

-  Aguas limpias
-  Uso doméstico
-  Uso civil



USOS E INSTALACIONES

GP2A es un sistema ensamblado que se conecta a la red de suministro de agua o a un depósito de recogida primaria para el suministro y la presurización de agua en edificios residenciales, comerciales y públicos, en hoteles, para el riego de jardines, parques y campos deportivos.

GP2A es adecuado para bombear agua limpia y soluciones acuosas que no dañen química o mecánicamente los materiales utilizados y no contengan sustancias abrasivas o fibrosas.

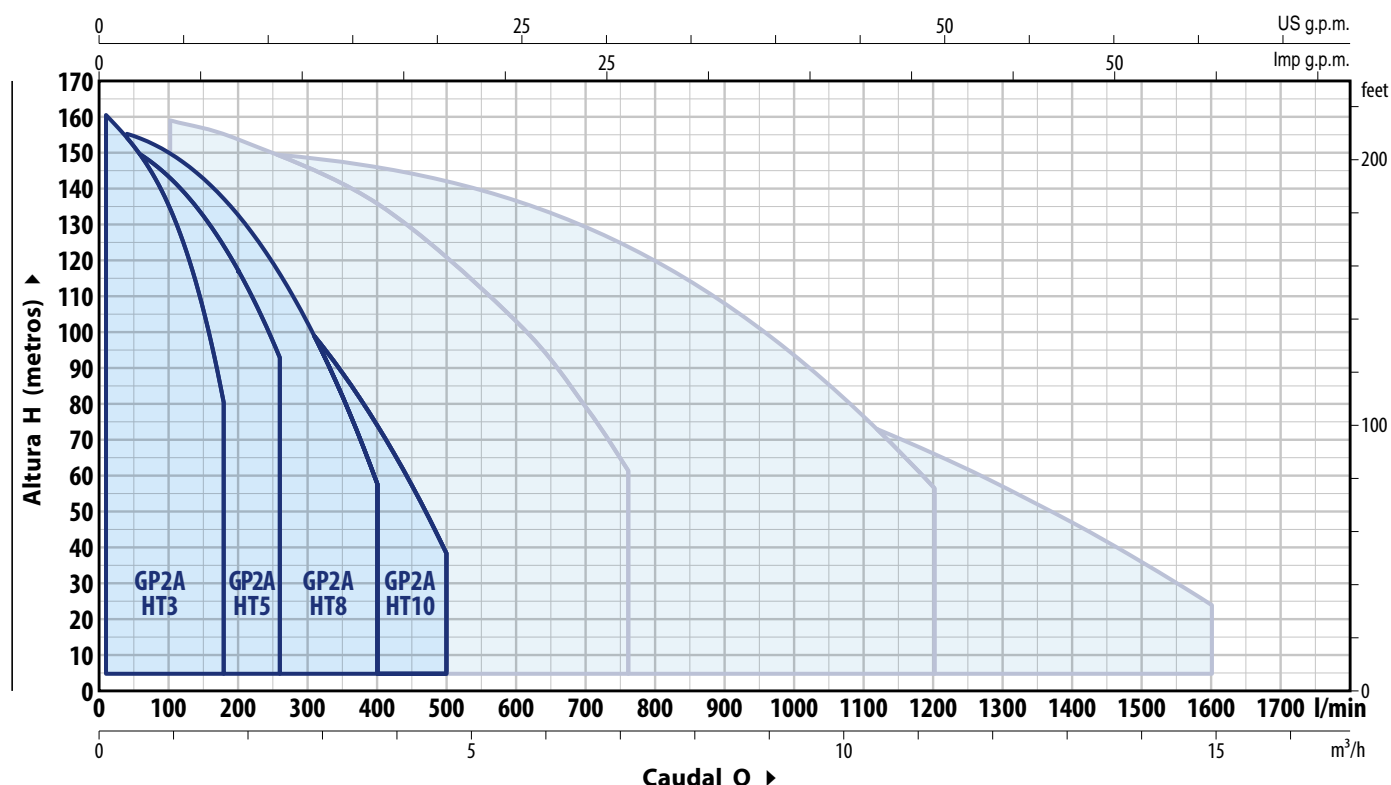
DESCRIPCIÓN DEL PRODUCTO

GP2A Se trata de un sistema de presurización de velocidad variable **compuesto por dos bombas** eléctricas conectadas en paralelo y ensambladas en una unidad, gestionada electrónicamente por dos dispositivos **PRO-DG** conectadas entre sí, modulan automáticamente el funcionamiento de las bombas en función de las diferentes demandas de agua del sistema y mantienen una presión constante. Cuando la presión del sistema disminuye debido a la extracción de agua, la primera electrobomba se pone en marcha para satisfacer el caudal de agua necesario, manteniendo la presión en el valor de punto de ajuste; cuando se alcanza la velocidad de rotación máxima, las demás bombas también se ponen en marcha en cascada para garantizar la demanda de agua del sistema.

CARACTERÍSTICAS CONSTRUCTIVAS

- **ELECTROBOMBAS** conectadas en paralelo mediante colectores de aspiración y envío.
Cada unidad está equipada con válvulas de bola en el lado de succión y válvulas de bola y válvulas antirretorno en el lado de descarga.
- **BASE** fabricada con perfil metálico y equipada con soportes antivibración.
- **GP2A** utilizan la tecnología del variador para garantizar una presión constante en el sistema. Gracias a un transductor que detecta la presión en tiempo real, el sistema ajusta continuamente la velocidad de rotación del motor según las necesidades del usuario. El variador también gestiona el funcionamiento alterno de las bombas eléctricas.
GP2A está diseñado para proteger el sistema de:
 - marcha en seco
 - sobretensión e baja tensión
- **CUADRO ELÉCTRICO** con interruptores automáticos magnetotérmicos de protección del motor para las versiones trifásicas, interruptores automáticos magnetotérmicos para las versiones monofásicas.
- **USOS E INSTALACIONES**
 - Temperatura del líquido de **0 °C** hasta **+60 °C**
 - Temperatura ambiente de **-10 °C** hasta **+40 °C**
 - Presión máxima en el cuerpo de la bomba **16 bar**
 - Servicio continuo **S1**
- **ALIMENTACIÓN ELÉCTRICA**
 - **GP2Am**: monofásico 230V ±10% 50/60Hz
 - **GP2A** : trifásico 400V ±10% 50/60Hz

CAMPO Y DATOS DE PRESTACIONES (GP2A-HT 3, HT 5, HT 8, HT 10)



TIPO		POTENCIA (P ₂)		Q											
Monofásico	Trifásico	kW	HP		m³/h	0	0.3	0.6	1.2	2.4	4.8	7.2	9.6	10.8	
GP2A-HTm 3/5	GP2A-HT 3/5	2x1.1	2x1.5	H m	l/min	0	5	10	20	40	80	120	160	180	
GP2A-HTm 3/6	GP2A-HT 3/6	2x1.5	2x2			81	80	80	79	77	71	63	49.5	41	
GP2A-HTm 3/7	GP2A-HT 3/7	2x1.8	2x2.5			97	96	96	95	92	86	75	59	48	
-	GP2A-HT 3/8	2x2.2	2x3			113	112	112	111	108	100	88	69	56	
-	GP2A-HT 3/9	2x3	2x4			130	128	128	126	123	114	100	79	64	
-	GP2A-HT 3/10	2x3	2x4			146	144	144	142	138	129	113	89	72	
-						-	160	160	158	154	143	126	99	80	

TIPO		POTENCIA (P ₂)		Q											
Monofásico	Trifásico	kW	HP		m³/h	0	0.3	0.6	1.2	2.4	4.8	7.2	9.6	10.8	12
GP2A-HTm 5/3	GP2A-HT 5/3	2x1.1	2x1.5	H m	l/min	0	5	10	20	40	80	120	160	180	200
GP2A-HTm 5/4	GP2A-HT 5/4	2x1.5	2x2			51.5	51.5	51.5	51	50.5	49	46.5	43	41	39
GP2A-HTm 5/5	GP2A-HT 5/5	2x1.8	2x2.5			68.5	68.5	68.5	68	67	65	62	57.5	55	52
GP2A-HTm 5/6	GP2A-HT 5/6	2x2.2	2x3			86	85	85	85	84	81	77	72	68.5	65
-	GP2A-HT 5/7	2x3	2x4			103	103	103	102	101	98	93	86	82	78
-	GP2A-HT 5/8	2x3	2x4			120	120	120	119	118	114	108	101	96	91
-	GP2A-HT 5/9	2x4	2x5.5			137	137	137	136	134	130	124	115	110	104
-						154	154	154	153	151	146	139	129	124	117

TIPO		POTENCIA (P ₂)		Q												
Monofásico	Trifásico	kW	HP		m³/h	0	1.2	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	21.6
GP2A-HTm 8/3	GP2A-HT 8/3	2x1.1	2x1.5	H m	l/min	0	20	40	80	120	160	200	240	280	320	360
GP2A-HTm 8/4	GP2A-HT 8/4	2x1.5	2x2			47	46.5	46.5	45.5	44	42	39.5	36.5	32.5	28	23.1
GP2A-HTm 8/5	GP2A-HT 8/5	2x1.8	2x2.5			62.5	62	62	60.5	58.5	56	53	48.5	43.5	37.5	31
GP2A-HTm 8/6	GP2A-HT 8/6	2x2.2	2x3			78	77.5	77.5	76	73	70	66	61	54.5	47	38.5
-	GP2A-HT 8/7	2x3	2x4			94	93	93	91	88	84	79	73	65.5	56.5	46
-	GP2A-HT 8/8	2x4	2x5.5			109	108	108	106	103	98	92	85	76	66	54
-	GP2A-HT 8/9	2x4	2x5.5			125	124	124	121	117	112	106	97	87	75	61.5
-	GP2A-HT 8/10	2x5.5	2x7.5			141	139	139	136	132	126	119	109	98	85	69
-						156	155	155	152	147	140	132	122	109	94	77

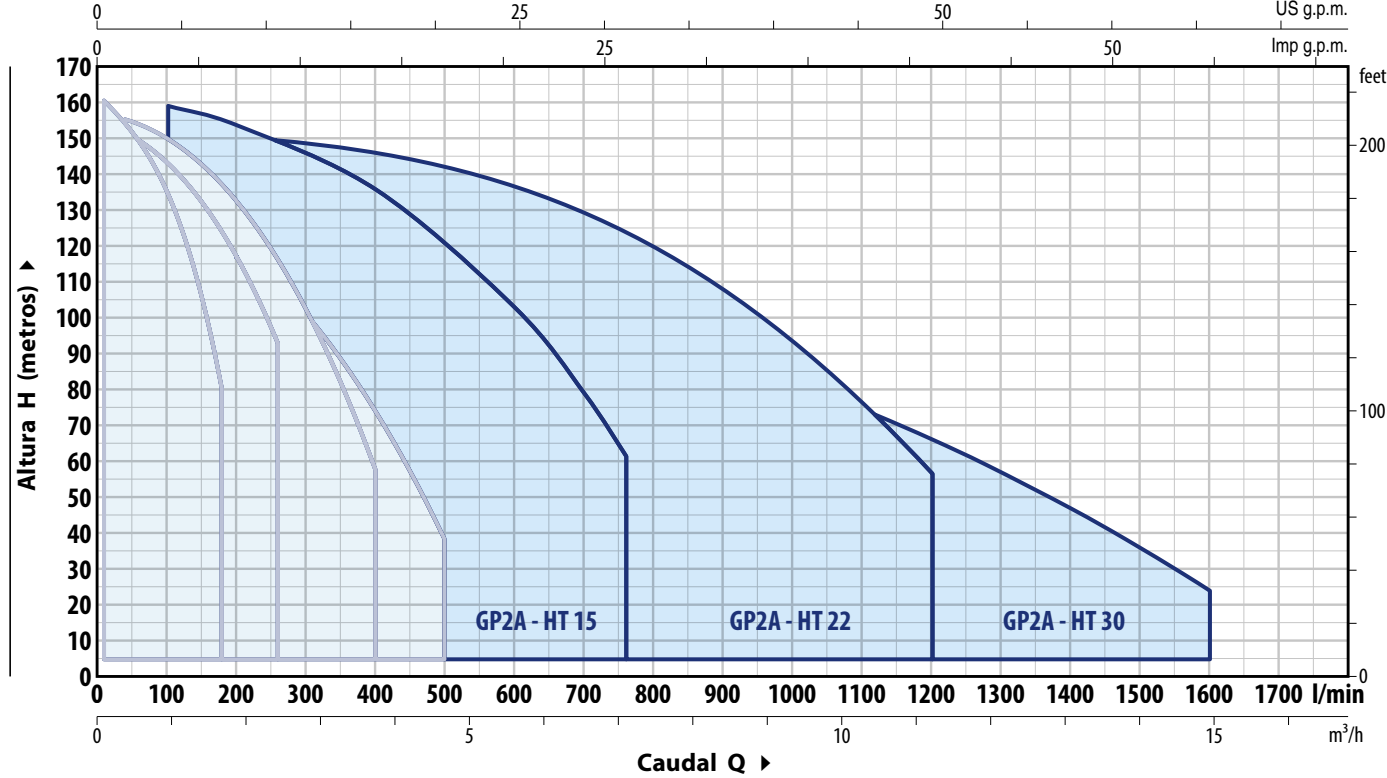
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Monofásico	Trifásico	kW	HP		m³/h	0	1.8	3.6	6	7.2	9.6	14.4	18	20.4	24	26.4
GP2A-HTm 10/3	GP2A-HT 10/3	2x1.5	2x2	H m	l/min	0	30	60	100	120	160	240	300	340	400	440
GP2A-HTm 10/4	GP2A-HT 10/4	2x1.8	2x2.5			47	45.5	45.5	44	43.5	42	38	33.5	30.5	24.7	20.3
GP2A-HTm 10/5	GP2A-HT 10/5	2x2.2	2x3			62	61	61	59	58	56	50.5	45	40.5	33	27
-	GP2A-HT 10/6	2x3	2x4			77	75.5	75.5	74	73	70	63	56	50.5	41	34
-	GP2A-HT 10/7	2x3	2x4			93	91	91	88	87	84	76	67.5	61	49.5	40.5
-	GP2A-HT 10/8	2x4	2x5.5			108	106	106	103	102	98	88	79	71	57.5	47.5
-	GP2A-HT 10/9	2x4	2x5.5			124	121	121	118	116	112	101	90	81	66	54.5
-						139	136	136	133	131	126	113	101	91	74	61

Q = Caudal H = Altura manométrica total

✖ Los datos representados en el diagrama y las tablas indican las prestaciones con 2 bombas en funcionamiento

GP2A - HT

CAMPO Y DATOS DE PRESTACIONES (GP2A-HT 15, HT 22, HT 30)



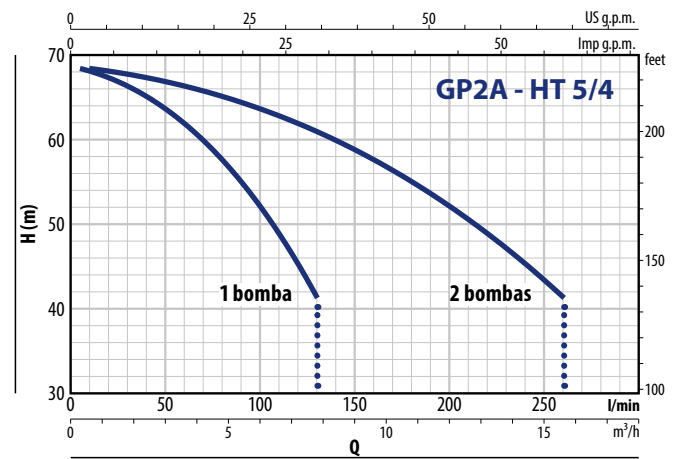
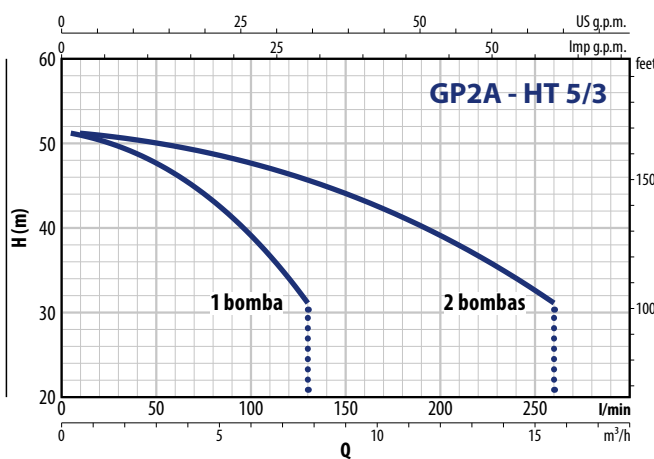
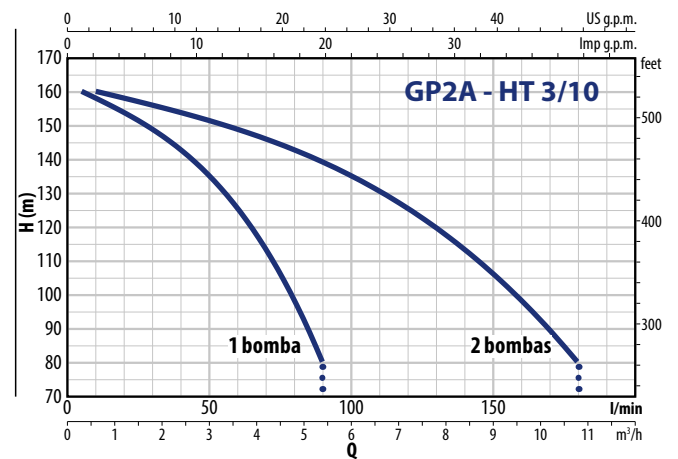
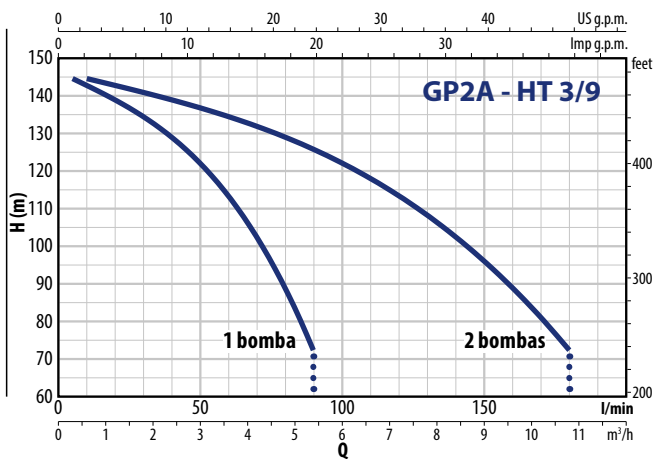
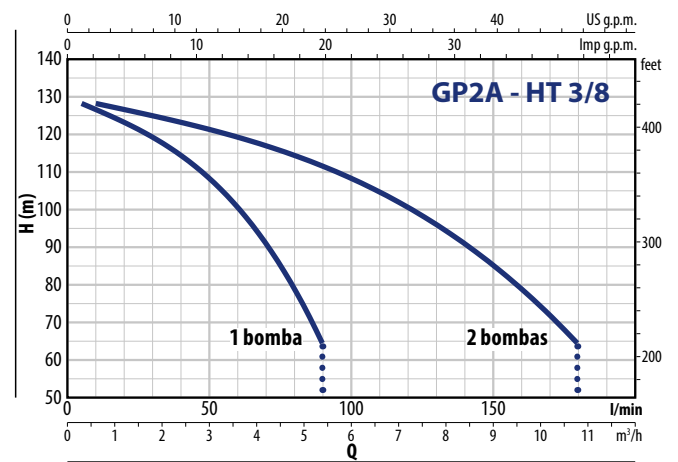
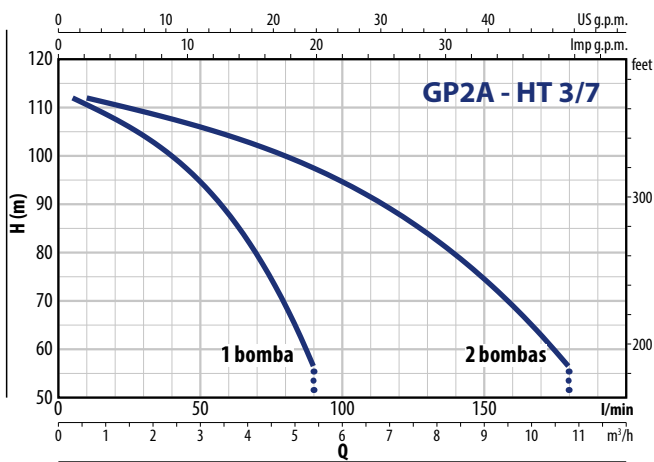
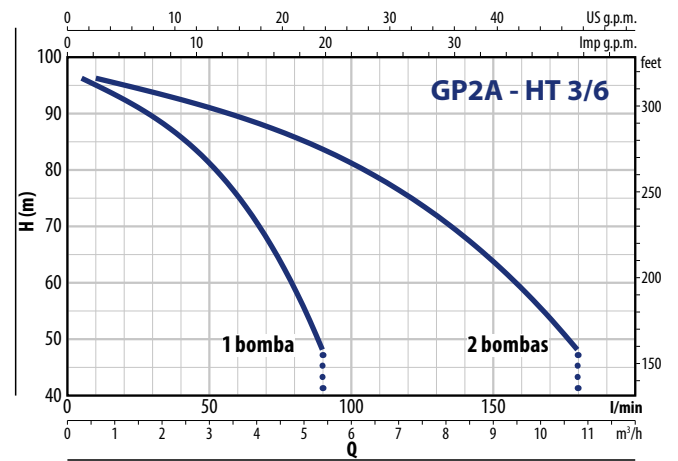
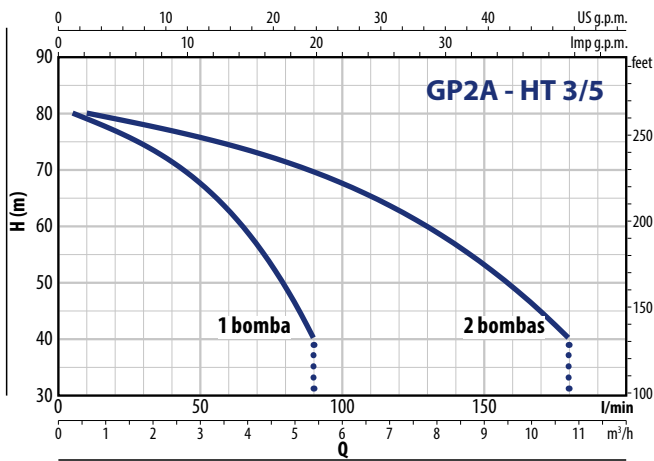
TIPO	POTENCIA (P ₂)		Q										
	kW	HP		m³/h	0	3	6	9	12	18	24	36	42
Trifásico				l/min	0	50	100	150	200	300	400	600	700
GP2A-HT 15/2R	2×2.2	2×3	H m		44	43	43	42.5	41.5	39.5	36.5	27.5	20.5
GP2A-HT 15/3R	2×3	2×4			64.5	62.5	62.5	61.5	60.5	57	52	37.5	27
GP2A-HT 15/3	2×4	2×5.5			72	70	70	69	67.5	64.5	59.5	45	34.5
GP2A-HT 15/4	2×5.5	2×7.5			96	93	93	92	90.5	86	79.5	60.5	46
GP2A-HT 15/5	2×7.5	2×10			120	117	117	115	113	107.5	99.5	75.5	58
GP2A-HT 15/6	2×9.2	2×12.5			140	137	137	134.5	132	125.5	116.5	88	67.5
GP2A-HT 15/7	2×9.2	2×12.5			–	160	160	157	154	146.5	136	103	79

TIPO	POTENCIA (P ₂)		Q										
	kW	HP		m³/h	0	6	12	24	36	42	48	60	72
Trifásico				l/min	0	100	200	400	600	700	800	1000	1200
GP2A-HT 22/2	2×3	2×4	H m		39	39	39	38	35.5	33.5	31.5	25.4	17.5
GP2A-HT 22/3	2×4	2×5.5			59	58.5	58.5	56.5	53	50.5	47	38	26
GP2A-HT 22/4	2×5.5	2×7.5			78	78	78	76	71	67	62.5	51	34.5
GP2A-HT 22/5	2×7.5	2×10			98	97	97	95	88	84	78	63.5	43
GP2A-HT 22/6	2×9.2	2×12.5			118	117	117	113	106	101	94	76	52
GP2A-HT 22/7	2×11	2×15			137	136	136	132	124	118	110	89	60.5
GP2A-HT 22/8	2×15	2×20			157	156	156	151	142	134	125	102	69

TIPO	POTENCIA (P ₂)		Q										
	kW	HP		m³/h	0	6	12	24	36	48	60	72	84
Trifásico				l/min	0	100	200	400	600	800	1000	1200	1400
GP2A-HT 30/2R	2×3	2×4	H m		35	34	34	33	31	28	23.5	17.5	10
GP2A-HT 30/2	2×4	2×5.5			40	38.5	38.5	37	35.5	32.5	28	22	13.5
GP2A-HT 30/3	2×5.5	2×7.5			60	58	58	56	53	48.5	42	33	20
GP2A-HT 30/4	2×7.5	2×10			80	77	77	74.5	70.5	64.5	56	44	26.5
GP2A-HT 30/5	2×9.2	2×12.5			100	96.5	96.5	93	88	81	70	54.5	33.5
GP2A-HT 30/6	2×11	2×15			120	116	116	111.5	106	97	84	65.5	40

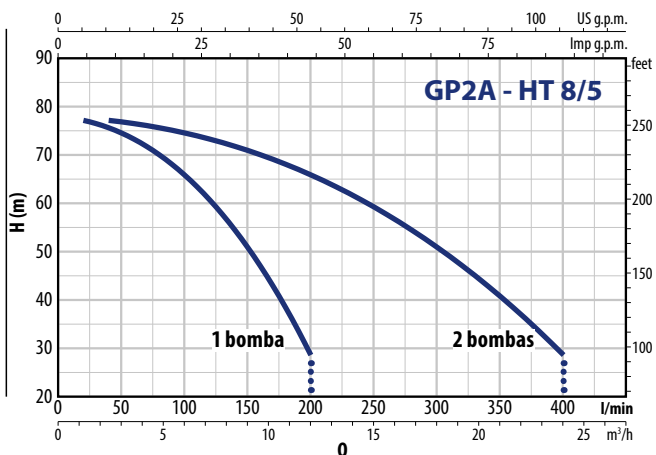
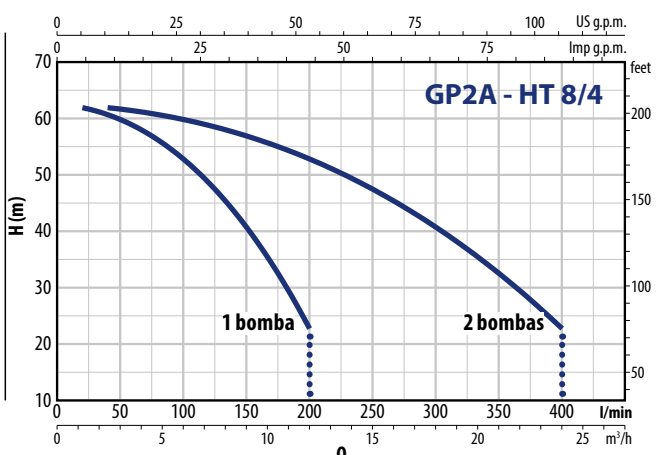
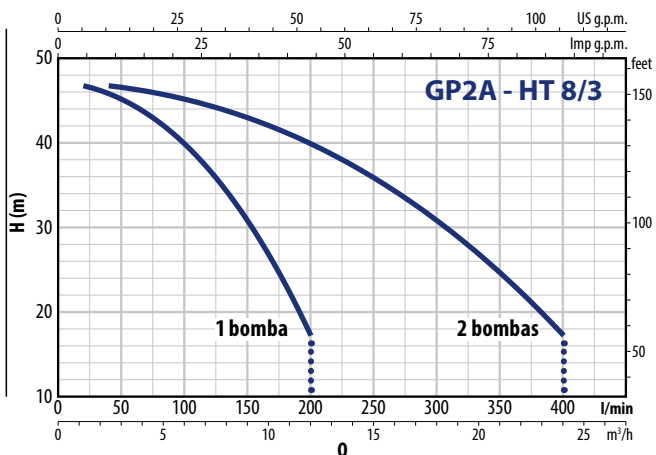
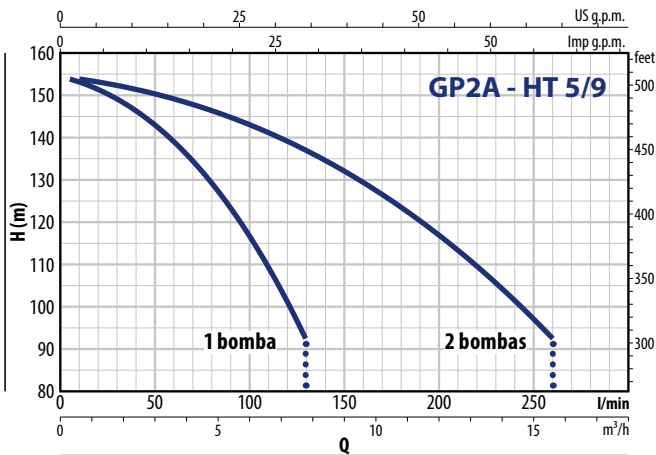
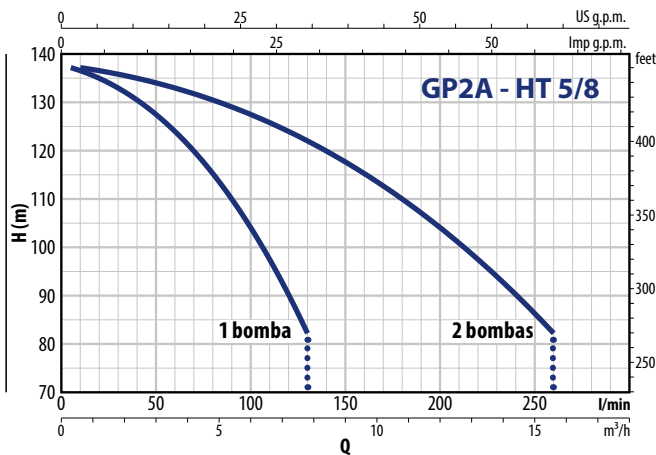
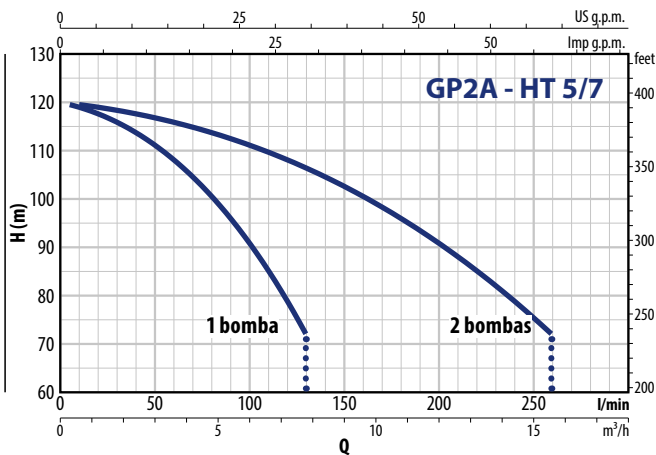
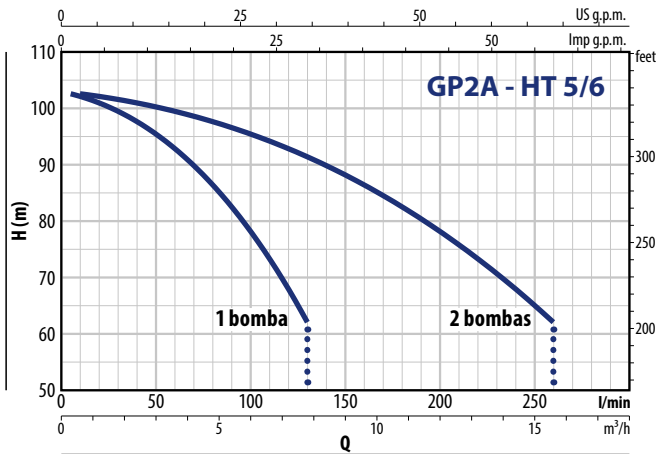
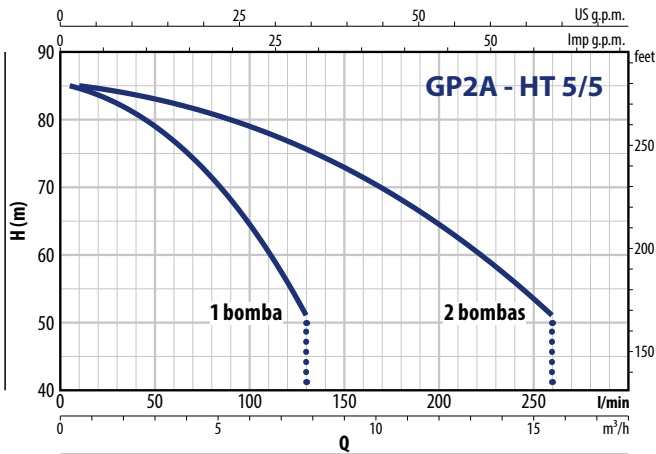
Q = Caudal H = Altura manométrica total
❖ Los datos representados en el diagrama y las tablas indican las prestaciones con 2 bombas en funcionamiento

CURVAS DE PRESTACIONES

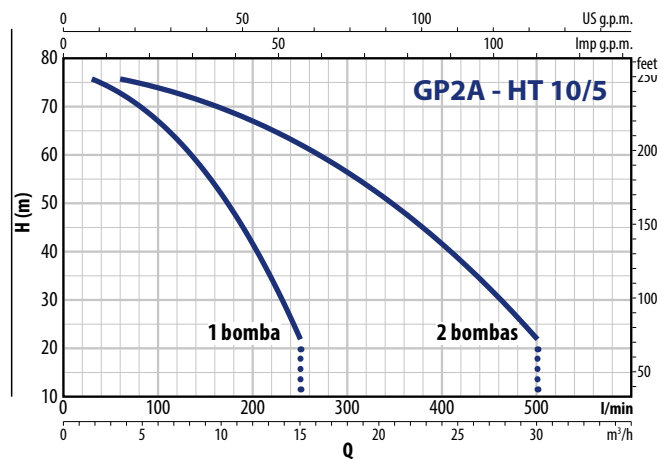
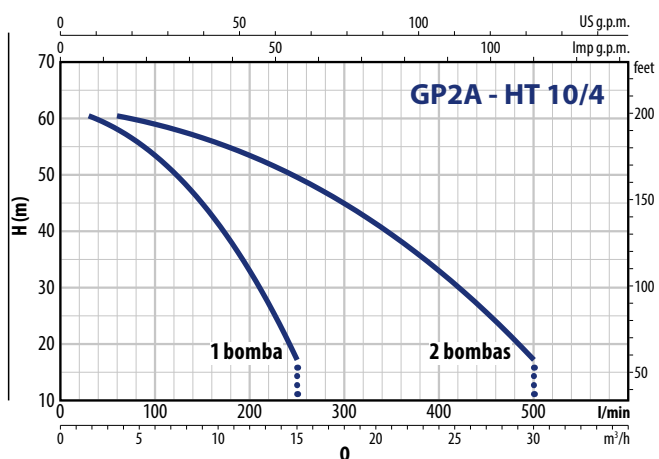
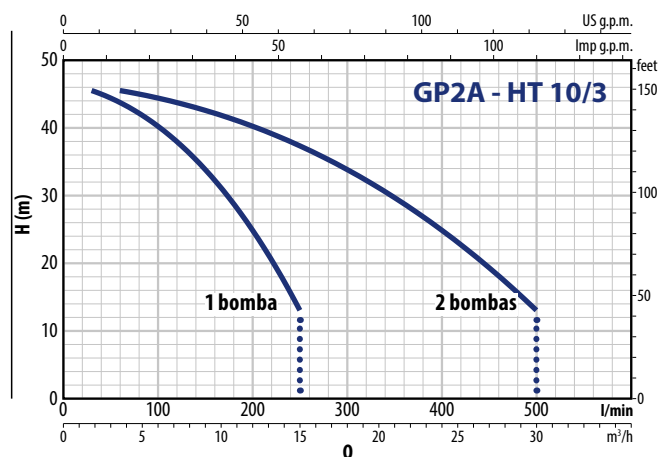
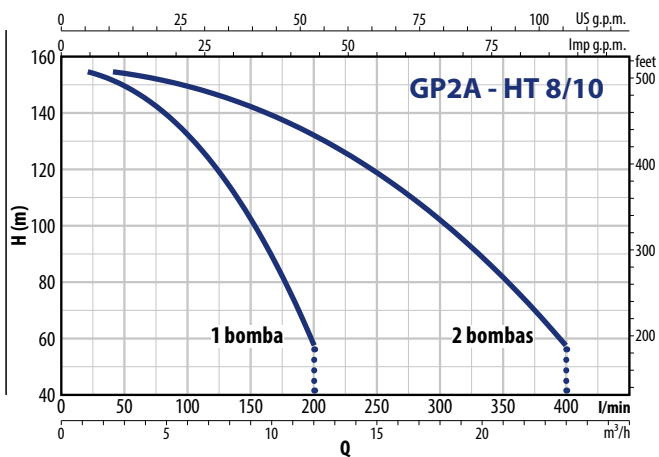
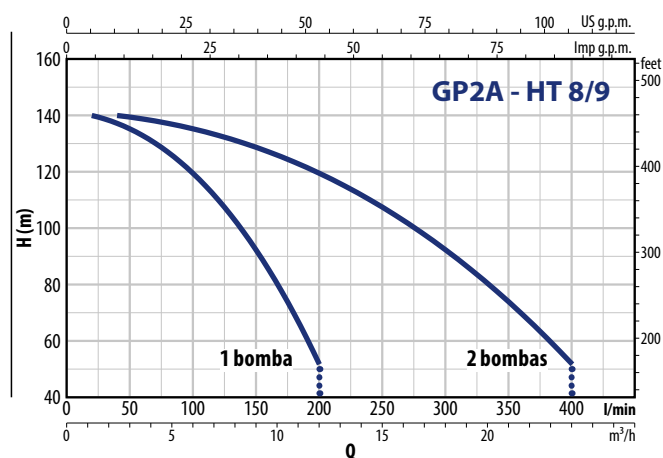
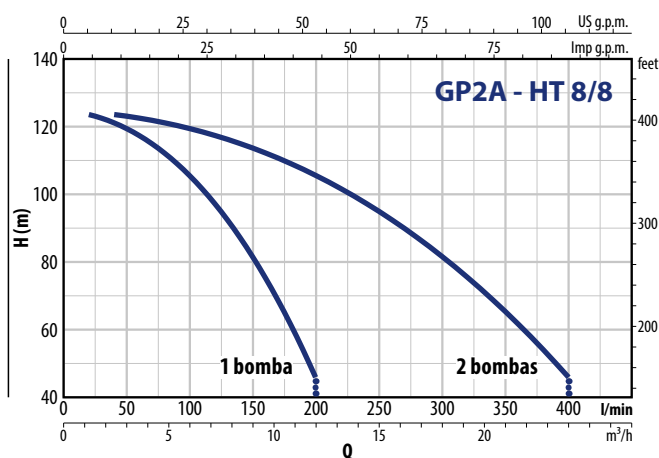
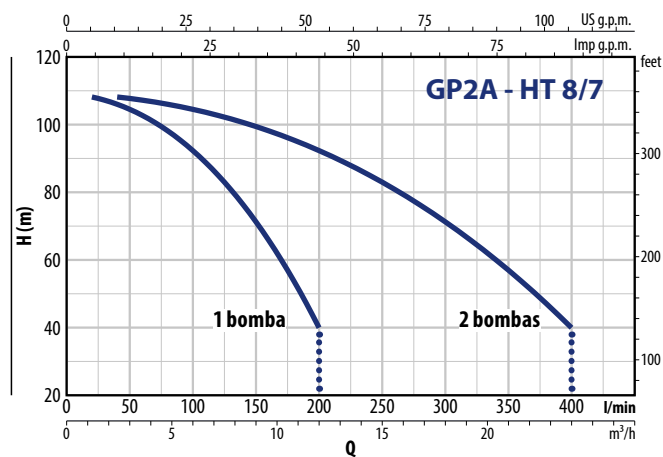
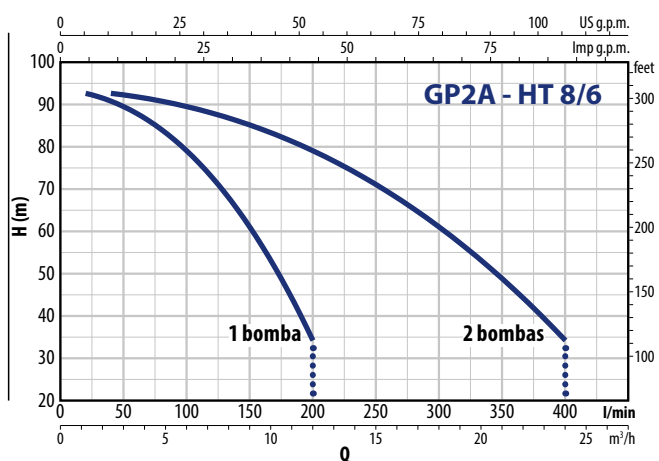


GP2A - HT

CURVAS DE PRESTACIONES

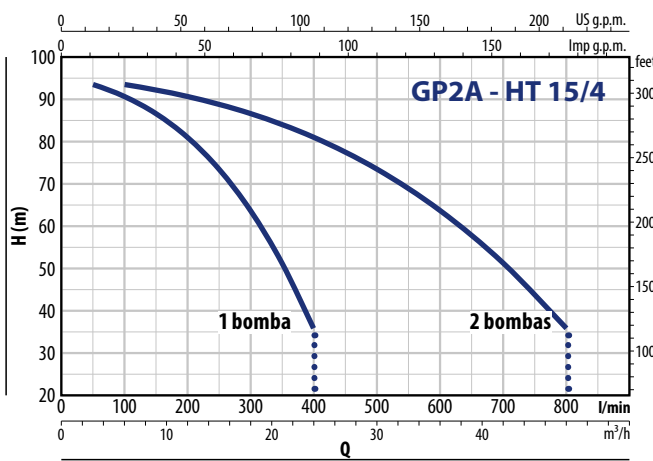
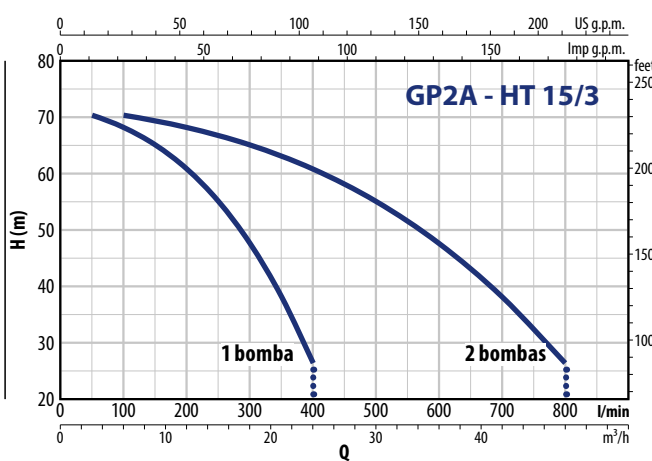
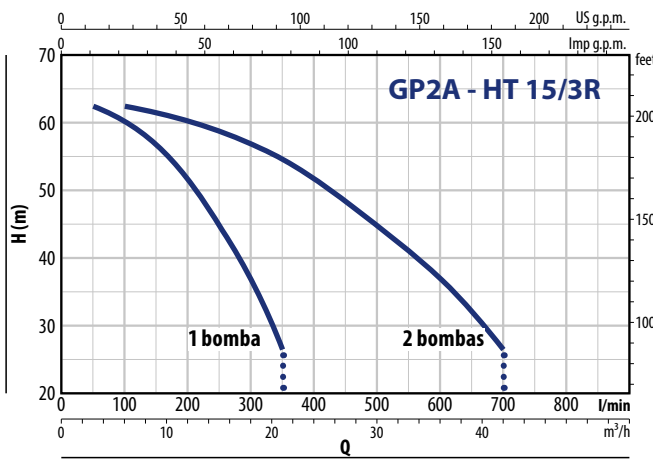
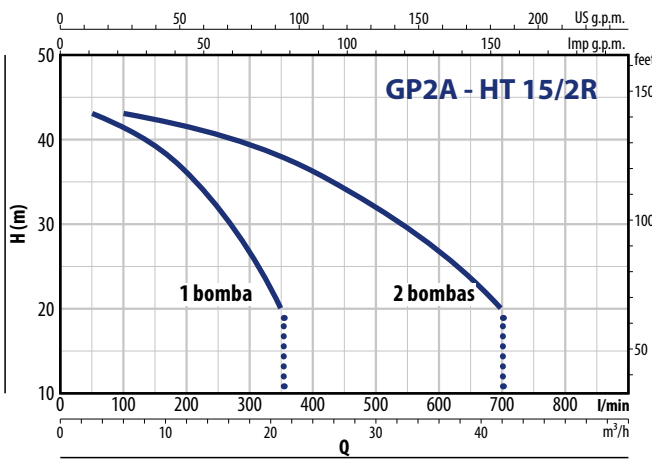
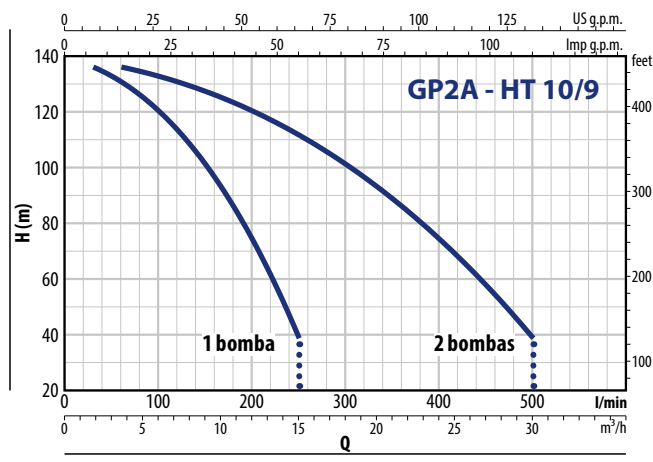
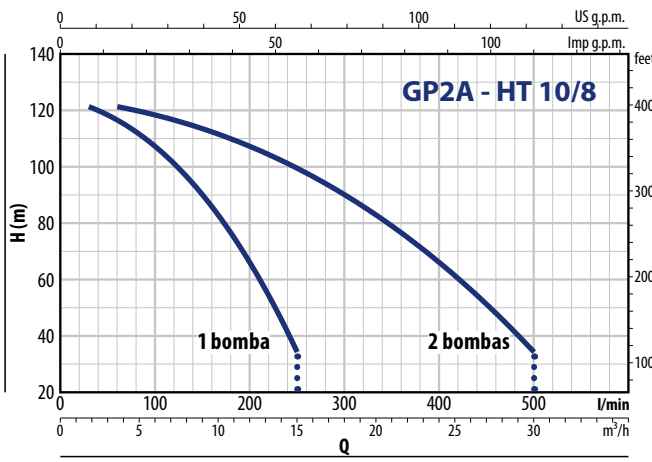
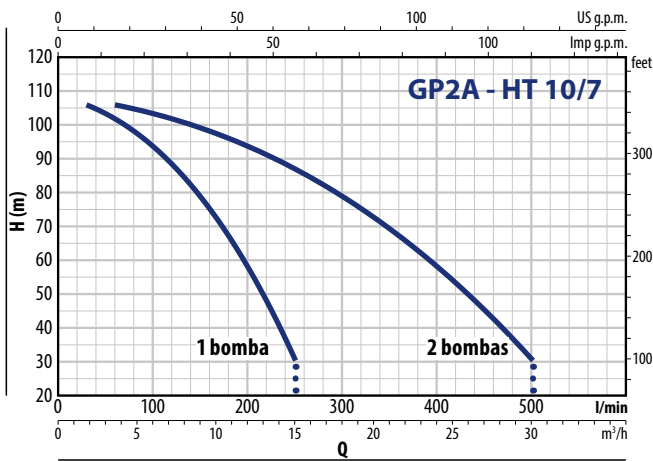
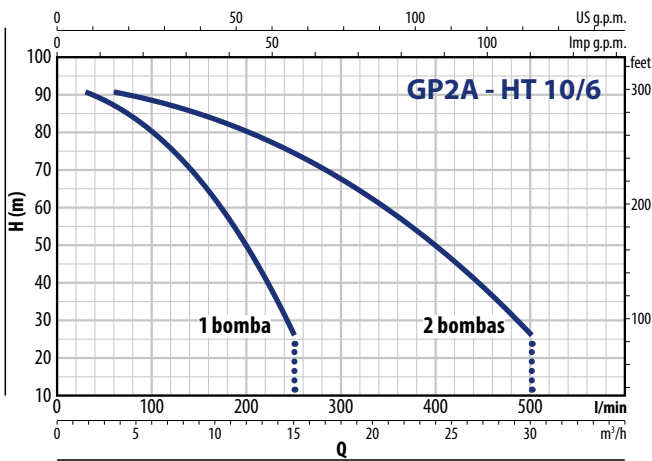


CURVAS DE PRESTACIONES

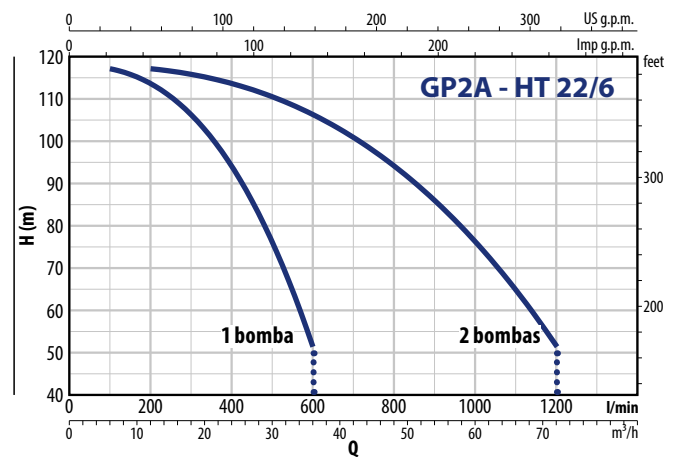
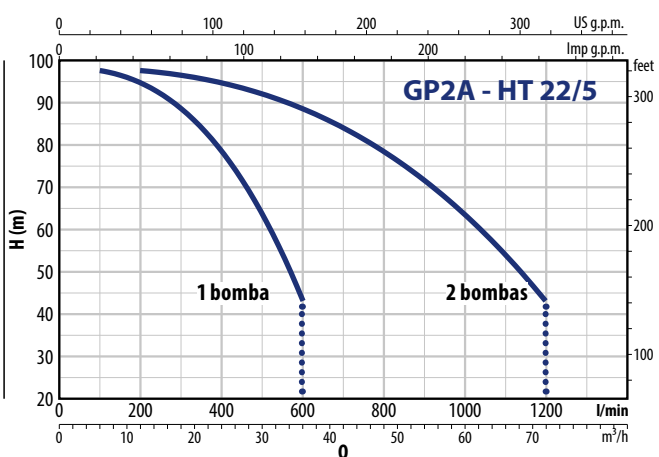
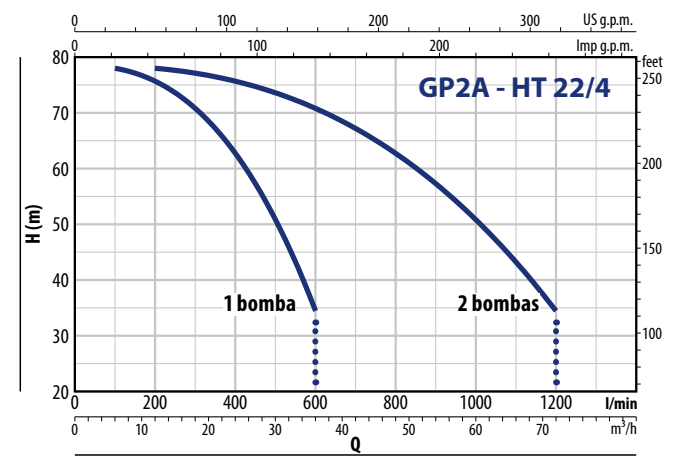
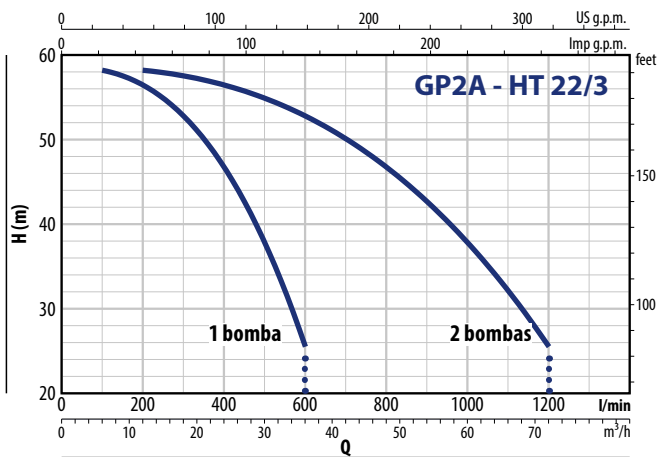
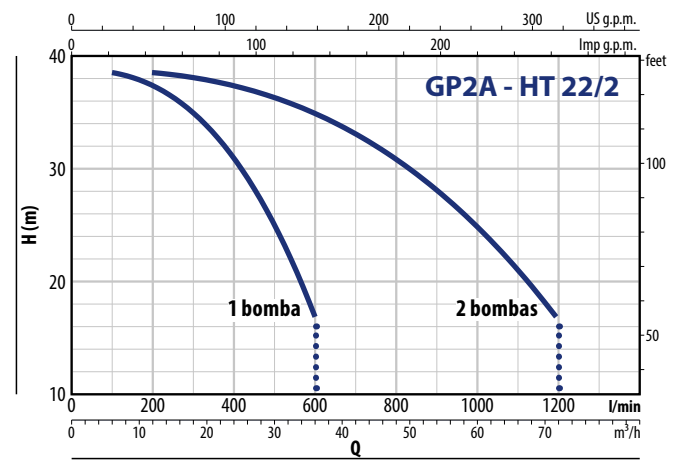
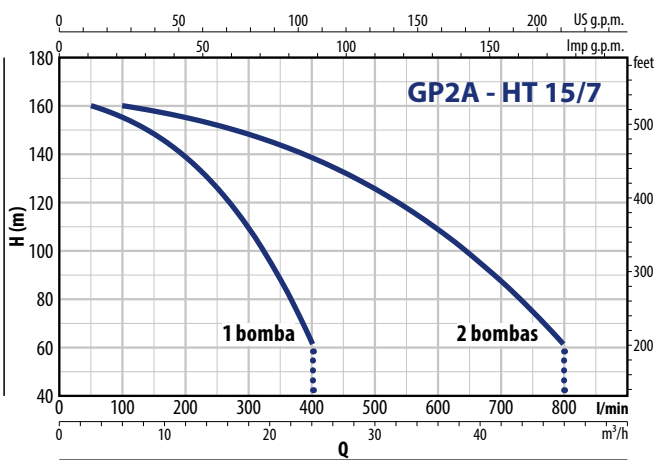
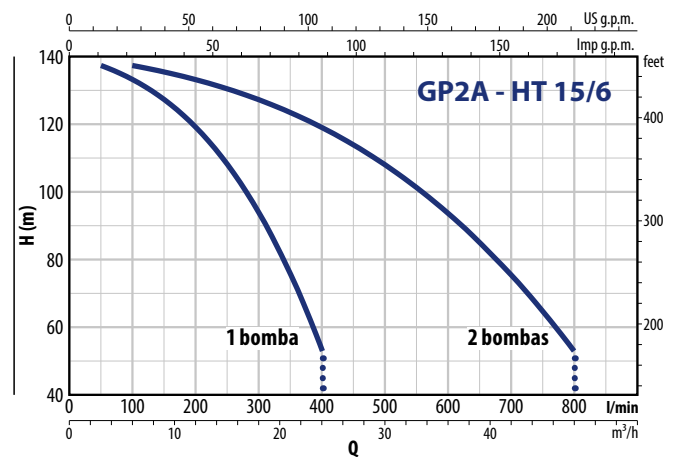
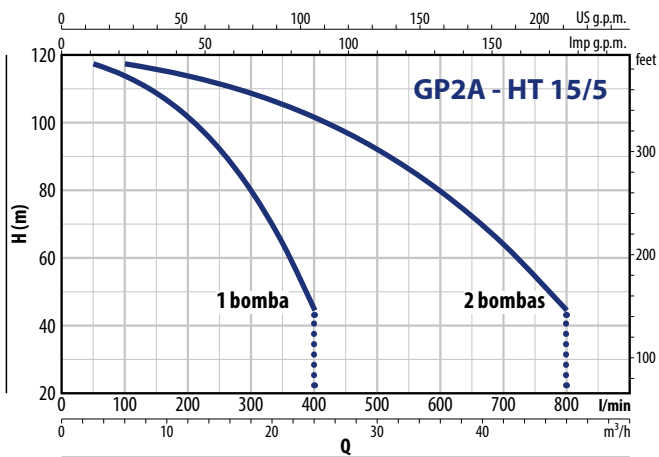


GP2A - HT

CURVAS DE PRESTACIONES

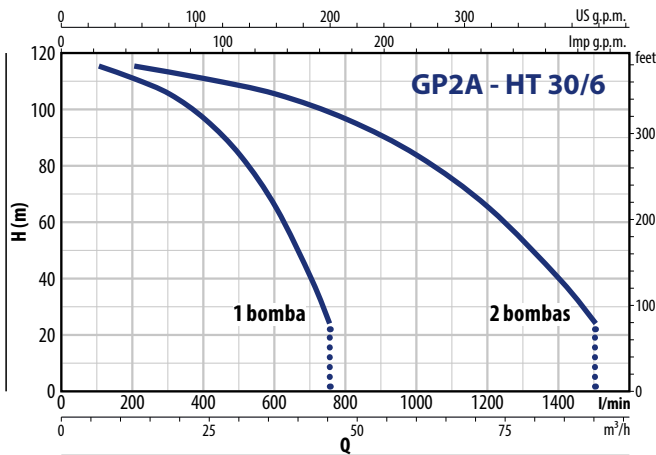
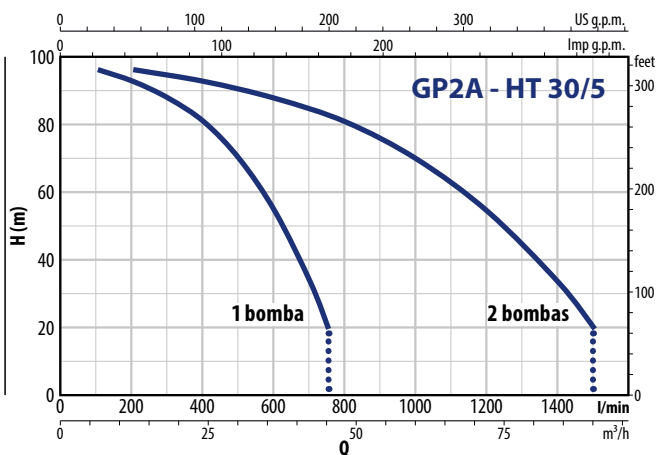
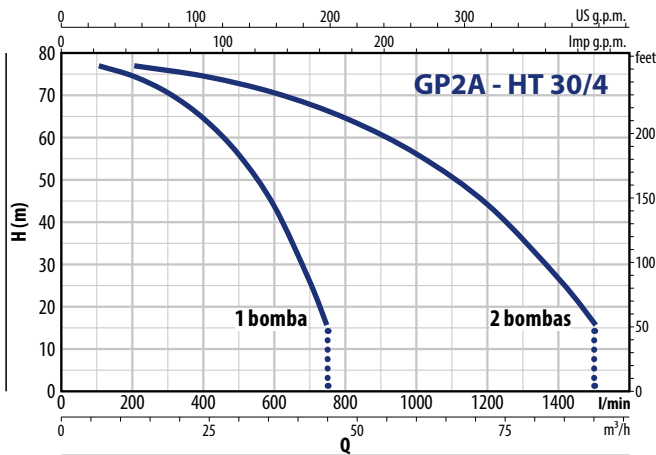
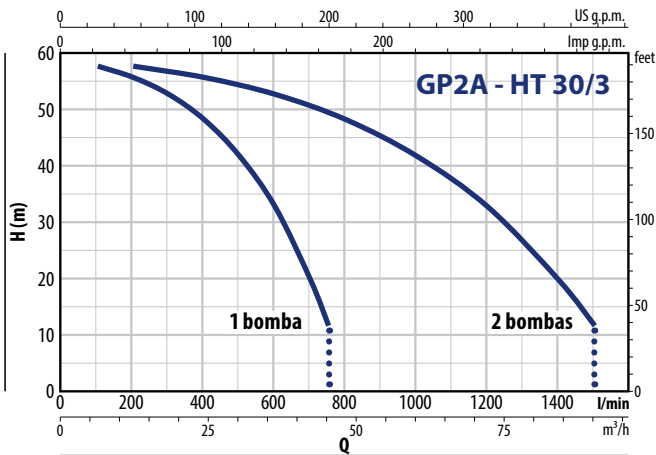
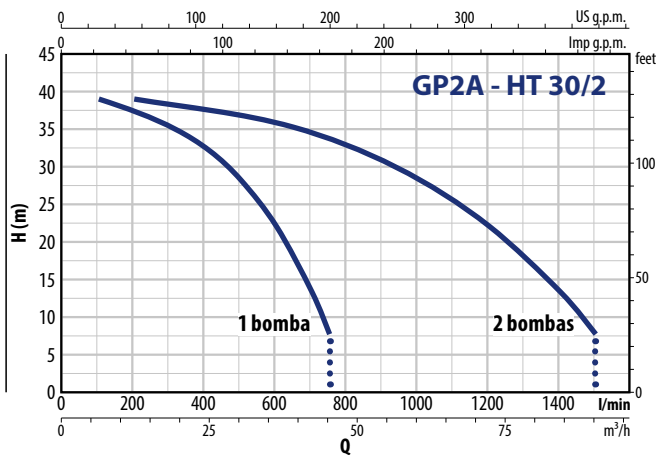
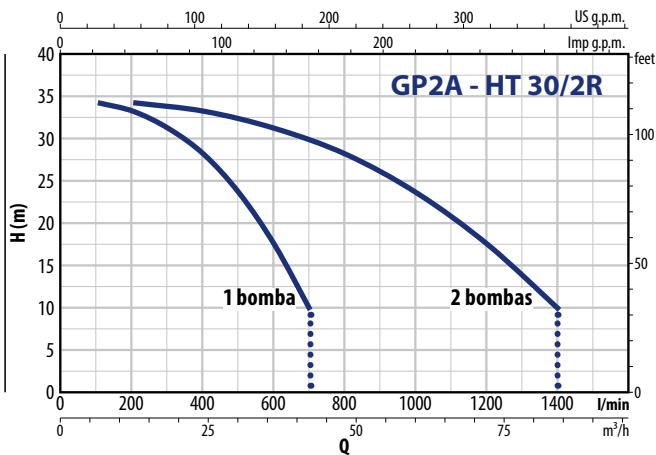
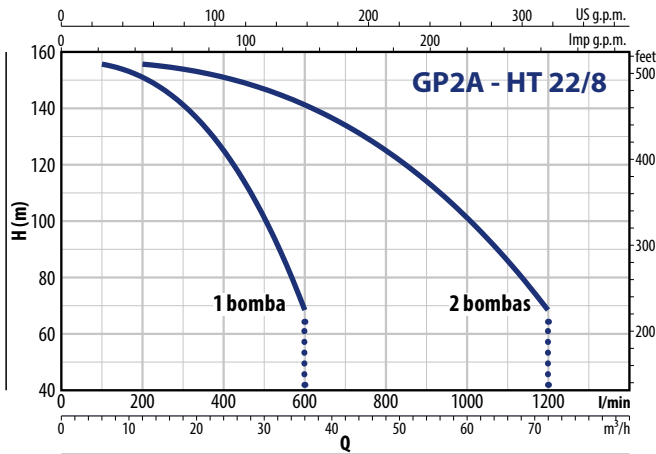
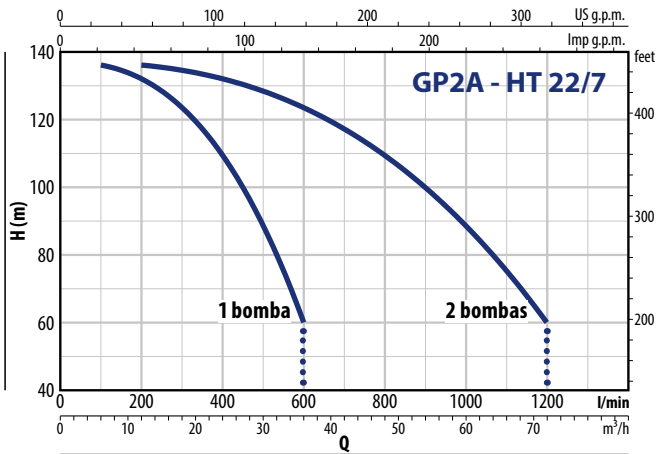


CURVAS DE PRESTACIONES



GP2A - HT

CURVAS DE PRESTACIONES



CONSUMOS

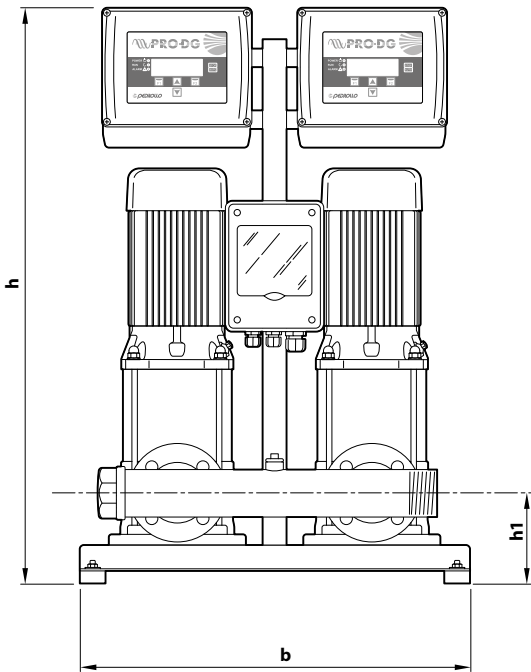
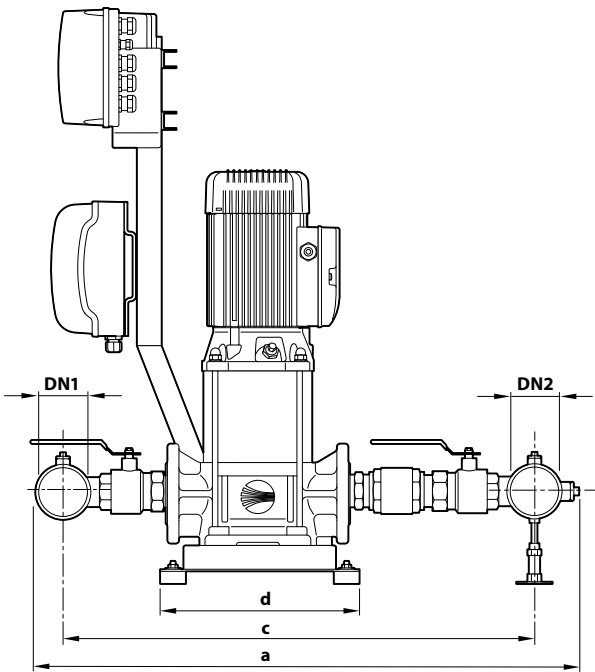
TIPO	TENSIÓN
Monofásico	230 V
GP2Am - HT 3/5	–
GP2Am - HT 3/6	–
GP2Am - HT 3/7	–
GP2Am - HT 5/3	–
GP2Am - HT 5/4	–
GP2Am - HT 5/5	–
GP2Am - HT 5/6	–
GP2Am - HT 8/3	–
GP2Am - HT 8/4	–
GP2Am - HT 8/5	–
GP2Am - HT 8/6	2×19.5 A
GP2Am - HT 10/3	2×12.2 A
GP2Am - HT 10/4	–
GP2Am - HT 10/5	2×18.0 A

TIPO	TENSIÓN
Trifásico	400 V - 
GP2A - HT 3/5	–
GP2A - HT 3/6	–
GP2A - HT 3/7	–
GP2A - HT 3/8	–
GP2A - HT 3/9	–
GP2A - HT 3/10	–
GP2A - HT 5/3	–
GP2A - HT 5/4	–
GP2A - HT 5/5	–
GP2A - HT 5/6	–
GP2A - HT 5/7	–
GP2A - HT 5/8	–
GP2A - HT 5/9	–
GP2A - HT 8/3	–
GP2A - HT 8/4	–
GP2A - HT 8/5	2×6.8 A
GP2A - HT 8/6	–
GP2A - HT 8/7	–
GP2A - HT 8/8	2×10.5 A
GP2A - HT 8/9	–
GP2A - HT 8/10	–
GP2A - HT 10/3	2×4.5 A
GP2A - HT 10/4	–
GP2A - HT 10/5	2×6.5 A
GP2A - HT 10/6	–
GP2A - HT 10/7	2×9.5 A
GP2A - HT 10/8	–
GP2A - HT 10/9	2×10.5 A
GP2A - HT 15/2R	–
GP2A - HT 15/3R	2×8.8 A
GP2A - HT 15/3	2×10.0 A
GP2A - HT 15/4	2×12.3 A
GP2A - HT 15/5	–
GP2A - HT 15/6	–
GP2A - HT 15/7	–
GP2A - HT 22/2	–
GP2A - HT 22/3	–
GP2A - HT 22/4	–
GP2A - HT 22/5	–
GP2A - HT 22/6	–
GP2A - HT 22/7	2×26.0 A
GP2A - HT 22/8	–
GP2A - HT 30/2R	–
GP2A - HT 30/2	2×10.5 A
GP2A - HT 30/3	–
GP2A - HT 30/4	2×15.5 A
GP2A - HT 30/5	2×22.0 A
GP2A - HT 30/6	2×25.0 A

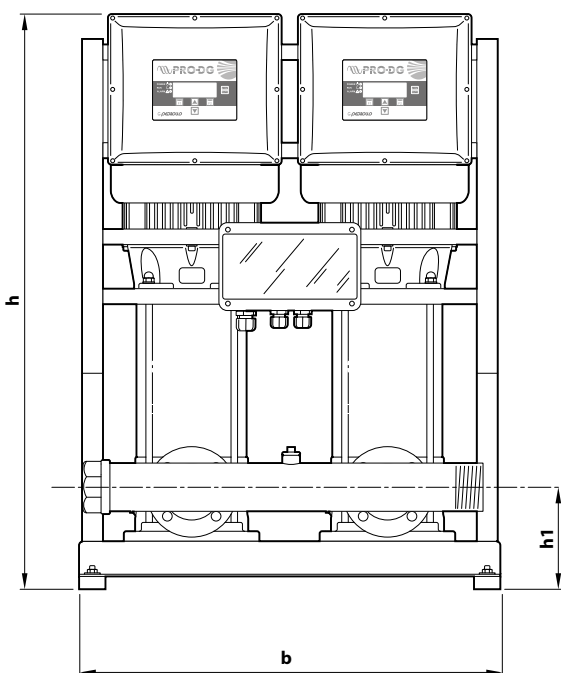
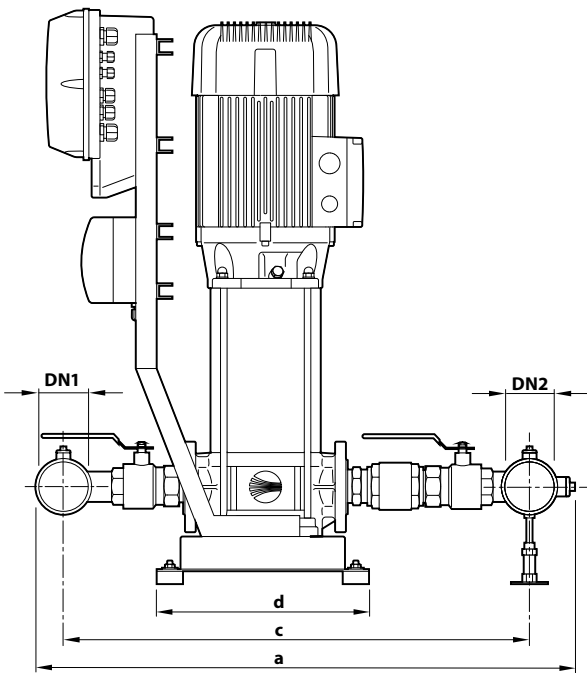
GP2A - HT

DIMENSIONES Y PESOS

Tipología A



Tipología B



DIMENSIONES Y PESOS

TIPO		TIPOLOGÍA	BOCAS		DIMENSIONES mm						kg	
Monofásico	Trifásico		DN1	DN2	a	b	c	d	h	h1	1~	3~
GP2Am - HT 3/5	GP2A - HT 3/5	A	2"	2"	732	600	614	310	882	138	111.0	111.0
GP2Am - HT 3/6	GP2A - HT 3/6	A									113.6	113.6
GP2Am - HT 3/7	GP2A - HT 3/7	A									123.4	123.4
–	GP2A - HT 3/8	A									–	138.0
–	GP2A - HT 3/9	A									–	140.0
–	GP2A - HT 3/10	A									–	141.8
GP2Am - HT 5/3	GP2A - HT 5/3	A	2"	2"	777	600	659	310	882	138	112.0	112.0
GP2Am - HT 5/4	GP2A - HT 5/4	A									116.0	116.0
GP2Am - HT 5/5	GP2A - HT 5/5	A									120.6	120.6
GP2Am - HT 5/6	GP2A - HT 5/6	A									122.6	122.6
–	GP2A - HT 5/7	A									–	140.2
–	GP2A - HT 5/8	A									–	142.2
–	GP2A - HT 5/9	A									–	150.6
GP2Am - HT 8/3	GP2A - HT 8/3	A	2½"	2½"	873	600	739	310	882	143	119.0	119.0
GP2Am - HT 8/4	GP2A - HT 8/4	A									123.0	123.0
GP2Am - HT 8/5	GP2A - HT 8/5	A									130.0	130.0
GP2Am - HT 8/6	GP2A - HT 8/6	A									131.6	131.6
–	GP2A - HT 8/7	A									–	147.0
–	GP2A - HT 8/8	A									–	155.2
–	GP2A - HT 8/9	A									–	157.2
–	GP2A - HT 8/10	A	–	167.2								
GP2Am - HT 10/3	GP2A - HT 10/3	A	2½"	2½"	873	600	739	310	882	143	120.0	120.0
GP2Am - HT 10/4	GP2A - HT 10/4	A									124.0	124.0
GP2Am - HT 10/5	GP2A - HT 10/5	A									131.0	131.0
–	GP2A - HT 10/6	A									–	147.6
–	GP2A - HT 10/7	A									–	148.0
–	GP2A - HT 10/8	A									–	156.2
–	GP2A - HT 10/9	A									–	158.2
–	GP2A - HT 15/2R	A	3"	3"	995	770	847	388	912	183	–	173.0
–	GP2A - HT 15/3R	A									–	174.0
–	GP2A - HT 15/3	A									–	183.0
–	GP2A - HT 15/4	B									–	213.0
–	GP2A - HT 15/5	B									–	229.0
–	GP2A - HT 15/6	B									–	318.0
–	GP2A - HT 15/7	B							–		319.0	
–	GP2A - HT 22/2	A	DN100	DN100	1292	770	1068	388	912	183	–	233.0
–	GP2A - HT 22/3	A									–	242.0
–	GP2A - HT 22/4	B									–	267.0
–	GP2A - HT 22/5	B									–	283.0
–	GP2A - HT 22/6	B									–	372.0
–	GP2A - HT 22/7	B									–	389.0
–	GP2A - HT 22/8	B							1083		–	414.0
–	GP2A - HT 30/2R	A	DN100	DN100	1243	770	1019	388	912	198	–	238.0
–	GP2A - HT 30/2	A									–	244.0
–	GP2A - HT 30/3	B									–	273.0
–	GP2A - HT 30/4	B									–	290.0
–	GP2A - HT 30/5	B									–	397.0
–	GP2A - HT 30/6	B							–		398.0	