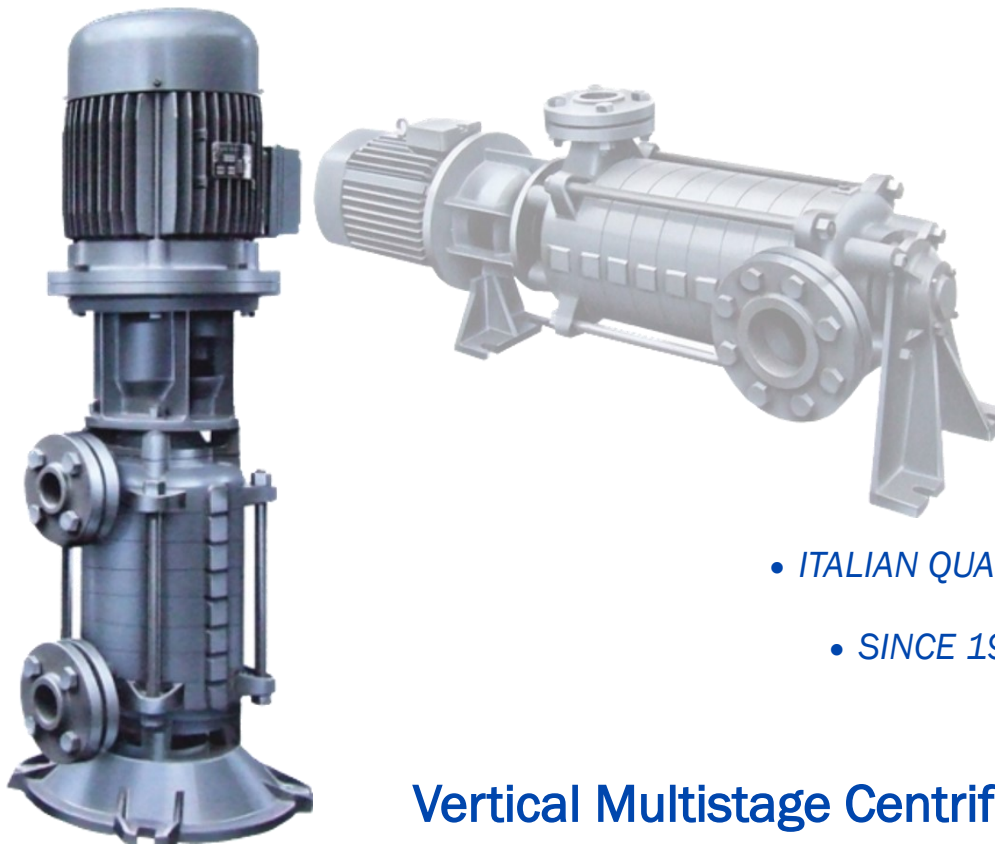


BROCHURE L SERIES

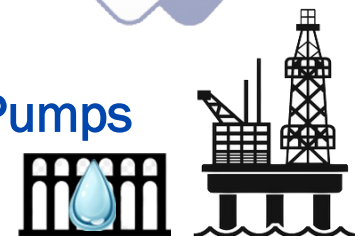
BIRAGHI POMPE 1906



- *ITALIAN QUALITY*
- *SINCE 1906*

Vertical Multistage Centrifugal Process Pumps

2024



L SERIES—BIRAGHI POMPE 1906

L PROCESS PUMP

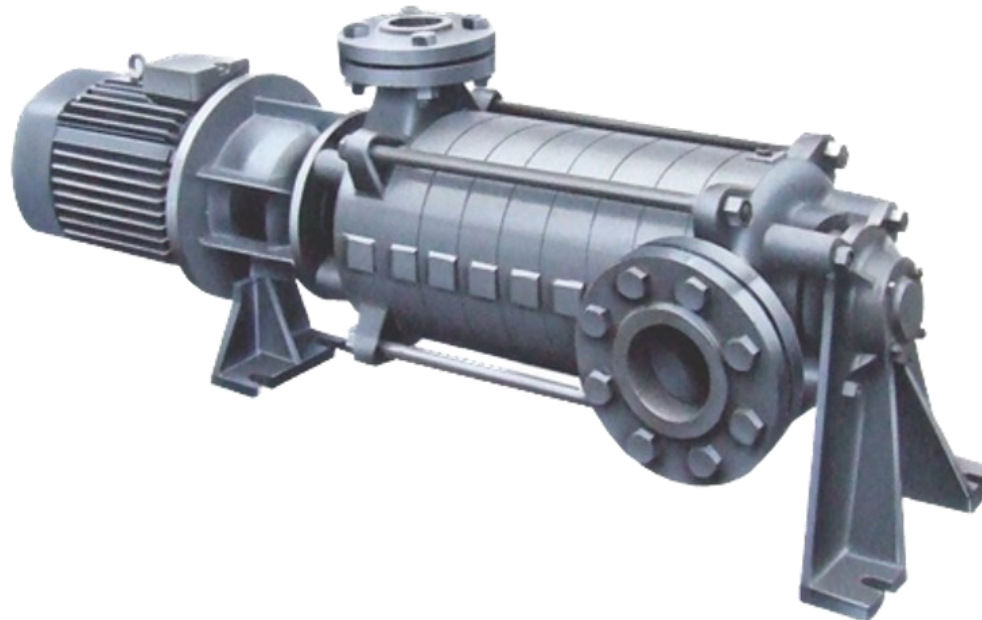
Pumps of the L series are centrifugal multistage made of decomposable elements and of standard construction. Separation of the multiple stages on series takes place on a plane perpendicular to the axis and union is realized through stay bolts external to the casing. Impellers and diffusers are interchangeable, the shaft seals on both side by strong screened and grease pre-lubricated ball bearings. Shaft seals are mechanical. The axial thrust is balanced through a finning of the impeller backside. The nozzle have round flanges which are sized according to UNI-PN25 and which can be indifferently oriented in their mutual position, from 90° to 90° in all various positions, except downwards in horizontal pumps. Starting is carried out through a flexible coupling by a flanged electric motor (form B5 or V1 UNEL-MEC) in close coupled assembly.

MATERIALS:

- ⇒ Casing, diffusers and impellers in cast iron G 25
- ⇒ Shaft in stainless steel AISI 431
- ⇒ Mechanical seal made of high quality materials and with elastomers in ethylene propylene, for service temperature up to 120 C°.

APPLICATION:

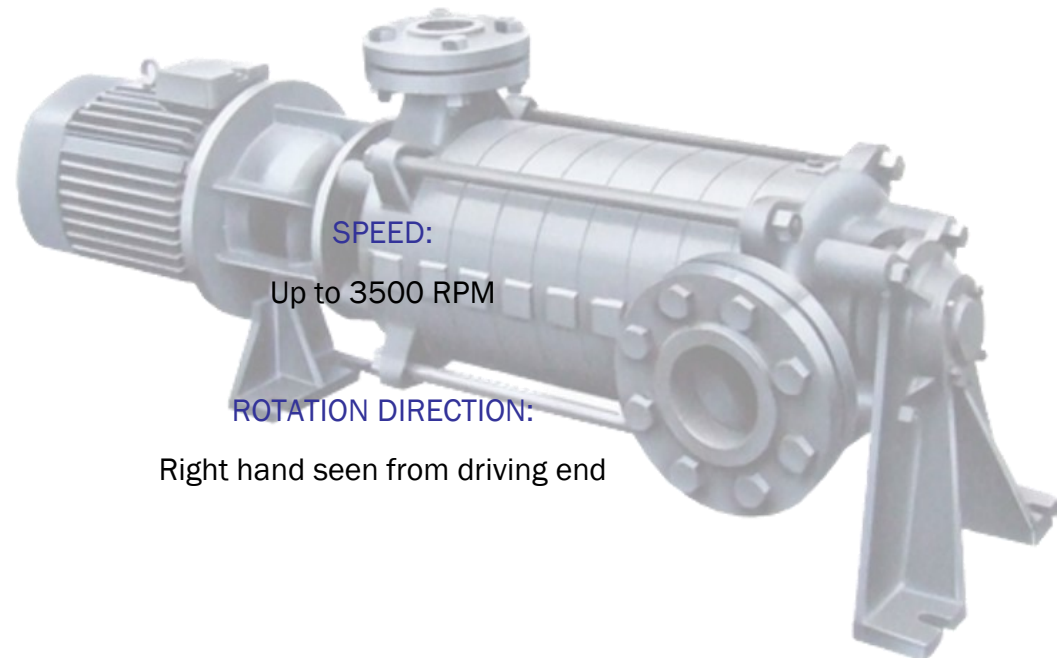
- ⇒ Transfer liquids
- ⇒ Fire Fighting plants
- ⇒ Car washing plants
- ⇒ Steam boiler feeding
- ⇒ Automatic plants with surge tank
- ⇒ Condensate extraction



L SERIES—BIRAGHI POMPE 1906

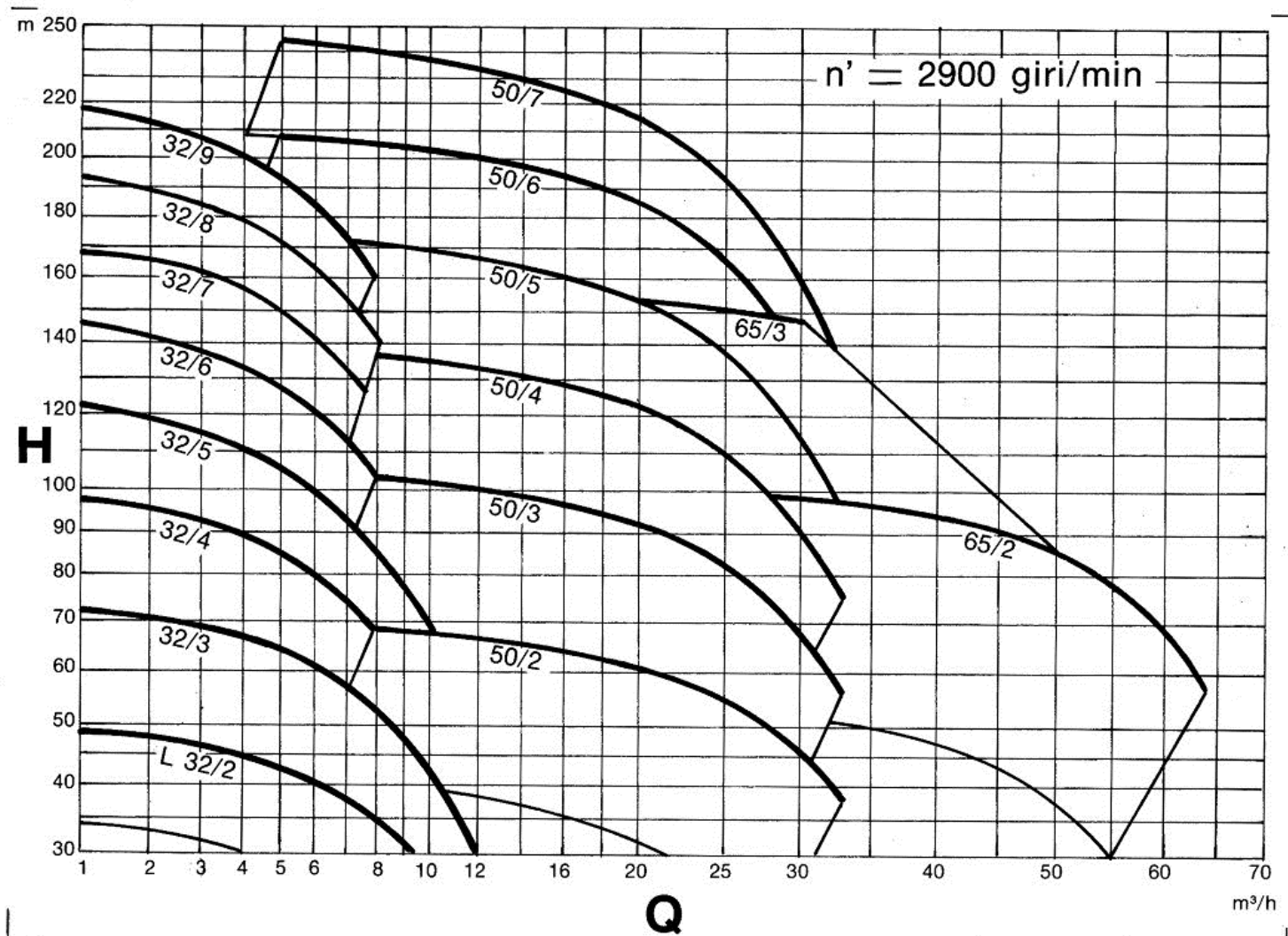
SPECIAL EXECUTION:

- ⇒ BR all parts contacting the liquid in bronze alloy – shaft in stainless steel AFNOR 26 CNUD 15-04 – mechanical seals made of materials suitable to conveyed liquid.
- ⇒ BRA All parts contacting the liquid in acid resistant bronze – shaft in stainless steel AFNOR 26 CNUD 15-04 – mechanical seals made of materials suitable to conveyed liquid.
- ⇒ X All parts contacting the liquid in stainless steel AISI 316 – shaft in stainless steel AFNOR 26 CNUD 15-04 – mechanical seals made of materials suitable to the conveyed liquid.
- ⇒ GN All parts contacting the liquid in Nickel cast iron – shaft in stainless steel AISI 431 – mechanical seals are made of materials suitable to conveyed liquid.
- ⇒ GS suction casing, discharge casing, intermediate casing and mechanical seal housings in spheroidal cast iron – impellers in cast iron G 25 – Shaft in stainless steel AISI 431 – mechanical seals in materials and with elastomers suitable to service temperature values up to 150 C°.

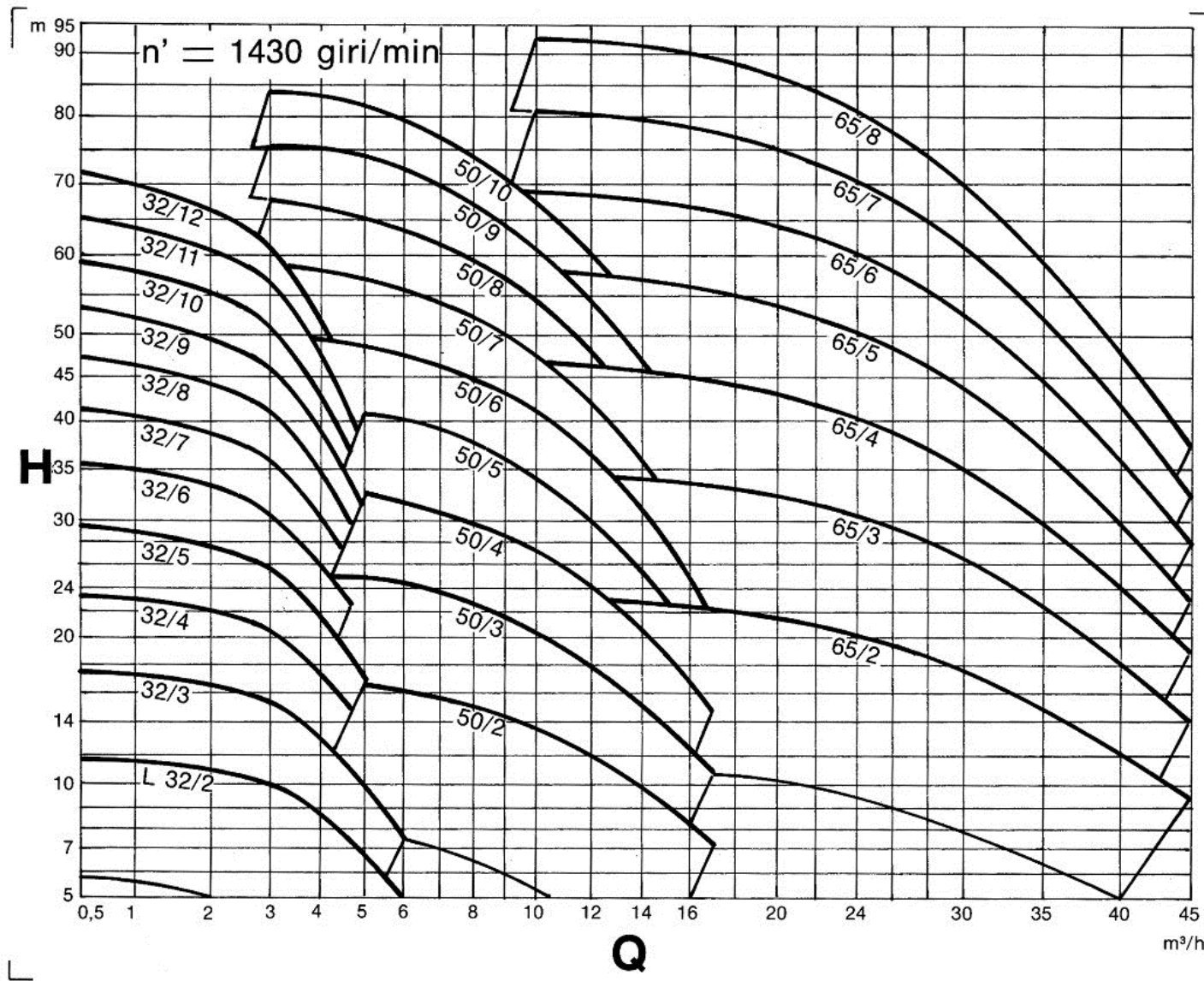


Capacity	to 64 m ³ /hr
Head	to 245 m
Max working	to 25 bar
Temperature	to 150 C°

L SERIES—BIRAGHI POMPE 1906



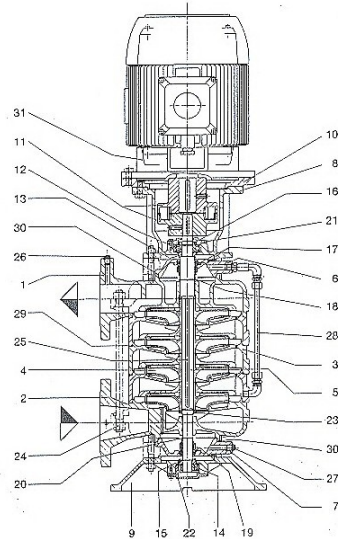
L SERIES—BIRAGHI POMPE 1906



L SERIES—BIRAGHI POMPE 1906

OVERALL SIZES

Sezione
Esecuzione "V"



NOMENCLATURA

- 1 - Corpo premente
- 2 - Corpo aspirante
- 3 - Corpo intermedio
- 4 - Girante
- 5 - Albero
- 6 - Custodia per tenuta meccanica
- 7 - Custodia per tenuta meccanica
- 8 - Lanterna
- 9 - Piante di appoggio
- 10 - Disco di riduzione flangia motore
- 11 - Giunto elastico
- 12 - Cuscinetto a sfera
- 13 - Anello di battuta per detto
- 14 - Cuscinetto a sfera
- 15 - Anello di battuta per detto
- 16 - Ghiera per cuscinetto
- 17 - Tenuta meccanica
- 18 - Anello d'arresto per detta
- 19 - Tenuta meccanica
- 20 - Anello d'arresto per detta
- 21 - Coperchietto lato accoppiamento
- 22 - Coperchietto lato opposto
- 23 - Ghiera fissa giranti
- 24 - Tirante con dadi
- 25 - Chavetta
- 26 - Tappo di riempimento e controllo
- 27 - Tappo di scarico
- 28 - Tubetto di alimentazione tenuta meccanica
- 29 - Guarnizione corpi intermedi
- 30 - Guarnizione per custodia tenuta meccanica
- 31 - Motore elettrico

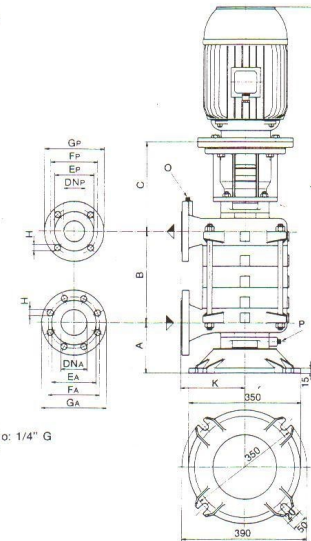
- NOMENCLATURE

- discharge casing
- suction casing
- intermediate casing
- impeller
- shaft
- mechanical seal housing
- mechanical seal housing
- spider
- foot
- motor flange reduction disk
- flexible coupling
- ball bearing
- ledge ring for ditto
- ball bearing
- ledge ring for ditto
- bearing nut
- mechanical seal
- stop ring for ditto
- mechanical seal
- stop ring for ditto
- driving end small cover
- non-driving end small cover
- impeller fastening nut
- stay bolt with nut
- key
- filling and check plug
- drain plug
- mechanical seal feeding small pipe
- intermediate casing gasket
- gasket for mechanical seal housing
- electric motor

Section
"V" execution



Dimensioni d'ingombro
Esecuzione "V"



Overall sizes
"V" execution

Nei tipi 32/2, 32/3, 50/2 e 65/2 le bocche non possono essere disposte sullo stesso lato.
For models 32/2, 32/3, 50/2 and 65/2 nozzles cannot be on the same side.

O = foro di riempimento e controllo: 1/4" G
filling and check hole: 1/4" G

P = foro di scarico: 1/4" G
outlet hole: 1/4" G

Flange: UNI 2238/2229 - PN 25
Flanges: UNI 2238/2229 - PN 25

modello model	Dimensioni in mm (non impegnative) - Sizes in mm (not engaging)																
				Flangia aspirante Suction flange							Flangia premente Discharge flange						
	A	B	C	DN _A	E _A	F _A	G _A	H	fori holes	DN _P	E _P	F _P	G _P	H	fori holes	K	L max.
L 32/2 V	145	91	237	40	88	110	150	18	4	32	78	100	140	18	4	150	750
L 32/3 V	126	111	257	50	100	125	160	20	4	40	90	110	150	20	4	160	830
L 32/4 V	161	126	257	65	125	150	190	25	4	50	110	130	170	25	4	170	940
L 32/5 V	196	161	257	80	150	175	220	30	4	65	130	150	190	30	4	190	975
L 32/6 V	231	196	257	100	175	200	260	35	4	80	150	170	210	35	4	210	1000
L 32/7 V	266	231	257	125	200	225	300	40	4	100	170	190	230	40	4	230	1080
L 32/8 V	301	266	257	150	225	250	340	45	4	125	190	210	250	45	4	250	1120
L 32/9 V	336	287	257	175	250	275	370	50	4	150	210	230	270	50	4	270	1200
L 32/10 V	371	301	257	200	275	300	400	55	4	175	230	250	290	55	4	290	1040
L 32/11 V	406	336	257	225	300	325	430	60	4	200	250	270	310	60	4	310	1060
L 32/12 V	441	371	257	250	325	350	460	65	4	225	270	290	330	65	4	330	1130
L 50/2 V	142	131	267	65	122	145	185	18	8	50	102	125	165	18	8	180	900
L 50/3 V	178	178	267	80	145	170	210	20	8	65	125	150	190	20	8	190	1000
L 50/4 V	225	225	297	100	170	200	240	25	8	80	150	180	220	25	8	220	1100
L 50/5 V	272	272	297	125	200	230	280	30	8	100	170	200	240	30	8	240	1170
L 50/6 V	319	319	297	150	225	255	310	35	8	125	190	220	260	35	8	260	1260
L 50/7 V	366	366	297	175	250	280	340	40	8	150	210	240	280	40	8	280	1300
L 50/8 V	413	413	247	200	275	305	370	45	8	175	230	260	300	45	8	300	1100
L 50/9 V	460	460	297	225	300	330	400	50	8	200	250	280	320	50	8	320	1150
L 50/10 V	507	507	297	250	325	355	430	55	8	225	270	300	340	55	8	340	1200
L 65/2 V	155	153	275	80	138	160	200	18	8	65	122	145	185	18	8	200	1080
L 65/3 V	191	191	275	100	160	185	230	20	8	80	145	170	210	20	8	210	1200
L 65/4 V	228	228	305	125	190	220	270	25	8	100	170	200	240	25	8	240	1130
L 65/5 V	265	265	305	150	215	245	300	30	8	125	190	220	260	30	8	260	1200
L 65/6 V	302	302	305	175	240	270	330	35	8	150	210	240	280	35	8	280	1260
L 65/7 V	339	339	305	200	265	295	360	40	8	175	230	260	300	40	8	300	1380
L 65/8 V	376	376	305	225	290	320	390	45	8	200	250	280	320	45	8	320	1460

N. 239/1
10 - 1985

L series pumps can be foresee also Vertical for all installations that require it.

Biraghi Pompe 1906 Plants



NIGERIA



UAE



ITALY



Biraghi
POMPE1906

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