

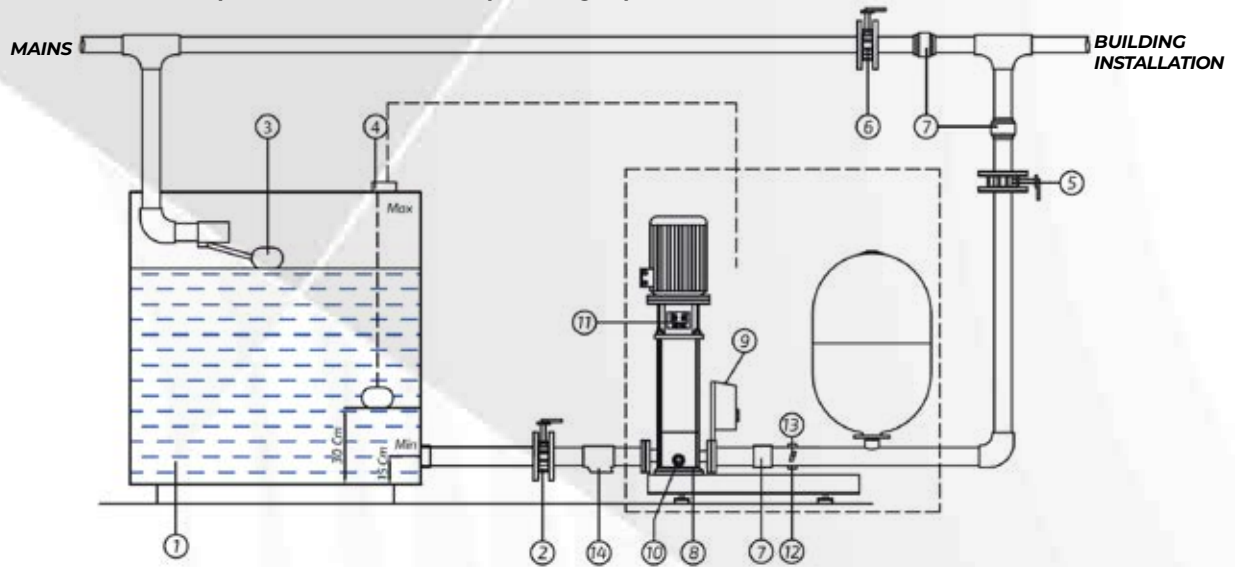
DUYAR



BOOSTER SYSTEMS

BOOSTER

Booster is a system that enables the water that it absorbs from a certain water reservoir to reach the desired points with the help of high pressure.



No	Part Name	No	Part Name
01	Warehouse	08	Booster Unit
02	Valve	09	Booster Control Panel
03	Warehouse Floater	10	Booster Pump
04	Booster Level Flasher	11	Pump Coupler
05	Booster Discharge Line Valve	12	Pressure Switch
06	City Mains Line Valve	13	Manometer
07	Check valve	14	Strainer

BOOSTER EQUIPMENTS

- Boosters are produced as standard with single, double or triple pumps according to the desired flow rate. In case of capacity requirement, 6 Booster sets can be made.
- Boosters can be manufactured with vertical or horizontal pumps as standard.
- Sequence change, phase control and liquid level control are standard features in Boosters with multiple pumps.
- Boosters can operate in two different modes, automatic and manual..

FREQUENCY CONTROLLED BOOSTER SYSTEMS

Conventional fixed speed booster systems operate the pump at full power even at the lowest water consumption and stop and start very frequently. This situation causes fluctuations in water pressure up to 2 bar and shortens the life of the pump. Booster systems with frequency control drive, on the other hand, control the motor speed and adjust the pump performance in a wide range according to the system needs and provide optimum operation. Thus; Boosters with equal aging feature, energy saver up to 40%, redundant and uninterrupted operation, controllable with pressure transmitter, providing maximum comfort during consumption, low noise level, long life, low operation feature are obtained.

BOOSTER SELECTION CRITERIA!

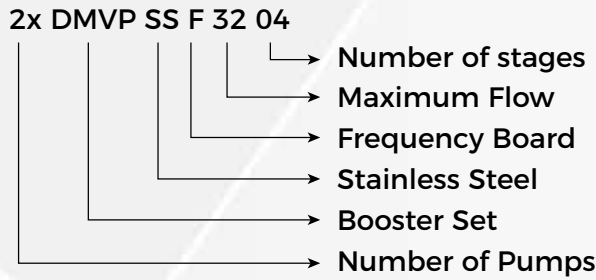


It is important to pay attention to the following criteria in the determination of the booster suitable for its intended use (domestic, industrial, agricultural, etc.)

- If it is to make a suction, the determination of the suction depth of the booster is of great importance for the life of the pump.
- The quality of the space where the booster will be installed is important in calculating the booster flow rate. Flow rate is calculated differently for a booster to be used at home and a booster to be used in places such as sports facilities, dormitories, and schools.
- Attention should be paid to the quality of the water to be pressurized (Temperature, pollution level, presence of salt water, etc.).
- The nominal pressure of the balance tank in the booster system should be higher than the closed valve pressure (P_{max}) of the pumps in the system. (For example, the nominal pressure of the buffer tank in the booster containing a DMWP 8-12 pump with a closed valve pressure of 145 mSS (14.5 Bar) must be at least PN16.)



PRODUCT DESCRIPTION



HOW TO DETERMINE BOOSTER WORKING PRESSURE (HM) AND FLOW (Q)?

The pressure in the outlet collector of the Booster is the sum of the inlet pressure in the suction collector of the Booster and the pressure created by the Booster itself. However, in Turkey, the pressure at the inlet of the Booster is at negligible levels, since the Boosters are generally fed from a water tank open to the atmosphere at the same level as the Booster.

While determining the working pressure of the Booster;

- Static height of the building
- Minimum flow pressure on the top floors
- Friction losses in pipes
- Losses in the water meter
- The sum of losses in filters and other equipment must be calculated.

Ha (Lower pressure)	: $H_s + H_{\text{öd}} + H_{\text{kr}} + H_{\text{akma}}$ mSS
Hü (Higher pressure)	: $H_a + 15$ mSS
Hs	: Static height mSS
Höd	: Specific resistances (water meter, valve, elbow etc.)
Hkr	: Critical circuit pressure loss mSS
Hakma	: Top floor faucet flow pressure Min 15 Mss

While determining the flow rate of the Booster;

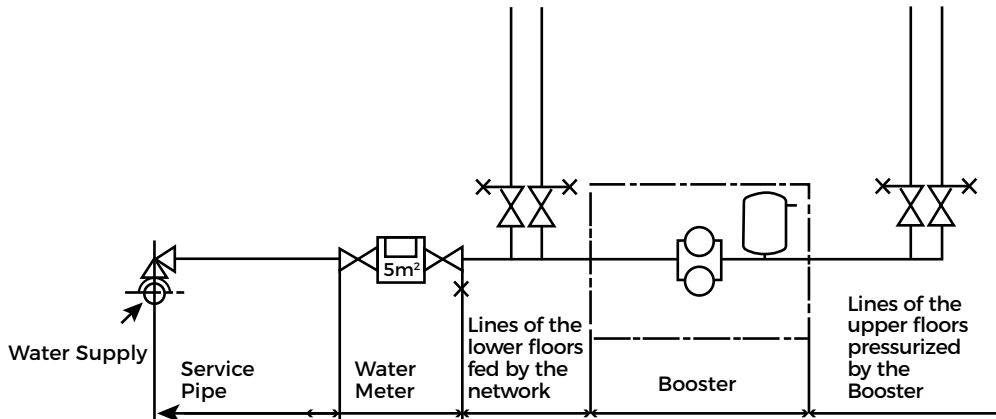
- If it is a domestic water Booster, the peak water requirement to be used should be calculated.

Qps	: $0,3 \times 1,1 \times 4 \times 150 \times N$ hourly peak water requirement (lt/h)
Synchronization factor	: 0,3
Safety coefficient	: 1,1
Average number of people in a family	: 4
A person's daily water requirement	: 150 lt
Number of flats	: N

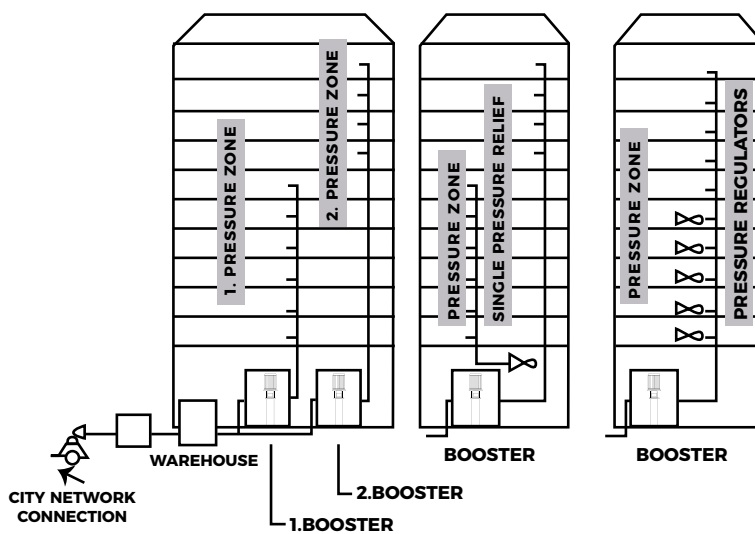
- If it is a fire water Booster, the required flow rate should be calculated according to the fire regulations.

BOOSTER INSTALLATION

Boosters can operate in a warehouse or directly connected to the city network. It is a prerequisite that the inlet pressure should not fluctuate more than 1 bar and should not be lower than 1 bar in the Boosters connected directly to the city network. In networks where these conditions cannot be met, it would not be correct to connect the boosters directly to the network. Due to the inadequacy of the mains pressures, this system has not been used very often in Turkey until today.



In Booster systems operating by taking water from a tank, the water should be able to flow from the tank to the pump with its own weight and a pre-pressure of 0.2 bar should be created at the suction port of the pump. It is basically not correct to operate the Boosters with suction. However, when this is necessary, the installation should be designed by using a pipe whose inner diameter is at least one length larger than the suction port of the pump. The installation should be determined in the shortest possible way, using at least elbows and fittings. The valve diameter should be kept as large as possible. Each pump must have a separate suction line.



PANEL OPTIONS

Two types of panels are used as standard in boosters.

1 They are conventional type electrical panels. These panels start and stop the pumps according to the pressure information they receive from a separate pressure switch for each pump. In this type of Booster with panel, sufficient volume of expansion tank is used to minimize the number of switchgears.

2 Frequency controlled electrical panels. Comfort is at the forefront in the facilities where they are used. It processes the pressure information received from the transmitter on the PLC on the frequency converter and keeps the line pressure constant by reducing the pump speed according to the flow rate used in the system.

PANEL FEATURES WITH PRESSURE SWITCH CONTROL

- It works with 380-460 V AC 50 Hz / 60 Hz mains voltage.
- The cabinet frame is manufactured from thermoplastic material or DKP sheet in IP 54 protection class and is painted with RAL 7032 electrostatic paint.
- There is MANUEL - 0 - AUTOMATIC selector switch on the panels.
- In AUTO mode at panel, There is:
 - Protection against waterless operation with floater
 - Protection against phase loss and instability
 - Peer aging application by changing the order.
- During the failure of the protection relay of the panels, it does not leave the facility without water by working and stopping over the pressure switches in the MANUEL position.



FEATURES OF MOTOR MOUNTED VARIABLE SPEED PANELS

- Multipump feature from 1 pump to 4 pumps.
- Automatic pump change, master pump selection.
- MODBUS communication with RS 485.
- Ability to operate 1 pump, 1 main + 1 backup, 2 pumps 2 main + 1 backup, 3 pumps, 3 main + 1 backup.
- Simple programming, emergency response with fault codes.
- Ability to set all transition times.
- Possibility to adjust the protection settings at the desired sensitivity.
- IP 55 protection class. 11 kW IP 20 protection.
- Cable communication between drives.
- Single-phase and three-phase.



EXPANSION TANK PRODUCT LIST

Name of the Product	Connection
DGT 24 LT	1"
DGT 50 LT	1"
DGT 100 LT	1"
DGT 140 LT	1"
DGT 200 LT	1"1/4
DGT 300 LT	1"1/4
DGT 500 LT	1"1/4
DGT 750 LT	2"
DGT 1000 LT	2"
DGT 1250 LT	2"
DGT 1500 LT	2"
DGT 2000 LT	2"
DGT 2500 LT	2"
DGT 3000 LT	2"1/2
DGT 4000 LT	3"
DGT 5000 LT	3"



WHAT ARE THE SUBJECTS TO BE CONSIDERED WHILE SELECTING THE EXPANSION TANK?

Among the factors that should be considered when determining the expansion tank for a system include:

- Temperature of the liquid
- Liquid type
- The size of the tank

Stainless Expansion Tank can be used in environments where hygiene is important or very humid. There are expansion tanks in different sizes according to the characteristics of the pump system. The volume of the expansion tank varies between 25-5000 Liters and 10-25 bars. There are also types of tanks such as sphere, cylinder, horizontal and vertical. On average, pressure vessels last about 5-7 years. The following issues should be considered when purchasing an expansion tank;

- Capacity (Liters)
- Height of the place to be used
- Pressure resistance
- Auxiliary equipment to work with the expansion tank

The total volume calculation of the membrane tank can be practically calculated according to DIN 1988 part 3 as follows;

0.33 = constant coefficient

Q_{max} = Maximum flow rate of the booster

P_a = Upper Working pressure of the booster

ΔP (a-e) = booster working differential; difference between working upper pressure and lower pressure

S = Number of switches; Number of activation and deactivation of the booster per hour

$$V_E = 0.33 \times Q_{\max} \frac{(P_A+1)}{\Delta P (A-E) \times S} (M^3)$$

DMVP SERIES VERTICAL SHAFT MULTISTAGE BOOSTERS

DOMESTIC WATER BOOSTER



FIRE BOOSTER



DOMESTIC WATER BOOSTER

Material Properties	
Standard	EN-DIN
Pump Body	AISI 304 - Stainless Steel
Shaft	AISI 420 - Stainless Steel
Impeller/Diffuser	Noryl
Suction - Discharge Body	GG25 - Cast Iron
Mechanical Seal	Carbon / Ceramic

Technical Specifications	
Flow	2 - 60 m ³ /h
Pump head	20 - 150 mSS
Operating pressure	16 Bar (Max.)
Temperature Range	0 - 50 °C
Speed	2900 rev/min
Input - Output	DN100-DN80
Strength	From 0,75 kW to 15 kW
Panel	Fully automatic, Co-aging, Optional: with Frequency Converter

System Equipment

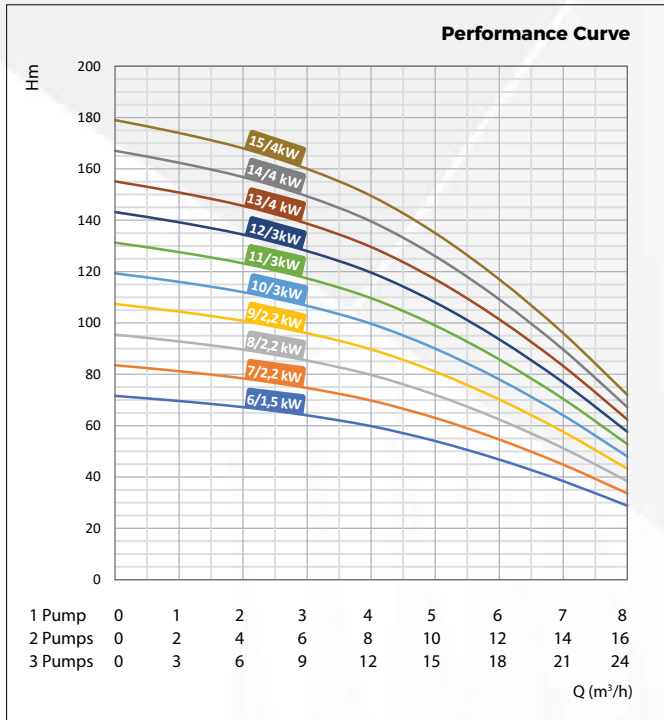
- Manometer
- Suction and discharge collectors
- Ball valves
- Check valves
- Corded level floater to prevent running without water
- Fully automatic electrical control panel mounted on the chassis.
(Direct start <0.75 kW <Star delta starting)
- Rotation (row control) system that distributes the operating time equally between the pumps.
- Specially manufactured elastic wedges that prevent vibration

DMVP VERTICAL SHAFT PUMP PRODUCT LIST

Name of the Product	Motor Power (kW)	Connections
DMVP 8-06	1,5	1 1/4" - 1 1/4"
DMVP 8-07	2,2	1 1/4" - 1 1/4"
DMVP 8-08	2,2	1 1/4" - 1 1/4"
DMVP 8-09	2,2	1 1/4" - 1 1/4"
DMVP 8-10	3	1 1/4" - 1 1/4"
DMVP 8-11	3	1 1/4" - 1 1/4"
DMVP 8-12	3	1 1/4" - 1 1/4"
DMVP 8-13	4	1 1/4" - 1 1/4"
DMVP 8-14	4	1 1/4" - 1 1/4"
DMVP 8-15	4	1 1/4" - 1 1/4"
DMVP 12-05	2,2	1 1/2" - 1 1/2"
DMVP 12-06	2,2	1 1/2" - 1 1/2"
DMVP 12-07	3	1 1/2" - 1 1/2"
DMVP 12-08	3	1 1/2" - 1 1/2"
DMVP 12-09	4	1 1/2" - 1 1/2"
DMVP 12-10	4	1 1/2" - 1 1/2"
DMVP 12-11	5,5	1 1/2" - 1 1/2"
DMVP 12-12	5,5	1 1/2" - 1 1/2"
DMVP 12-13	5,5	1 1/2" - 1 1/2"
DMVP 16-05	3	1 1/2" - 1 1/2"
DMVP 16-06	4	1 1/2"/1 1/2"
DMVP 16-07	5,5	1 1/2"/1 1/2"
DMVP 16-08	5,5	1 1/2"/1 1/2"
DMVP 16-09	5,5	1 1/2" - 1 1/2"
DMVP 32-04	3	2" - 1 1/2"
DMVP 32-05	4	2" - 1 1/2"
DMVP 32-06	5,5	2" - 1 1/2"
DMVP 32-07	5,5	2" - 1 1/2"
DMVP 32-08	7,5	2" - 1 1/2"



DMVP 8 SERIES

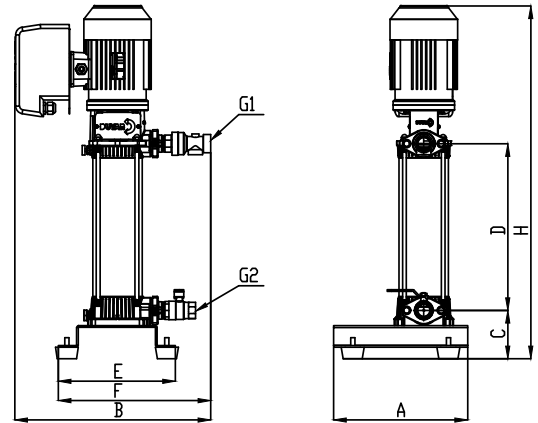


PRODUCT LIST

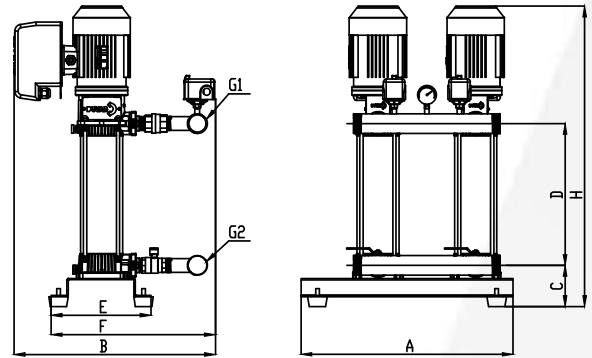
	Booster Type	Motor Power (kW)	Number of Floors	Number of Flats	Recommended Minimum Balance Tank to Use (lt)	Collector Inlet / Outlet
SINGLE PUMP	1xDMVP 8 -6	1,5	1-4	25-35	100	1 1/4" - 1 1/4"
	1xDMVP 8 -7	2,2	5-7			
	1xDMVP 8 -8	2,2	8-9			
	1xDMVP 8 -9	2,2	10-12			
	1xDMVP 8 -10	3	13-14		200	
	1xDMVP 8 -11	3	15-16			
	1xDMVP 8 -12	3	16-17			
	1xDMVP 8 -13	4	17-18		300	
	1xDMVP 8 -14	4	19-20			
	1xDMVP 8 -15	4	21-22			
DUAL PUMP	2xDMVP 8 -6	1,5	1-4	50-70	200	2" - 2"
	2xDMVP 8 -7	2,2	5-7			
	2xDMVP 8 -8	2,2	8-9			
	2xDMVP 8 -9	2,2	10-12			
	2xDMVP 8 -10	3	13-14		300	
	2xDMVP 8 -11	3	15-16			
	2xDMVP 8 -12	3	16-17			
	2xDMVP 8 -13	4	17-18		500	
	2xDMVP 8 -14	4	19-20			
	2xDMVP 8 -15	4	21-22			
TRIPLE PUMP	3xDMVP 8 -6	1,5	1-4	75-105	500	2" - 2"
	3xDMVP 8 -7	2,2	5-7			
	3xDMVP 8 -8	2,2	8-9			
	3xDMVP 8 -9	2,2	10-12			
	3xDMVP 8 -10	3	13-14			
	3xDMVP 8 -11	3	15-16			
	3xDMVP 8 -12	3	16-17			
	3xDMVP 8 -13	4	17-18			
	3xDMVP 8 -14	4	19-20			
	3xDMVP 8 -15	4	21-22			

**"Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used."

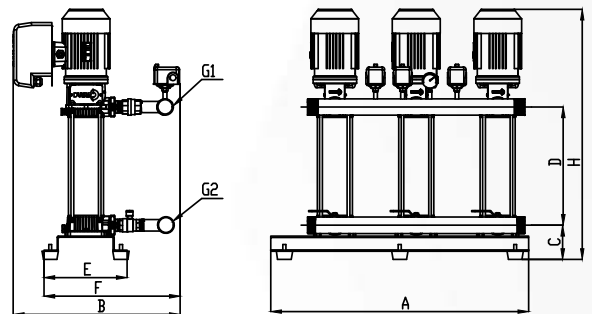
	A	B	C	D	H	E	F	G1	G2
1XDMVP 08-06-1,5 KW	350	512	126	322	830	306	400	1 1/4"	
1XDMVP 08-07-2,2 KW				360	868				
1XDMVP 08-08-2,2 KW				398	906				
1XDMVP 08-09-2,2 KW				436	944				
1XDMVP 08-10-3 KW		474		982					
1XDMVP 08-11-3 KW		512		1020					
1XDMVP 08-12-3 KW		550		1058					
1XDMVP 08-13-4 KW		588		1096					
1XDMVP 08-14-4 KW		626		1134					
1XDMVP 08-15-4 KW		664		1172					



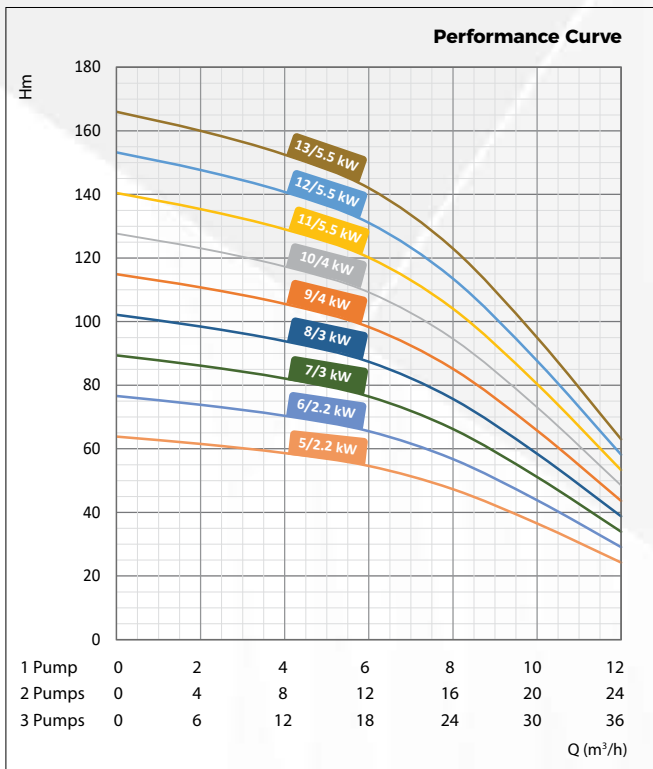
	A	B	C	D	H	E	F	G1	G2
2XDMVP 08-06-1,5 KW	650	618	126	322	830	306	505	2"	
2XDMVP 08-07-2,2 KW				360	868				
2XDMVP 08-08-2,2 KW				398	906				
2XDMVP 08-09-2,2 KW				436	944				
2XDMVP 08-10-3 KW		474		982					
2XDMVP 08-11-3 KW		512		1020					
2XDMVP 08-12-3 KW		550		1058					
2XDMVP 08-13-4 KW		588		1096					
2XDMVP 08-14-4 KW		626		1134					
2XDMVP 08-15-4 KW		664		1172					



	A	B	C	D	H	E	F	G1	G2
3XDMVP 08-06-1,5 KW	950	618	126	322	830	306	505	2"	
3XDMVP 08-07-2,2 KW				360	868				
3XDMVP 08-08-2,2 KW				398	906				
3XDMVP 08-09-2,2 KW				436	944				
3XDMVP 08-10-3 KW		474		982					
3XDMVP 08-11-3 KW		512		1020					
3XDMVP 08-12-3 KW		550		1058					
3XDMVP 08-13-4 KW		588		1096					
3XDMVP 08-14-4 KW		626		1134					
3XDMVP 08-15-4 KW		664		1172					



DMVP 12 SERIES

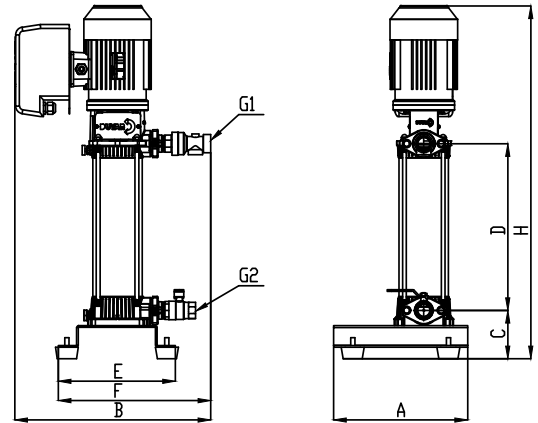


PRODUCT LIST

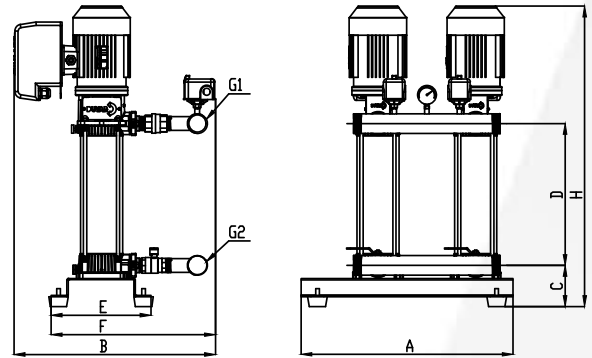
	Booster Type	Motor Power (kW)	Number of Floors	Number of Flats	Recommended Minimum Balance Tank to Use (lt)	Collector Inlet / Outlet
SINGLE PUMP	1xDMVP 12 -05	2,2	1-4	30-50	200	1 1/2"-1 1/2"
	1xDMVP 12 -06	2,2	2-6			
	1xDMVP 12 -07	3	5-7			
	1xDMVP 12 -08	3	7-8			
	1xDMVP 12 -09	4	9-12			
	1xDMVP 12 -10	4	13-18			
	1xDMVP 12 -11	5,5	18-20			
	1xDMVP 12 -12	5,5	20-22			
DUAL PUMP	1xDMVP 12 -13	5,5	22-24	60-100	300	2 1/2"-2 1/2"
	2xDMVP 12 -05	2,2	1-4			
	2xDMVP 12 -06	2,2	2-6			
	2xDMVP 12 -07	3	5-7			
	2xDMVP 12 -08	3	7-8			
	2xDMVP 12 -09	4	9-12			
	2xDMVP 12 -10	4	13-18			
	2xDMVP 12 -11	5,5	18-20			
TRIPLE PUMP	2xDMVP 12 -12	5,5	20-22	90-150	500	
	2xDMVP 12 -13	5,5	22-24			
	3xDMVP 12 -05	2,2	1-4			
	3xDMVP 12 -06	2,2	2-6			
	3xDMVP 12 -07	3	5-7			
	3xDMVP 12 -08	3	7-8			
	3xDMVP 12 -09	4	9-12			
	3xDMVP 12 -10	4	13-18			
3xDMVP 12 -11	5,5	18-20				
3xDMVP 12 -12	5,5	20-22				
3xDMVP 12 -13	5,5	22-24	750			

Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.

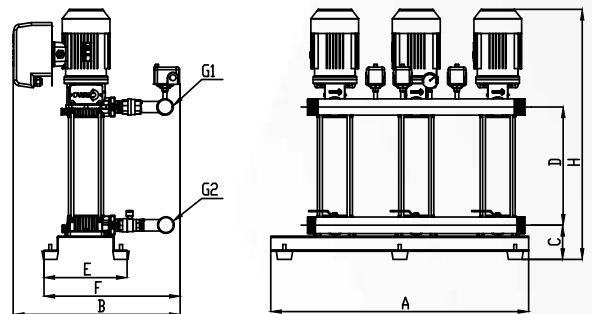
	A	B	C	D	H	E	F	G1	G2
1XDMVP 12-05-2,2 KW	350	512	126	284	792	306	400	1 1/2"	
1XDMVP 12-06-2,2 KW				322	830				
1XDMVP 12-07-3 KW		522		360	868				
1XDMVP 12-08-3 KW				398	906				
1XDMVP 12-09-4 KW		532		436	944				
1XDMVP 12-10-4 KW				474	982				
1XDMVP 12-11-5,5 KW		554		512	1020				
1XDMVP 12-12-5,5 KW				550	1058				
1XDMVP 12-13-5,5 KW				588	1096				



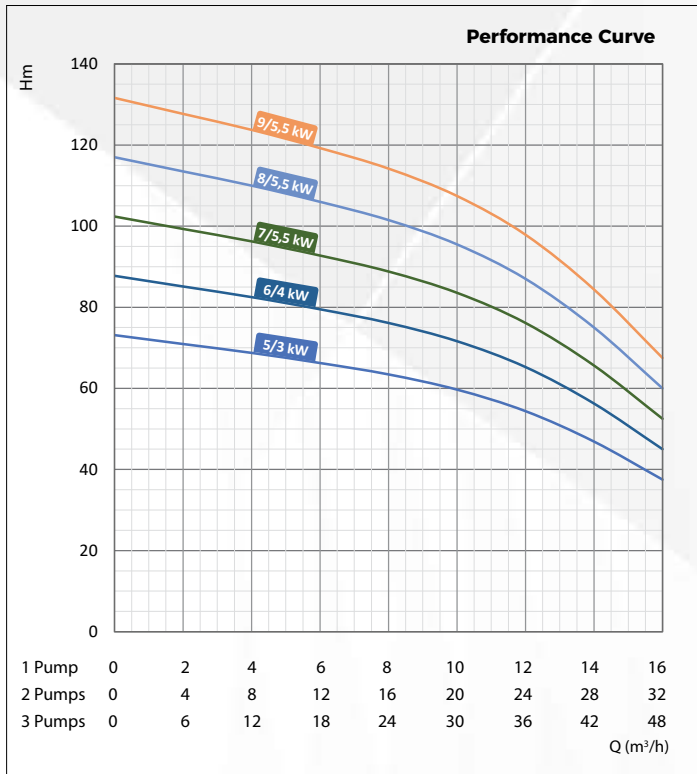
	A	B	C	D	H	E	F	G1	G2
2XDMVP 12-05-2,2 KW	650	618	126	284	792	306	515	2 1/2"	
2XDMVP 12-06-2,2 KW				322	830				
2XDMVP 12-07-3 KW		628		360	868				
2XDMVP 12-08-3 KW				398	906				
2XDMVP 12-09-4 KW		638		436	944				
2XDMVP 12-10-4 KW				474	982				
2XDMVP 12-11-5,5 KW		660		512	1020				
2XDMVP 12-12-5,5 KW				550	1058				
2XDMVP 12-13-5,5 KW				588	1096				



	A	B	C	D	H	E	F	G1	G2
3XDMVP 12-05-2,2 KW	950	618	126	284	792	306	515	2 1/2"	
3XDMVP 12-06-2,2 KW				322	830				
3XDMVP 12-07-3 KW		628		360	868				
3XDMVP 12-08-3 KW				398	906				
3XDMVP 12-09-4 KW		638		436	944				
3XDMVP 12-10-4 KW				474	982				
3XDMVP 12-11-5,5 KW		660		512	1020				
3XDMVP 12-12-5,5 KW				550	1058				
3XDMVP 12-13-5,5 KW				588	1096				



DMVP 16 SERIES

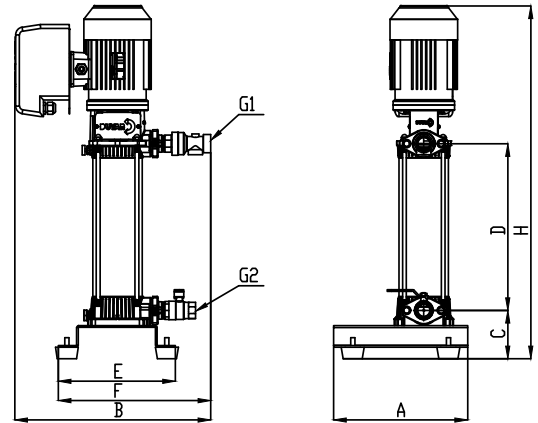


PRODUCT LIST

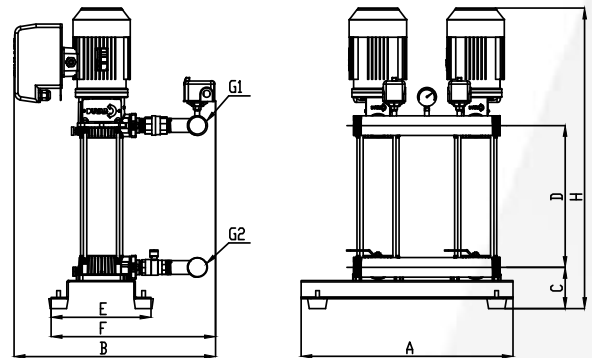
	Booster Type	Motor Power (kW)	Number of Floors	Number of Flats	Recommended Minimum Balance Tank to Use (lt)	Collector Inlet / Outlet
SINGLE PUMP	1xDMVP 16 -5	3	6-8	40-75	500	1 1/2" - 1 1/2"
	1xDMVP 16 -6	4	6-8			
	1xDMVP 16 -7	5,5	9-12			
	1xDMVP 16 -8	5,5	13-18			
	1xDMVP 16 -9	5,5	13-18			
DUAL PUMP	2xDMVP 16 -5	3	6-8	80-150	750	2 1/2" - 2 1/2"
	2xDMVP 16 -6	4	6-8			
	2xDMVP 16 -7	5,5	9-12			
	2xDMVP 16 -8	5,5	13-18			
	2xDMVP 16 -9	5,5	13-18			
TRIPLE PUMP	3xDMVP 16 -5	3	6-8	120-225	750	2 1/2" - 2 1/2"
	3xDMVP 16 -6	4	6-8			
	3xDMVP 16 -7	5,5	9-12			
	3xDMVP 16 -8	5,5	13-18			
	3xDMVP 16 -9	5,5	13-18			

**"Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used."

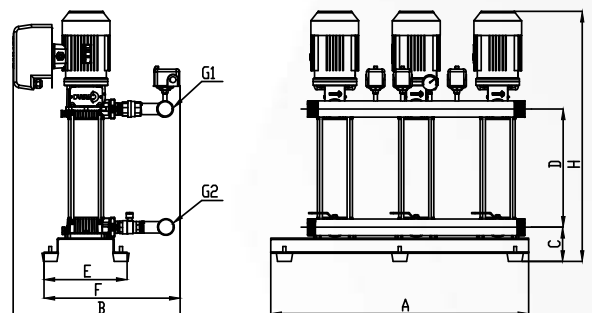
	A	B	C	D	H	E	F	G1	G2
1XDMVP 16-05-3 KW	350	522	126	284	792	306	400	1 1/2"	
1XDMVP 16-06-4KW		532		322	830				
1XDMVP 16-07-5,5 KW		554		360	868				
1XDMVP 16-08-5,5 KW				398	906				
1XDMVP 16-09-5,5 KW				436	944				



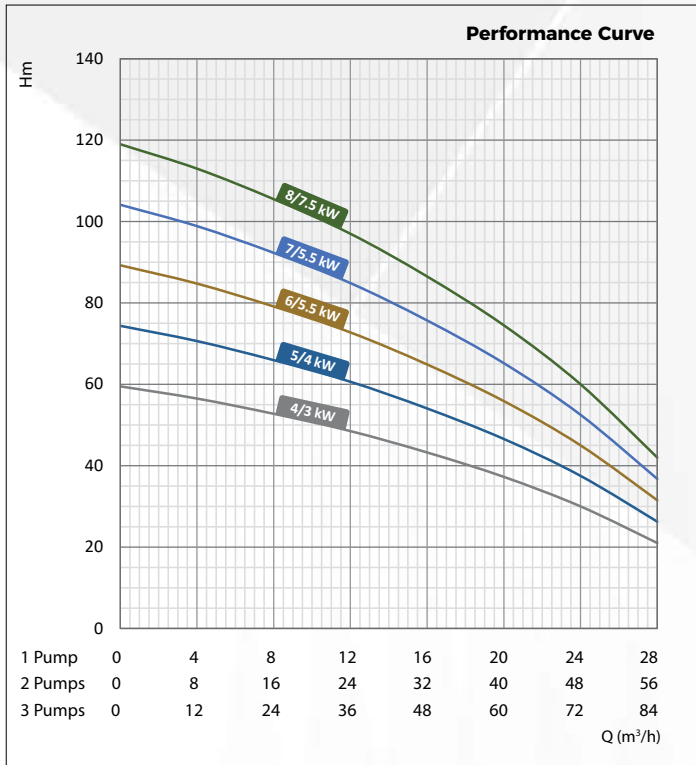
	A	B	C	D	H	E	F	G1	G2
2XDMVP 16-05-3 KW	650	628	126	284	792	306	515	2 1/2"	
2XDMVP 16-06-4KW		638		322	830				
2XDMVP 16-07-5,5 KW		660		360	868				
2XDMVP 16-08-5,5 KW				398	906				
2XDMVP 16-09-5,5 KW				436	944				



	A	B	C	D	H	E	F	G1	G2
3XDMVP 16-05-3 KW	950	628	126	284	792	306	515	2 1/2"	
3XDMVP 16-06-4KW		638		322	830				
3XDMVP 16-07-5,5 KW		660		360	868				
3XDMVP 16-08-5,5 KW				398	906				
3XDMVP 16-09-5,5 KW				436	944				



DMVP 32 SERIES

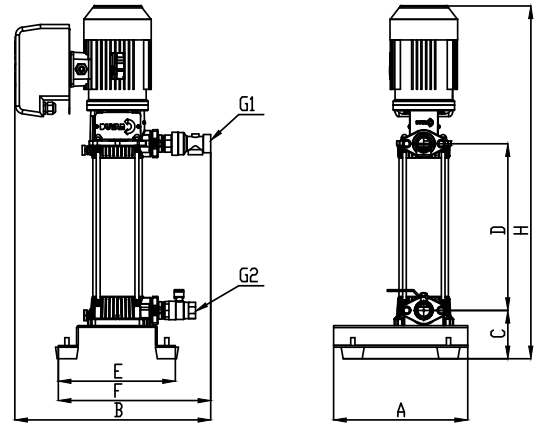


PRODUCT LIST

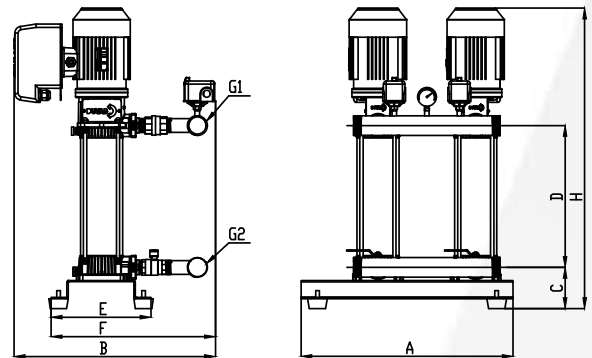
	Booster Type	Motor Power (kW)	Number of Floors	Number of Flats	Recommended Minimum Balance Tank to Use (lt)	Collector Inlet / Outlet
SINGLE PUMP	1xDMVP 32-04	3	1-4	80-120	500	2" - 1-1/2"
	1xDMVP 32-05	4	5-7			
	1xDMVP 32-06	5,5	8-9			
	1xDMVP 32-07	5,5	9-11			
	1xDMVP 32-08	7,5	10-12			
DUAL PUMP	2xDMVP 32-04	3	1-4	160-240	750	3" - 3"
	2xDMVP 32-05	4	5-7			
	2xDMVP 32-06	5,5	8-9			
	2xDMVP 32-07	5,5	9-11			
	2xDMVP 32-08	7,5	10-12			
TRIPLE PUMP	3xDMVP 32-04	3	1-4	240-360	750	4" - 3"
	3xDMVP 32-05	4	5-7			
	3xDMVP 32-06	5,5	8-9			
	3xDMVP 32-07	5,5	9-11			
	3xDMVP 32-08	7,5	10-12			

Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.

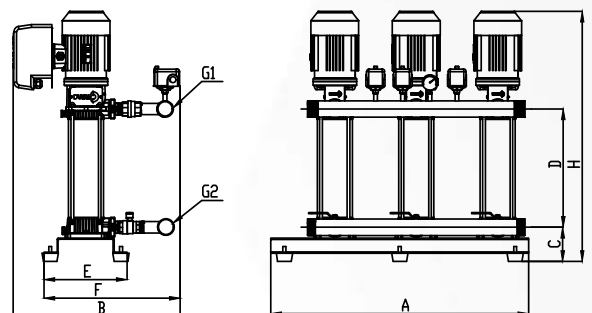
	A	B	C	D	H	E	F	G1	G2
1XDMVP 32-04-3 KW	350	532	126	320	830	306	410	1 1/2"	2"
1XDMVP 32-05-4 KW		542		376	884				
1XDMVP 32-06-5,5 KW		564	433	941					
1XDMVP 32-07-5,5 KW			489	997					
1XDMVP 32-08-7,5 KW			546	1054					



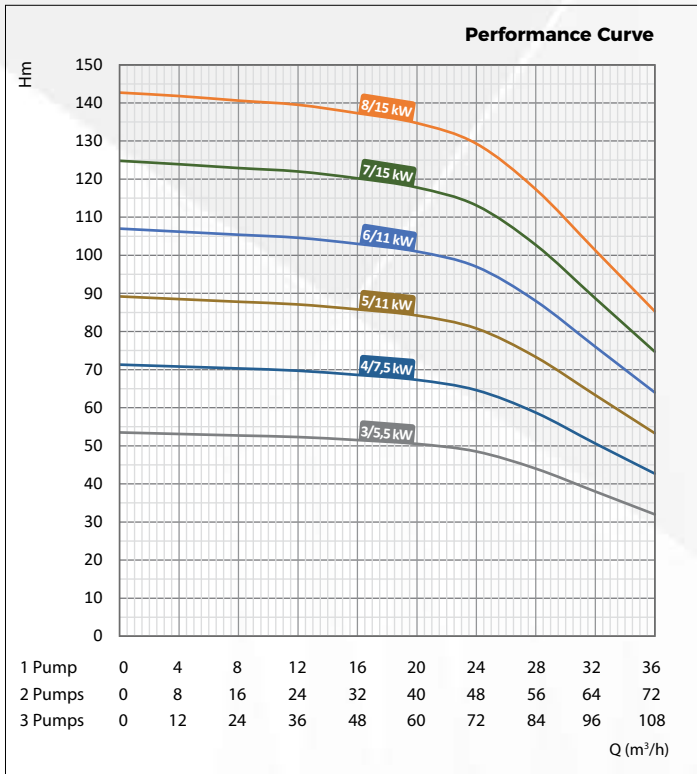
	A	B	C	D	H	E	F	G1	G2
2XDMVP 32-04-3 KW	650	638	126	320	830	306	525	3"	3"
2XDMVP 32-05-4 KW		648		376	884				
2XDMVP 32-06-5,5 KW		670	433	941					
2XDMVP 32-07-5,5 KW			489	997					
2XDMVP 32-08-7,5 KW			546	1054					



	A	B	C	D	H	E	F	G1	G2
3XDMVP 32-04-3 KW	950	658	126	320	830	306	545	3"	4"
3XDMVP 32-05-4 KW		668		376	884				
3XDMVP 32-06-5,5 KW		690	433	941					
3XDMVP 32-07-5,5 KW			489	997					
3XDMVP 32-08-7,5 KW			546	1054					



DMVP 36 SERIES

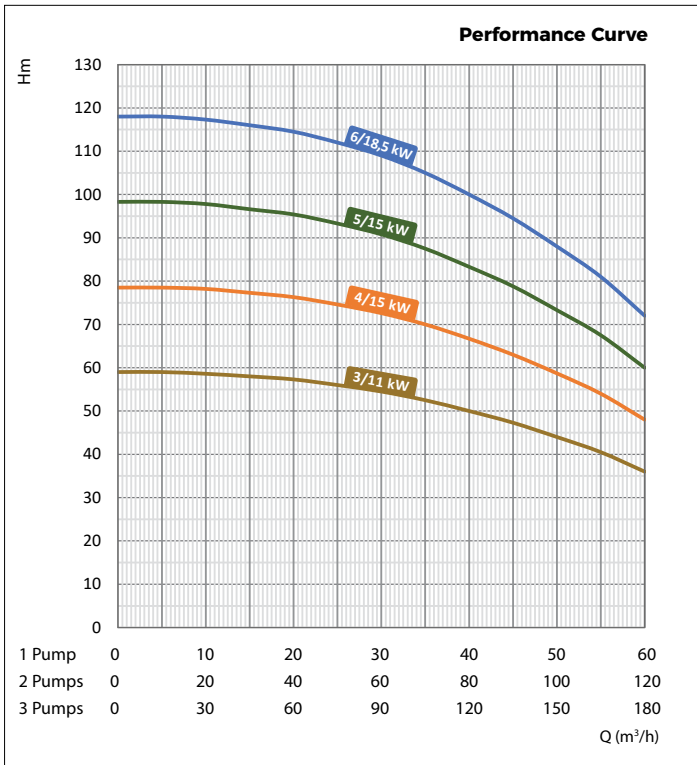


PRODUCT LIST

	Booster Type	Motor Power (kW)	Number of Floors	Number of Flats	Recommended Minimum Balance Tank to Use (ft)	Collector Inlet / Outlet
SINGLE PUMP	1xDMVP 36-03	5,5	1-4	120-240	750	2 1/2"-2"
	1xDMVP 36-04	7,5	5-7		750	2 1/2"-2"
	1xDMVP 36-05	11	8-10		750	2 1/2"-2"
	1xDMVP 36-06	11	11-12		1000	2 1/2"-2"
	1xDMVP 36-07	15	13-15		1000	2 1/2"-2"
	1xDMVP 36-08	15	16-17		1000	2 1/2"-2"
DUAL PUMP	2xDMVP 36-03	5,5	1-4	240-480	750	3"- 3"
	2xDMVP 36-04	7,5	5-7		750	3"- 3"
	2xDMVP 36-05	11	8-10		750	3"- 3"
	2xDMVP 36-06	11	11-12		1000	3"- 3"
	2xDMVP 36-07	15	13-15		1000	3"- 3"
	2xDMVP 36-08	15	16-17		1000	3"- 3"
TRIPLE PUMP	3xDMVP 36-03	5,5	1-4	480-720	750	4"- 3"
	3xDMVP 36-04	7,5	5-7		750	4"- 3"
	3xDMVP 36-05	11	8-10		750	4"- 3"
	3xDMVP 36-06	11	11-12		1000	4"- 3"
	3xDMVP 36-07	15	13-15		1000	4"- 3"
	3xDMVP 36-08	15	16-17		1000	4"- 3"

Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.

DMVP 60 SERIES



PRODUCT LIST

	Booster Type	Motor Power (kW)	Number of Floors	Number of Flats	Recommended Minimum Balance Tank to Use (lt)	Collector Inlet / Outlet
SINGLE PUMP	1xDMVP 60-03	11	1-5	200-400	1000	3"-2 1/2"
	1xDMVP 60-04	15	6-8		1000	3"-2 1/2"
	1xDMVP 60-05	15	9-11		1000	3"-2 1/2"
	1xDMVP 60-06	18,5	12-14		1000	3"-2 1/2"
DUAL PUMP	2xDMVP 60-03	11	1-5	400-800	1000	DN100-3"
	2xDMVP 60-04	15	6-8		1000	DN100-3"
	2xDMVP 60-05	15	9-11		1000	DN100-3"
	2xDMVP 60-06	18,5	12-14		1000	DN100-3"
TRIPLE PUMP	3xDMVP 60-03	11	1-5	800-1200	1000	DN125-DN100
	3xDMVP 60-04	15	6-8		1000	DN125-DN100
	3xDMVP 60-05	15	9-11		1000	DN125-DN100
	3xDMVP 60-06	18,5	12-14		1000	DN125-DN100

Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.

DMVP SS SERIES VERTICAL SHAFT MULTISTAGE BOOSTERS



Material Properties	
Standard	EN-DIN
Pump Body	AISI 304 - Stainless Steel
Shaft	AISI 420 - Stainless Steel
Impeller/Diffuser	AISI 304 - Stainless
Suction - Discharge Body	GG25 - Cast Iron
Mechanical Seal	Carbon / Ceramic

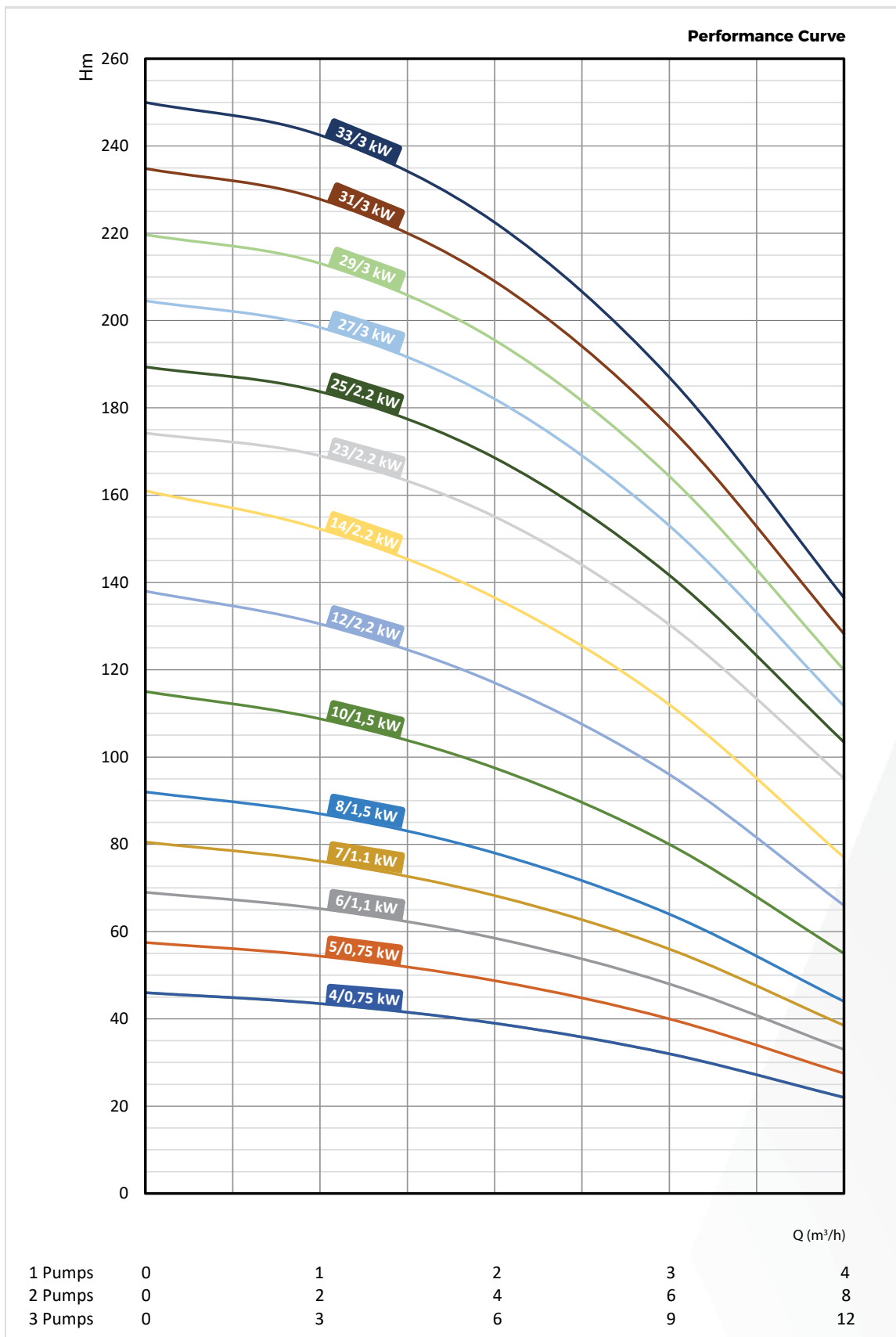
DOMESTIC WATER BOOSTER

Technical Specifications	
Flow	2 - 60 m ³ /h
Pump head	20 - 150 mSS
Operating pressure	16 Bar (Max.)
Temperature Range	0 - 50 °C
Speed	2900 rev/min
Input - Output	DN100-DN80
Strength	From 0.75 kW to 15 kW
Panel	Fully automatic, Co-aging, Optional: with Frequency Converter

System Equipment

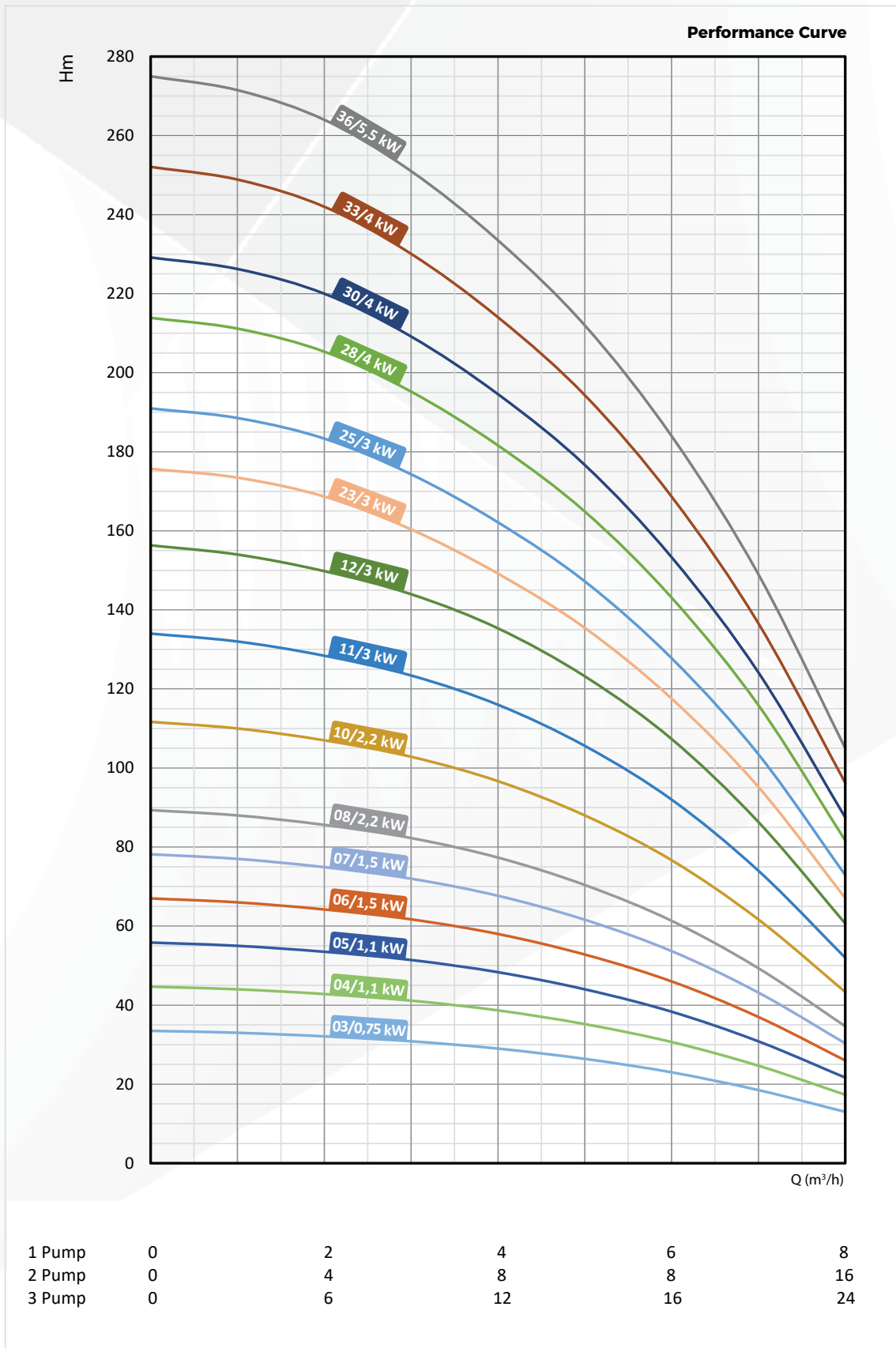
- Manometer
- Suction and discharge collectors
- Full bore ball valves
- Check valves
- Corded level floater to prevent running without water
- Fully automatic electrical control panel mounted on the chassis.
(Direct start <0.75 kW <Star delta starting)
- Rotation (row control) system that distributes the operating time equally between the pumps.
- Specially manufactured elastic wedges that prevent vibration

DMVP SS 3 SERIES



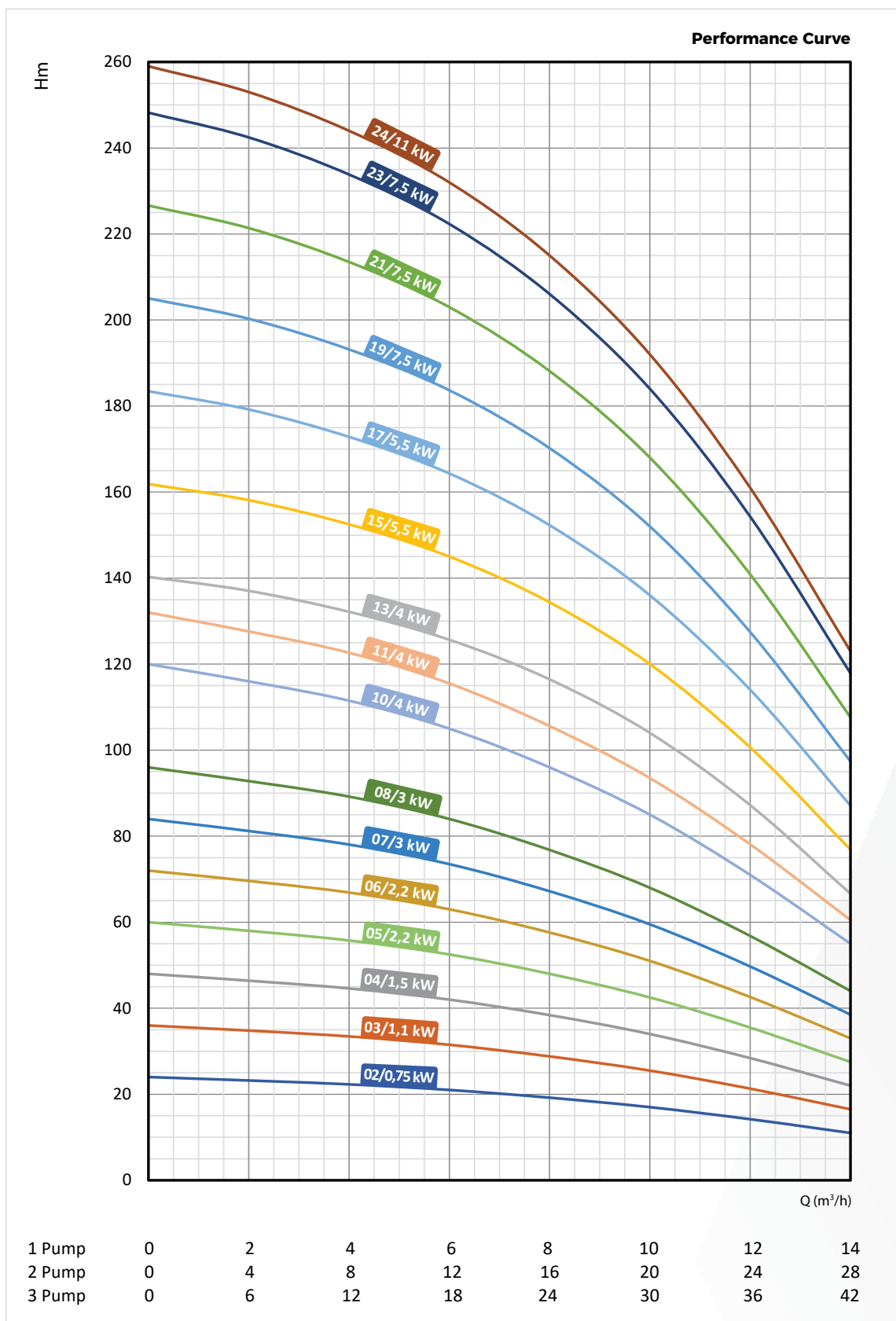
Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.

DMVP SS 5 SERIES



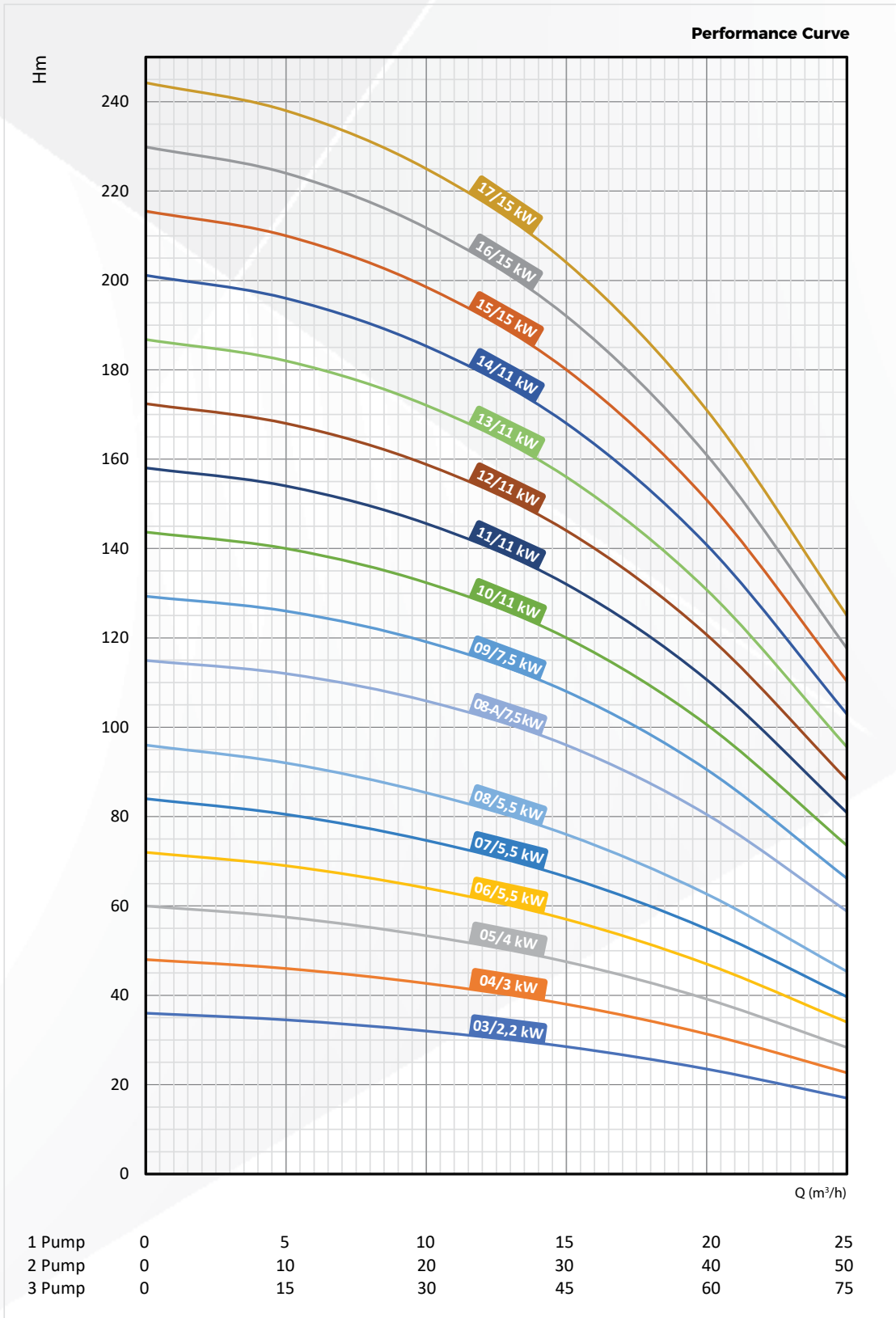
**“Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.”

DMVP SS 9 SERIES



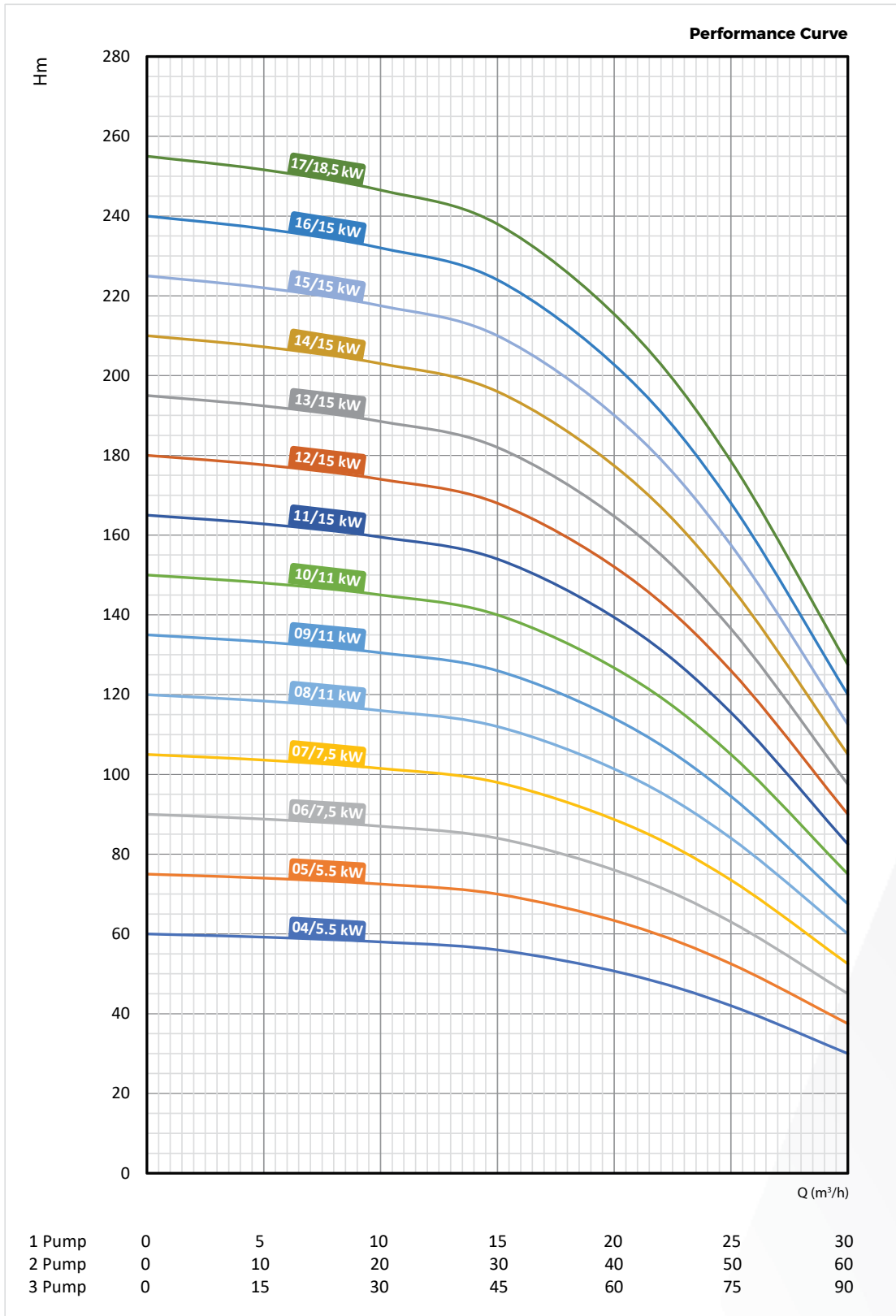
**“Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.”

DMVP SS 16 SERIES



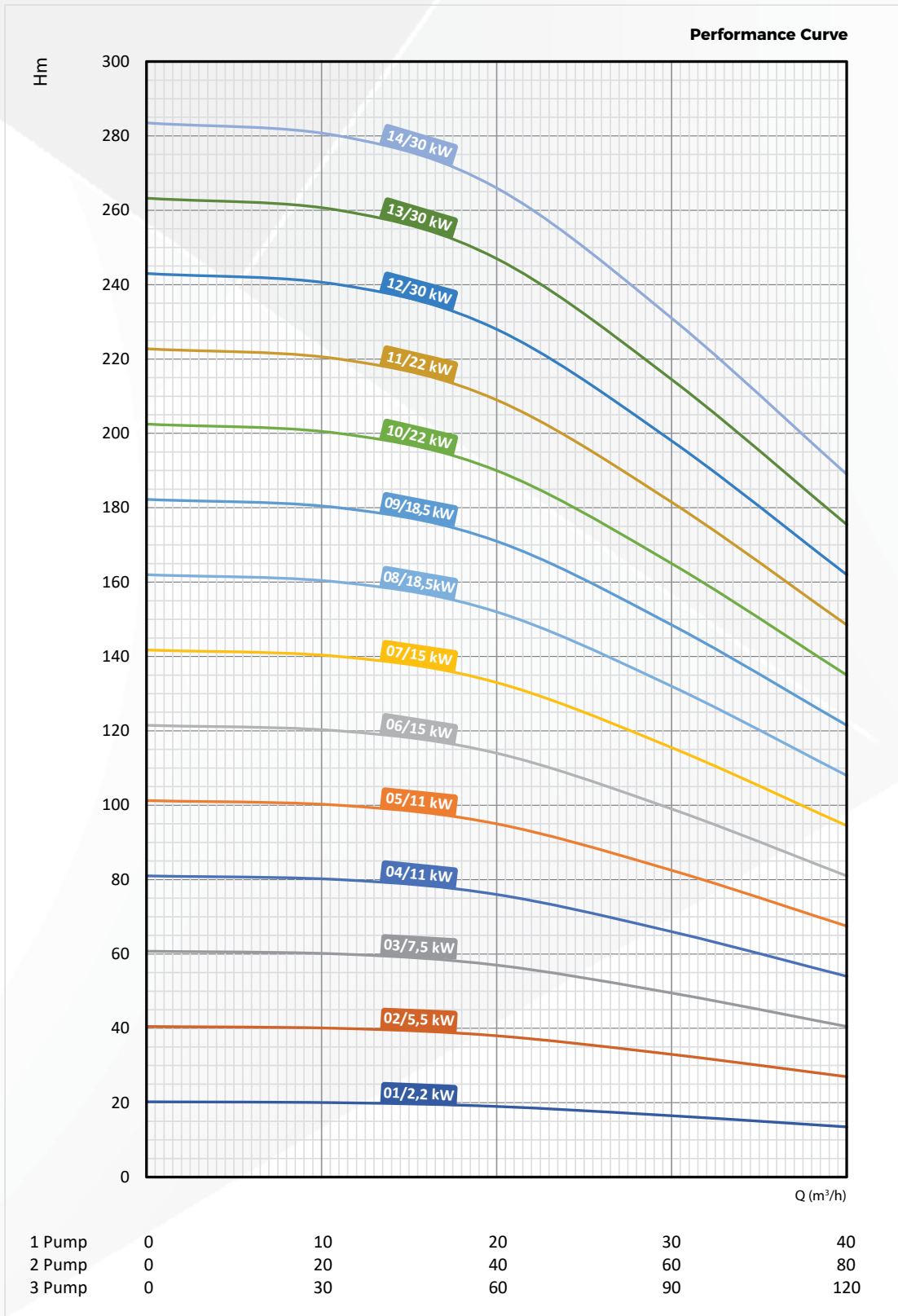
Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.

DMVP SS 20 SERIES



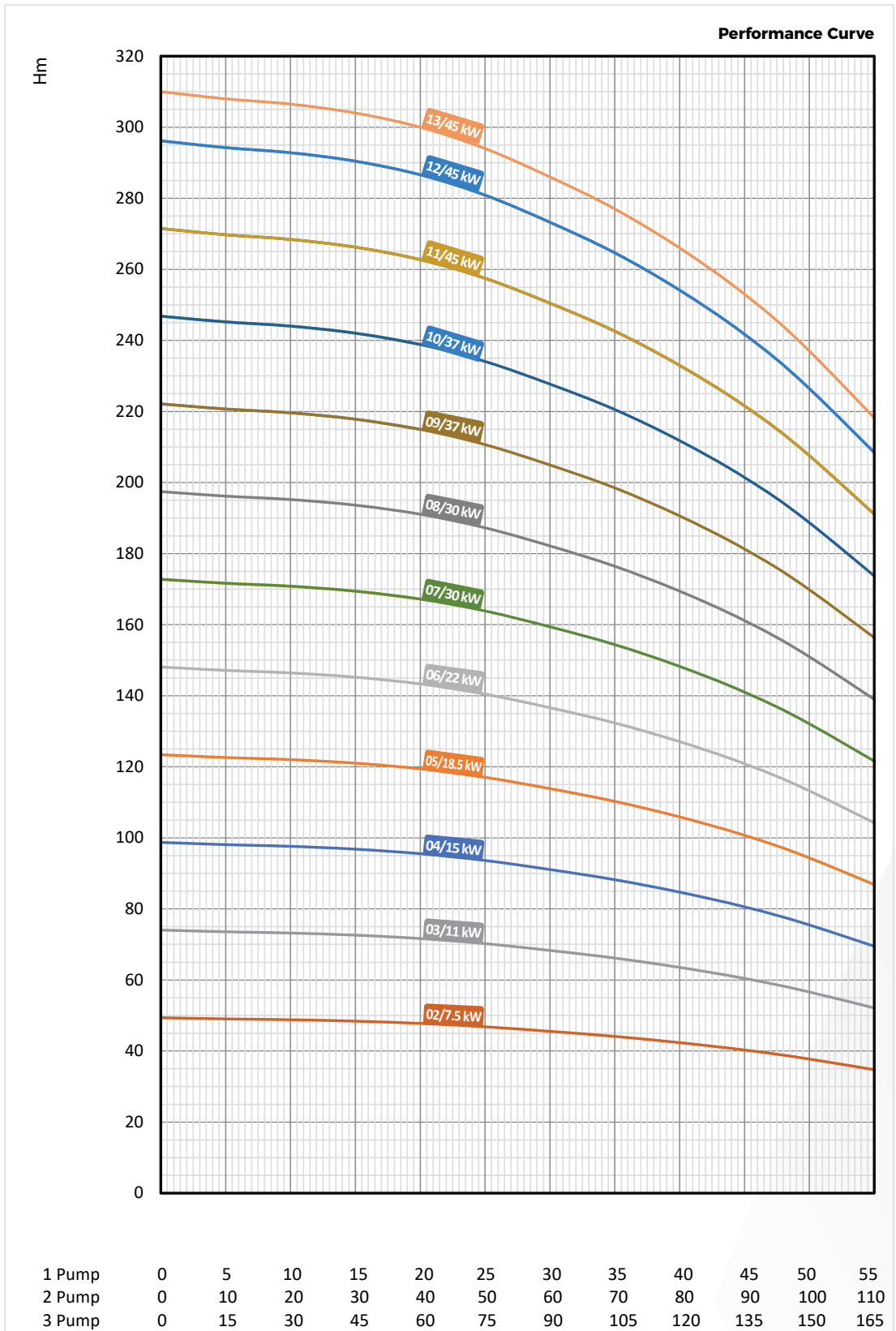
Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.

DMVP SS 32 SERIES



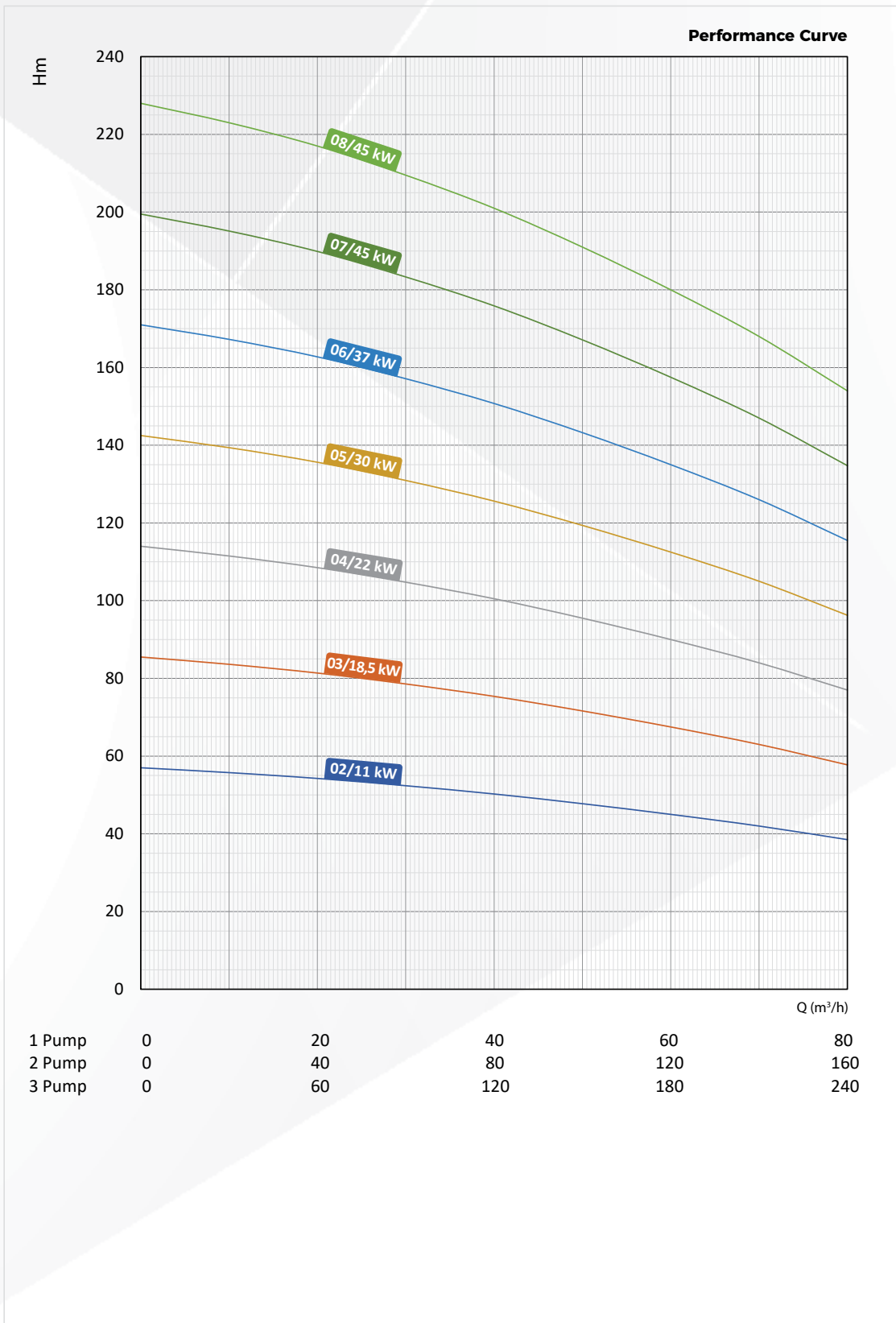
“Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.”

DMVP SS 45 SERIES



Frequency controlled panel on motor between 0.75 kW - 7.5 kW is used.

DMVP SS 65 SERIES



DMVP SS 95 SERIES

