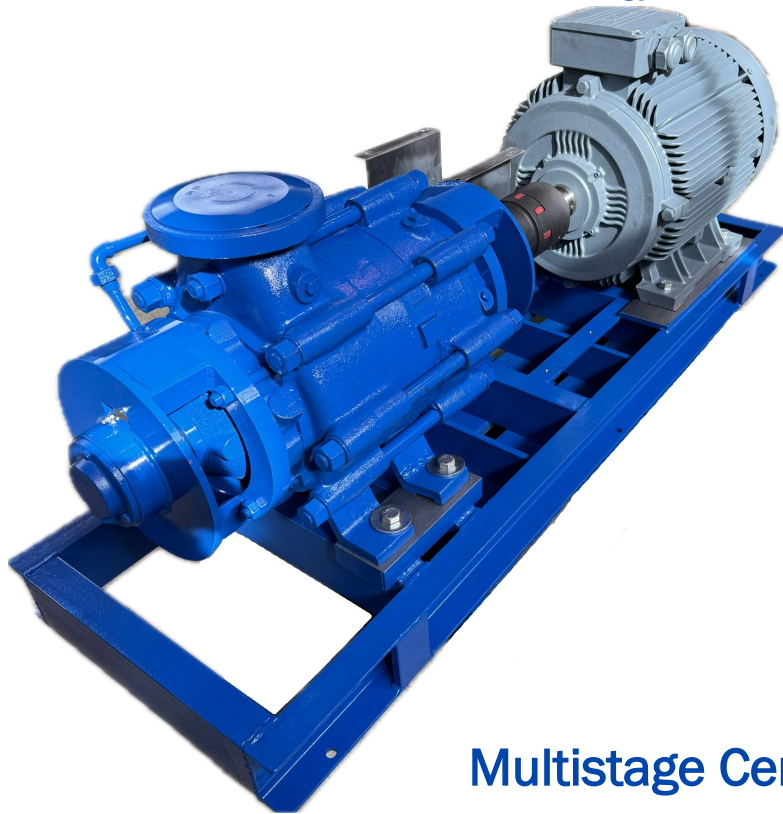


BROCHURE NP SERIES

BIRAGHI POMPE 1906



- *ITALIAN QUALITY*
- *SINCE 1906*

Multistage Centrifugal Process Pumps

ISO 5199



2025



NP SERIES—BIRAGHI POMPE 1906

NP PROCESS PUMP

The NP series consists of centrifugai multistage units, hydraulically balanced, standard construction and with removal components.

Removal of the series connected multiple stages takes piace along a plane perpendicular to the pump axis and connection is carried out by stay bolts outside pump casing.

Impeller and diffuser are interchangeable, the shaft is supported on both sides by heavy duty grease lubricated roller bearings.

The axial thrust is hydraulically balanced by an axial chocke sleeve behind the last impeller and by thrust disk and counterdisk. The balancing water flowing out of the disk is led to the suction through the suitable return flue outside the pump casing; but if water flows to the header tank or anyway outside, avoids inthis way overheating phenomena, when the pump has null or very small capacity.

Capacitiy	to 450 m ³ /hr
Head	to 50 m
Max working pressure	to 90 bar
Temperature	to 180 C°

ROTATION

Rotation is counterclockwise when viewed from the coupling end.

NP SERIES—BIRAGHI POMPE 1906

APPLICATIONS

To generally transfer clear or moderately impure water, without chemical agents, up to 105 C.:

- ⇒ Acqueduct plants
- ⇒ Hydraulic press controll
- ⇒ Car washing plants
- ⇒ Steam boiler feeding at high pressure values
- ⇒ Water lifting from mines
- ⇒ Fire fighting system
- ⇒ Rain irrigation
- ⇒ Condensate extraction
- ⇒ Liquid gas and any other hydrocarbons conveying
- ⇒ Hot oils conveying etc...



CONSTRUCTION SPECIFICATIONS

- ⇒ Packing gland
- ⇒ Without cooling chamber
- ⇒ Casing and diffusers with wear rings
 - ⇒ Grease bearing lubrication
 - ⇒ Suction side coupling

SPECIAL EXECUTIONS

- ⇒ Double end shaft
- ⇒ Delivery side coupling
- ⇒ With cooling chambers (RP)
- ⇒ Mechanical seal
- ⇒ 2/4/6 Poles

*In oil feeding plants at high pressure values, NP pumps can also be used as pumps on stand-by (booster) as their high suction capacity allows very low suction heads which is very important for thermoelectric power plants.

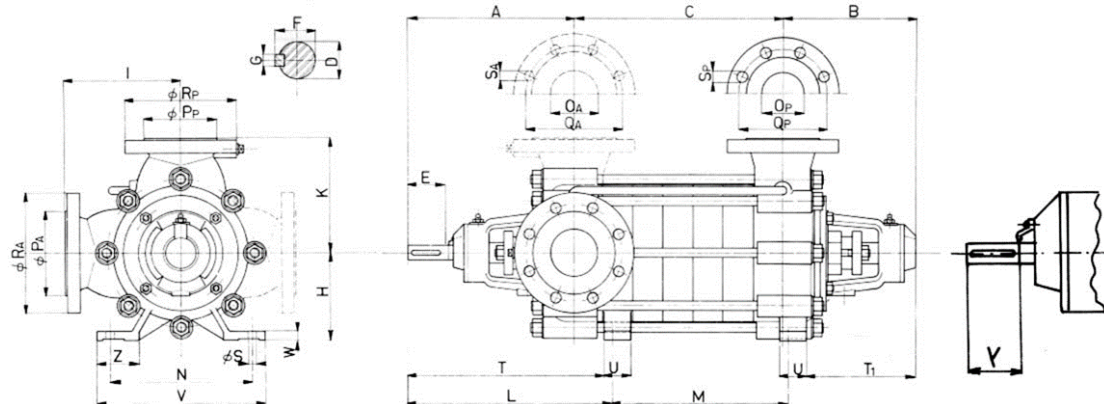
NP SERIES—BIRAGHI POMPE 1906

CONSTRUCTION MATERIALS

	STANDARD	B ₁	B ₂	X ₂	G ₂	A	g ₂
Corpo pompa Pump case	Ghisa G25 Cast iron G25	Bronzo BZN7 <u>Bronze BZN7</u>	Bronzo B10 <u>Bronze B10</u>	AISI 316 AISI 316	Ghisa GS400/12 Cast. i. GS400/12	Acc. Fuso <u>Cast steel</u>	Ghisa al Ni <u>Ni cast iron</u>
Coperchio Cover	Ghisa G25 Cast iron G25	Bronzo BZN7 <u>Bronze BZN7</u>	Bronzo B10 <u>Bronze B10</u>	AISI 316 AISI 316	Ghisa GS400/12 Cast. i. GS400/12	Acc. Fuso <u>Cast steel</u>	Ghisa al Ni <u>Ni cast iron</u>
Diffusore <u>Diffuser</u>	Ghisa G25 Cast iron G25	Bronzo BZN7 <u>Bronze BZN7</u>	Bronzo B10 <u>Bronze B10</u>	AISI 316 AISI 316	Ghisa G25 Cast iron G25	Ghisa G25 Cast iron G25	Ghisa al Ni <u>Ni cast iron</u>
Girante <u>Impeller</u>	Ghisa G25 Cast iron G25	Bronzo BZN7 <u>Bronze BZN7</u>	Bronzo B10 <u>Bronze B10</u>	AISI 316 AISI 316	Ghisa G25 Cast iron G25	Ghisa al Ni <u>Ni cast iron</u>	Ghisa al Ni <u>Ni cast iron</u>
Anelli usura <u>Wear rings</u>	Ghisa G25 Cast iron G25	Bronzo BZN7 <u>Bronze BZN7</u>	Bronzo B10 <u>Bronze B10</u>	AISI 316 AISI 316	Ghisa G25 Cast iron G25	Ghisa al Ni <u>Ni cast iron</u>	Ghisa al Ni <u>Ni cast iron</u>
Supporto Support	Ghisa G25 Cast iron G25	Ghisa G25 Cast iron G25	Ghisa G25 Cast iron G25	Ghisa G25 Cast iron G25	Ghisa G25 Cast iron G25	Ghisa G25 Cast iron G25	Ghisa G25 Cast iron G25
Albero <u>T.B.</u> (*) <u>Shaft T.B.</u>	Acc. 38NCD4 S. Steel 38NCD4	Acc. AISI 431 S. Steel AISI 431	Acc. AISI 431 S. Steel AISI 431	Acc. AISI 316 S. Steel AISI 316	Acc. 38NCD4 S. Steel 38NCD4	Acc. 38NCD4 S. Steel 38NCD4	Acc. AISI 316 S. Steel AISI 316
Albero <u>O.T.</u> (*) <u>Shaft O.T.</u>	Acc. AISI 431 S. Steel AISI 431	Acc. AISI 431 S. Steel AISI 431	Acc. AISI 431 S. Steel AISI 431	Acc. AISI 316 S. Steel AISI 316	Acc. AISI 431 S. Steel AISI 431	Acc. AISI 431 S. Steel AISI 431	Acc. AISI 316 S. Steel AISI 316

NP SERIES—BIRAGHI POMPE 1906

OVERALL SIZES

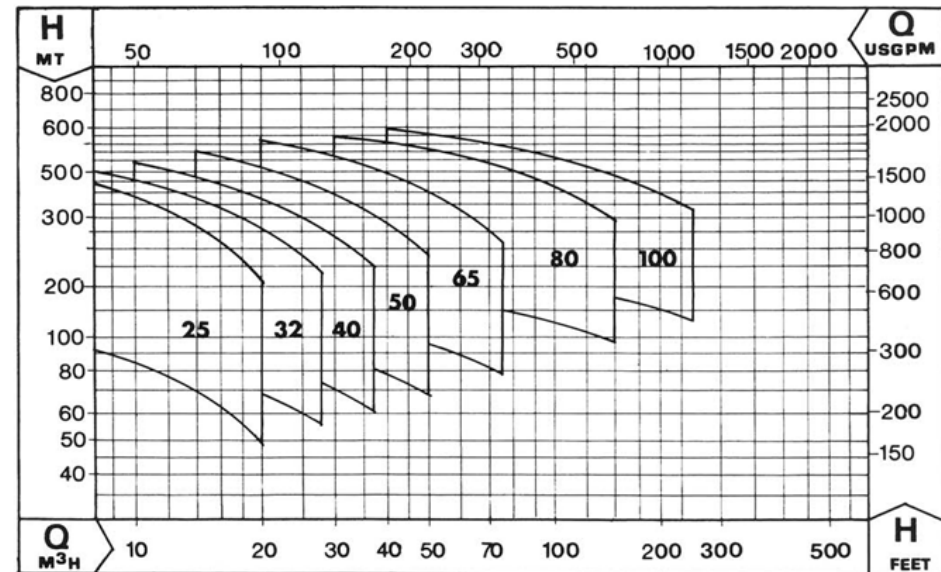
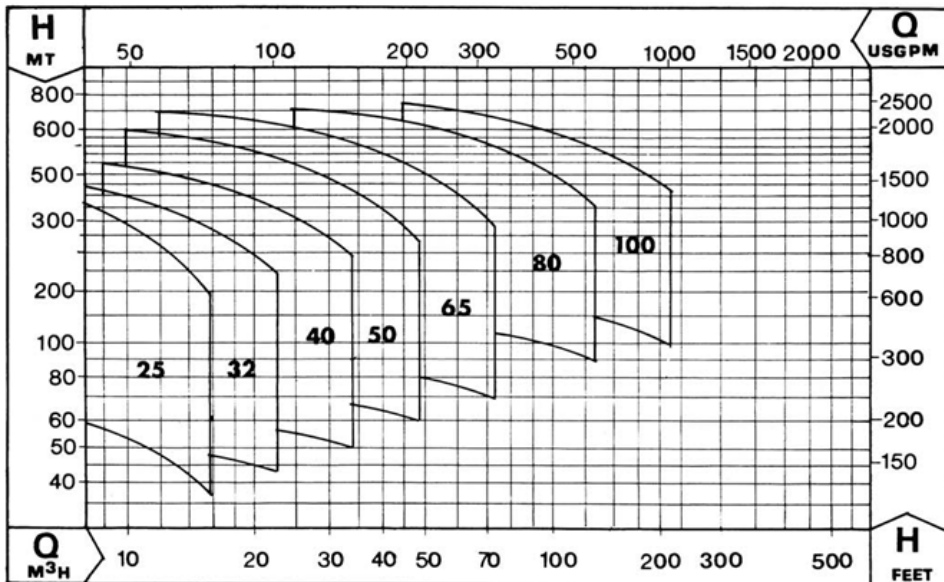
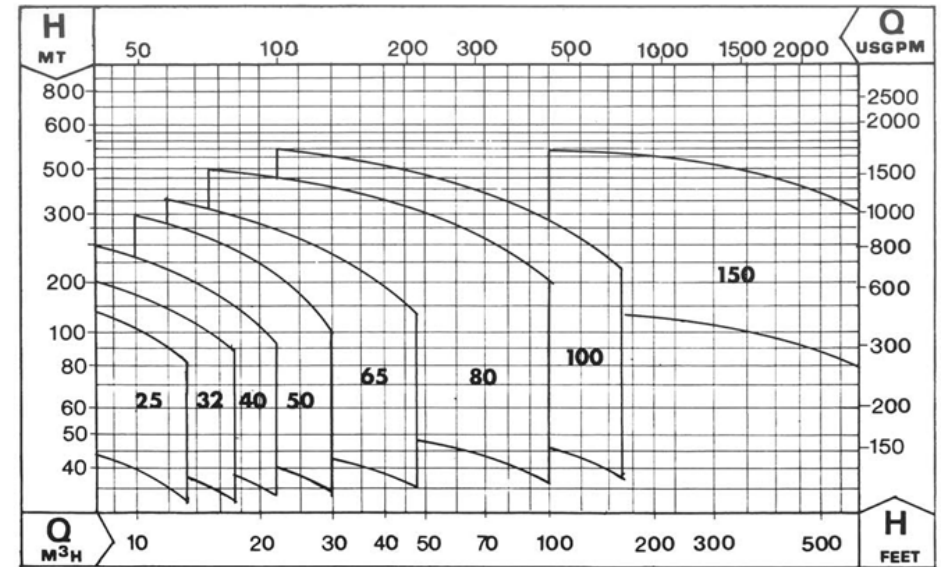
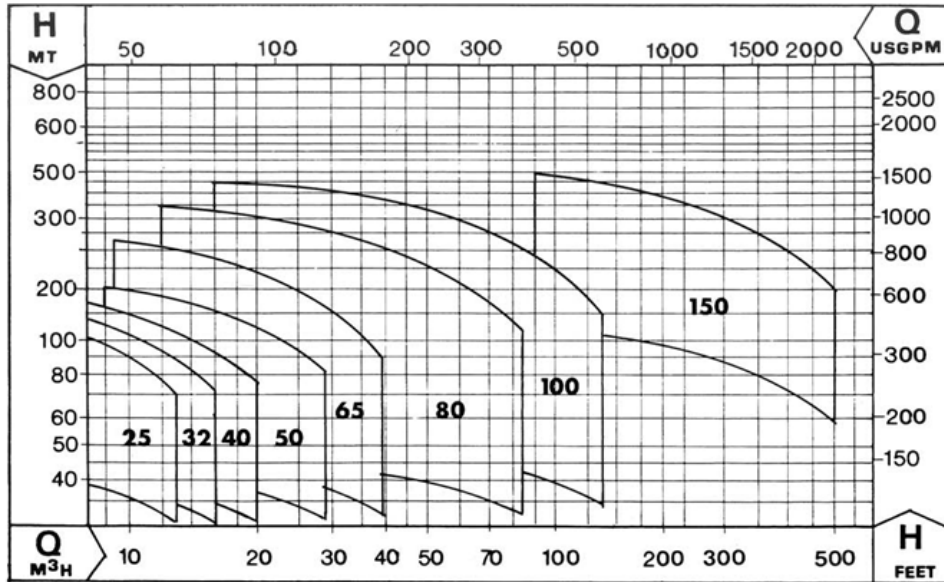


modello model	Dimensioni in mm (non impegnative) - Sizes in mm (not engaging)																											
	Quote C e M - Sizes C and M															Flangia aspirante					Flangia premente							
	Giranti N. - Impeller N.															Suction flange					Discharge flange							
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	O _A	P _A	Q _A	R _A	S _A	Fori holes	O _P	P _P	Q _P	R _P	S _P	Fori holes		
NP 25	C	-	204	266	328	390	452	514	576	638	700	762	824	886	948	40	88	110	150	18	4	25	78	100	140	18	4	
	M	-	139	201	263	325	387	449	511	573	635	697	759	821	883													
NP 32	C	-	250	321	392	463	534	605	676	747	818	889	960	1031	1102	50	102	125	165	18	4	32	85	110	155	22	4	
	M	-	167	238	309	380	451	522	593	664	735	806	877	948	1019													
NP 40	C	-	250	321	392	463	534	605	676	747	818	889	960	1031	1102	65	122	145	185	18	4	40	98	125	170	22	4	
	M	-	167	238	309	380	451	522	593	664	735	806	877	948	1019													
NP 50	C	-	266	340	414	488	562	636	710	784	858	932	-	-	-	80	138	160	200	18	8	50	108	135	180	22	4	
	M	-	176	250	324	398	472	546	620	694	768	842	-	-	-													
NP 65	C	202	281	360	439	518	597	676	755	834	913	992	-	-	-	100	158	180	220	18	8	70	122	160	205	22	8	
	M	114	193	272	351	430	509	588	667	746	825	904	-	-	-													
NP 80	C	265	368	471	574	677	780	883	986	1089	1192	1295	-	-	-	125	188	210	250	18	8	80	142	170	215	22	8	
	M	145	248	351	454	557	660	763	866	969	1072	1175	-	-	-													
NP 100	C	283	395	507	619	731	843	955	1067	1179	-	-	-	-	-	150	212	240	285	22	8	100	170	200	250	25	8	
	M	144	256	368	480	592	704	816	928	1040	-	-	-	-	-													
NP 125	C																											
	M																											
NP 150	C	345	480	615	750	885	1020	1155	1290	1425	-	-	-	-	-	200	268	295	340	22	12	150	218	250	300	25	8	
	M	107	242	377	512	647	782	917	1052	1187	-	-	-	-	-													

modello <i>model</i>	Dimensioni in mm (non impegnative) - Sizes in mm (<i>not engaging</i>)																							
	A	B	D	E	F	G	H	K	I	L	N	S	T	T _i	U	V	W	Z	Y	Esecuzione RP <i>RP execution</i>				
																				A	B	L	T	T _i
NP 25	253	206	18j6	40	20°	6	132	160	160	318	215	16	293	181	50	255	15	50	43	286	239	351	326	214
NP 32-40	273	224	24j6	50	27	8	160	200	200	356	260	18	331	199	50	320	18	70	53	306	257	389	364	232
NP 50	359	297	32k6	80	35°	10	160	225	225	449	260	22	419	267	60	320	18	70	82	359	397	449	419	267
NP 65	368	281	32k6	80	35°	10	180	250	250	456	300	18	421	246	70	360	20	80	82	368	381	456	421	246
NP 80	380	293	38k6	80	41°	10	225	275	275	500	360	25	460	253	80	430	22	80	85	380	293	500	460	253
NP 100	396	303	40h7	110	43°	12	250	320	320	535	365	25	490	258	90	435	25	90	115	396	303	535	490	258
NP 125																								
NP 150	535	395	60m6	140	64	18	355	450	450	748	590	30	668	340	110	690	30	100	143	535	395	748	668	340

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RANGE CHARTS



Biraghi Pompe 1906 Plants



NIGERIA



UAE



ITALY



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