer 96281076
UPSD 40-80	MAGNA D 40-100 F + Spacer 96281076

* On these 40mm MAGNA3 models an additional spacer kit for replacement purposes may be required. Code number 96281076.

**On these 50mm MAGNA3 models an additional spacer kit for replacement purposes may be required. Code number 96281077.



Single Phase UPS Models	Equivalent MAGNA Models	Equivalent MAGNA3 Models
UPS(D) 32-30/4	MAGNA(D) 32-120	MAGNA3 (D)32-120
UPS(D) 32-60/2	MAGNA(D) 32-120	MAGNA3 (D)32-120
UPS(D) 32-120/2	MAGNA(D) 32-120	MAGNA3 (D)32-120
UPS(D) 40-30/4	MAGNA(D) 40-120	MAGNA3 (D)40-80*
UPS(D) 40-60/4	MAGNA(D) 40-120	MAGNA3 (D)40-80*
UPS(D) 40-60/2	MAGNA(D) 40-120	MAGNA3 (D)40-80*
UPS(D) 40-120/2	MAGNA(D) 40-120	MAGNA3 (D)40-120
UPS(D) 40-180/2		MAGNA3 (D)40-150
UPS(D) 40-185		MAGNA3 (D)40-180
UPS(D) 50-30/4	MAGNA(D) 50-60	MAGNA3 (D)50-40**
UPS(D) 50-60/4	MAGNA(D) 50-60	MAGNA3 (D)50-60**
UPS(D) 50-60/2	MAGNA(D) 50-60	MAGNA3 (D)50-60**
UPS(D) 50-120/2	MAGNA(D) 50-120	MAGNA3 (D)50-120
UPS(D) 50-180/2		MAGNA3 (D)50-150
UPS(D) 50-185		MAGNA3 (D)50-180
UPS(D) 65-30/4	MAGNA(D) 65-60	MAGNA3 (D)65-40
UPS(D) 65-60/4	MAGNA(D) 65-60	MAGNA3 (D)65-60
UPS(D) 65-60/2	MAGNA(D) 65-60	MAGNA3 (D)65-60
UPS(D) 65-120/2	MAGNA(D) 65-120	MAGNA3 (D)65-120

MAGNA3 are available in single phase electrical supply.

The table below shows the equivalent models of MAGNA3 for respective three phase UPS models. Before selecting a MAGNA3 model first ensure that the electrical supply on site can be suitably modified to a single phase supply.

Three Phase UPS Models	Equivalent MAGNA3 Models
UPS(D) 32-30/4	MAGNA3 (D)32-120
UPS(D) 32-60/2	MAGNA3 (D)32-120
UPS(D) 32-120/2	MAGNA3 (D)32-120
UPS(D) 40-30/4	MAGNA3 (D)40-80*
UPS(D) 40-60/4	MAGNA3 (D)40-80*
UPS(D) 40-60/2	MAGNA3 (D)40-80*
UPS(D) 40-120/2	MAGNA3 (D)40-120
UPS(D) 40-180/2	MAGNA3 (D)40-150
UPS(D) 40-185	MAGNA3 (D)40-180
UPS(D) 50-30/4	MAGNA3 (D)50-40**
UPS(D) 50-60/4	MAGNA3 (D)50-60**
UPS(D) 50-60/2	MAGNA3 (D)50-60**
UPS(D) 50-120/2	MAGNA3 (D)50-120
UPS(D) 50-180/2	MAGNA3 (D)50-150
UPS(D) 50-185	MAGNA3 (D)50-180
UPS(D) 65-30/4	MAGNA3 (D)65-40
UPS(D) 65-60/4	MAGNA3 (D)65-60
UPS(D) 65-60/2	MAGNA3 (D)65-60
UPS(D) 65-120/2	MAGNA3 (D)65-120
UPS(D) 65-180/2	MAGNA3 (D)65-150
UPS(D) 65-185	MAGNA3 (D)65-180
UPS(D) 80-30	MAGNA3 (D)80-40
UPS(D) 80-60/4	MAGNA3 (D)80-60
UPS(D) 80-120/2	MAGNA3 (D)80-120
UPS(D) 100-30/4	MAGNA3 (D)100-40



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