

## CARACTERÍSTICAS GENERALES

Tipo : Sumergible

Caudal : de 2 a 285 m<sup>3</sup>/h

Altura manométrica : de 2 a 30 m.c.a

1450 y 2850 r.p.m.

IP 68

Aislamiento clase F

Refrigeración por baño de aceite, por el mismo agua o por ventilación externa

Temperatura máxima del agua 40°C



## COMPOSICIÓN DE MATERIALES

Denominación componentes	Materiales
Cuerpo bomba	Fundición gris
Turbina	Fundición gris
Eje	Acero Inoxidable
Tornillería	Acero Inoxidable
Cierre mecánico	Cerámica / Grafito

## DATOS ELÉCTRICOS

Modelo			Potencia		Tensión	Consumo (A)	r.p.m	Condensador (µF)
Sumergible	Vertical	Horizontal	c.v.	kW				
GL 40 / II	SLW 48 / 15	LH 40 / II	1,5	1,1	230 / 400	4,5 / 2,6	2850	---
GL 40 / II M	SLW 48 / 15 M	LH 40 / II M	1,5	1,1	230	9,5	2850	---
GL 40 / 1500	SLW 48 / 10	LH 40 / 10	1	0,75	230 / 400	3,5 / 2	1450	---
	SLW 48 / 10 M	LH 40 / 10 M	1	0,75	230		1450	---
GL 40 / 15	SLW 48 / 20	LH 40 / 20	2	1,5	230 / 400	4,5 / 2,6	2850	---
GL 40 / 25	SLW 48 / 30	LH 40 / 30	3	2,2	230 / 400	8,7 / 5	2850	---
GL 60 / 20	SLW 60 / 20	LH 60 / 20	2	1,5	230 / 400	4,5 / 2,6	1450	---
GL 60 / 50	SLW 60 / 50	LH 60 / 50	5,5	4	230 / 400	16 / 9,2	2850	---
GL 60 / 55	SLW 60 / 55	LH 60 / 55	5,5	4	230 / 400	16 / 9,2	2850	---
GL 80 / 30	SLW 80 / 30	LH 80 / 30	3	2,2	230 / 400	5,9 / 3,4	1450	---
GL 80 / 40	SLW 80 / 40	LH 80 / 40	4	3	230 / 400	11,6 / 6,6	1450	---
GL 80 / 55	SLW 80 / 55	LH 80 / 55	5,5	4	230 / 400	16 / 9,2	1450	---
GL 100 / 55	SLW 100 / 55	LH 100 / 55	5,5	4	230 / 400	16 / 9,2	1450	---
GL 100 / 75	SLW 100 / 75	LH 100 / 75	7,5	5,5	400 / 690	22 / 13	1450	---
GL 100 / 100	SLW 100 / 100	LH 100 / 100	10	7,5	400 / 690	26 / 15	1450	---

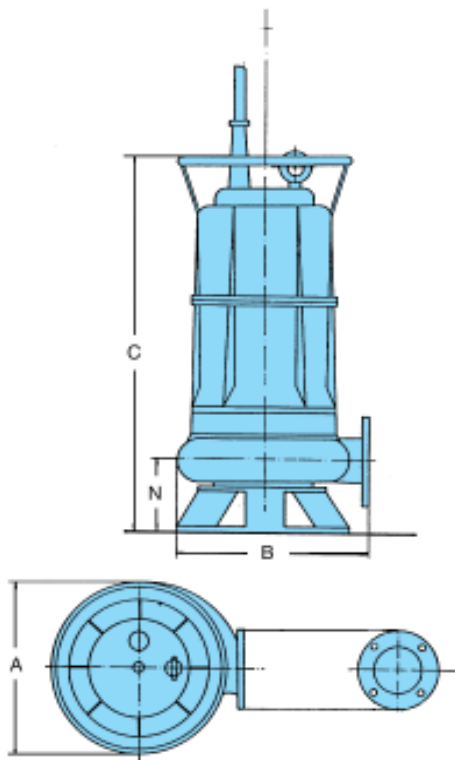
Modelo			Potencia		Tensión	Consumo (A)	r.p.m	Condensador (µF)
Sumergible	Vertical	Horizontal	c.v.	kW				
GF 40 / II			1,5	1,1	230 / 400	4,5 / 2,6	2850	---
GF 40 / II M			1,5	1,1	230	9,5	2850	
GF 40 / 1500	SFW 48 / 10	FH 40 / 10	1	0,75	230 / 400	3,5 / 2	1450	---
	SFW 48 / 10 M	FH 40 / 10 M	1	0,75	230		1450	
GF 40 / 15	SFW 48 / 20	FH 40 / 20	2	1,5	230 / 400	4,5 / 2,6	2850	---
GF 40 / 25	SFW 48 / 30	FH 40 / 30	3	2,2	230 / 400	8,7 / 5	2850	---
GF 60 / 20		FH 60 / 20	2	1,5	230 / 400	4,5 / 2,6	1450	---
GF 60 / 50	SLW 60 / 50	FH 60 / 50	5,5	4	230 / 400	16 / 9,2	2850	---
GF 60 / 55		FH 60 / 55	5,5	4	230 / 400	16 / 9,2	2850	---
GF 80 / 30		FH 80 / 30	3	2,2	230 / 400	5,9 / 3,4	1450	---
GF 80 / 40	SLW 80 / 40	FH 80 / 40	4	3	230 / 400	11,6 / 6,6	1450	---
GF 80 / 55		FH 80 / 55	5,5	4	230 / 400	16 / 9,2	1450	---
GF 100 / 55	SLW 100 / 55	FH 100 / 55	5,5	4	230 / 400	16 / 9,2	1450	---
GF 100 / 75	SLW 100 / 75	FH 100 / 75	7,5	5,5	400 / 690	22 / 13	1450	---
GF 100 / 100	SLW 100 / 100	FH 100 / 100	10	7,5	400 / 690	26 / 15	1450	---
GC 60 / 20	SGW 60 / 20		2	1,5	230 / 400	4,5 / 2,6	1450	---
GC 80 / 30	SGW 80 / 30		3	2,2	230 / 400	8,7 / 5	1450	---
GC 100 / 40	SGW 100 / 40		4	3	230 / 400	11,6 / 6,6	1450	---
GC 150 / 55	SGW 150 / 55		5,5	4	230 / 400	16 / 9,2	1450	---
GC 150 / 75	SGW 150 / 75		7,5	5,5	400 / 690	22 / 13	1450	---
GC 150 / 100	SGW 150 / 100		10	7,5	400 / 690	26 / 15	1450	---
GC 80 / 55	SGW 80 / 55		5,5	4	230 / 400	16 / 9,2	2850	---
GC 100 / 75	SGW 100 / 75		7,5	5,5	400 / 690	22 / 13	2850	---
GC 100 / 100	SGW 100 / 100		10	7,5	400 / 690	26 / 15	2850	---
GC 100 / 125	SGW 100 / 125		12,5	9,2	400 / 690		2850	---

## DATOS MECÁNICOS

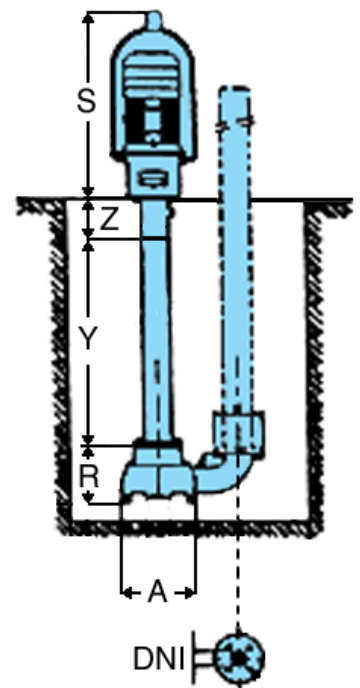
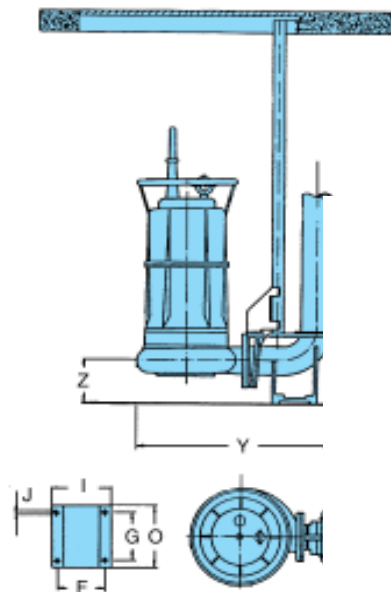
Modelo			Turbinas	Rodamientos		Cierre mecánico (Lidering)	Mec	Ø Cable	Ø Sedimentos (mm)
Sumergible	Vertical	Horizontal		Delantero	Trasero				
GL 40/11	SLW 48/15	LH 40/11	1				---		35
GL 40/11 M	SLW 48/15 M	LH 40/11 M	1				---		35
GL 40/1500	SLW 48/10	LH 40/10	1				---		35
	SLW 48/10 M	LH 40/10 M	1				---		35
GL 40/15	SLW 48/20	LH 40/20	1				---		35
GL 40/25	SLW 48/30	LH 40/30	1				---		35
GL 60/20	SLW 60/20	LH 60/20	1				---		45
GL 60/50	SLW 60/50	LH 60/50	1				---		45
GL 60/55	SLW 60/55	LH 60/55	1				---		45
GL 80/30	SLW 80/30	LH 80/30	1				---		65
GL 80/40	SLW 80/40	LH 80/40	1				---		65
GL 80/55	SLW 80/55	LH 80/55	1				---		65

Modelo			Turbinas	Rodamientos		Cierre mecanico (Lidering)	Mec	Ø Cable	Ø Sedimentos (mm)
Sumergible	Vertical	Horizontal		Delantero	Trasero				
GL 100/55	SLW 100/55	LH 100/55	1				---		85
GL 100/75	SLW 100/75	LH 100/75	1				---		85
GL 100/100	SLW 100/100	LH 100/100	1				---		85
GF 40/11			1				---		45
GF 40/11 M			1				---		45
GF 40/1500	SFW 48/10	FH 40/10	1				---		45
	SFW 48/10 M	FH 40/10 M	1				---		45
GF 40/15	SFW 48/20	FH 40/20	1				---		45
GF 40/25	SFW 48/30	FH 40/30	1				---		45
GF 60/20		FH 60/20	1				---		50
GF 60/50	SLW 60/50	FH 60/50	1				---		50
GF 60/55		FH 60/55	1				---		50
GF 80/30		FH 80/30	1				---		75
GF 80/40	SLW 80/40	FH 80/40	1				---		75
GF 80/55		FH 80/55	1				---		75
GF 100/55	SLW 100/55	FH 100/55	1				---		95
GF 100/75	SLW 100/75	FH 100/75	1				---		95
GF 100/100	SLW 100/100	FH 100/100	1				---		95
GC 60/20	SGW 60/20		1				---		50
GC 80/30	SGW 80/30		1				---		60
GC 100/40	SGW 100/40		1				---		85
GC 150/55	SGW 150/55		1				---		100
GC 150/75	SGW 150/75		1				---		100
GC 150/100	SGW 150/100		1				---		100
GC 80/55	SGW 80/55		1				---		60
GC 100/75	SGW 100/75		1				---		85
GC 100/100	SGW 100/100		1				---		85
GC 100/125	SGW 100/125		1				---		85

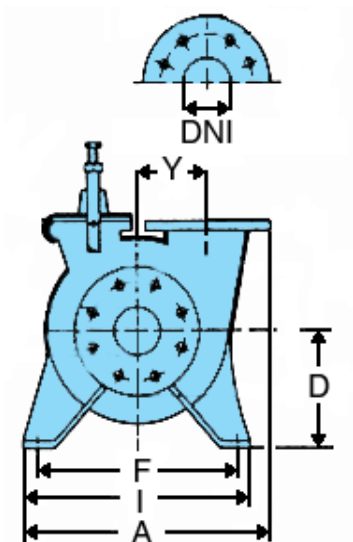
## DIMENSIONES Y PESOS



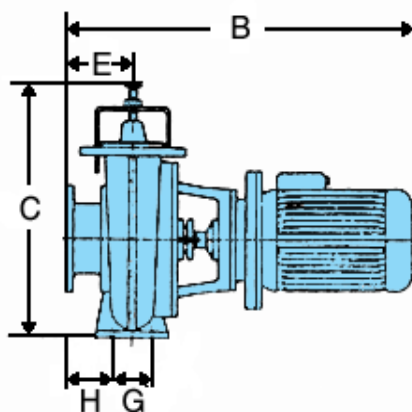
**Serie G**



**Serie S**



**Serie F**



Longitud Caña					
Y1	400	900	1400	1800	2300
Y2	500	1000	1500	2000	2500

Modelo	Dimensiones (mm)																Peso (Kg)	
	DNI	A	B	C	D	E	F	G	H	I	J	N	O	R	S	Y		Z
GL 40 / 11	DN 40	180	245	516	---	---	110	110	---	132	15	85	155	---	---	440	137	35
GL 40 / 1500	DN 40	180	245	516	---	---	110	110	---	132	15	85	155	---	---	440	137	33
GL 40 / 11 M	DN 40	180	245	516	---	---	110	110	---	132	15	85	155	---	---	440	137	35
GL 40 / 15	DN 40	180	245	516	---	---	110	110	---	132	15	85	155	---	---	440	137	35
GL 40 / 25	DN 40	180	245	541	---	---	110	110	---	132	15	85	155	---	---	440	137	36
GL 60 / 20	DN 50	250	283	590	---	---	96	119	---	155	16	130	157	---	---	650	107	50
GL 60 / 50	DN 50	250	283	637	---	---	96	119	---	155	16	130	157	---	---	650	107	72
GL 60 / 55	DN 50	250	283	637	---	---	96	119	---	155	16	130	157	---	---	650	107	72
GL 80 / 30	DN 80	278	336	665	---	---	96	119	---	155	16	145	157	---	---	760	107	87
GL 80 / 40	DN 80	278	336	665	---	---	96	119	---	155	16	145	157	---	---	650	107	88
GL 80 / 55	DN 80	278	336	665	---	---	96	119	---	155	16	145	157	---	---	650	107	89
GL 100 / 55	DN 100	305	380	722	---	---	143	160	---	205	18	200	225	---	---	837	190	138
GL 100 / 75	DN 100	325	360	710	---	---	143	160	---	205	18	159	225	---	---	837	190	139
GL 100 / 100	DN 100	325	360	710	---	---	143	160	---	205	18	159	225	---	---	837	190	140
GF 40 / 11	2"	180	330	546	---	---	110	110	---	132	15	156	155	---	---	440	137	
GF 40 / 11 M	2"	180	330	546	---	---	110	110	---	132	15	156	155	---	---	440	137	37
GF 40 / 1500	DN 40	180	330	546	---	---	110	110	---	132	15	156	155	---	---	440	137	36
GF 40 / 15	DN 40	180	330	546	---	---	110	110	---	132	15	156	155	---	---	440	137	37
GF 40 / 25	DN 40	180	330	571	---	---	110	110	---	132	15	156	155	---	---	440	137	38
GF 60 / 20	DN 50	250	283	620	---	---	96	119	---	155	16	130	157	---	---	650	107	52
GF 60 / 50	DN 50	250	283	667	---	---	96	119	---	155	16	130	157	---	---	650	107	75
GF 60 / 55	DN 50	250	283	667	---	---	96	119	---	155	16	130	157	---	---	650	107	75
GF 80 / 30	DN 80	278	336	707	---	---	96	119	---	155	16	145	157	---	---	760	107	89
GF 80 / 40	DN 80	278	336	707	---	---	96	119	---	155	16	145	157	---	---	760	107	90
GF 80 / 55	DN 80	278	336	707	---	---	96	119	---	155	16	145	157	---	---	760	107	91
GF 100 / 55	DN 100	305	380	767	---	---	143	160	---	205	18	200	225	---	---	837	190	142
GF 100 / 75	DN 100	325	360	755	---	---	143	160	---	205	18	159	225	---	---	837	190	143
GF 100 / 100	DN 100	325	360	755	---	---	143	160	---	205	18	159	225	---	---	837	190	144
GC 60 / 20	DN 50	250	283	620	---	---	96	119	---	155	16	130	157	---	---	650	107	53
GC 80 / 30	DN 80	305	385	722	---	---	96	119	---	155	16	200	157	---	---	770	107	95
GC 100 / 40	DN 100	320	430	730	---	---	143	160	---	205	18	205	225	---	---	770	190	99
GC 150 / 55	DN 150	405	530	880	---	---	90	320	---	110	12	210	350	---	---	960	210	120
GC 150 / 75	DN 150	405	530	880	---	---	90	320	---	110	12	210	350	---	---	960	210	185
GC 150 / 100	DN 150	405	530	880	---	---	90	320	---	110	12	210	350	---	---	960	210	186
GC 80 / 55	DN 80	310	385	722	---	---	96	119	---	155	16	200	157	---	---	770	107	95
GC 100 / 75	DN 100	320	430	830	---	---	143	160	---	205	18	205	225	---	---	770	190	150
GC 100 / 100	DN 100	320	430	830	---	---	143	160	---	205	18	205	225	---	---	770	190	151
GC 100 / 125	DN 100	320	430	830	---	---	143	160	---	205	18	205	225	---	---	770	190	152



# Electrobombas sumergibles para agua residuales serie LFC

Modelo	Dimensiones (mm)																Peso (Kg)	
	DNI	A	B	C	D	E	F	G	H	I	J	N	O	R	S	Y		Z
SLW 48 / 15	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	185	470	Y1	---	---
SLW 48 / 15 M	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	185	470	Y1	---	---
SLW 48 / 10	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	155	470	Y1	---	---
SLW 48 / 10 M	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	155	470	Y1	---	---
SLW 48 / 20	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	155	470	Y1	---	---
SLW 48 / 30	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	155	520	Y1	---	---
SLW 60 / 20	DN 50	130	---	---	---	---	---	---	---	---	---	---	---	167	540	Y1	---	---
SLW 60 / 50	DN 50	130	---	---	---	---	---	---	---	---	---	---	---	167	550	Y2	---	---
SLW 60 / 55	DN 50	130	---	---	---	---	---	---	---	---	---	---	---	167	550	Y2	---	---
SLW 80 / 30	DN 80	130	---	---	---	---	---	---	---	---	---	---	---	270	595	Y2	85	---
SLW 80 / 40	DN 80	130	---	---	---	---	---	---	---	---	---	---	---	270	605	Y2	85	---
SLW 80 / 55	DN 80	130	---	---	---	---	---	---	---	---	---	---	---	270	605	Y2	85	---
SLW 100 / 55	DN 100	160	---	---	---	---	---	---	---	---	---	---	---	185	605	Y2	85	---
SLW 100 / 75	DN 100	160	---	---	---	---	---	---	---	---	---	---	---	275	705	Y2	85	---
SLW 100 / 100	DN 100	160	---	---	---	---	---	---	---	---	---	---	---	275	705	Y2	85	---
SFW 48 / 10	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	155	470	Y1	---	---
SFW 48 / 10 M	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	155	470	Y1	---	---
SFW 48 / 20	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	155	470	Y1	---	---
SFW 48 / 30	DN 40	110	---	---	---	---	---	---	---	---	---	---	---	155	520	Y1	---	---
SLW 60 / 50	DN 50	130	---	---	---	---	---	---	---	---	---	---	---	197	550	Y2	---	---
SLW 80 / 40	DN 80	130	---	---	---	---	---	---	---	---	---	---	---	312	605	Y2	85	---
SLW 100 / 55	DN 100	160	---	---	---	---	---	---	---	---	---	---	---	230	605	Y2	85	---
SLW 100 / 75	DN 100	160	---	---	---	---	---	---	---	---	---	---	---	320	705	Y2	85	---
SLW 100 / 100	DN 100	160	---	---	---	---	---	---	---	---	---	---	---	320	705	Y2	85	---
SGW 60 / 20	DN 50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SGW 80 / 30	DN 80	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SGW 100 / 40	DN 100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SGW 150 / 55	DN 150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SGW 150 / 75	DN 150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SGW 150 / 100	DN 150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SGW 80 / 55	DN 80	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SGW 100 / 75	DN 100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SGW 100 / 100	DN 100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SGW 100 / 125	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



# Electrobombas sumergibles para agua residuales serie LFC

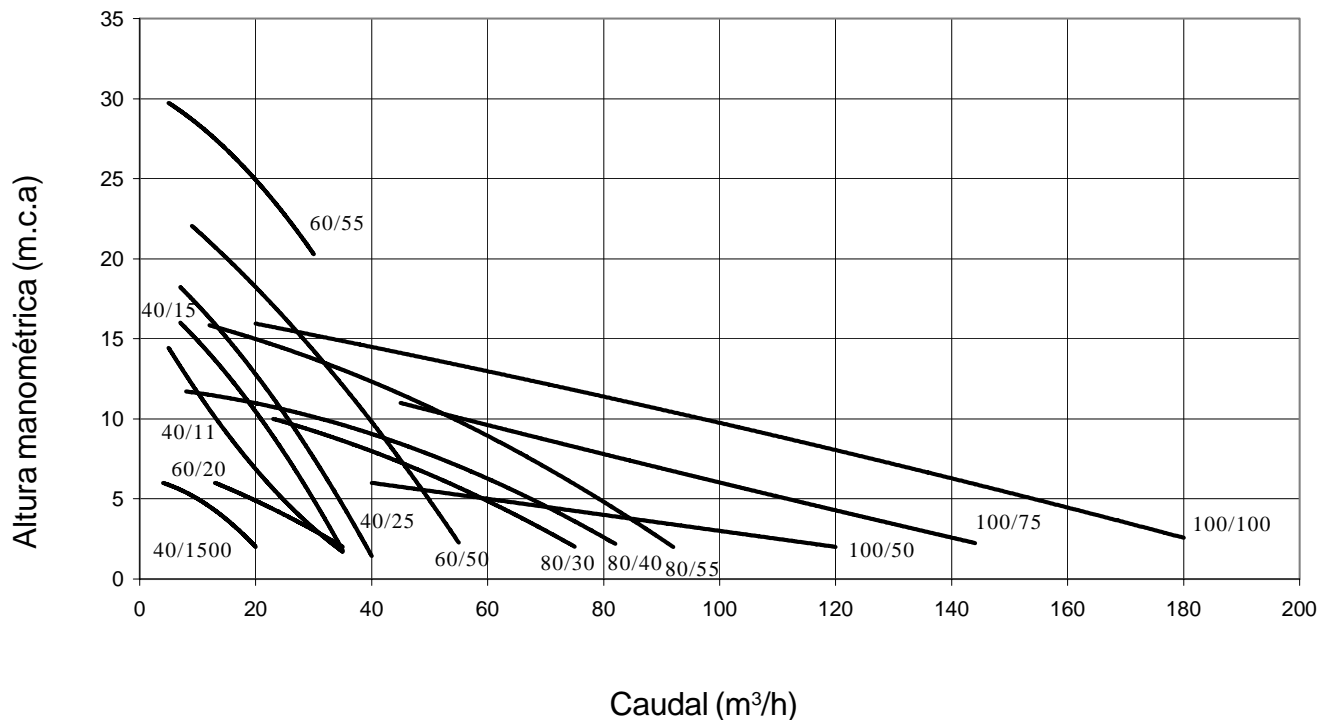
Modelo	Dimensiones (mm)																Peso (Kg)	
	DN1	A	B	C	D	E	F	G	H	I	J	N	O	R	S	Y		Z
LH 40 / 10	DN 40	266,5	490	312	103	73	170	46	490	201	---	---	---	---	---	91	---	38
LH 40 / 10 M	DN 40	266,5	450	312	103	73	170	46	450	201	---	---	---	---	---	91	---	34
LH 40 / 20	DN 40	266,5	490	312	103	73	170	46	490	201	---	---	---	---	---	91	---	41
LH 40 / 30	DN 40	266,5	490	312	103	73	170	46	490	201	---	---	---	---	---	91	---	43
LH 60 / 20	DN 50	311,5	478	360	132	138	195	57	478	242	---	---	---	---	---	108	---	52
LH 60 / 50	DN 50	311,5	539	360	132	138	195	57	539	242	---	---	---	---	---	108	---	69
LH 60 / 55	DN 50	311,5	539	360	132	138	195	57	539	242	---	---	---	---	---	108	---	69
LH 80 / 30	DN 80	335	694	415	145	152	236	59	694	380	---	---	---	---	---	95	---	88
LH 80 / 40	DN 80	335	694	415	145	152	236	59	694	280	---	---	---	---	---	95	---	89
LH 80 / 55	DN 80	335	694	415	145	152	236	59	694	280	---	---	---	---	---	95	---	91
LH 100 / 55	DN 100	443,5	719	525	180	165	310	70	719	365	---	---	---	---	---	151	---	113
LH 100 / 75	DN 100	443,5	753	525	180	165	310	70	753	365	---	---	---	---	---	151	---	132
LH 100 / 100	DN 100	443,5	783	525	180	165	310	70	783	365	---	---	---	---	---	151	---	133
FH 40 / 10	DN 40	266,5	520	312	103	73	170	46	520	201	---	---	---	---	---	91	---	42
FH 40 / 10 M	DN 40	266,5	480	312	103	73	170	46	480	201	---	---	---	---	---	91	---	38
FH 40 / 20	DN 40	266,5	520	312	103	73	170	46	520	201	---	---	---	---	---	91	---	45
FH 40 / 30	DN 40	266,5	520	312	103	73	170	46	520	201	---	---	---	---	---	91	---	47
FH 60 / 20	DN 50	311,5	508	360	132	138	195	57	508	242	---	---	---	---	---	108	---	57
FH 60 / 50	DN 50	311,5	569	360	132	138	195	57	569	242	---	---	---	---	---	108	---	74
FH 60 / 55	DN 50	311,5	569	360	132	138	195	57	569	242	---	---	---	---	---	108	---	74
FH 80 / 30	DN 80	335	724	415	145	152	236	59	724	380	---	---	---	---	---	95	---	93
FH 80 / 40	DN 80	335	724	415	145	152	236	59	724	280	---	---	---	---	---	95	---	94
FH 80 / 55	DN 80	335	724	415	145	152	236	59	724	280	---	---	---	---	---	95	---	96
FH 100 / 55	DN 100	443,5	762	525	180	165	310	70	762	365	---	---	---	---	---	151	---	123
FH 100 / 75	DN 100	443,5	795	525	180	165	310	70	795	365	---	---	---	---	---	151	---	142
FH 100 / 100	DN 100	443,5	828	525	180	165	310	70	828	365	---	---	---	---	---	151	---	143



# Electrobombas sumergibles para agua residuales serie LFC

## CURVAS DE CAUDAL

### Serie L



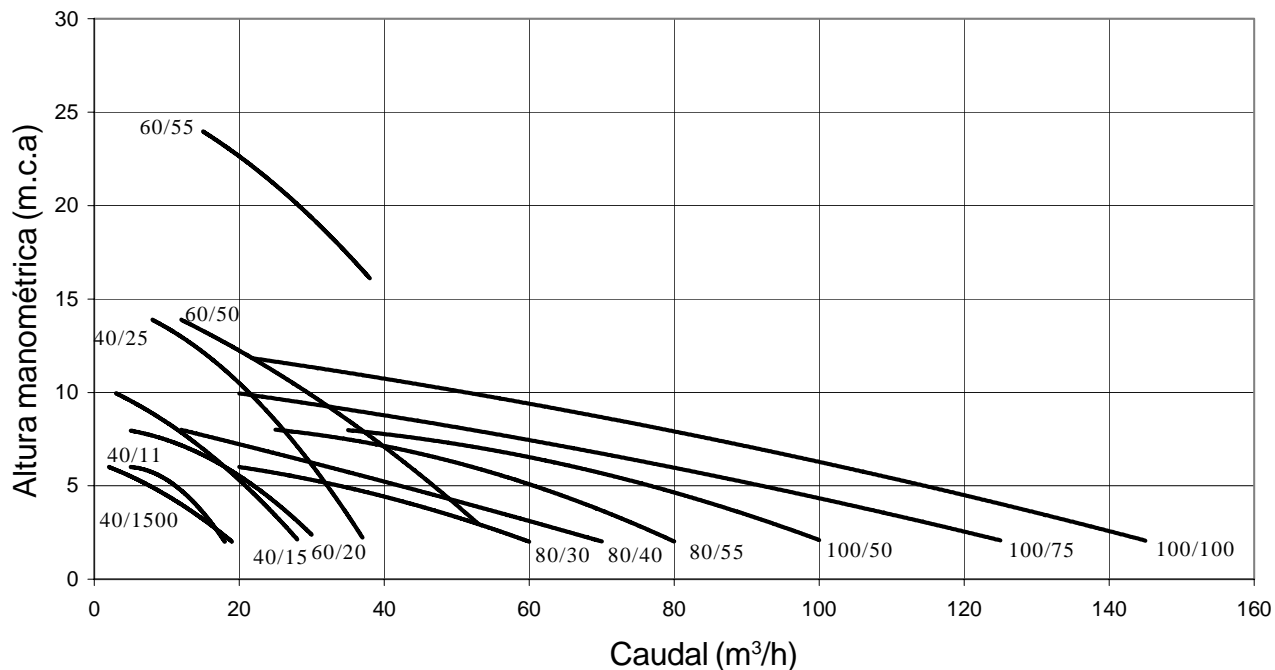
Modelo			Altura manométrica en m.c.a.															
Sumergible GL	Vertical SLW	Horizontal LH	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	
GL-40/II	SLW-48/15	LH-40/15	30	25	22	18	14	10	5									
GL-40/II M	SLW-48/15 M	LH-40/15 M	30	25	22	18	14	10	5									
GL-40/1500	SLW48/10	LH-40/10	20	14	4													
	SLW-48/10 M	LH-40/10 M	20	14	4													
GL-40/15	SLW-48/20	LH-40/20	35	31	28	25	21	17	12	7								
GL-40/25	SLW-48/30	LH-40/30	40	35	32	29	26	22	18	13	7							
GL-60/20	SLW-60/20	LH-60/20	35	25	13													
GL-60/50	SLW-60/50	LH-60/50	55	52	49	43	39	35	31	26	21	15	9					
GL-60/55	SLW-60/55	LH-60/55										30	27	23	17	10	5	
GL-80/30	SLW-80/30	LH-80/30	75	65	53	40	23											
GL-80/40	SLW-80/40	LH-80/40	82	73	63	50	25	8										
GL-80/55	SLW-80/55	LH-80/55	92	83	75	65	55	42	26	12								
GL-100/55	SLW-100/55	LH-100/55	120	80	40													
GL-100/75	SLW-100/75	LH-100/75	144	128	100	73	45	8										
GL-100/100	SLW-100/100	LH-100/100	180	170	145	125	90	70	50	20								





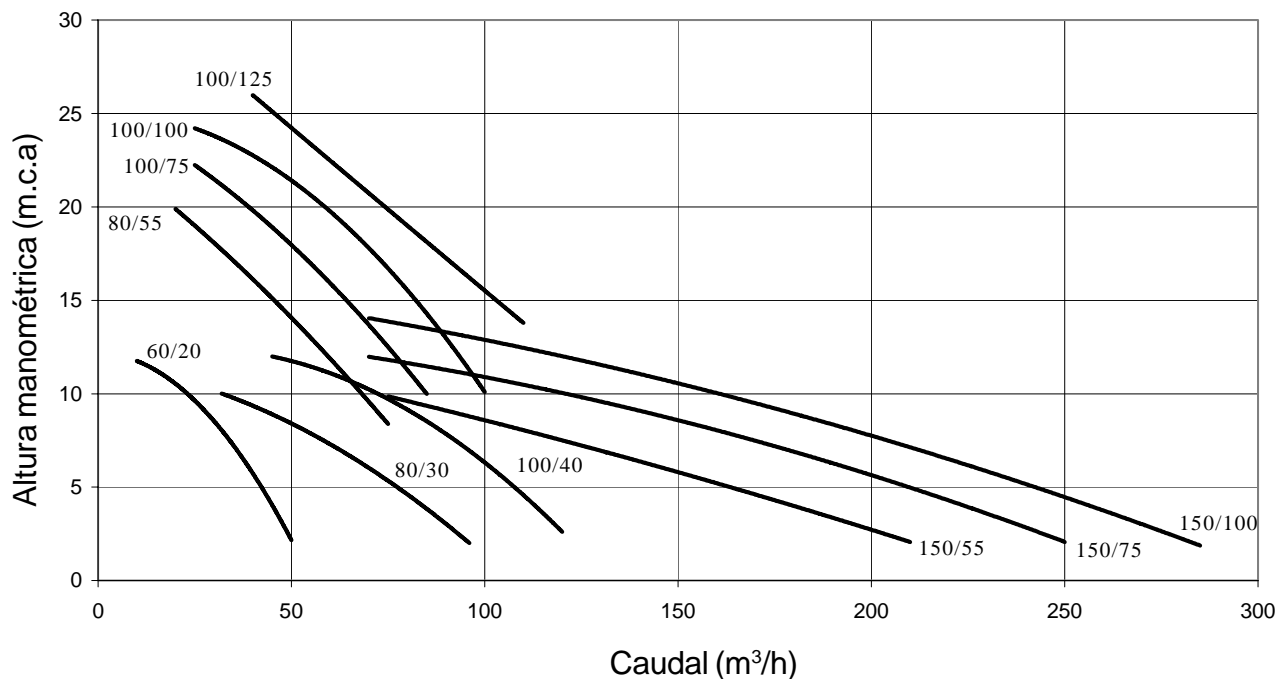
# Electrobombas sumergibles para agua residuales serie LFC

## Serie F



Modelo			Altura manométrica en m.c.a.														
Sumergible GF	Vertical SF	Horizontal FH	2	4	6	8	10	12	14	16	18	20	22	24			
GF-40/II			18	14	5												
GF-40/II M			18	14	5												
GF-40/1500	SFW-48/10	FH-40/10	19	12	2												
	SFW-48/10 M	FH-40/10 M	19	12	2												
GF-40/15	SFW-48/20	FH-40/20	28	24	18	11	3										
GF-40/25	SFW-48/30	FH-40/30	37	34	31	26	21	15	8								
GF-60/20		FH-60/20	30	27	17	5											
GF-60/50	SFW-60/50	FH-60/50	53	51	47	35	29	21	12								
GF-60/55		FH-60/55								38	34	28	22	15			
GF-80/30		FH-80/30	60	44	20												
GF-80/40	SFW-80/40	FH-80/40	70	52	32	12											
GF-80/55		FH-80/55	80	68	52	25											
GF-100/55	SFW-100/55	FH-100/55	100	87	65	35											
GF-100/75	SFW-100/75	FH-100/75	125	105	80	50	20										
GF-100/100	SFW-100/100	FH-100/100	145	125	105	80	46	22									

## Serie C



Modelo			Altura manométrica en m.c.a.														
Sumergible GC	Vertical SG		2	4	6	8	10	12	14	16	18	20	22	24	26		
GC-60/20	SGW-60/20		50	45	40	33	20	10									
GC-80/30	SGW-80/30		96	84	70	54	32										
GC-100/40	SGW-100/40		120	117	100	90	72	45									
GC-150/55	SGW-150/55		210	180	150	105	75										
GC-150/75	SGW-150/75		250	225	195	160	120	70									
GC-150/100	SGW-150/100		285	255	225	195	165	120	70								
GC-80/55	SGW-80/55					75	70	60	50	40	30	20					
GC-100/75	SGW-100/75						85	78	68	55	50	45	25				
GC-100/100	SGW-100/100						100	95	86	75	68	60	50	25			
GC-100/125									110	95	85	75	65	50	40		