


Turbina integramente en inox 304
Impeller full made in stainless steel 304
Turbine entièrement inoxydable 304

 **Bombas multicelulares.**

Aplicaciones: Las bombas horizontales multicelulares de la serie SIGMA, por su elevado rendimiento y funcionamiento EXTREMADAMENTE SILENCIOSO, son especialmente indicadas para su uso en equipos de presurización tanto de uso domestico como industriales.

Autoaspirantes hasta 2 mts.

Características Constructivas: Turbinas y cuerpo bomba en acero inoxidable AISI 304. Difusores en tecnopolímero inyectado con fibra de vidrio. Cuerpo de aspiración e impulsión en fundición GG-20, pintado interior y exteriormente con pintura antioxidante mediante cataforesis. Eje en acero inoxidable AISI 420. Cierre mecánico en cerámica grafito y AISI 304. Ø Rosca de asp/imp:

- Series 100/200: 1"
- Series 300/400: 1 1/4"

Motor: Motor asíncrono, cerrado de ventilación externa, apto para trabajo continuo. Grado de protección IP-55, aislamiento clase F (calentamiento "B") aptos para trabajo a través de variadores de frecuencia.

Temperatura máxima del agua: 35°C.
Temperatura máxima ambiente: 45°C.

 **Multistage pumps.**


Applications: The multistage horizontal pumps of the SIGMA series, through their high output and extremely silent operation, are particularly recommended for the use in domestic and industrial pressuring systems.
 Self priming up to 2 meters.

Constructive characteristics: Impeller and pump housing in stainless steel AISI 304. Shaft in stainless steel AISI 420. Diffusers injected with fiber glass. Inlet and outlet body in cast iron GG-20 with internal and external rust proofing paint. Mechanical seal in graphite ceramic and Stainless steel AISI 304.

- Ø Connection Inlet/outlet:
- 100/200 series: 1"
 - 300/400 series: 1 1/4"

Motor: Standard asynchronous motor, sealed from external ventilation, suitable for continuous work. IP-55 protection, class F Isolation B. Suitable for work through frequency inverters.

Maximum water temperature: 35°C.
Maximum ambient temperature: 45°C.

 **Pompes multicellulaires.**

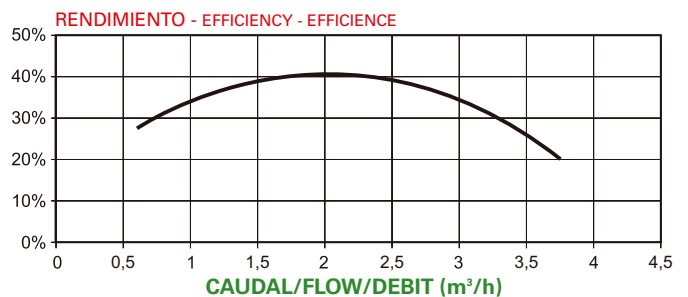
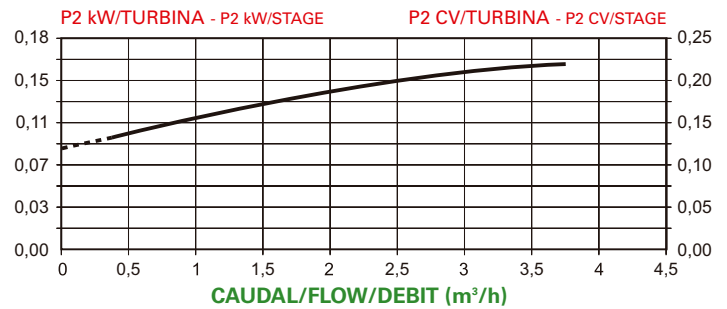
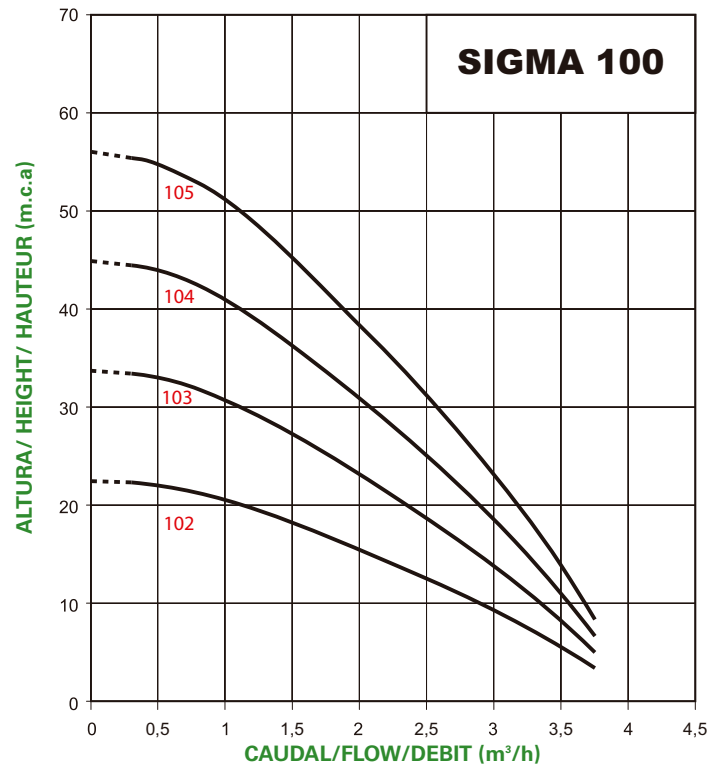
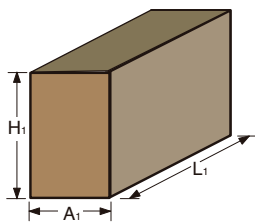
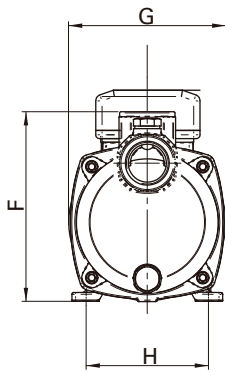
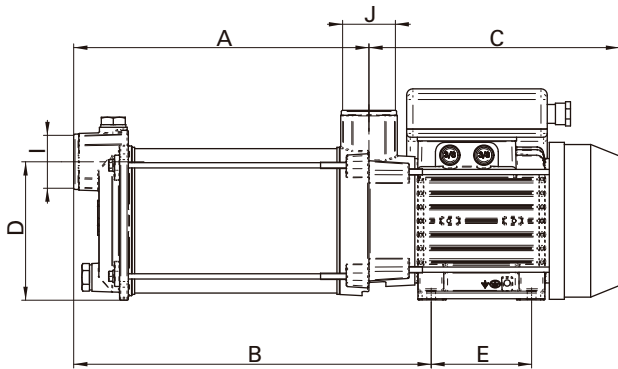
Applications: Les pompes verticales multicellulaires de la serie SIGMA étant très performantes et extrêmement silencieuses, sont spécialement indiquées pour être utilisées sur des équipements de pressurisation pour un usage civil qu'industriel.
 Pompe auto-aspirante jusqu'à 2 mètres.

Caractéristiques Constructives: Turbinas et corps pompe en acier inoxydable AISI 304. Arbre pompe en acier inoxydable AISI 420. Diffuseurs en techno polymère injecté avec fibre de verre. Corps aspiration et corps impulsión en fonte GG-20 avec traitement antioxydant intérieur et extérieur. Fermeture mécanique en céramique graphite et AISI 304.

- Ø Connexion Aspiration/Impulsion:
- Series 100/200: 1"
 - Series 300/400: 1 1/4"

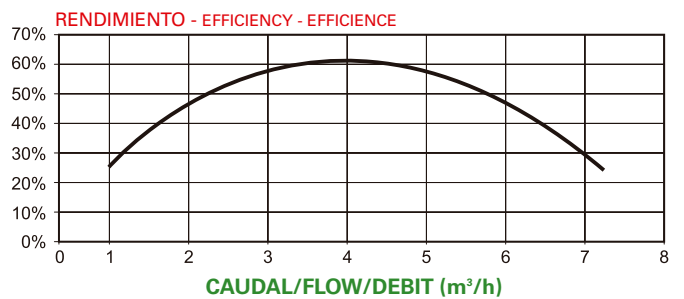
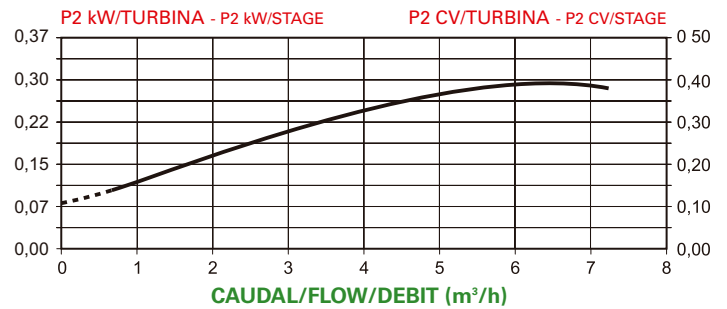
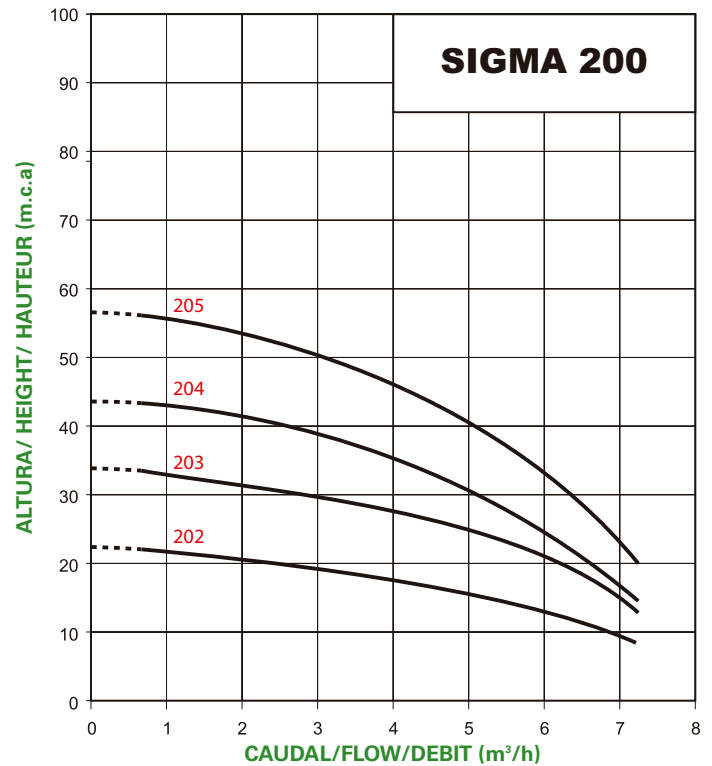
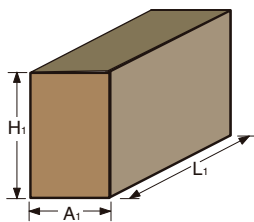
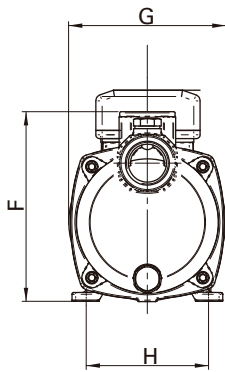
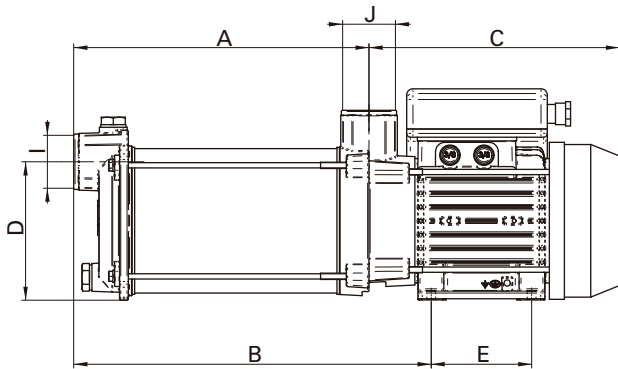
Moteur: Moteur asynchrone standard, fermé à ventilation externe, apte à un travail continu. Degré de protection IP-55, Isolement classe F (chauffage B) apte à un fonctionnement à travers de variateurs de fréquence.

Température maximale de l'eau : 35°C.
Température ambiante maximale : 45°C



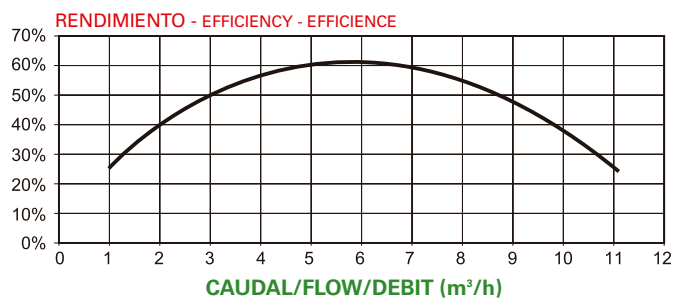
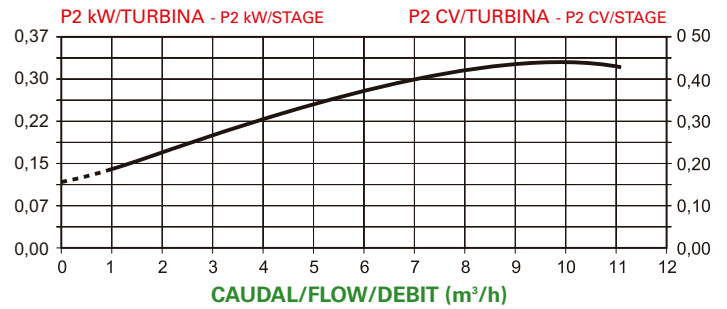
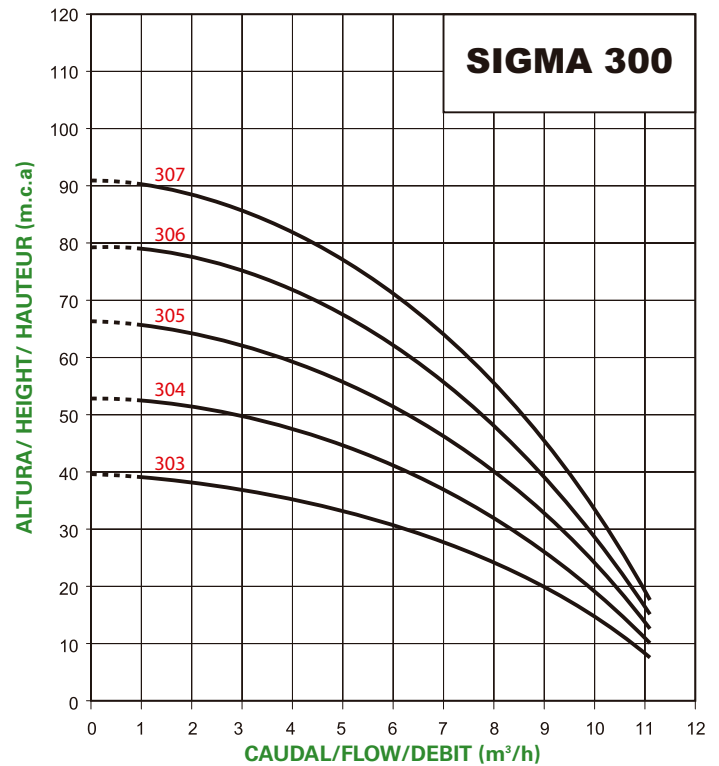
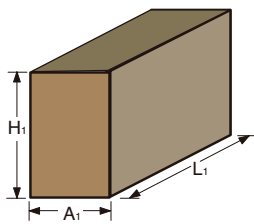
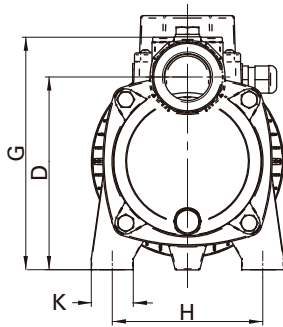
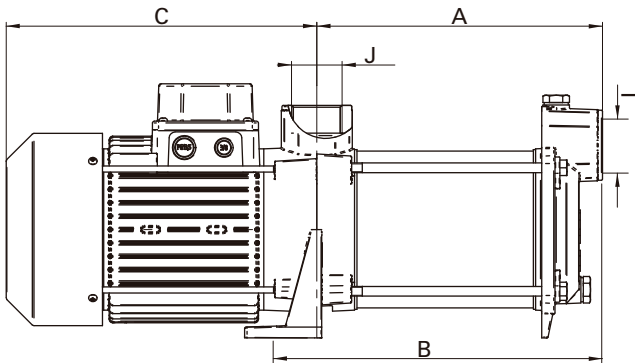
Tipo / Type	A	B	C	D	E	F	G	H	I	J	H ₁	A ₁	L ₁	Neto Kg	Bruto Kg
SIGMA 102	202	213	195	110	80	183	125	100	1"	1"	186	130	465	8,4	9,2
SIGMA 103	229	237	195	110	80	183	125	100	1"	1"	186	130	465	9,3	10,1
SIGMA 104	255	261	195	110	80	183	125	100	1"	1"	186	130	465	10,2	11
SIGMA 105	281	285	195	110	80	183	125	100	1"	1"	186	130	465	11,3	12,1

Tipo Type	Potencia		"A"			Cond. µf	Caudal m³/h / Flow m³/h										Diámetro	
	HP	KW	II 230	III 230	III 400		0	0,5	1	1,5	2	2,5	3	3,5	4	ASP	IMP	
SIGMA 102	0,33	0,25	2	-	-	12	23	22	20	18	15	12	9	6	1	1"	1"	
SIGMA 103	0,5	0,37	3,4	-	-	12	34	33	31	27	23	19	14	8	1,5	1"	1"	
SIGMA 104	0,75	0,55	4,2	-	-	12	45	44	41	36	31	25	18	11	2	1"	1"	
SIGMA 105	1	0,75	4,7	3,6	2,1	12	56	55	51	45	38	31	23	14	3	1"	1"	



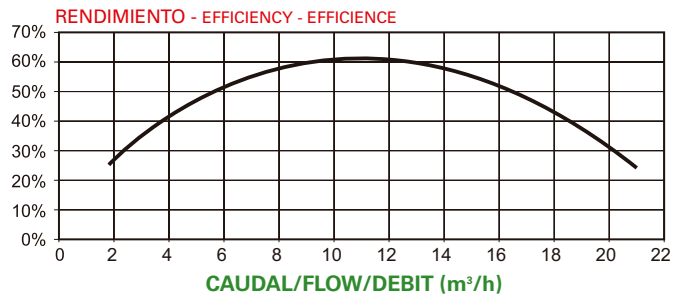
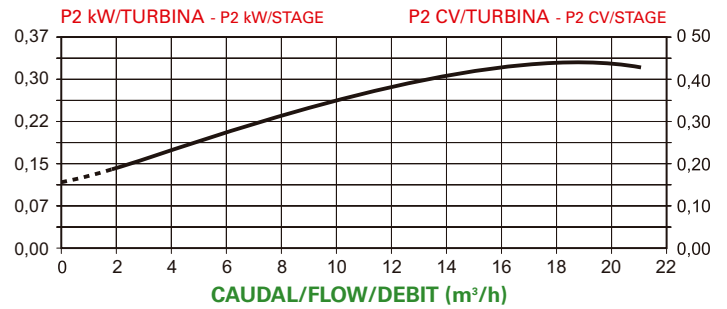
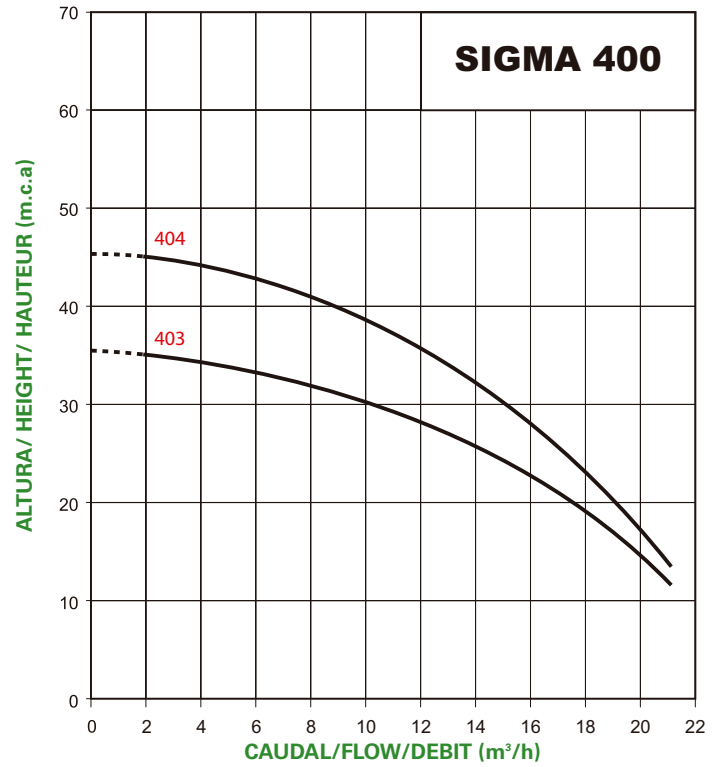
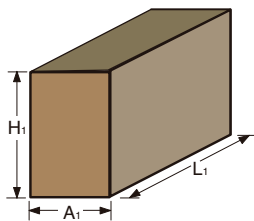
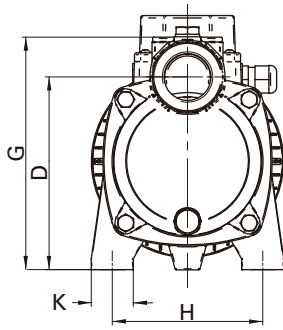
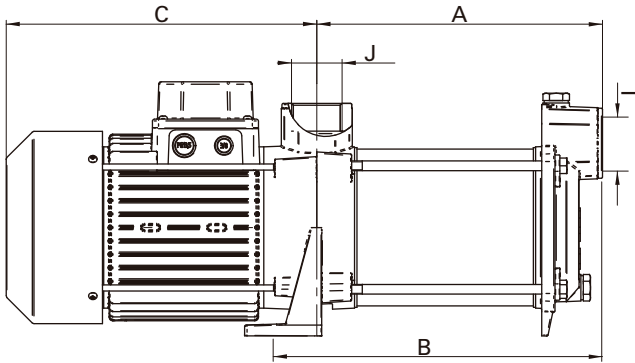
Tipo / Type	A	B	C	D	E	F	G	H	I	J	H ₁	A ₁	L ₁	Neto Kg	Bruto Kg
SIGMA 202	176	212	195	127	81	183	132	112	1"	1"	186	138	477	13,1	13,9
SIGMA 203	202	237	195	127	81	183	132	112	1"	1"	186	138	477	13,7	14,5
SIGMA 204	229	262	195	127	81	183	132	112	1"	1"	186	138	477	14,8	15,6
SIGMA 205	255	287	195	127	81	183	132	112	1"	1"	186	138	477	17,5	18,3

Tipo Type	Potencia		"A"			Cond. µf	Caudal m³/h / Flow m³/h							Diámetro		
	HP	KW	II	III	III		0	1	2	3	4	5	6	7	ASP.	IMP.
			230	230	400											
SIGMA 202	1	0,75	4,7	-	-	12	23	22	21	20	18	16	13	9	1"	1"
SIGMA 203	1	0,75	5,5	-	-	12	34	33	31,5	29,5	27	24	20	14	1"	1"
SIGMA 204	1,25	0,42	6,8	-	-	20	44	43	41	38	35	31	25	17	1"	1"
SIGMA 205	1,5	1,1	7,4	5,2	3	20	57	55	53	50	46	40,5	33	23	1"	1"



Tipo / Type	A	B	C	D	G	H	I	J	K	H ₁	A ₁	L ₁	Neto Kg	Bruto Kg
SIGMA 303	187	215	258	147	193	125	11/4"	11/4"	35	220	180	602	27	27,9
SIGMA 304	212	239	258	147	193	125	11/4"	11/4"	35	220	180	602	27,5	28,4
SIGMA 305	237	264	258	147	193	125	11/4"	11/4"	35	220	180	602	28	28,9
SIGMA 306	262	289	295	147	193	125	11/4"	11/4"	35	220	180	602	28,5	29,4
SIGMA 307	287	314	295	147	193	125	11/4"	11/4"	35	220	180	602	29	29,9

Tipo Type	Potencia		"A"			Cond. µf	Caudal m³/h / Flow m³/h										Diámetro	
	HP	KW	II 230	III 230	III 400		1,5	3	4,5	6	7	8	9	10	11	ASP	IMP	
							Altura m.c.a. / Height w.c.m.											
SIGMA 303	1,2	0,9	7	4,2	2,3	20	39	37	35	32	28	24	20	14	8	11/4"	11/4"	
SIGMA 304	1,5	1,1	8,2	4,8	2,5	20	51	50	46	42	37	32	26	18	12	11/4"	11/4"	
SIGMA 305	2	1,5	9,5	6,1	3,5	20	65	62	58	52	46	40	32	24	14	11/4"	11/4"	
SIGMA 306	3	2,2	-	8,5	5,1	-	77	75	70	63	56	48	38	28	16	11/4"	11/4"	
SIGMA 307	3	2,2	-	8,5	5,1	-	90	86	79	70	65	54	42	32	18	11/4"	11/4"	



Tipo / Type	A	B	C	D	G	H	I	J	K	H ₁	A ₁	L ₁	Neto Kg	Bruto Kg
SIGMA 403	242	258	258	147	193	125	11/4"	11/4"	35	220	180	602	26,5	27,4
SIGMA 404	281	295	295	147	193	125	11/4"	11/4"	35	220	180	602	28	28,9

Tipo Type	Potencia		"A"			Cond. µf	Caudal m³/h / Flow m³/h									Diámetro	
	HP	KW	II 230	III 230	III 400		1,5	3	4,5	6	9	12	15	18	21	ASP	IMP
SIGMA 403	2	1,5	9,5	6,1	3,5	20	35	34	33	32	30	28	24	19	12	11/4"	11/4"
SIGMA 404	3	2,2	-	8,5	5,1	-	46	45	44	43	40	36	31	24	14	11/4"	11/4"