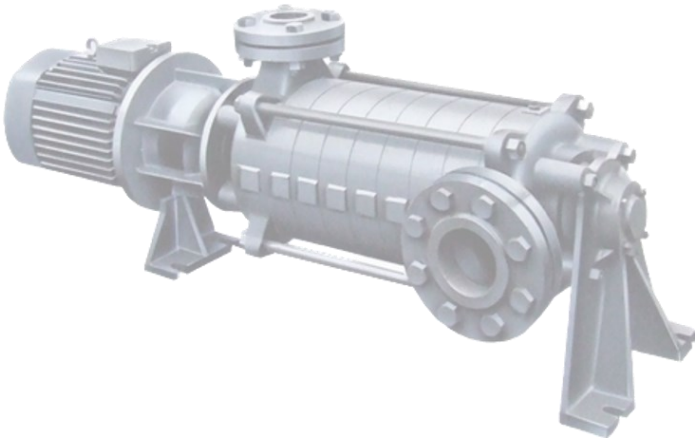
BROCHURE L-LV SERIES

BIRAGHI POMPE 1906



- *ITALIAN QUALITY*
- *SINCE 1906*

Vertical Multistage Centrifugal Process Pumps

2025

L-LV 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

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 mad 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°.

SPEED:

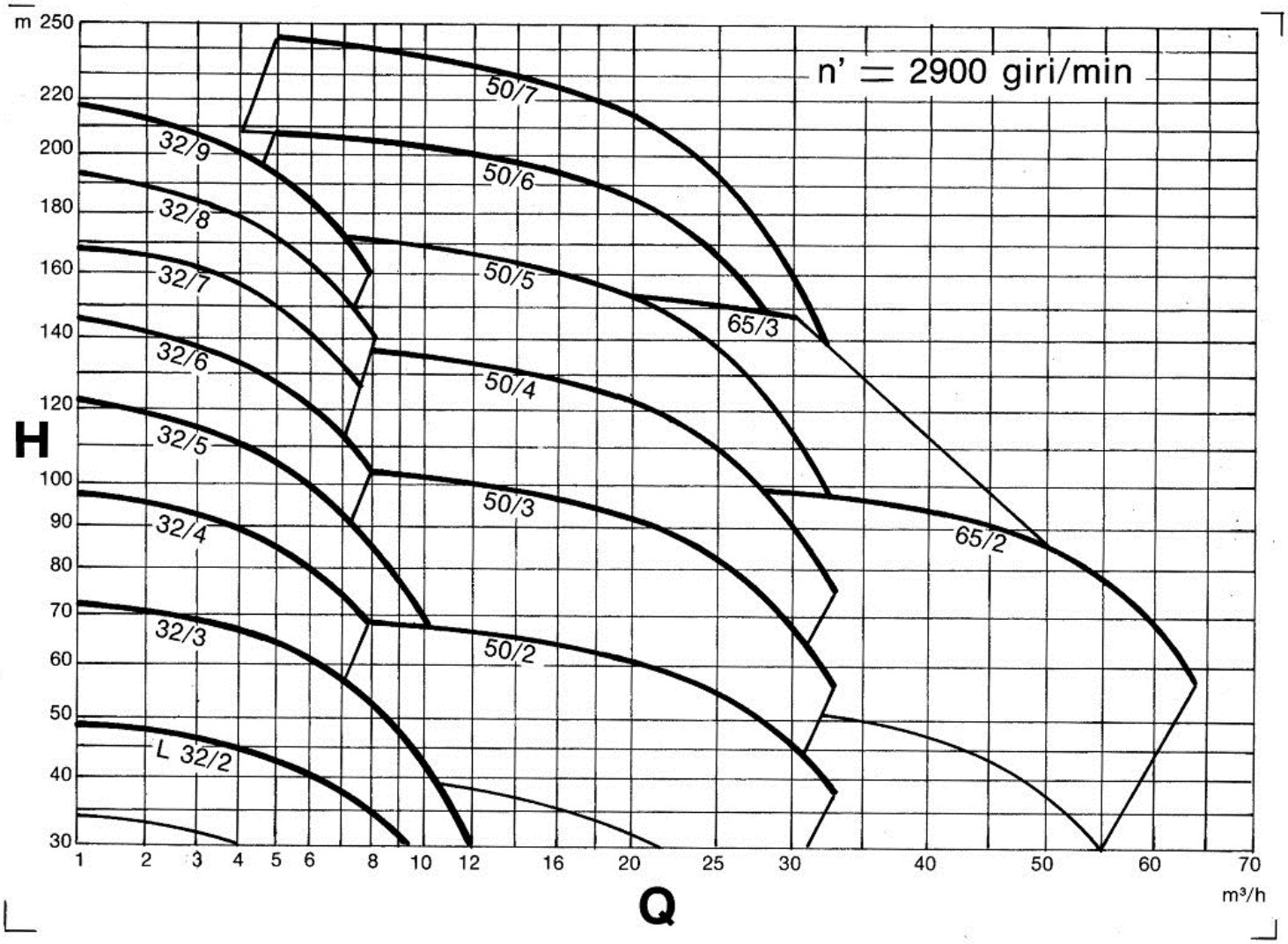
Up to 3500 RPM

ROTATION DIRECTION:

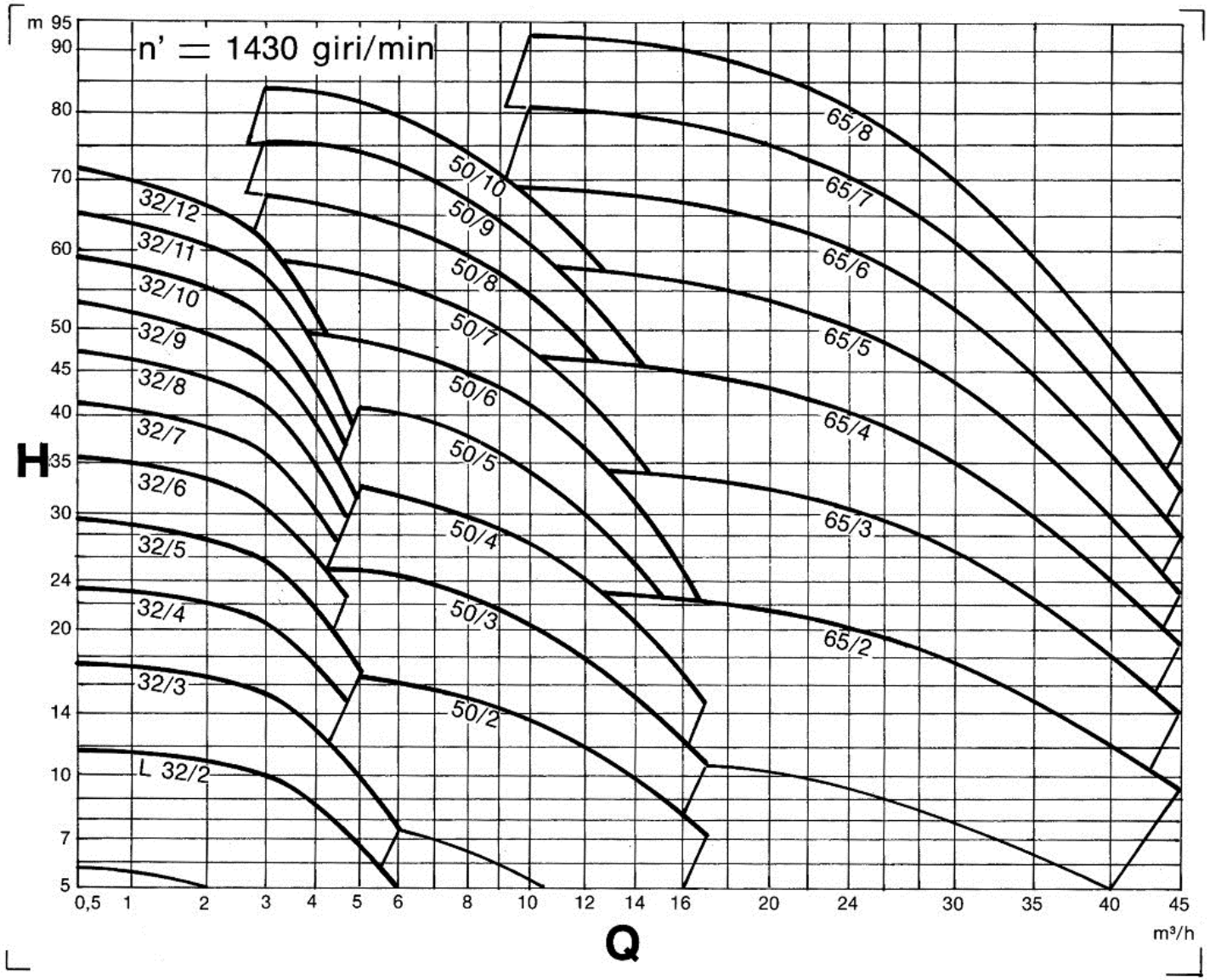
Right hand seen from driving end

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

L-LV SERIES—BIRAGHI POMPE 1906



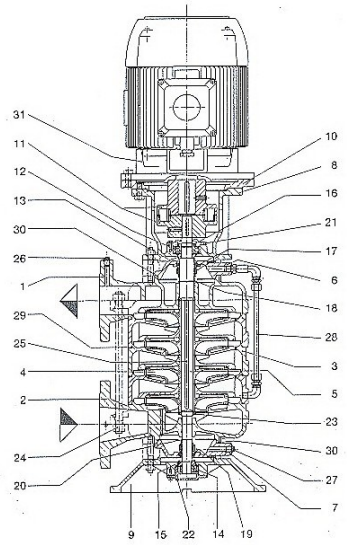
L-LV SERIES—BIRAGHI POMPE 1906



OVERALL SIZES

Sezione
Esecuzione "V"

Section
"V" execution

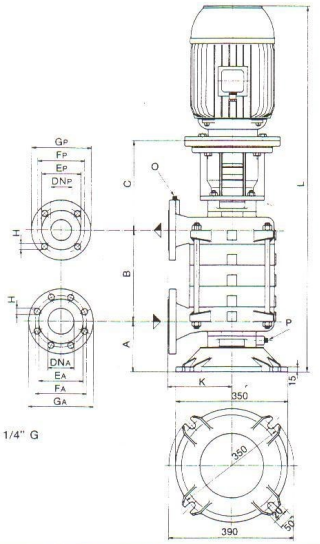


NOMENCLATURA — *NOMENCLATURE*

1 - Corpo premente	*- discharge casing*
2 - Corpo aspirante	*- suction casing*
3 - Corpo intermedio	*- intermediate casing*
4 - Girante	*- impeller*
5 - Albero	*- shaft*
6 - Custodia per tenuta meccanica	*- mechanical seal housing*
7 - Custodia per tenuta meccanica	*- mechanical seal housing*
8 - Lanterna	*- spider*
9 - Piede di appoggio	*- foot*
10 - Disco di riduzione flangia motore	*- motor flange reduction disk*
11 - Giunto elastico	*- flexible coupling*
12 - Cuscinetto a sfere	*- ball bearing*
13 - Anello di battuta per detto	*- ledge ring for ditto*
14 - Cuscinetto a sfere	*- ball bearing*
15 - Anello di battuta per detto	*- ledge ring for ditto*
16 - Ghiera per cuscinetto	*- bearing nut*
17 - Tenuta meccanica	*- mechanical seal*
18 - Anello d'arresto per detta	*- stop ring for ditto*
19 - Tenuta meccanica	*- mechanical seal*
20 - Anello d'arresto per detta	*- stop ring for ditto*
21 - Coperchietto lato accoppiamento	*- driving end small cover*
22 - Coperchietto lato opposto	*- non-driving end small cover*
23 - Ghiera fissa giranti	*- impeller fastening nut*
24 - Tirante con dadi	*- stay bolt with nut*
25 - Chiavetta	*- key*
26 - Tappo di riempimento e controllo	*- filling and check plug*
27 - Tappo di scarico	*- drain plug*
28 - Tubetto di alimentazione tenuta meccanica	*- mechanical seal feeding small pipe*
29 - Guarnizione corpi intermedi	*- intermediate casing gasket*
30 - Guarnizione per custodia tenuta meccanica	*- gasket for mechanical seal housing*
31 - Motore elettrico	*- electric motor*

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)*															
	A	B	C	Flangia aspirante *Suction flange*						Flangia premente *Discharge flange*						K	L max.
				DN_A	E_A	F_A	G_A	H	fori *holes*	DN_P	E_P	F_P	G_P	H	fori *holes*		
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	"	"	"	"	"	"	"	"	"	"	"	"	"	"	830
L 32/4 V	"	161	257	"	"	"	"	"	"	"	"	"	"	"	"	"	940
L 32/5 V	"	196	"	"	"	"	"	"	"	"	"	"	"	"	"	"	975
L 32/6 V	"	231	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1000
L 32/7 V	"	266	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1080
L 32/8 V	"	301	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1120
L 32/9 V	"	336	287	"	"	"	"	"	"	"	"	"	"	"	"	"	1200
L 32/10 V	"	371	237	"	"	"	"	"	"	"	"	"	"	"	"	"	1040
L 32/11 V	"	406	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1060
L 32/12 V	"	441	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1130
L 50/2 V	142	131	267	65	122	145	185	18	8	50	102	125	165	18	4	180	900
L 50/3 V	"	178	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1000
L 50/4 V	"	225	297	"	"	"	"	"	"	"	"	"	"	"	"	"	1100
L 50/5 V	"	272	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1170
L 50/6 V	"	319	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1260
L 50/7 V	"	366	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1300
L 50/8 V	"	413	247	"	"	"	"	"	"	"	"	"	"	"	"	"	1100
L 50/9 V	"	460	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1150
L 50/10 V	"	507	"	"	"	"	"	"	"	"	"	"	"	"	"	"	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	"	218	305	"	"	"	"	"	"	"	"	"	"	"	"	"	1200
L 65/4 V	"	283	275	"	"	"	"	"	"	"	"	"	"	"	"	"	1130
L 65/5 V	"	348	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1200
L 65/6 V	"	413	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1260
L 65/7 V	"	478	305	"	"	"	"	"	"	"	"	"	"	"	"	"	1380
L 65/8 V	"	543	"	"	"	"	"	"	"	"	"	"	"	"	"	"	1460

N. 239/1
10 - 1985

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

NIGERIA UAE ITALY

Biraghi
POMPE1906

Via della Giardina 11
Monza (MB)
20900:

Contacts:
+39 02-89680866
info@biraghipompe1906.it