

Self priming centrifugal pumps for house and garden.

GPE, GPM

Application

HOMA self priming centrifugal pumps are the ideal solution for many applications in house and garden. High performance, silent operation and low weight easy handling are the main advantages of these units. By installation of the automatic pump control HPS 2 (see HOMA accessory program) on the discharge of the electric motor driven pumps, the pumps are able to operate as fully automatic pressure booster units.

Pumped medium: Clear water.
Max. medium temperature: 35°C.

Design

Pump:

GPE 60, GPE 71: Single stage jet pump with stainless steel pump housing and stainless steel impellers.

GPE 105: Multistage centrifugal pump with stainless steel pump housing and noryl impellers.

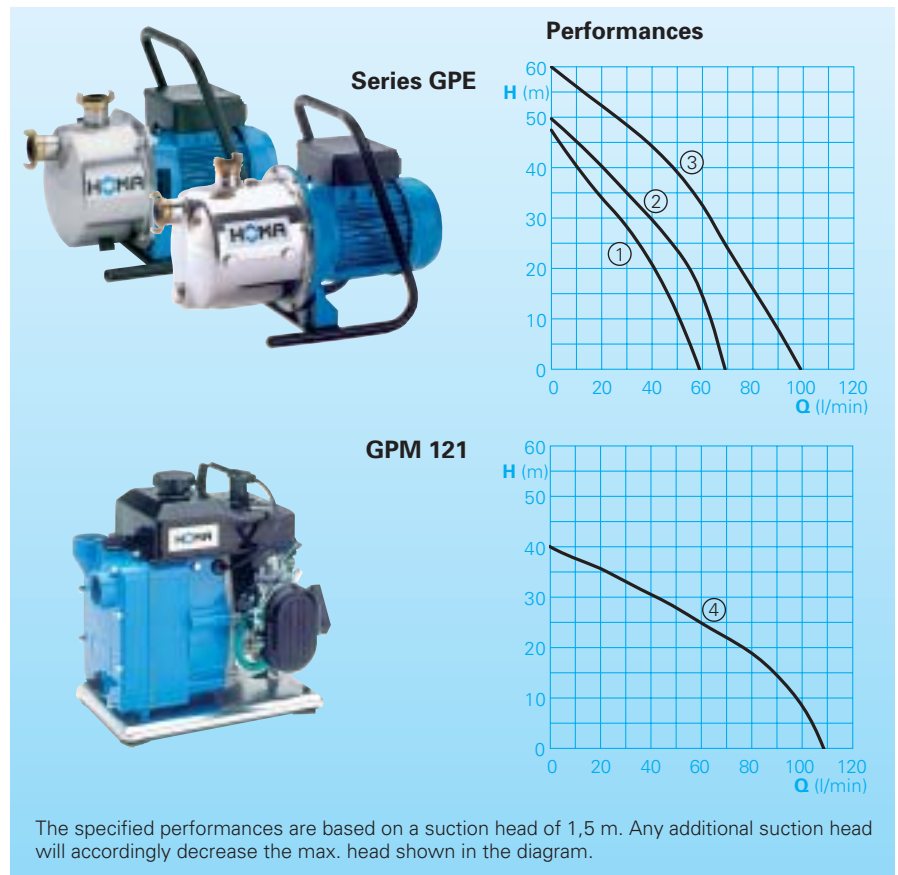
GPM 121: Single stage centrifugal pump, aluminium pump housing, cast iron impeller.

Self priming centrifugal pumps with electric motor or petrol motor.

Motor: Serie GPE with single phase electric motor, insulation class F, motor protection IP 44. Voltage 230-240 V, 50 Hz. Speed 2900 rpm. On-Off switch. Cable length 2 m.

Type GPM 121 with two stroke engine.

Shaft seal: Mechanical seal.



Technical Data

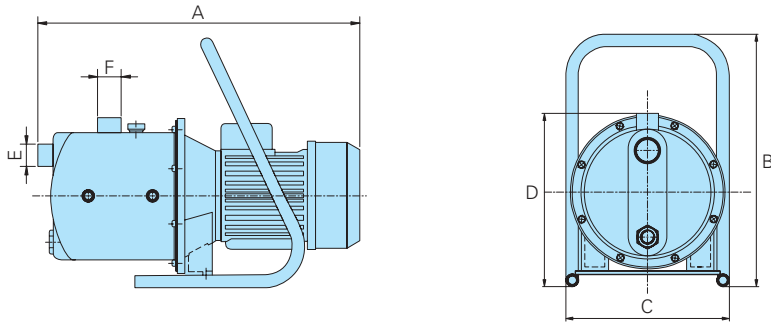
Curve No.	Pump type	Motor input P ₁ (kW)	Nominal current (A)	Suction head max. (m)	Self priming up to (m)	Weight (kg)
①	GPE 60	1,0	4,3	8	8	9,5
②	GPE 71	1,2	4,9	8	8	10,5
③	GPE 105	1,3	5,5	8	8	12,5
④	GPM 121	1,0	-	6	6	5,3

other voltages are available upon request.

Performance

Type	Pump head in meter (m)					Hose	Max. recommended hose length for operation with lawn sprinklers		
	Pump flow in liter per minute (L/min)						with 1 sprinkler	with 2 sprinklers	
GPE 60	m	10	20	30	40	1/2" (13 mm)	65 m	1x 12 m	2x 20 m
	L/min	48	44	28	10	3/4" (19 mm)	380 m	1x 70 m	2x125 m
GPE 71	m	10	20	30	40	1/2" (13 mm)	90 m	1x 20 m	2x 35 m
	L/min	64	58	40	22	3/4" (19 mm)	510 m	1x118 m	2x205 m
GPE 105	m	10	20	30	40	1/2" (13 mm)	142 m	1x 36 m	2x 62 m
	L/min	88	75	64	50	3/4" (19 mm)	850 m	1x218 m	2x360 m
GPM 121	m	10	20	30		1/2" (13 mm)	60 m	1x 10 m	2x 18 m
	L/min	100	80	50		3/4" (19 mm)	340 m	1x 62 m	2x110 m

Dimensions

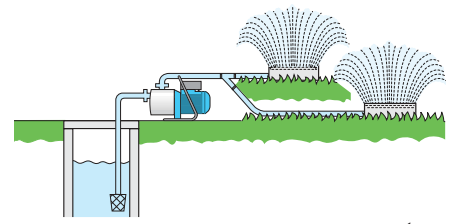


Type	A	B	C	D	E	F
GPE 60	343	300	206	234	BSP 1" F	BSP 1" F
GPE 71	370	300	206	229	BSP 1" F	BSP 1" F
GPE 105	425	300	206	229	BSP 1" F	BSP 1" F
GPM 121	250	270	220	–	BSP 1" F	BSP 1" F

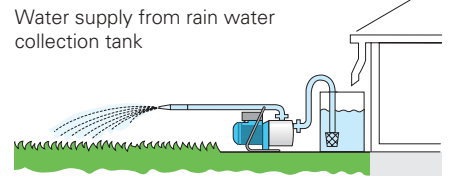
(all dimensions in mm)

Installations

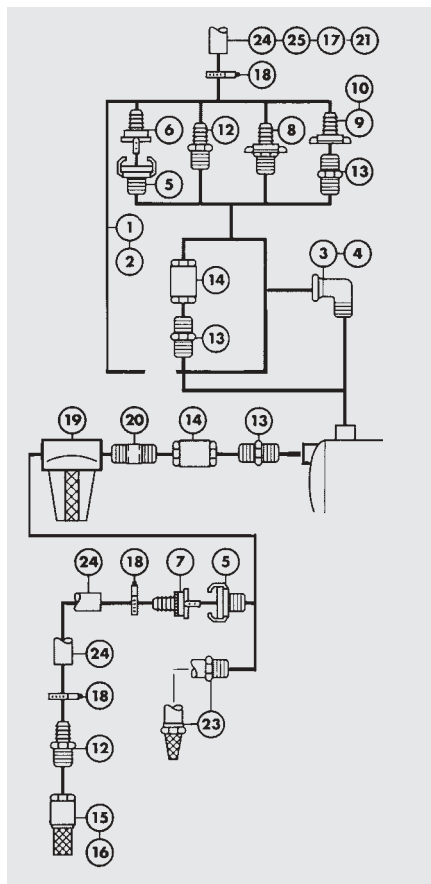
Graden spraying from wells or reservoirs



Water supply from rain water collection tank



Accessories



Part Description	Dimension	Part No.	Part Description	Dimension	Part No.
① 90° plastic elbow	BSP 1 1/4" M/ spigot	6000473	⑭ Foot valve with strainer	BSP 3/4" F BSP 1" F	2008145 2008146
② 90° plastic elbow	BSP 1 1/4" M x BSP 1" M and spigot	6000453	⑮ Foot valve with strainer for driven well	outer dia. 30 mm, BSP 3/4" F	2008090
③ 90° galvanized elbow	BSP 1" F/M	2111405	⑯ Coupling spigot	3/4" 1" 1 1/4" 3/4" x 1/2"	2007580 2007585 2007586 2007590
④ 90° galvanized bend	BSP 1" F/M	2113603	⑰ Hose band	1/2" 3/4"-1" 1 1/4"	2301522 2302330 2303252
⑤ Brass fixed coupling	BSP 3/4" M BSP 1" M	2005213 2005313	⑱ Pre filter, BSP 1"	Length 5" Length 10"	8002006 8002001
⑥ Brass hose coupling	1/2" 3/4" 1" 1 1/4"	2003113 2003213 2003313 2003413	⑲ Extension pipe for pre filter	BSP 1" x 3/4" M	2009028
⑦ Brass half suction coupling	3/4" 1"	2007217 2007227	⑳ Drain cock with hose connection		2008010
⑧ Brass STA-hose coupling	BSP 1" M x 1" spigot BSP 1 1/4" M x 1 1/4" spigot	2001313 2001413	㉑ Fi protection switch		1561160
⑨ Screwed coupling with spigot	BSP 3/4" F x 1/2" spigot BSP 3/4" F x 3/4" spigot BSP 1" F x 1/2" spigot BSP 1" F x 3/4" spigot BSP 1" F x 1" spigot	2007501 2007505 2007510 2007515 2007520	㉒ Suctionkit, complete with connector BSP 1" M, reinforced hose, dia. 23 mm, suction strainer and foot valve	length 4 m length 7 m	8522010 8522015
⑩ Hose spigot	BSP 3/4" M x 3/4" spigot BSP 1" M x 1" spigot BSP 1" M x 3/4" spigot BSP 1" M x 1/2" spigot	2007316 2007326 2007350 2007355	– foot valve and connector, brass	length 4 m length 7 m	8522019 8522021
⑪ Brass double nipple	BSP 3/4" M BSP 1" M BSP 1" M x BSP 3/4" M BSP 1 1/4" M x BSP 1" M	2009021 2009022 2009031 2009032	㉓ Reinforced hose	dia. 3/4" dia. 1" dia. 1 1/4"	2632019 2632025 2632030
⑫ Brass non-return valve	BSP 3/4" F BSP 1" F	2009024 2009026	㉔ PVC hose	dia. 3/4" dia. 1" dia. 1 1/4"	2620700 2621000 2621200
			○ Electronic pressure control with dry run protection	BSP 1" M	1468560

HOMA
P U M P T E C H N O L O G Y

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