



Serie • Series

LN

BOMBAS CENTRIFUGAS VERTICALES IN-LINE SERIE LN

CENTRIFUGAL VERTICAL IN-LINE PUMPS SERIES LN

POMPES CENTRIFUGES VERTICALES IN-LINE SERIE LN



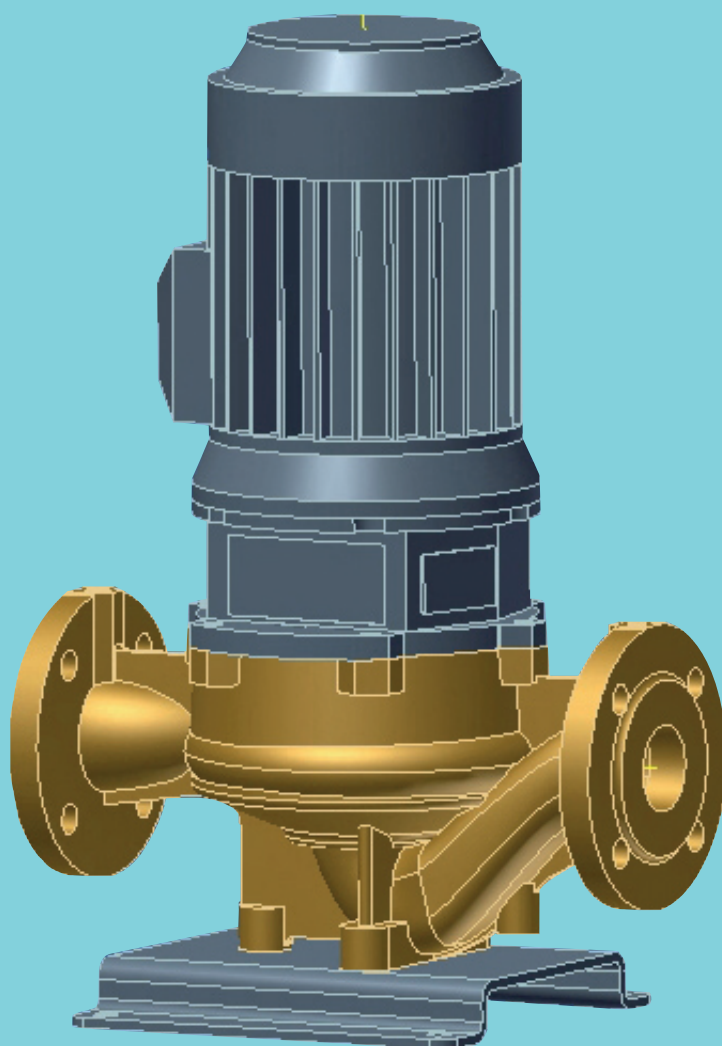
pumps

pumpen

azcue

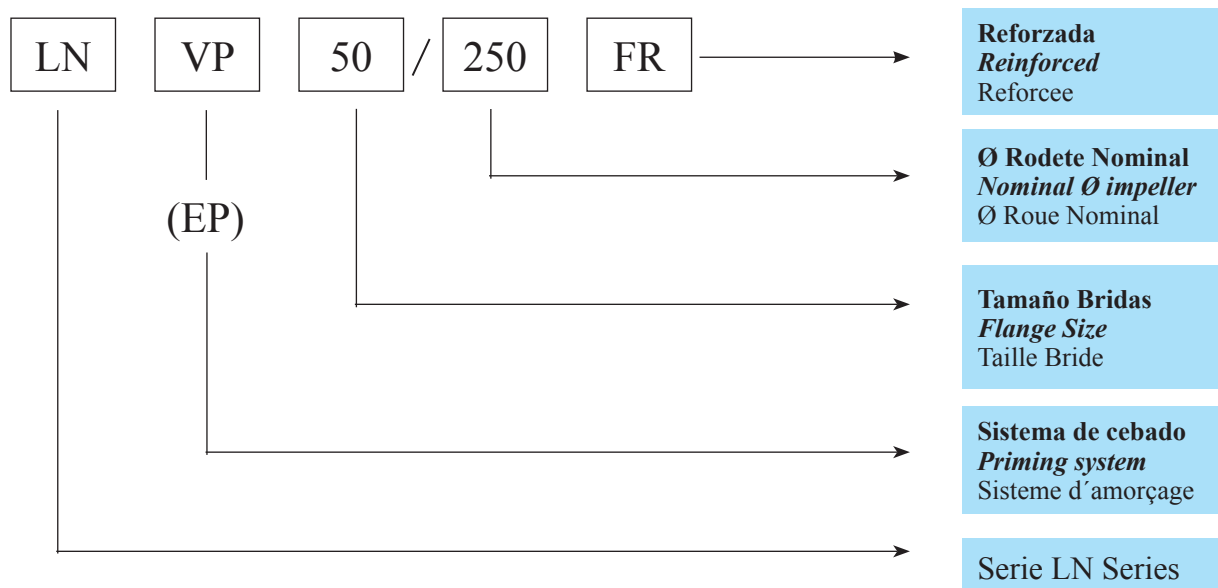
bombas

pompes





Nomenclatura / Description / Denomination



* **VP**: Todos los tamaños. Ver página 13. All sizes. See. page 13. Toutes les dimensions, voir page 3.

* **EP**: Solo bombas grandes. Ver página 13. Only larger pumps. Se page 13. Seulement grandes pompes, voir page 13.

Materiales / Materials / Matériaux

Voluta Volute casing	Bronce / Bronze	
Rodete Impeller	Bronce / Bronze	Hierro fundido / Cast Iron / Fonte
Tapa del cuerpo Casing cover	Bronce / Bronze	Hierro fundido / Cast Iron / Fonte
Eje Shaft	Acero Inoxidable / Stainless Steel / Acier Inox	

Diseño

- Bomba centrífuga vertical IN-LINE.
- Fácil desmontaje.
- Bomba con alto rendimiento y bajo NPSH, que hace que la bomba tenga una gran capacidad de aspiración.

Design

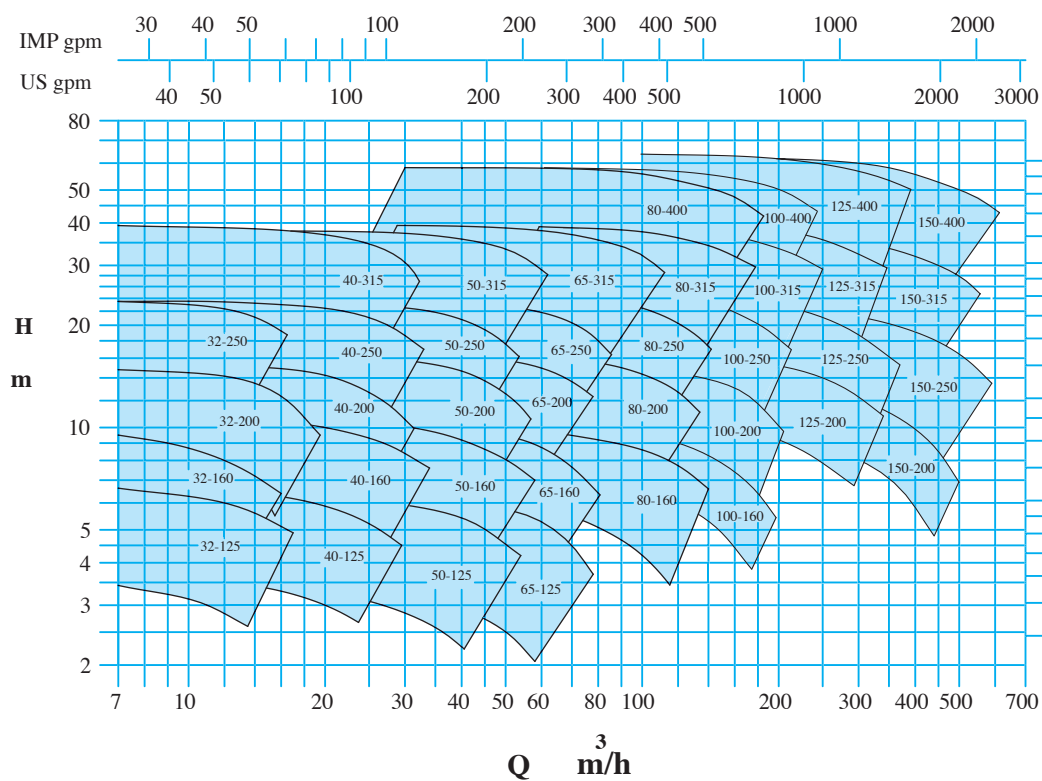
- IN-LINE vertical centrifugal pump.
- Easy dismantling.
- Pump with high efficiency and low NPSH, consequently the pump has a great suction capacity.

Desin

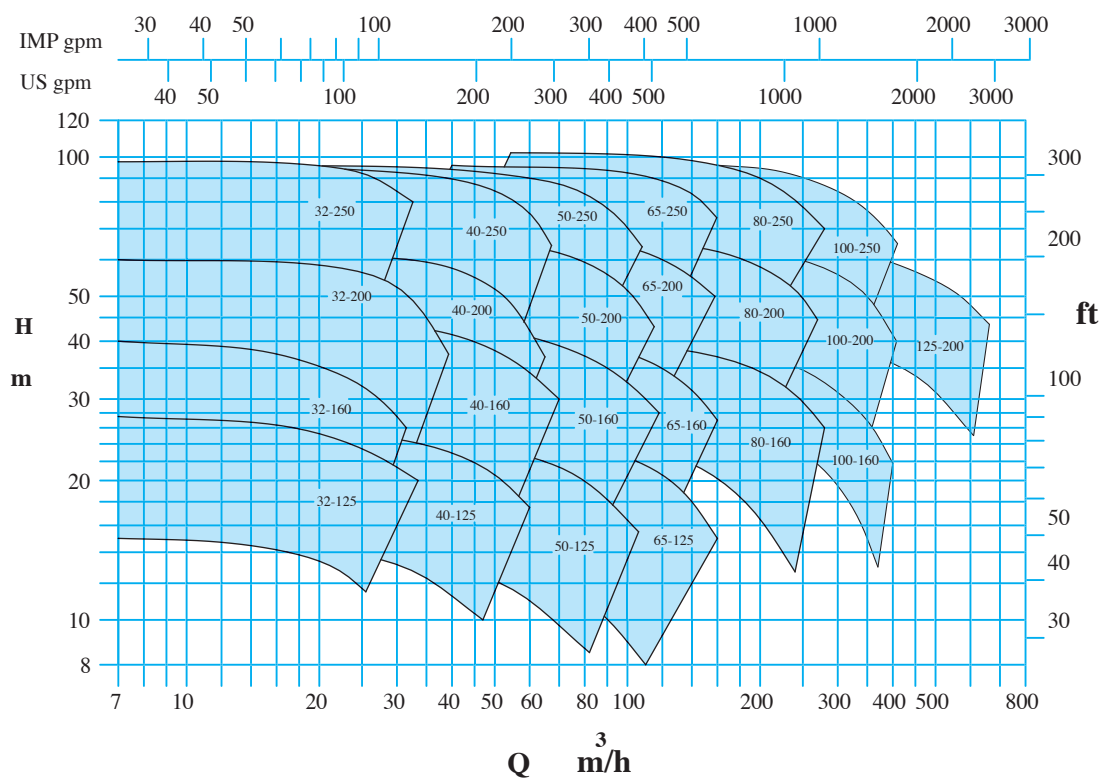
- Pompe centrifuge verticale IN-LINE.
- Demontage facile.
- Pompe avec un haut rendement et bas NPSH, qui fait a la pompe avoir une grande capacité d'aspiration.

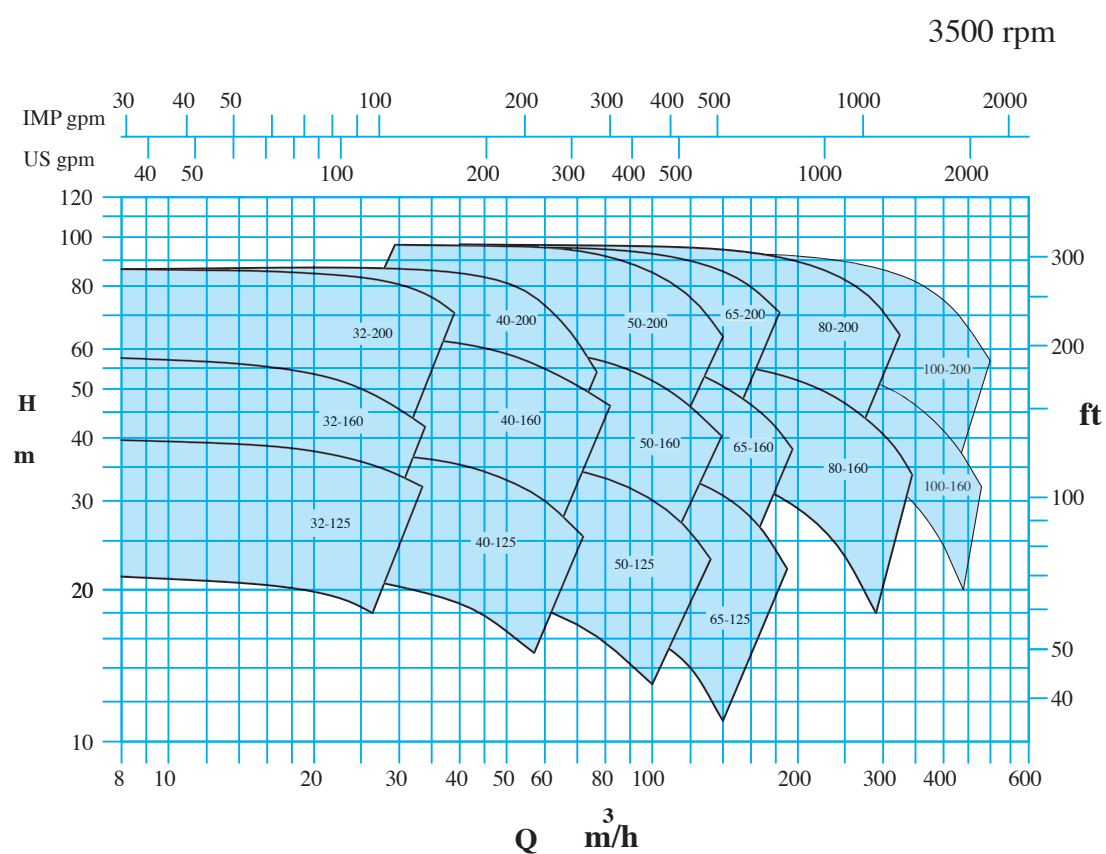
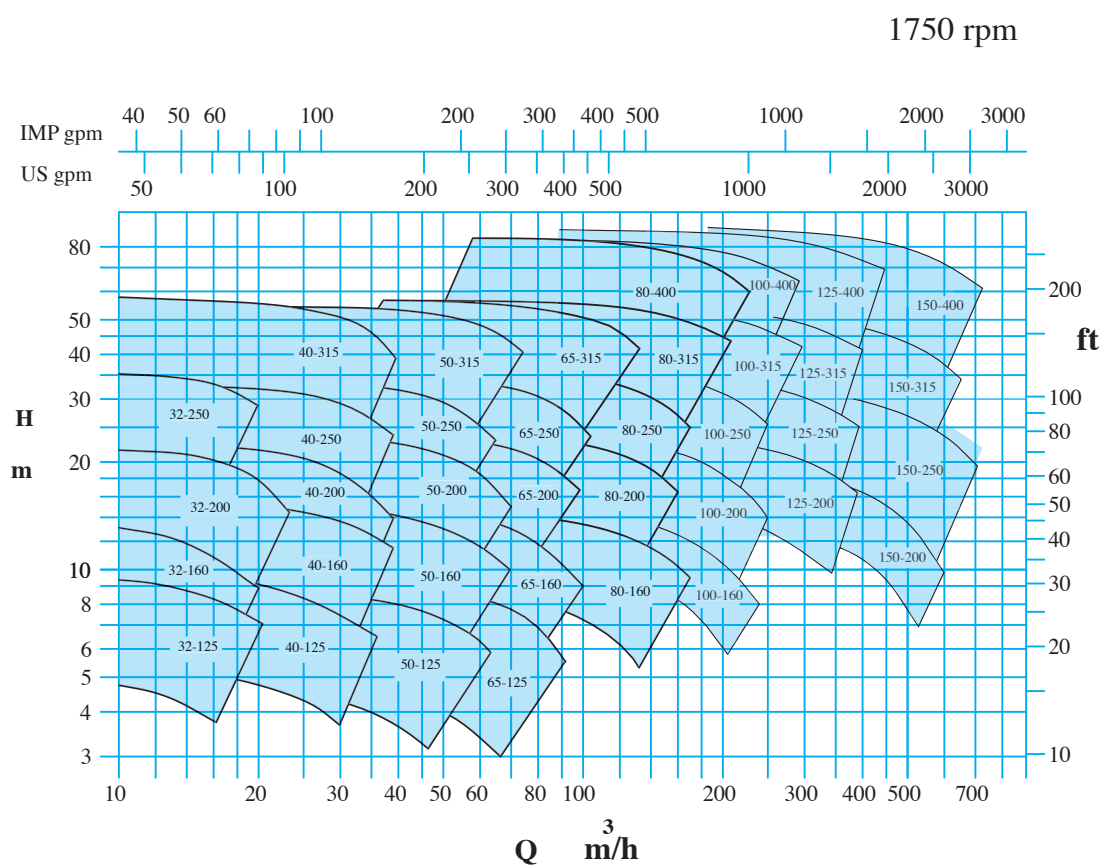


1450 rpm



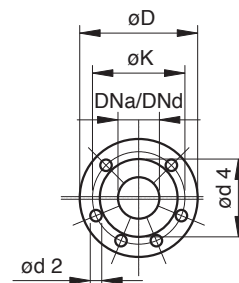
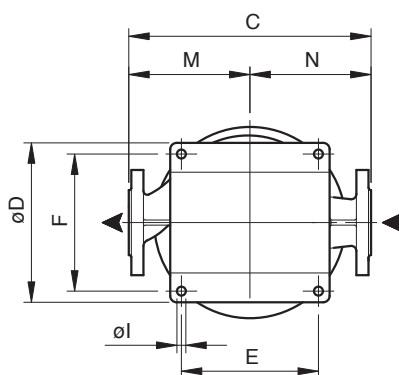
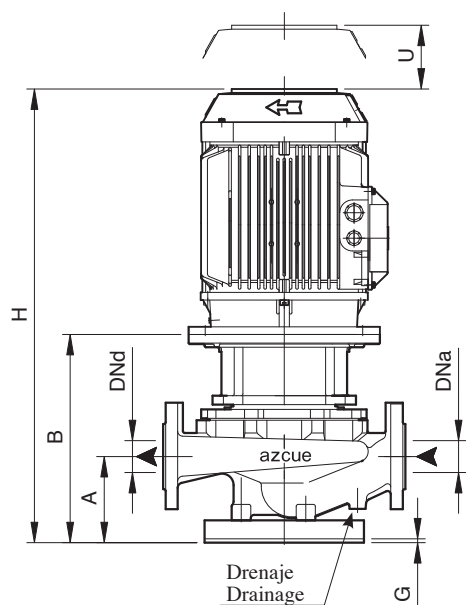
2900 rpm







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Dna/Dnd	32	40	50	65	80	100	125
d4	78	88	102	122	138	158	188
K	100	110	125	145	160	180	210
D	140	150	165	185	200	220	250
Nº	4	4	4	4	8	8	8
d2	18	18	18	18	18	18	18

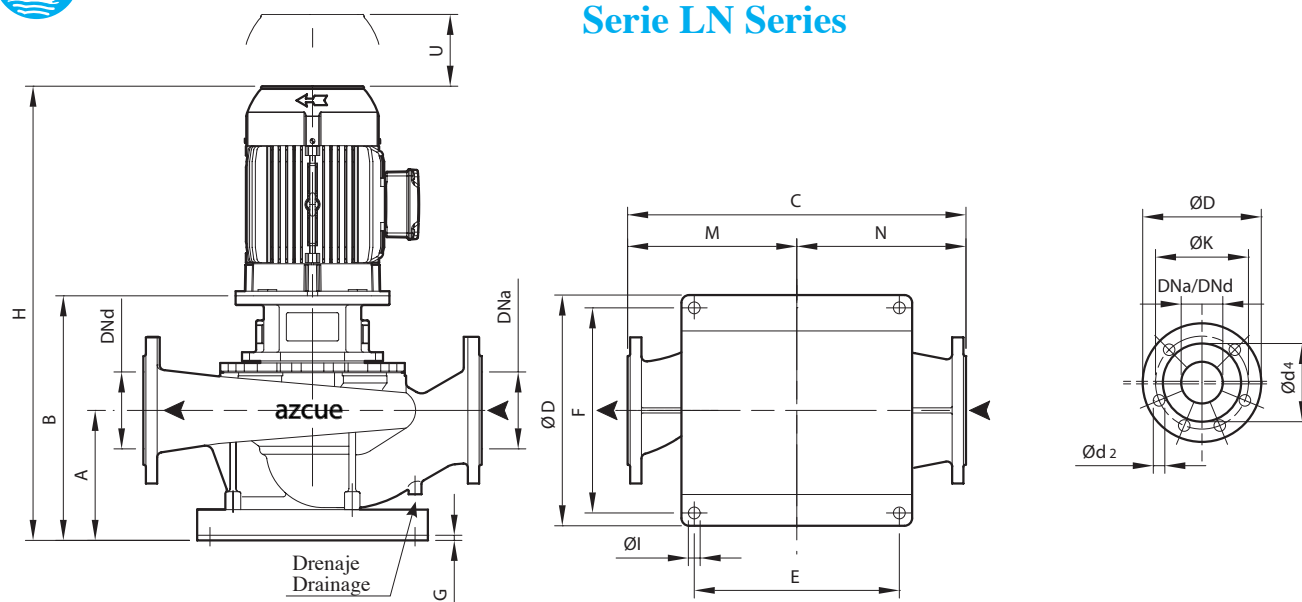
2900/3500 rpm

Tipo Type	Motor KW	DNa	DNd	A	D	F	E	I	M	N	C	G	U	B	H	Kg
32/160	2,2	50	50	147	250	215	215	14	170	170	340	6	100	300	570	53
	3													310	620	65
	4													310	620	70
	5,5													330	715	80
32/200	4	50	50	135	250	215	215	14	190	190	380	6	100	306	616	75
	5,5-7,5				350	315	250	18	190	190	380	6	100	327	712	90
	11-15				350	315	250	18	190	190	380	6	100	356	886	130
32/250	5,5-7,5	50	50	142	350	315	250	18	225	225	450	8	100	333	718	100
	11-15													363	893	140
	18,5													363	893	150
40/125	2,2	65	65	147	250	215	215	14	170	170	340	6	100	308	578	50
	3													318	628	65
	4													318	628	70
	5,5-7,5													338	723	80
40/160	4	65	65	147	250	215	215	14	170	170	340	6	100	318	628	75
	5,5-7,5				350	315	250	18	170	170	340	6	100	338	723	85
	11				350	315	250	18	170	170	340	6	100	368	898	125
40/200	5,5-7,5	65	65	155	350	315	250	18	220	220	440	8	100	339	724	90
	11-15													369	899	130
	18,5													369	899	140
	11-15													373	903	190
40/250	18,5	65	65	151	350	315	250	18	225	225	450	8	100	373	953	160
	22														953	190
	30				171	450	400	400	23	225	225	450	10	100	393	1036
	30				171	450	400	400	23	225	225	450	10	100	393	1036
50/125	3	80	80	166	350	315	250	18	170	190	360	8	100	339	649	75
	4													349	734	80
	5,5-7,5													349	734	90
	11													379	909	130
50/160	5,5-7,5	80	80	172	350	315	250	18	200	200	400	8	100	363	748	90
	11-15													393	923	130
50/200	11-15	80	80	181	350	315	250	18	250	250	500	8	100	395	925	135
	18,5														975	145
	22														975	160
	30														1058	200

Sujeto a cambios / Subject to alterations / Sujet a des modifications



Serie LN Series



EN 1092 Pn10

Dna/Dnd	32	40	50	65	80	100	125	150
d4	78	88	102	122	138	158	188	212
K	100	110	125	145	160	180	210	240
D	140	150	165	185	200	220	250	295
Nº	4	4	4	4	8	8	8	8
d2	18	18	18	18	18	18	18	22

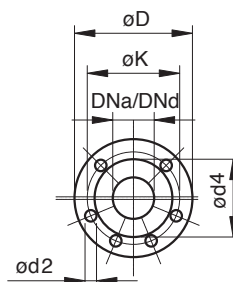
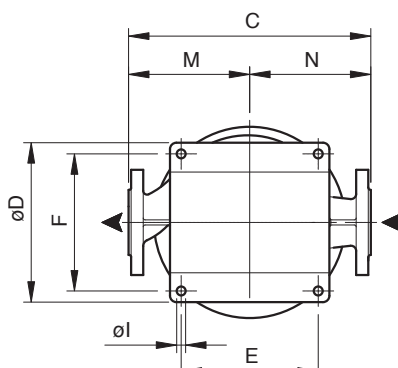
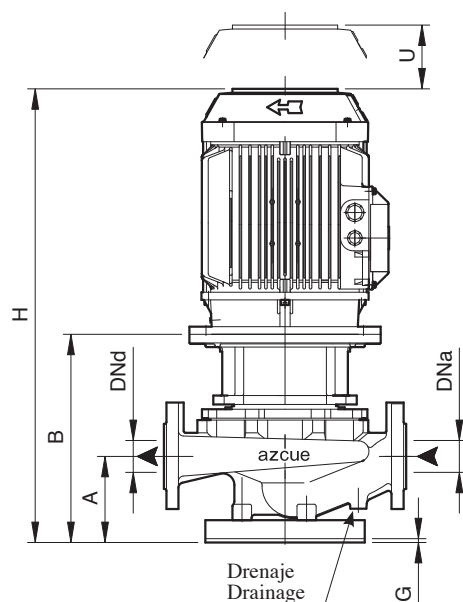
2900/3500 rpm

Tipo Type	Motor	DNa	DNd	A	D	F	E	I	M	N	C	G	U	B	H	
	KW															
50/250	15	80	80	168	350	315	250	18	250	250	500	8	100	389	919	160
	18,5															170
	22															200
	30			188	450	400	400	23	250	250	500	10	100	409	1039	245
	37														1039	265
65/125	4	100	100	179	350	315	250	18	200	200	400	8	100	350	660	75
	5,5-7,5													370	755	85
	11-15													400	910	125
	18,5															135
65/160	5,5-7,5	100	100	185	350	315	250	18	220	220	440	8	100	403	933	100
	11-15															140
	18,5															150
	22													403	983	180
	30			205	450	400	400	23	220	220	440	8	100	423	1053	225
65/200	15	100	100	191	350	315	250	18	250	250	500	8	140	421	951	145
	18,5													421	1001	155
	22															185
	30													211	450	400
	37			265												
65/250	18,5	100	100	192	350	315	250	18	280	280	560	8	140	445	951	180
	22													445	1001	220
	30			212	450	400	400	23	280	280	560	8	140	465	1165	270
	37															300
80/160	15	125	125	235	450	400	400	23	245	245	490	8	140	452	977	140
	18,5														1027	150
	22														1167	180
	30															230
80/200	18,5	125	125	240	450	400	400	23	275	275	550	8	140	487	1067	185
	22														1117	200
	30														1181	255

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Dna/Dnd	32	40	50	65	80	100	125
d4	78	88	102	122	138	158	188
K	100	110	125	145	160	180	210
D	140	150	165	185	200	220	250
Nº	4	4	4	4	8	8	8
d2	18	18	18	18	18	18	18

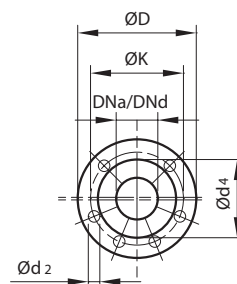
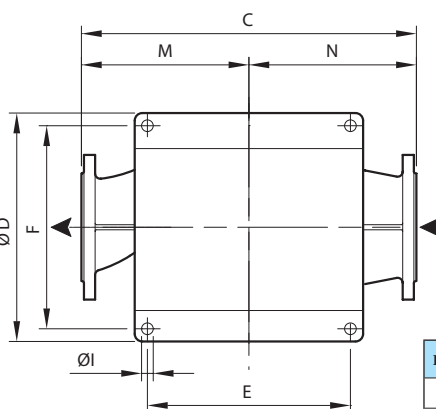
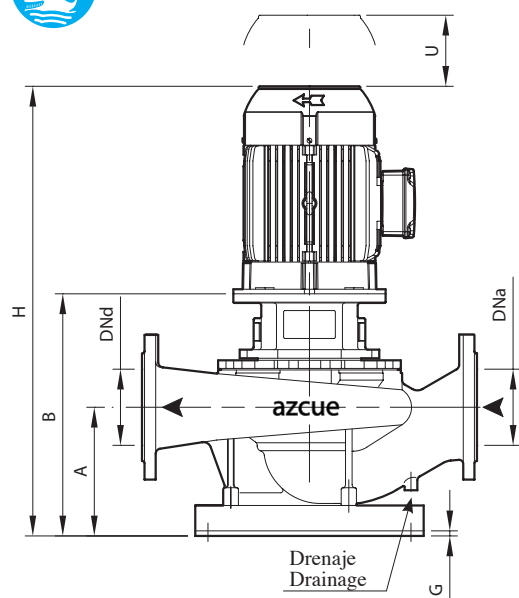
1450/1750 rpm

Tipo Type	Motor KW	DNa	DNd	A	D	F	E	I	M	N	C	G	U	B	H	Kg
32/160	0,37	50	50	147	250	215	215	14	170	170	340	6	100	300	510	40
	0,55														535	43
	0,75															45
32/200	0,75	50	50	135	250	215	215	14	190	190	380	6	100	296	531	60
	1,1														566	65
	1,5															65
32/250	2,2	50	50	142	350	315	250	18	225	225	450	8	100	306	616	70
	1,1														303	573
	1,5															70
40/125	2,2-3	65	65	147	250	215	215	14	170	170	340	6	100	308	313	623
	0,37														538	35
	0,55														578	40
40/160	0,75	65	65	147	250	215	215	14	170	170	340	6	100	318	628	45
	1,1															45
	1,5														543	65
40/200	2,2	65	65	155	350	315	250	18	220	220	440	8	100	308	578	70
	2,2-3														318	628
	0,75														544	65
40/250	1,1	65	65	151	350	315	250	18	225	225	450	8	100	309	579	70
	1,5														319	629
	2,2-3															75
40/315	4	65	65	167	350	315	250	18	250	250	500	8	100	313	583	70
	3														323	633
	4															80
50/125	5,5	80	80	166	350	315	250	18	170	190	360	8	100	377	687	110
	7,5														397	785
	11														430	960
50/160	0,55	80	80	172	350	315	250	18	200	200	400	8	100	329	564	65
	0,75														599	70
	1,1															70
50/200	1,5	80	80	181	350	315	250	18	250	250	500	8	100	333	568	55
	2,2														603	60
	1,1														343	653
50/250	1,5	80	80	181	350	315	250	18	250	250	500	8	100	336	606	60
	2,2-3															60
	4														346	656

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Dna/Dnd	32	40	50	65	80	100	125
d4	78	88	102	122	138	158	188
K	100	110	125	145	160	180	210
D	140	150	165	185	200	220	250
Nº	4	4	4	4	8	8	8
d2	18	18	18	18	18	18	18

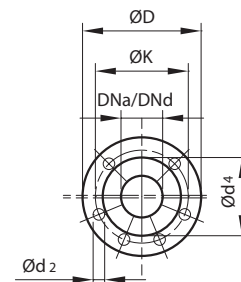
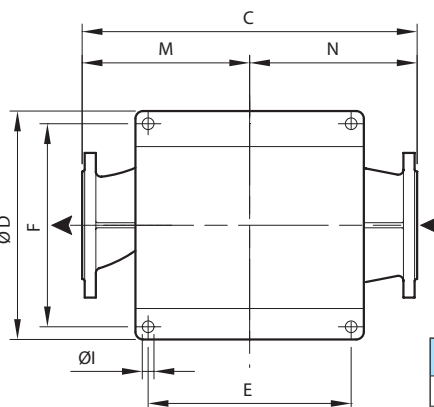
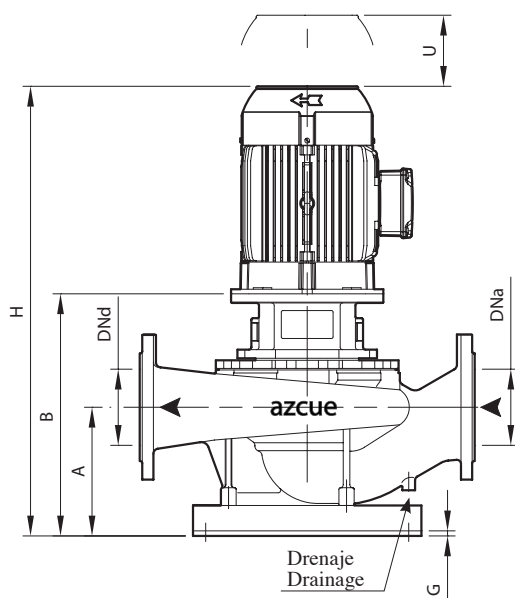
1450/1750 rpm

Tipo Type	Motor KW	DNa	DNd	A	D	F	E	I	M	N	C	G	U	B	H	Kg
50/250	2,2-3	80	80	168	350	315	250	18	250	250	500	8	100	339	649	75
	4															80
	5,5															95
50/315	4	80	80	182	350	315	250	18	300	300	600	8	100	393	703	110
	5,5															125
	7,5															130
	11															170
65/125	0,55	100	100	179	350	315	250	18	200	200	400	8	100	340	575	55
	0,75															55
	1,1															60
	1,5															60
	2,2															70
65/160	1,1	100	100	185	350	315	250	18	220	220	440	8	100	343	613	60
	1,5															60
	2,2-3															70
65/200	2,2-3	100	100	191	350	315	250	18	250	250	500	8	140	371	681	80
	4															85
	5,5															100
65/250	3	100	100	192	350	315	250	18	280	280	560	8	140	385	695	105
	4															110
	5,5															125
	7,5															130
65/315	5,5	100	100	216	450	400	400	23	320	320	640	8	140	439	824	150
	7,5															155
	11-15															185
80/160	1,5	125	125	235	450	400	400	23	245	245	490	8	140	402	672	65
	2,2-3															75
	4															85
	5,5															95
80/200	3	125	125	240	450	400	400	23	275	275	550	8	140	437	747	110
	4															120
	5,5															130
	7,5															145
	11															165
80/250	4	125	125	242	450	400	400	23	300	300	600	8	140	445	755	140
	5,5															150
	7,5															165
	11															180
	15															190

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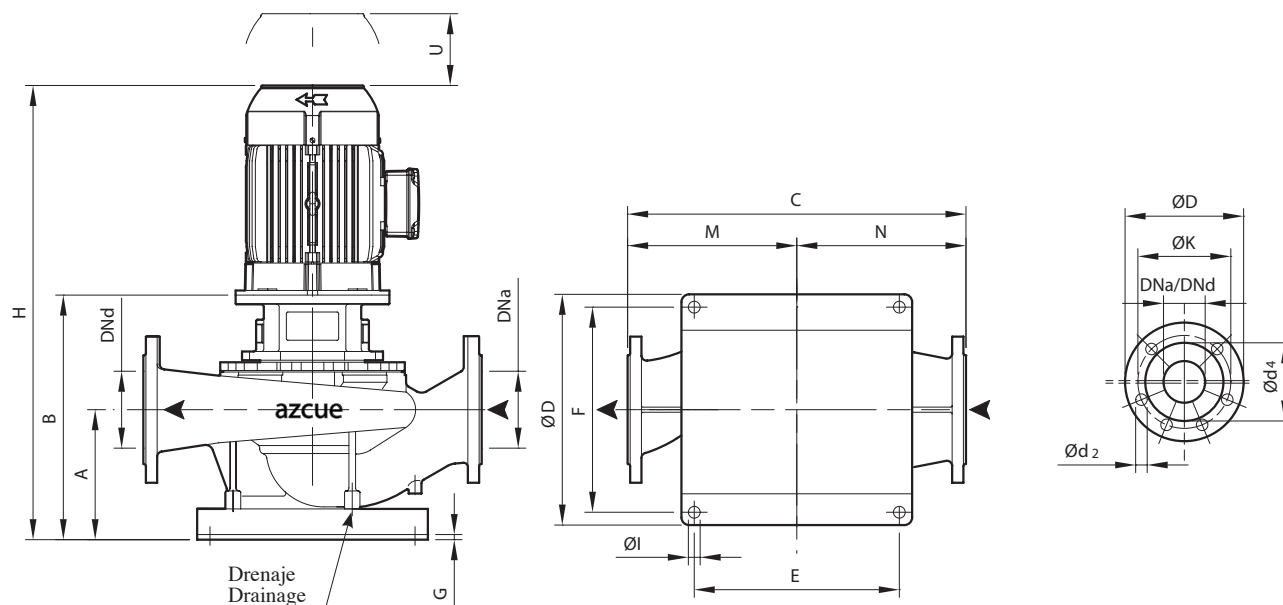
Dna/DNd	50	65	80	100	125	150	200
d4	102	122	138	158	188	212	268
K	125	145	160	180	210	240	295
D	165	185	200	220	250	295	340
Nº	4	4	8	8	8	8	8
d2	18	18	18	18	18	22	22

1450/1750 rpm

Tipo Type	Motor KW	DNa	DNd	A	D	F	E	I	M	N	C	G	U	B	H	Kg
80/315	11	125	125	242	450	400	400	23	330	330	660	8	140	495	1025	190
	15														200	200
	18,5														1075	210
	22														1160	225
	30														1040	240
80/400	15	125	125	213	550	500	500	23	370	370	740	12	140	510	1090	260
	18,5														1175	270
	22														540	285
	30														1240	300
	37														1240	315
100/160	3	150	150	246	450	400	400	23	330	330	660	10	140	450	760	160
	4														855	170
	5,5														500	180
	7,5														1030	190
	11														460	260
100/200	4	150	150	250	450	400	400	23	330	330	660	10	140	480	770	140
	5,5														865	180
	7,5														510	190
	11														1040	250
	15														480	265
100/250	7,5	150	150	254	450	400	400	23	330	330	660	10	140	510	865	200
	11														1040	260
	15														1090	275
	18,5														1040	315
	22														1090	335
100/315	15	150	150	212	550	500	500	23	360	360	720	12	140	510	1040	295
	18,5														1090	340
	22														1175	365
	30														1240	410
	37														500	530
100/400	45	150	150	250	550	500	500	23	390	390	780	12	140	540	1240	560
	18,5														1090	390
	22														1175	415
	30														1240	465
	37														500	580
125/200	45	200	200	285	450	400	400	23	350	350	700	10	140	500	885	610
	7,5														1060	200
	11														1110	260
	15														1060	275
	18,5														1110	315
	22														1110	335



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Dna/DNd	65	80	100	125	150	200	250
d4	122	138	158	188	212	268	320
K	145	160	180	210	240	295	350
D	185	200	220	250	295	340	395
Nº	4	8	8	8	8	8	12
d2	18	18	18	18	22	22	22

1450/1750 rpm

Tipo Type	Motor	DNa	DNd	A	D	F	E	I	M	N	C	G	U	B	H	Kg	
	KW																
125/250	11	200	200	285	450	400	400	23	390	390	780	10	140	530	1060	280	
	15															295	
	18,5															1110	335
	22																355
	30																460
	37													560	1260	520	
125/315	18,5	200	200	280	550	500	500	23	390	390	780	12	140	540	1120	380	
	22														405		
	30														1205	455	
	37													570	1270	570	
	45															600	
125/400	30	200	200	280	550	500	500	23	430	430	860	12	140	540	1205	485	
	37													570	1270	600	
	45															630	
150/200	11	250	250	375	550	500	500	23	440	440	880	12	180	620	1150	350	
	15															365	
	18,5															1180	395
	22														425		
	30														1285		470
150/250	15	250	250	360	550	500	500	23	440	440	880	12	180	620	1150	365	
	18,5														1180	405	
	22															425	
	30													1285		530	
	37													650	1350	645	
	45															675	
150/315	22	250	250	360	550	500	500	23	440	440	880	12	180	620	1180	455	
	30														1285	560	
	37													650	1350	665	
	45															685	
150/400	37	250	250	360	550	500	500	23	440	440	880	12	180	655	1355	705	
	45															725	

Sujeto a cambios / Subject to alterations / Sujet a des modifications



Serie LN Series

Denominación		Cuerpo Casing Corps	Tapa del cuerpo Casing cover Couverture de corps	Eje Shaft Arbre	Rodete Impeller Roue	Linterna soporte motor Motor stool Lanterne-support de moteur	Cierre mecánico Mechanical seal Garniture mécanique	Anillo desgaste voluta Volute wear ring Bague d'usure couvercle	Anillo desgaste tapa Cover wear ring Bague d'usure couvercle	Junta plana Gasket Joint plat	Tuerca rodete Impeller nut Ecrou roue
Referencia		1112	1221.1	2100	2200	3160	4200	1500.1	1500.2	4590.1	2912
TIPO BOMBA / PUMP TYPE / POMPE TYPE	32/125	1	1	1	1	1	1	1	2	1	1
	32/160	2	1	1	2	1	1	1	2	1	1
	32/200	3	2	1	3	1	1	1	2	2	1
	32/ 250	4	3	1	4	1	1	1	3	3	1
	40/125	5	1	1	5	1	1	4	-	1	1
	40/160	6	1	1	6	1	1	4	2	1	1
	40/200	7	2	1	7	1	1	4	2	2	1
	40/250	8	3	1	8	1	1	4	3	3	1
	40/315	9	4	2	9	2	2	5	6	4	2
	50/125	10	1	1	10	1	1	2	2	1	1
	50/160	11	1	1	11	1	1	2	2	1	1
	50/200	12	2	1	12	1	1	2	2	2	1
	50/250	13	3	1	13	1	1	2	3	3	1
	50/315	14	5	2	14	2	2	7	8	4	2
	65/125	15	1	1	15	1	1	7	2	1	1
	65/160	16	6	1	16	1	1	7	9	1	1
	65/200	17	7	1	17	1	1	7	9	2	1
	65/250	18	8	2	18	2	2	9	8	3	2
	65/315	19	5	2	19	2	2	9	8	4	2
	80/160	20	6	1	20	1	1	6	9	1	1
	80/200	21	9	2	21	2	2	6	8	2	2
	80/250	22	8	2	22	2	2	6	8	3	2
	80/315	23	5	2	23	2	2	6	8	4	2
	80/400	24	12	3	24	3	3	8	10	5	3
	100/160	25	9	2	25	2	2	11	8	2	2
	100/200	26	9	2	26	2	2	11	8	3	2
	100/250	27	8	2	27	2	2	11	8	3	2
	100/315	28	5	2	28	2	2	11	8	4	2
	100/400	29	12	3	29	3	3	11	10	5	3
	125/200	30	9	2	30	2	2	10	12	2	2
	125/250	31	10	2	31	2	2	10	12	3	2
	125/315	32	11	3	32	3	3	10	10	4	3
	125/400	33	12	3	33	3	3	10	10	5	3
	150/200	34	9	2	34	2	2	13	12	2	2
	150/250	35	10	2	35	2	2	14	10	3	2
	150/315	36	11	3	36	3	3	14	10	4	3
	155/400	37	12	3	37	3	3	14	10	5	3

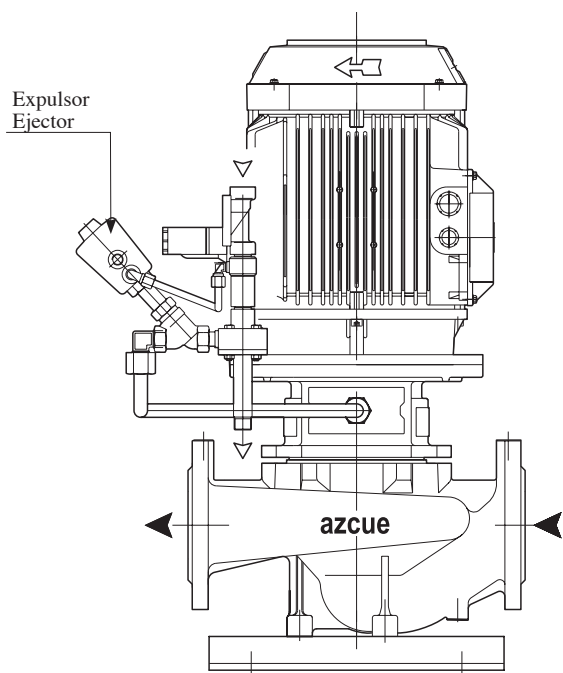
La serie LN posee distintos ejes y linternas motor para cada tipo de bomba, en función del motor.

LN series has different shafts & motor lantern for the same pump type, depending on the motors.

La serie LN ensemble different arbres et lanternes de moteur pour chaque type de pompe, par rapport aux moteurs.



Ejecución VP



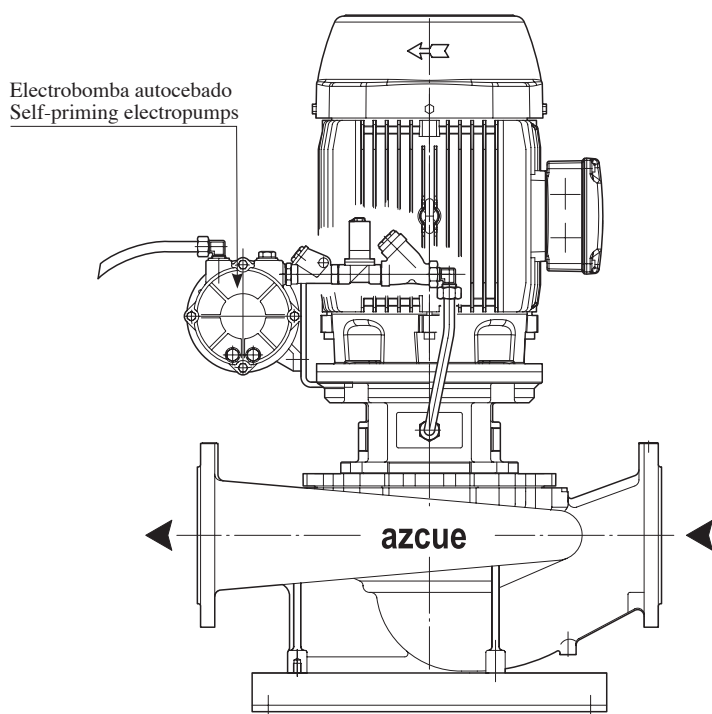
Tipos de Bombas

Pump types

Pompe types

LN-VP 32/160	LN-VP 80/160
LN-VP 32/200	LN-VP 80/200
LN-VP 32/250	LN-VP 80/250
LN-VP 40/125	LN-VP 80/315
LN-VP 40/160	LN-VP 80/400
LN-VP 40/200	LN-VP 100/160
LN-VP 40/250	LN-VP 100/200
LN-VP 40/315	LN-VP 100/250
LN-VP 50/125	LN-VP 100/315
LN-VP 50/160	LN-VP 100/400
LN-VP 50/200	LN-VP 125/200
LN-VP 50/250	LN-VP 125/250
LN-VP 50/315	LN-VP 125/315
LN-VP 65/125	LN-VP 125/400
LN-VP 65/160	LN-VP 150/200
LN-VP 65/200	LN-VP 150/250
LN-VP 65/250	LN-VP 150/315
LN-VP 65/315	LN-VP 150/400

Ejecución EP



Tipos de Bombas

Pump types

Pompe types

LN-EP 80/160
LN-EP 80/200
LN-EP 80/250
LN-EP 80/315
LN-EP 80/400
LN-EP 100/160
LN-EP 100/200
LN-EP 100/250
LN-EP 100/315
LN-EP 100/400
LN-EP 125/200
LN-EP 125/250
LN-EP 125/315
LN-EP 125/400
LN-EP 150/200
LN-EP 150/250
LN-EP 150/315
LN-EP 150/400

Tamaños LN-EP 50/... y LN-EP 60/... especial bajo demanda.

LN-EP 50/... and LN-EP 60/... sizes, special on demand.

Dimensions LN – EP 50/... et LN-EP 60/... spécial, sur demande.



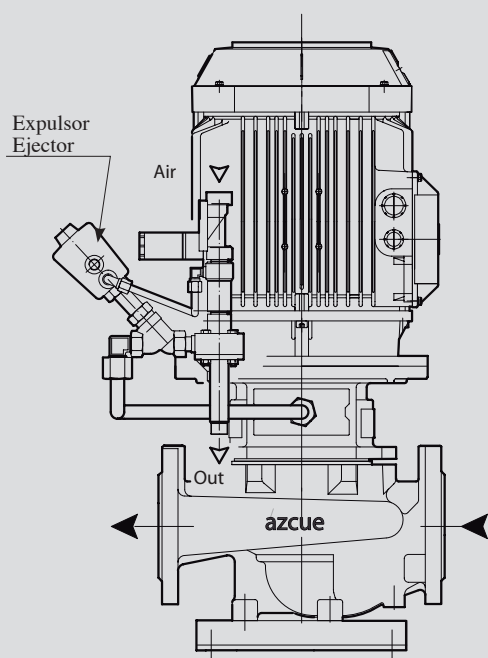
Serie LN Series

Denominación / Description / Denomination	Ref.
Cuerpo de bomba / <i>Pump casing</i> / Corps de pompe	1110.2
Voluta / <i>Volute casing</i> / Volute	1112
Tapa del cuerpo / <i>Casing cover</i> / Couvercle	1221.1
Tapa del cuerpo / <i>Casing cover</i> / Couvercle	1221.4
Pared intermedia / <i>Interstage plate</i> / Claison intermédiaire	1471
Anillo de desgaste / <i>Casing wear ring</i> / Bague d'usure	1500.1
Anillo de desgaste / <i>Casing wear ring</i> / Bague d'usure	1500.2
Eje / <i>Shaft</i> / Arbre	2100
Rodete / <i>Impeller</i> / Roue	2200
Rodete / <i>Impeller</i> / Roue	2200.3
Anillo distanciador / <i>Space ring</i> / Bague-entretoise	2510
Tuerca de bloqueo del rodete / <i>Impeller nut</i> / Ecrou de blocage roue	2912
Tuerca de bloqueo del rodete / <i>Impeller nut</i> / Ecrou de blocage roue	2912.2
Linterna soporte del motor / <i>Motor stool</i> / Lanterne-support de moteur	3160
Pie / <i>Foot</i> / Pietement	3190
Retén mecánico / <i>Mechanical seal</i> / Garniture mecanique	4200
Retén mecánico / <i>Mechanical seal</i> / Garniture mecanique	4200.3
Junta plana / <i>Gasket</i> / Join plat	4590.1
Junta plana / <i>Gasket</i> / Join plat	4590.10
Junta circular / <i>Joint ring circular</i> / Joint circulaire	4595
Tapón de vaciado / <i>Drain plug</i> / Bouchon de vidange	6515
Espárrago / <i>Stud</i> / Goujon .lete	6572.5
Tornillo de hexágono interior / <i>Socket head cap screw</i> / Boulon a six pans creux	6579.1-2
Motor	8100

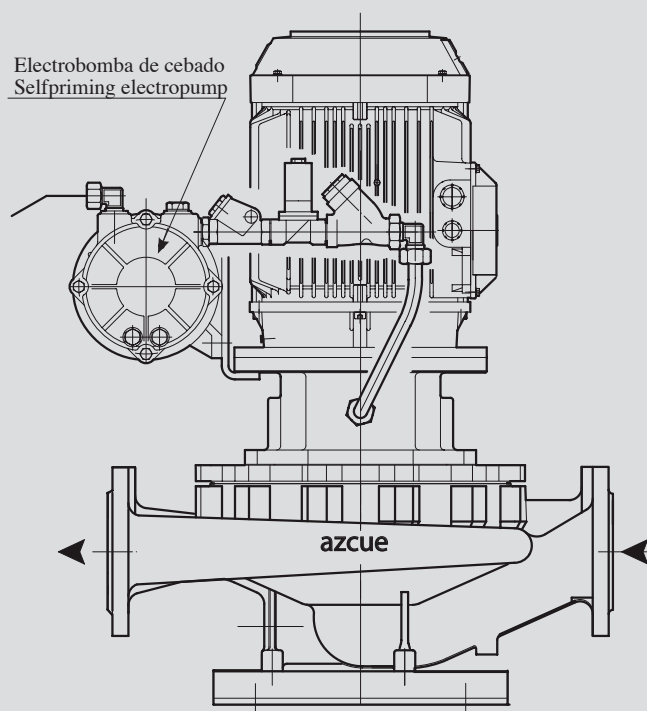


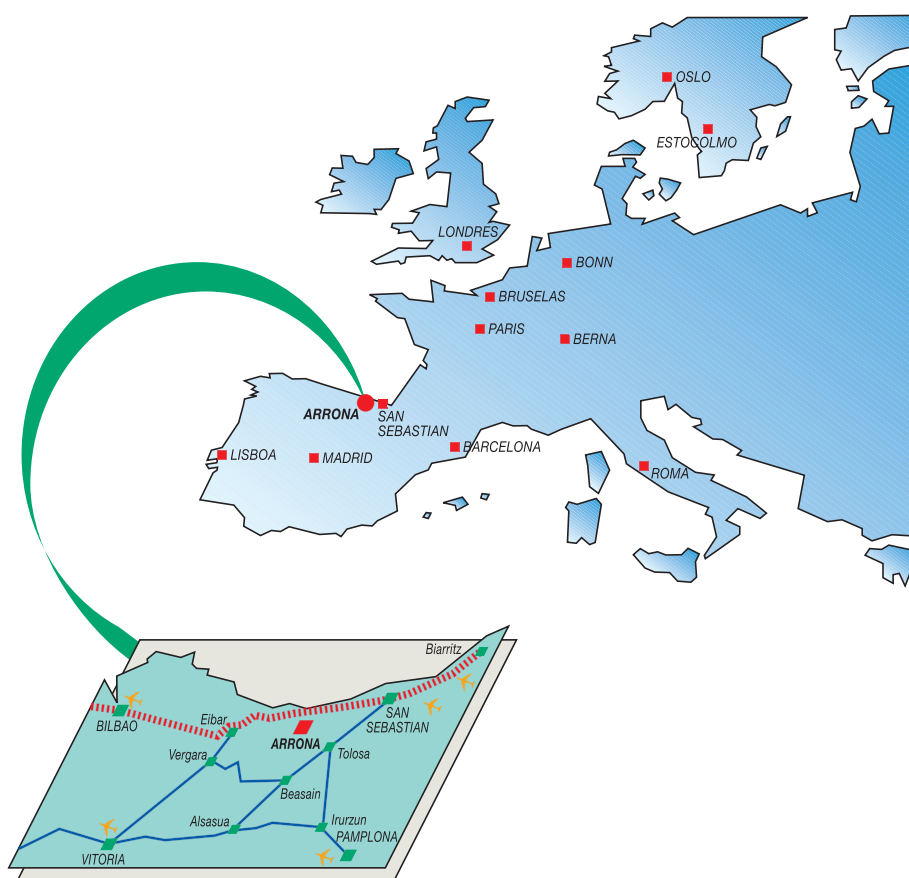
Serie LN Series

LN-VP



LN-EP





pumps

bombas

azcue

pumpen

pompes

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