

-  Clean water
-  Domestic use
-  Civil use



INSTALLATION AND USE

GPW is a pre-assembled system designed to connect to water mains or a primary collection tanks. It provides water supply and pressurization and is ideal for residential, commercial, and public buildings. It's also suitable for hotels, park irrigation, as well as industrial water handling and treatment.

GPW is compatible with clean water and aqueous solutions that do not chemically or mechanically harm the materials used and are free from abrasive or fibrous substances.

PRODUCT DESCRIPTION

GPW is a variable speed pressurization system **comprising two or three pumps** assembled into one unit. It is electronically controlled by two or three **STEADYPRES** devices connected in parallel. These devices automatically adjust the pump operation based on the system's varying water demands, ensuring constant pressure.

When water withdrawal reduces the system pressure, the first pump activates to meet the required flow rate, maintaining pressure at the set value. As the maximum rotation speed is reached, additional pumps start up in sequence to fulfill the system's water demand.

COMPONENTS

- ※ **Pumps** connected in parallel via suction and discharge manifolds. Each pump is equipped with a ball valve on the suction side and a ball valve and non-return valve (integrated in STEADYPRES) on the discharge side.
- ※ **BASE** made of metal profile and equipped with adjustable vibration-damping feet.
- ※ **STEADYPRES ELECTRONIC DEVICES** installed directly on the delivery pipe of each individual pump. They continuously regulate the rotation speed, ensuring a constant pressure even as user demands fluctuate. Each inverter can manage the alternating operation of pumps as needed.

GPW is designed to protect the system from:

- ※ Dry running
- ※ overvoltage and undervoltage
- ※ **CONTROL PANEL** equipped with magnetothermal motor protection circuit breakers for three-phase versions, and magnetothermal circuit breakers for single-phase versions.
- ※ **POWER SUPPLY:**
 - GPWm: single-phase 230V $\pm 10\%$ 50/60Hz
 - GPW : three-phase 400V $\pm 10\%$ 50/60Hz



GP2W – FCR

Pressurization units comprising two multistage centrifugal pumps equipped with STEADYPRES inverters capable of maintaining a constant pressure in the system. The GP2W - FCR are suitable for domestic and residential water supply, garden irrigation, and general clean water handling.

TECHNICAL DATA

- Liquid temperature up to **+40 °C**
- Ambient temperature between **0 °C** and **+40 °C**
- Max. pressure in the pump body **7 bar**
- Continuous running duty **S1**



GP2W – MK

Pressurization units comprising three vertical multistage pumps equipped with STEADYPRES inverters, capable of maintaining constant pressure in the system. GP2W - MK are suitable for residential, commercial, and public water supply, large-scale irrigation, and handling clean water in general.

TECHNICAL DATA

- Liquid temperature up to **+40 °C**
- Ambient temperature between **0 °C** and **+40 °C**
- Max. pressure in pump body **10 bar**
- Continuous running duty **S1**



GP3W – MK

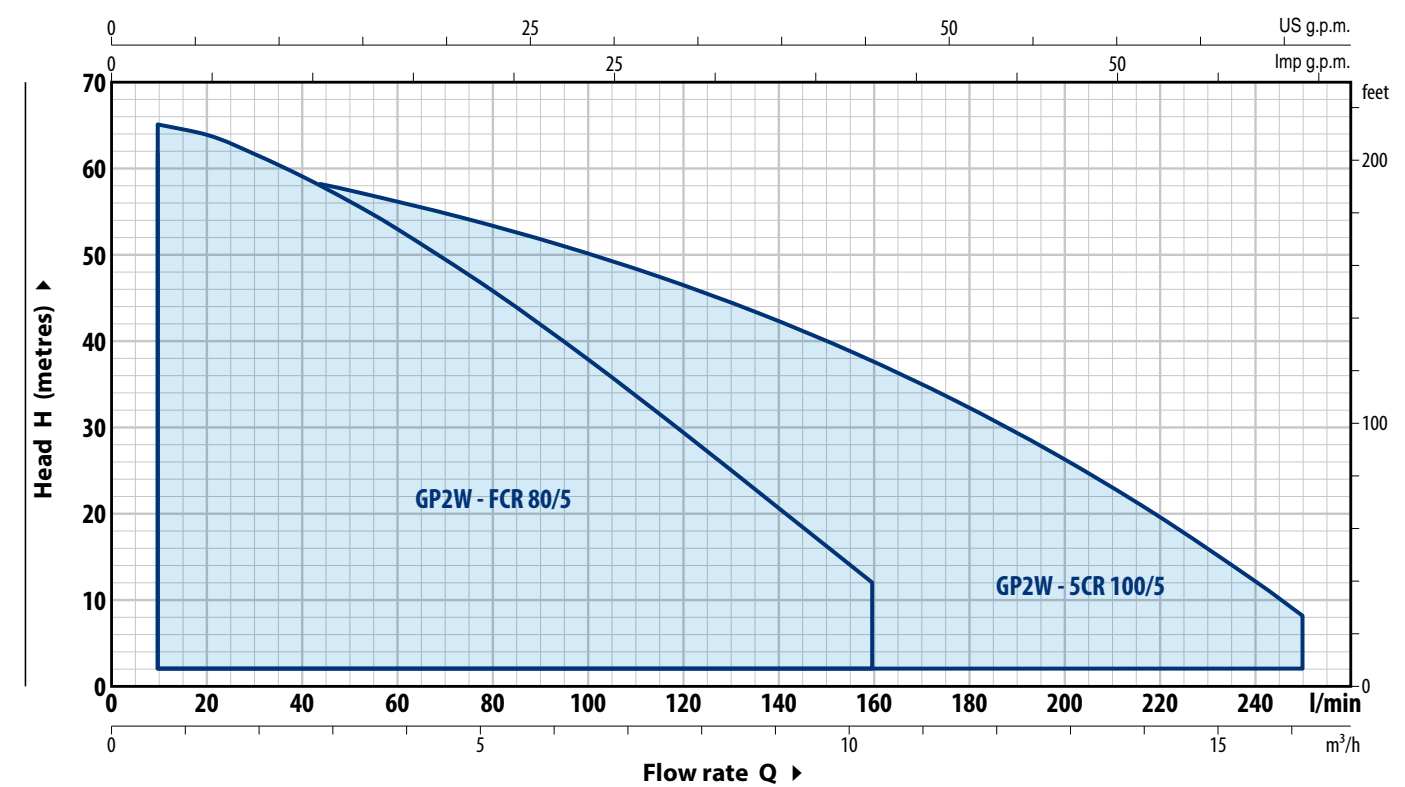
Pressurization units comprising three vertical multistage pumps equipped with STEADYPRES inverters capable of maintaining constant pressure in the system. GP3W - MK are suitable for residential, commercial, and public water supply, large-scale irrigation, and handling clean water in general.

TECHNICAL DATA

- Liquid temperature up to **+40 °C**
- Ambient temperature between **0 °C** and **+40 °C**
- Max. pressure in pump body **10 bar**
- Continuous running duty **S1**

GP2W – FCR

FIELD AND PERFORMANCE DATA

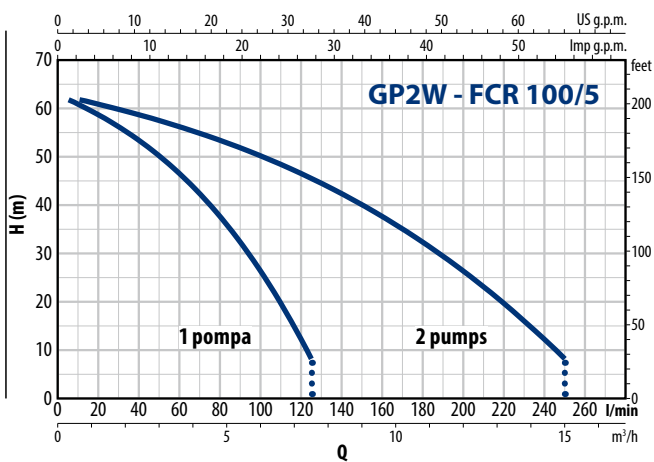
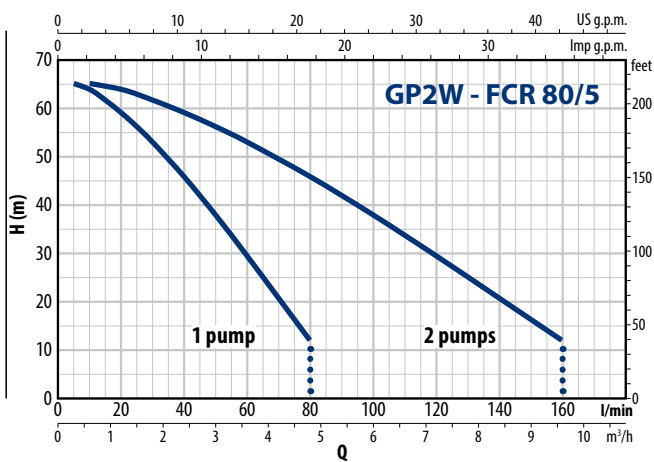


MODEL		POWER P ₂		Q															
Single-phase	Three-phase	kW	HP		m³/h	0	0.3	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.2	15
					l/min	0	5	20	40	60	80	100	120	140	160	180	200	220	250
GP2Wm - FCR 80/5	GP2W - FCR 80/5	2x0.75	2x1	H m		67	66	64	59	53	46	38	29.5	21	12				
GP2Wm - FCR 100/5	GP2W - FCR 100/5	2x0.9	2x1.25			63	62	61	59	56.5	54	50.5	47	43	38	32.5	26.5	20	8

Q = Flow rate H = Total manometric head

✖ The data shown in the diagram and tables indicate performance with 2 pumps in operation

PERFORMANCE CURVES

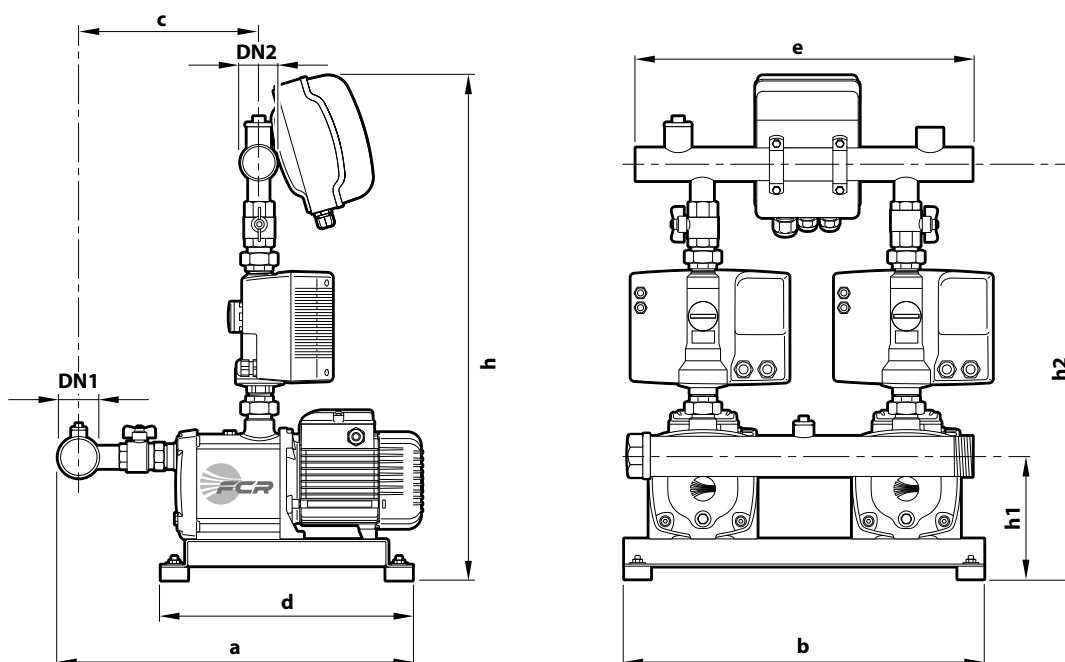


ABSORPTION

MODEL Single-phase	VOLTAGE 230 V
GP2Wm - 5CR 80	2 x 8.5 A
GP2Wm - 5CR 100	2 x 9.5 A

MODEL Three-phase	VOLTAGE 400 V
GP2W - 5CR 80	2 x 2.8 A
GP2W - 5CR 100	2 x 3.5 A

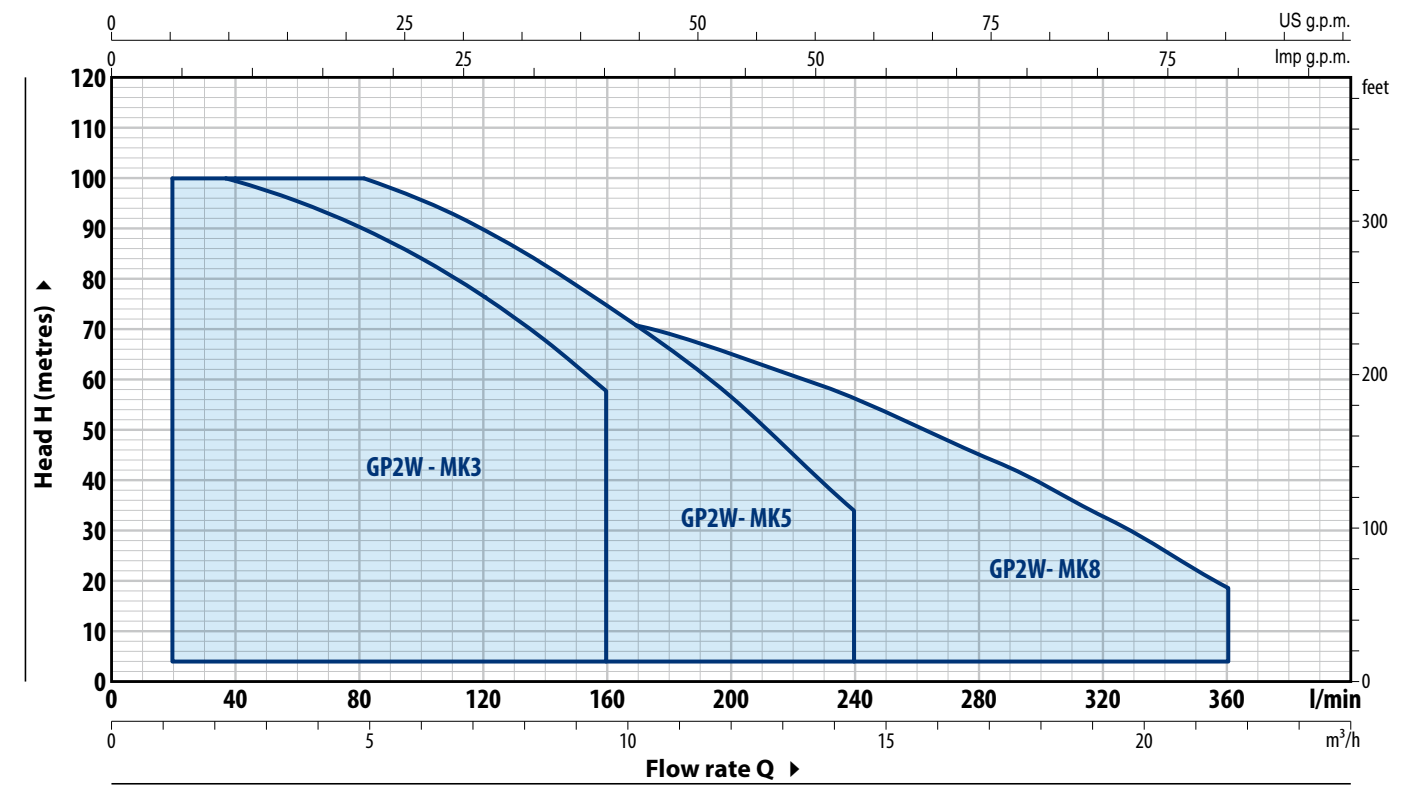
DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm										kg	
Single-phase	Three-phase	DN1	DN2	a	b	c	d	e	h		h1	h2		1~	3~
GP2Wm - FCR 80/5	GP2W - FCR 80/5	1½"	1½"	554	530	265	370	500	734	693	182	602	561	53	55
GP2Wm - FCR 100/5	GP2W - FCR 100/5	2"		563		269								54	56

GP2W – MK

FIELD AND PERFORMANCE DATA

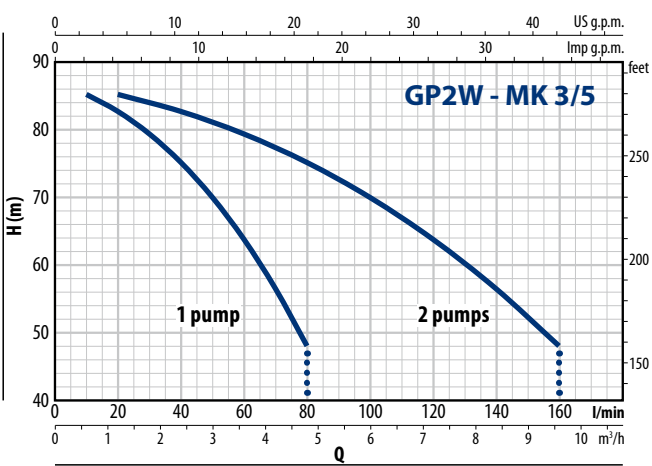
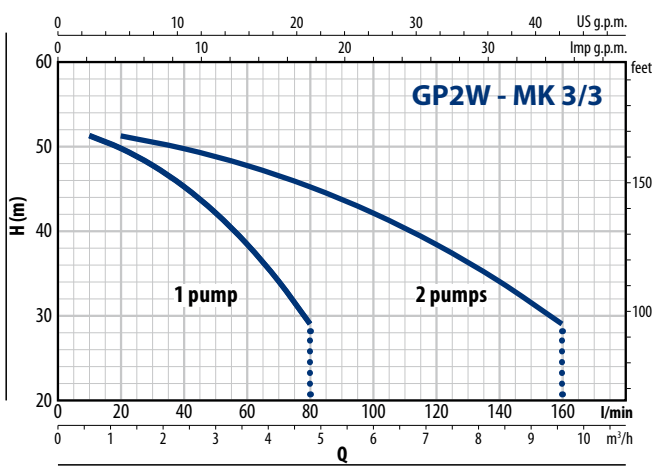


TYPE		POWER P ₂		Q	m ³ /h	0	1.2	2.4	4.8	7.2	9.6	12.0	14.7	16.8	19.2	21.6
Single-phase	Three-phase	kW	HP		l/min	0	20	40	80	120	160	200	240	280	320	360
GP2Wm - MK 3/3	GP2W - MK 3/3	2x0.75	2x1	H _m	52.5	51.5	50	45	38.5	29						
GP2Wm - MK 3/5	GP2W - MK 3/5	2x1.1	2x1.5		87	85	83	75	64	48						
GP2Wm - MK 3/6	GP2W - MK 3/6	2x1.5	2x2		100	100	100	90	77	58						
GP2Wm - MK 5/4	GP2W - MK 5/4	2x0.75	2x1		57	–	54	50	45	37.5	28.5	17				
GP2Wm - MK 5/5	GP2W - MK 5/5	2x1.1	2x1.5		71	–	67.5	62.5	56	47	35.5	21.5				
GP2Wm - MK 5/7	GP2W - MK 5/7	2x1.5	2x2		99	–	95	88	78	66	50	30				
GP2Wm - MK 5/8	GP2W - MK 5/8	2x2.2	2x3		100	–	100	100	90	75	57	34				
GP2Wm - MK 8/4	GP2W - MK 8/4	2x1.1	2x1.5		56	–	–	53.5	51	47.5	43	37.5	30.5	22	12	
GP2Wm - MK 8/5	GP2W - MK 8/5	2x1.5	2x2		70	–	–	67	64	59.5	54	47	38	27.5	15.5	
GP2Wm - MK 8/6	GP2W - MK 8/6	2x2.2	2x3		84	–	–	80	77	72	64.5	56	45.5	33	18.5	

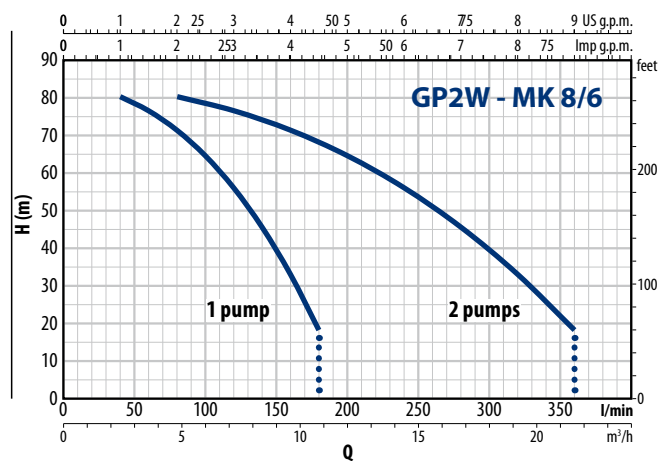
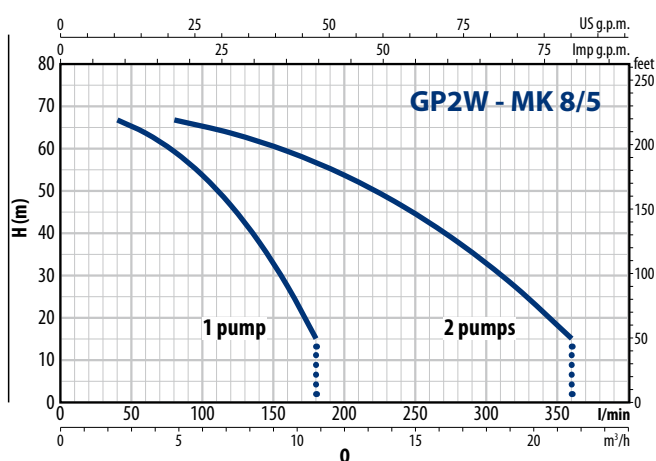
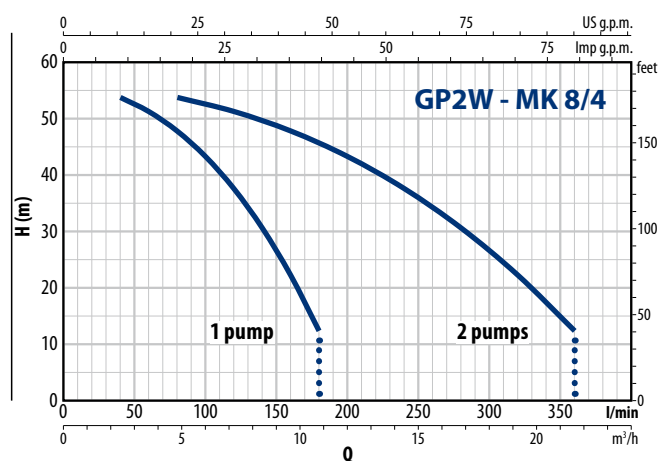
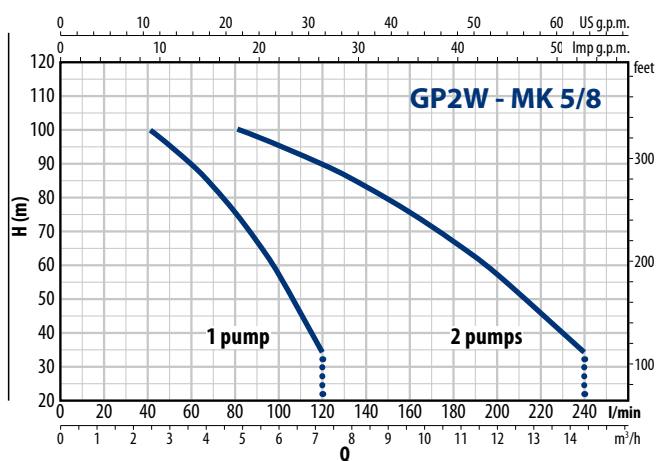
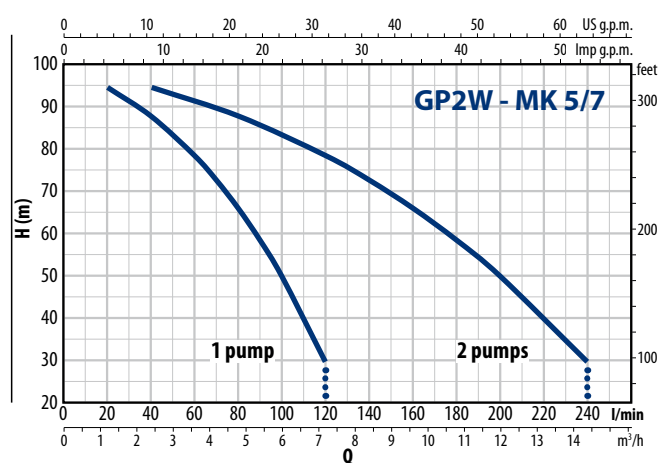
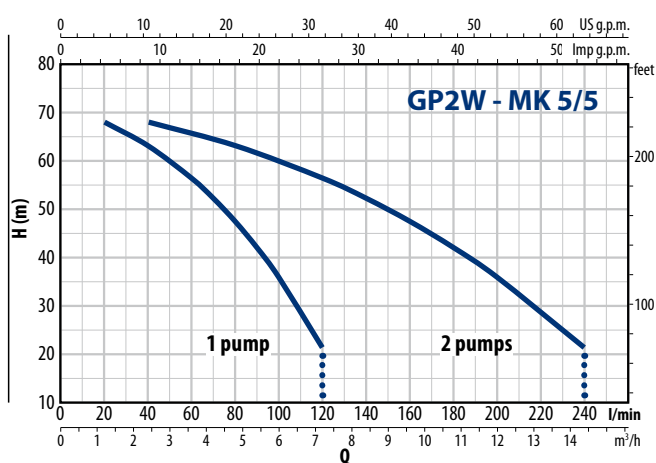
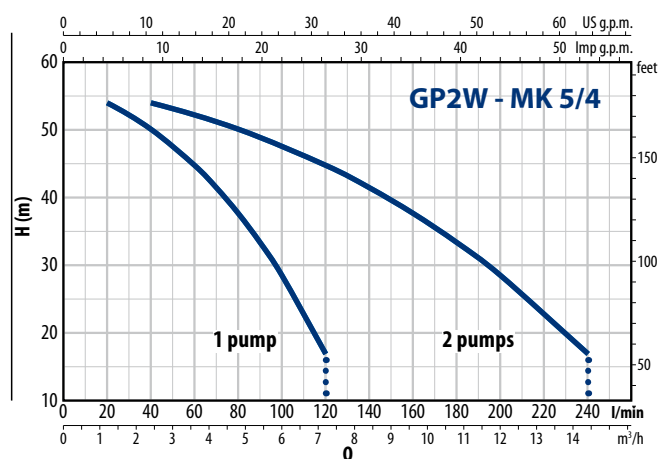
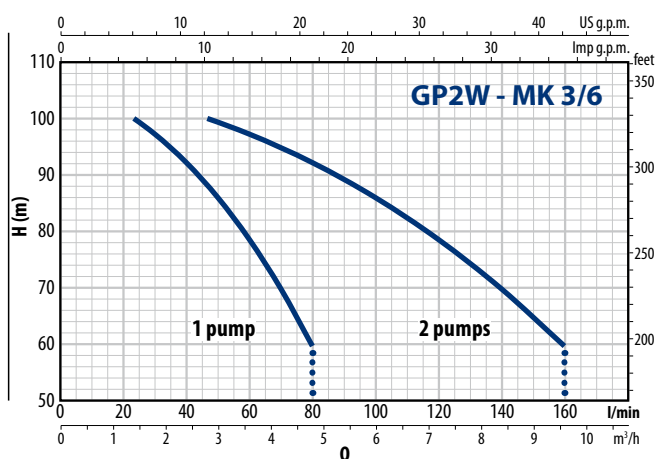
Q = Flow rate H = Total manometric head

✖ The data shown in the diagram and tables indicate performance with 2 pumps in operation

PERFORMANCE CURVES



PERFORMANCE CURVES



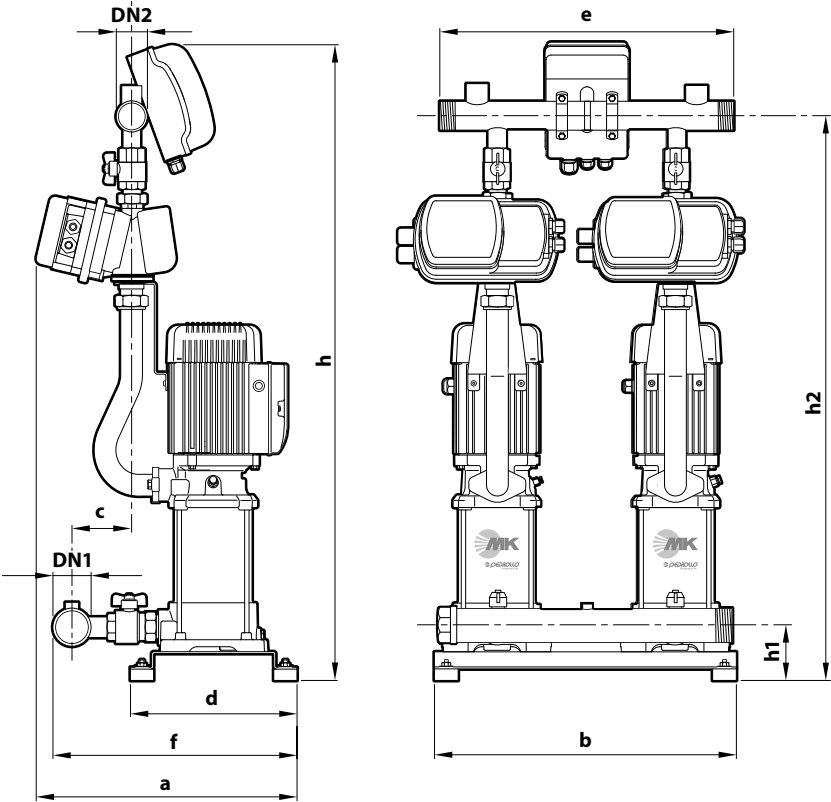
GP2W – MK

ABSORPTION

TIPO	TENSIONE
Monofase	230 V
GP2Wm - MK 3/3	2 x 9.0 A
GP2Wm - MK 3/5	2 x 12.5 A
GP2Wm - MK 3/6	2 x 14.0 A
GP2Wm - MK 5/4	2 x 9.0 A
GP2Wm - MK 5/5	2 x 11.0 A
GP2Wm - MK 5/7	2 x 13.5 A
GP2Wm - MK 5/8	2 x 16.0 A
GP2Wm - MK 8/4	2 x 12.5 A
GP2Wm - MK 8/5	2 x 14.0 A
GP2Wm - MK 8/6	2 x 18.0 A

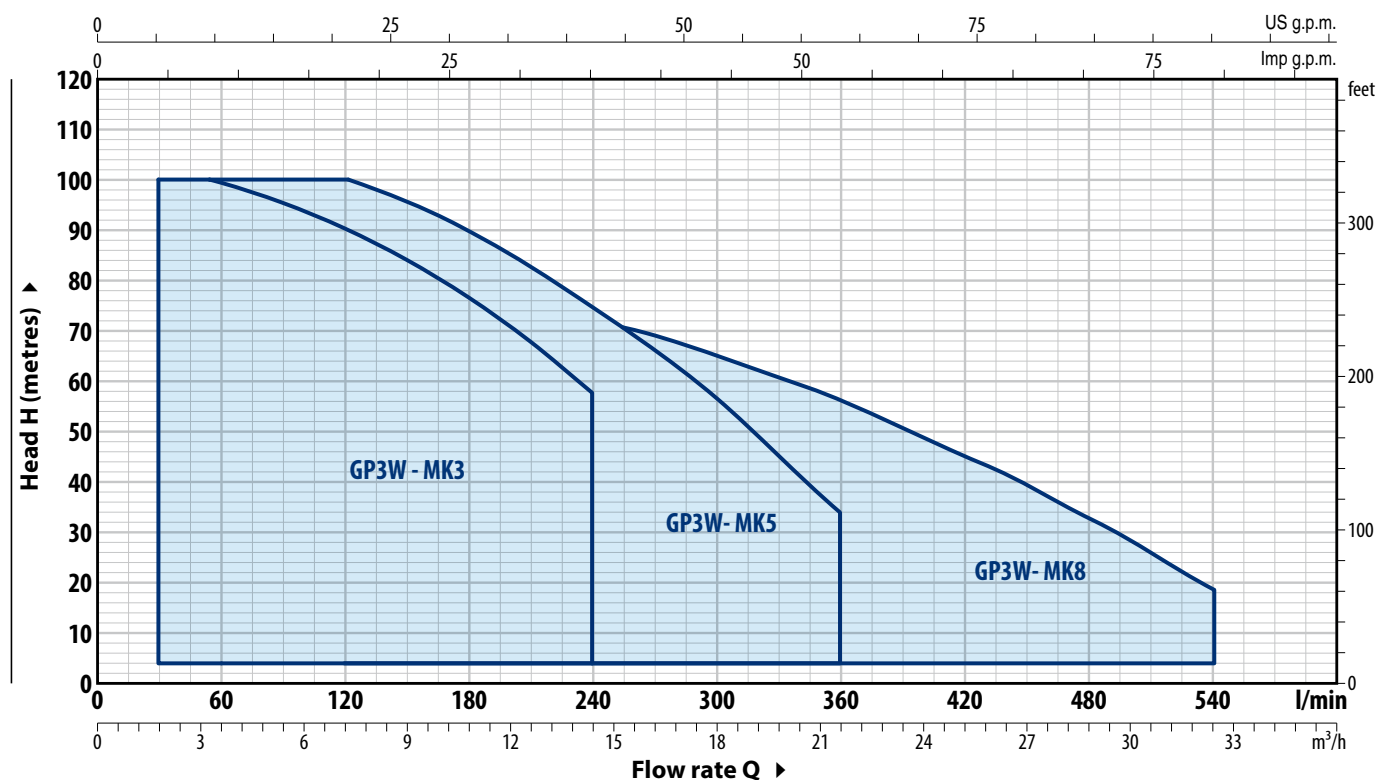
TIPO	TENSIONE
Trifase	400 V
GP2W - MK 3/3	2 x 3.3 A
GP2W - MK 3/5	2 x 4.2 A
GP2W - MK 3/6	2 x 5.0 A
GP2W - MK 5/4	2 x 3.3 A
GP2W - MK 5/5	2 x 4.0 A
GP2W - MK 5/7	2 x 5.0 A
GP2W - MK 5/8	2 x 6.0 A
GP2W - MK 8/4	2 x 4.2 A
GP2W - MK 8/5	2 x 5.0 A
GP2W - MK 8/6	2 x 6.5 A

DIMENSIONS AND WEIGHT



TYPE		PORTS		DIMENSIONS mm									kg	
Single-phase	Three-phase	DN1	DN2	a	b	c	d	e	f	h	h1	h2	1~	3~
GP2Wm - MK 3/3	GP2W - MK 3/3	2"	1½"	447	510	107	284	500	420	965	91	842	80.0	79.0
GP2Wm - MK 3/5	GP2W - MK 3/5									1019		896	84.0	84.0
GP2Wm - MK 3/6	GP2W - MK 3/6									1046		923	88.0	87.0
GP2Wm - MK 5/4	GP2W - MK 5/4									992		869	80.0	80.0
GP2Wm - MK 5/5	GP2W - MK 5/5									1019		896	83.0	83.0
GP2Wm - MK 5/7	GP2W - MK 5/7									1073		950	88.0	88.0
GP2Wm - MK 5/8	GP2W - MK 5/8									1100		977	89.0	88.0
GP2Wm - MK 8/4	GP2W - MK 8/4	2½"	2"			115			435	992		869	86.0	86.0
GP2Wm - MK 8/5	GP2W - MK 8/5									1019		896	87.0	86.0
GP2Wm - MK 8/6	GP2W - MK 8/6									1046		923	93.0	92.0

FIELD AND PERFORMANCE DATA



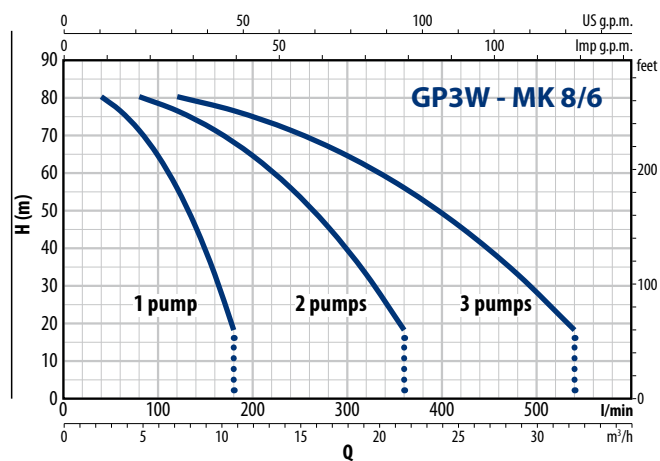
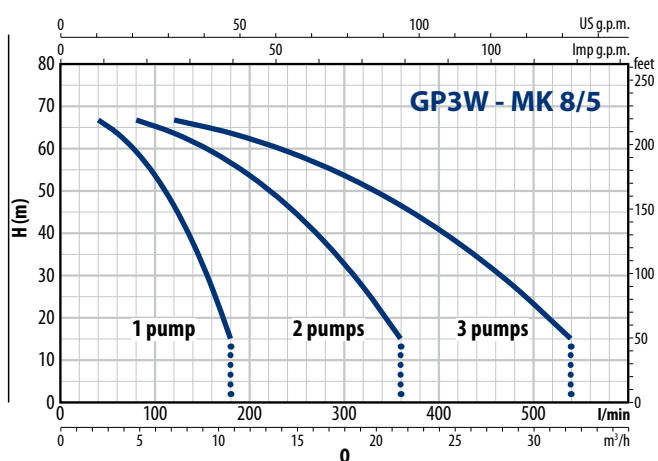
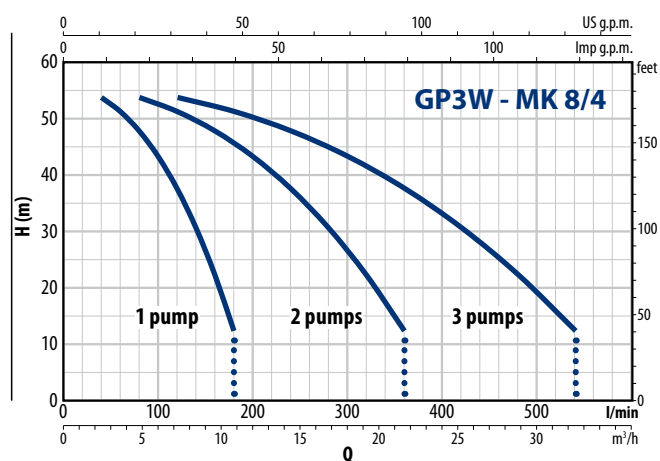
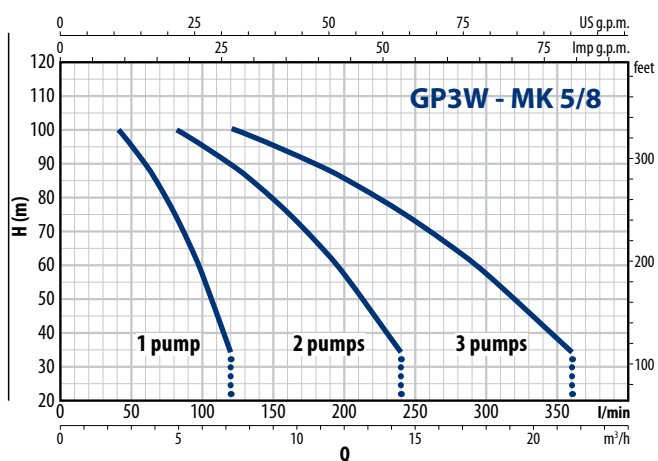
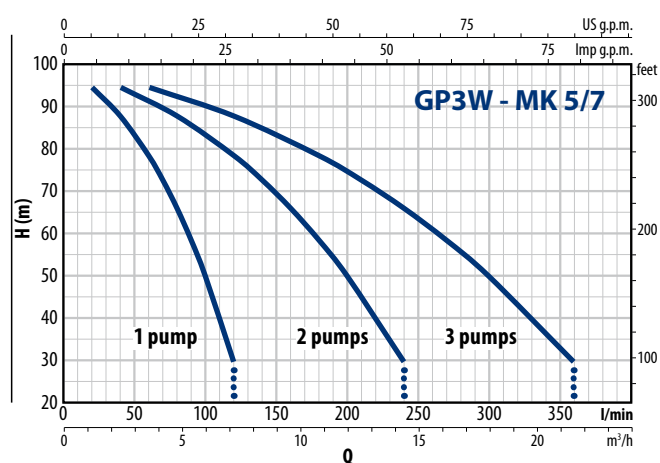
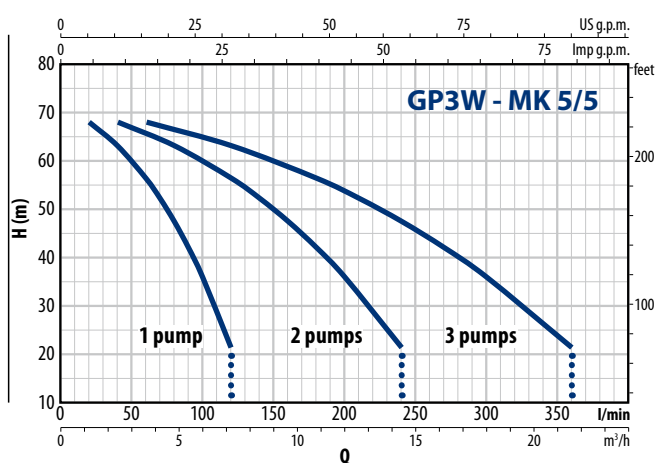
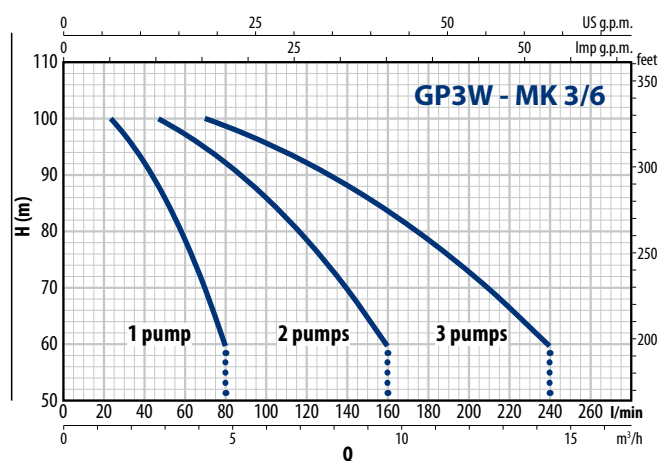
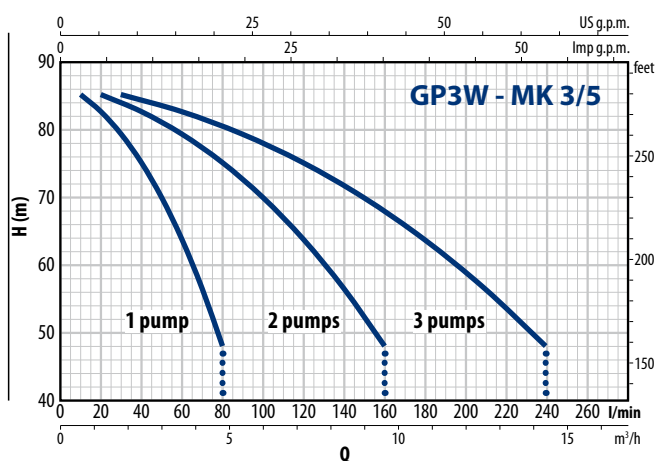
TYPE		POWER P ₂		Q	m³/h	0	1.8	3.6	7.2	10.8	14.5	18.1	21.7	25.3	28.9	32.5
Single-phase	Three-phase	kW	HP		l/min	0	30	60	120	180	240	300	360	420	480	540
GP3Wm - MK 3/5	GP3W - MK 3/5	3x1.1	3x1.5	H _m	87	85	83	75	64	48						
GP3Wm - MK 3/6	GP3W - MK 3/6	3x1.5	3x2		100	100	100	90	77	58						
GP3Wm - MK 5/5	GP3W - MK 5/5	3x1.1	3x1.5		71	–	67.5	62.5	56	47	35.5	21.5				
GP3Wm - MK 5/7	GP3W - MK 5/7	3x1.5	3x2		99	–	95	88	78	66	50	30				
GP3Wm - MK 5/8	GP3W - MK 5/8	3x2.2	3x3		100	–	100	100	90	75	57	34				
GP3Wm - MK 8/4	GP3W - MK 8/4	3x1.1	3x1.5		56	–	–	53.5	51	47.5	43	37.5	30.5	22.1	12	
GP3Wm - MK 8/5	GP3W - MK 8/5	3x1.5	3x2		70	–	–	67	64	59.5	54	47	38	27.5	15.5	
GP3Wm - MK 8/6	GP3W - MK 8/6	3x2.2	3x3		84	–	–	80	77	72	64.5	56	45.5	33	18.5	

Q = Flow rate H = Total manometric head

✘ The data shown in the diagram and tables indicate performance with 3 pumps in operation

GP3W – MK

PERFORMANCE CURVES

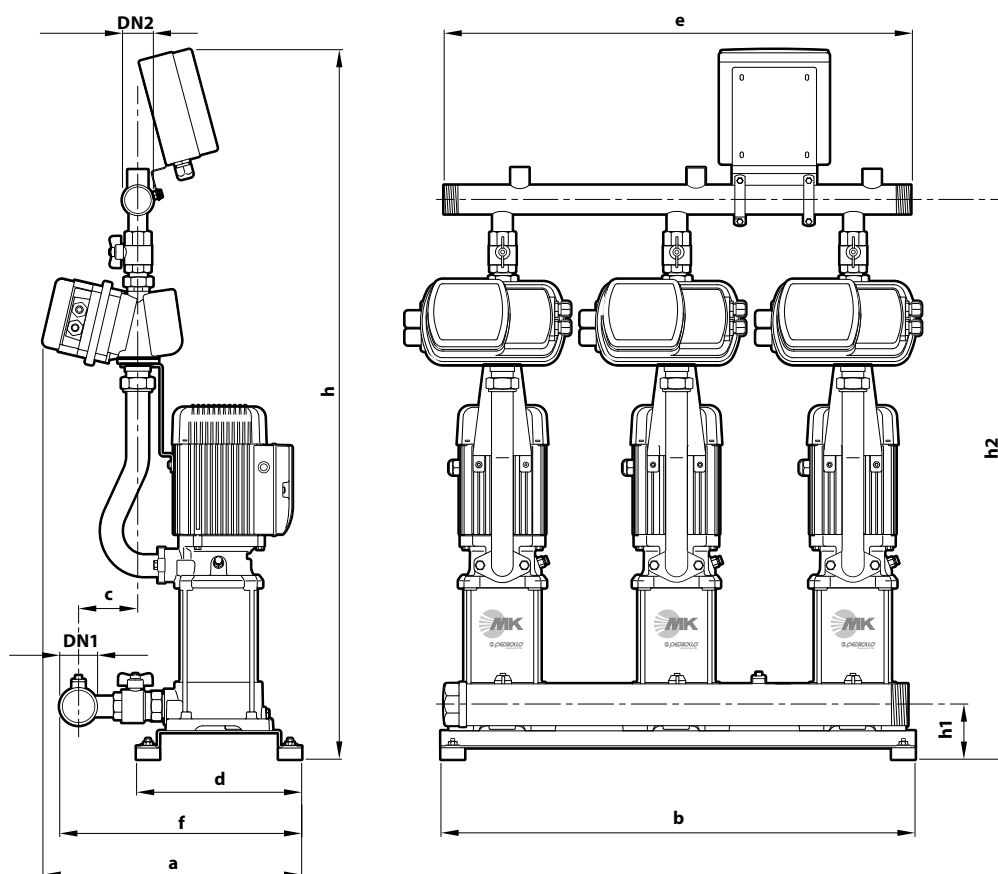


ABSORPTION

TYPE	VOLTAGE
Single-phase	230 V
GP3Wm - MK 3/5	3 x 12.5 A
GP3Wm - MK 3/6	3 x 14.0 A
GP3Wm - MK 5/5	3 x 11.0 A
GP3Wm - MK 5/7	3 x 13.5 A
GP3Wm - MK 5/8	3 x 16.0 A
GP3Wm - MK 8/4	3 x 12.5 A
GP3Wm - MK 8/5	3 x 14.0 A
GP3Wm - MK 8/6	3 x 18.0 A

TYPE	VOLTAGE
Three-phase	400 V
GP3W - MK 3/5	3 x 4.2 A
GP3W - MK 3/6	3 x 5.0 A
GP3W - MK 5/5	3 x 4.0 A
GP3W - MK 5/7	3 x 5.0 A
GP3W - MK 5/8	3 x 6.0 A
GP3W - MK 8/4	3 x 4.2 A
GP3W - MK 8/5	3 x 5.0 A
GP3W - MK 8/6	3 x 6.5 A

DIMENSIONS AND WEIGHT



TYPE		PORTS		DIMENSIONS mm									kg	
Single-phase	Three-phase	DN1	DN2	a	b	c	d	e	f	h	h1	h2	1~	3~
GP3Wm - MK 3/5	GP3W - MK 3/5	2½"	2"	447	810	115	284	800	435	1197	91	876	130.0	130.0
GP3Wm - MK 3/6	GP3W - MK 3/6									1224		930	135.0	136.0
GP3Wm - MK 5/5	GP3W - MK 5/5									1197		903	129.0	130.0
GP3Wm - MK 5/7	GP3W - MK 5/7									1251		957	136.0	136.0
GP3Wm - MK 5/8	GP3W - MK 5/8									1278		984	140.0	140.0
GP3Wm - MK 8/4	GP3W - MK 8/4									1170		876	131.0	132.0
GP3Wm - MK 8/5	GP3W - MK 8/5									1197		903	132.0	133.0
GP3Wm - MK 8/6	GP3W - MK 8/6									1224		930	142.0	142.0