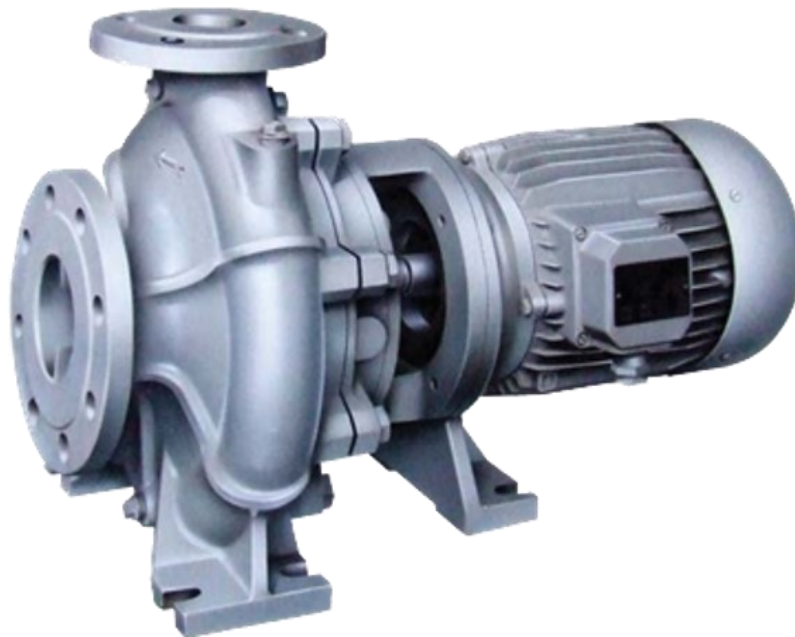


BROCHURE NM-NMR SERIES

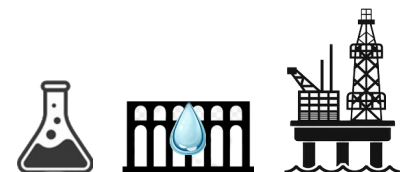
BIRAGHI POMPE 1906



- *ITALIAN QUALITY*
- *SINCE 1906*

Centrifugal Process Pumps

2024



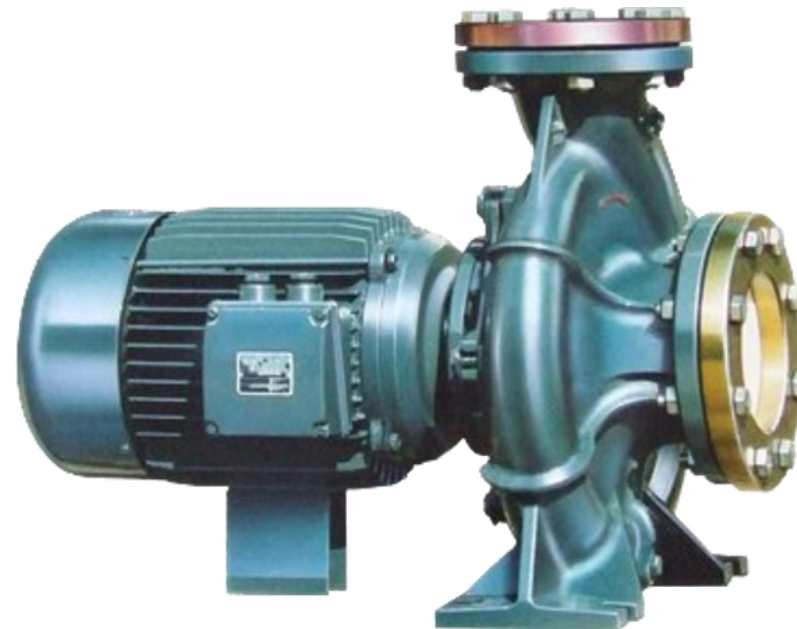
NM-NMR SERIES—BIRAGHI POMPE 1906

K PROCESS PUMP

This electric pumps can satisfy a wide variety of applications, and they are suitable to various working conditions, even the hard ones. This series has been obtained by using some constructive parts of the “N” type, according to iso2858 standard, but with close-coupled assembling. These strong groups are characterized by an easy installation and use, by reduced weights, no base-plate and no alignment problem.

APPLICATION

- ⇒ Civil, industrial and agricultural purposes
- ⇒ Heating systems
- ⇒ Air conditioning system
- ⇒ Water supply
- ⇒ Flow irrigation system
- ⇒ Condensate transfer
- ⇒ Automatic plants with pressure vessel
- ⇒ Drinkable water
- ⇒ Service water
- ⇒ Sea water



NM-NMR SERIES—BIRAGHI POMPE 1906

PUMP CASE

Volute with axial inlet and upward outlet. Flanges UNI PN10 for NMR series flanges UNI PN16 for NM series.

IMPELLER

Single suction enclosed type with axial thrust balancing by back fins

SUPPORT

The support of the pump impeller, keyed on the electric motor special shaft end, is effected by two ball bearings in the motor itself, screened and grease prelubricated.

SEAL

Usually of standardized mechanical type according to VDMA 4960 standard. Only the NM series can be manufactured in the stuffing box execution, with hydraulic sealing or flushing device. For liquid temperature up to 150°C it is necessary to fit the pump cover with the relative cooling chamber (RP).

A double mechanical seal execution is also available (20T).

SPECIAL CONSTRUCTIONS

- ⇒ If the parts touching the liquid can be casted in the following materials:
- ⇒ Bronze BZN7 ISO 9200
- ⇒ Bronze B10 ISO 9200
- ⇒ Stainless steel AISI316
- ⇒ 4% nickel cast iron
- ⇒ Spheroidal cast iron GS400/12 UNI 4544
- ⇒ Special mechanical seals
- ⇒ For other requests please contact our technical department

STANDARD MATERIALS

PUMP CASE: cast iron G25 ISO 9200

IMPELLER: cast iron G25 ISO 9200

PUMP COVER: cast iron G25 ISO 9200

MOUNTING: cast iron G25 ISO 9200

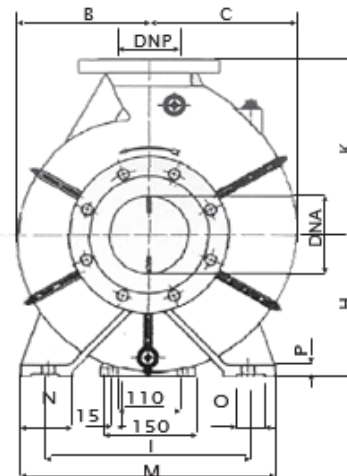
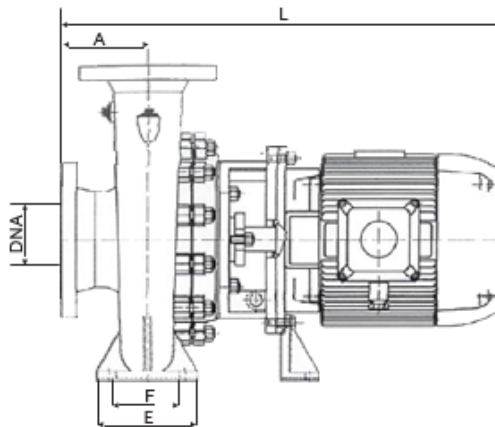
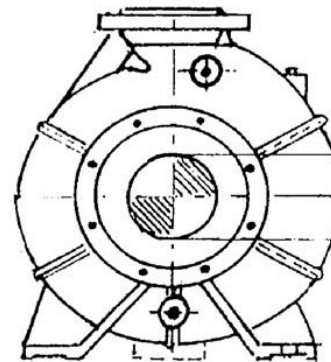
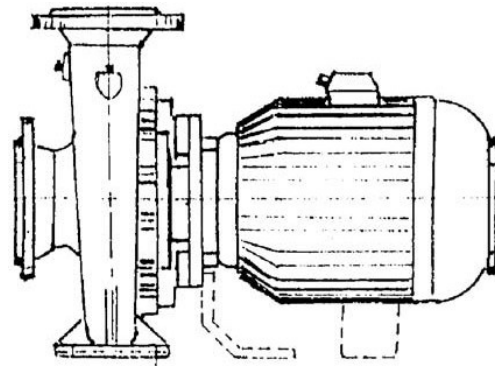
MOTOR SHAFT: steel AISI 431

NM-NMR SERIES—BIRAGHI POMPE 1906

REVOLUTION SPEED: up to 3500 RPM

ELECTRIC MOTOR

OVERALL SIZES



Enclosed type fan cooled with short circuited rotor

Enclosure: IP55

Insulation: CL.F

Voltage: 230/400V 380/660 V, three-phase

Frequency: 50/60 HZ

NB. EXXD IIT3 electric motors available on request.

FUNCTIONAL CURVES: see "N" series functional curves booklet.

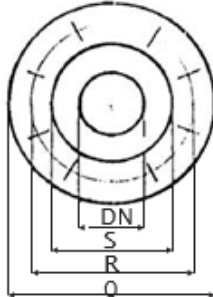
Capacitiy	to 190 m ³ /hr
Head	to 95 m
Max working	to 10 bar
Temperature	to 150 C°

NM-NMR SERIES—BIRAGHI POMPE 1906

OVERALL SIZES

MODELLO MODEL		DIMENSIONI IN mm (non impegnative) - SIZES IN mm (not engaging)																
		DNA	DNP	A	B	C	E	F	H	K	I	Peso Max Kg	L max		M	N	O	P
													Motore a 4 poli	Motore a 2 poli				
NMR 32-125		50	32	80	99	106	100	70	112	140	140	20	350	400	190	50	15	13
NMR 32-160		50	32	80	121	121	100	70	132	160	190	40	390	480	240	50	15	13
NMR 32-200		50	32	80	139	139	100	70	160	180	190	55	440	520	240	50	15	13
NMR 32-250		50	32	100	166	166	125	95	180	225	250	45	540		320	65	15	16
NMR 40-125		65	50	80	106	117	100	70	112	140	160	30	390	470	210	50	15	13
NMR 40-160		65	50	80	121	130	100	70	132	160	190	60	390	470	240	50	15	13
NMR 40-200		65	40	100	139	145	100	70	160	180	212	75	460	590	265	50	15	13
NMR 40-250		65	40	100	166	168	125	95	180	225	250	60	540		320	65	15	15
NMR 50-125		80	65	100	122	141	100	70	132	160	190	37	410	480	240	50	15	13
NMR 50-160		80	65	100	134	149	100	70	160	180	212	70	460	580	265	50	15	13
NMR 50-200		80	50	100	148	160	100	70	160	200	212	47	540		265	50	15	13
NMR 50-250		80	50	125	167	179	125	95	180	225	250	62	565		320	65	15	15
NMR 65-125		100	80	100	140	167	125	95	160	180	212	50	480	590	280	65	15	15
NMR 65-160		100	80	100	147	160	125	95	160	200	212	62	540		280	65	15	15
NMR 65-200		100	65	100	163	182	125	95	180	225	250	85	540		320	65	15	15
NMR 65-250		100	65	125	180	197	160	120	200	250	280	105	670		360	80	20	18
NMR 100-200		125	100	125	182	212	160	120	200	280	280	110	670		360	80	20	18
NMR 100-250		125	100	140	204	231	160	120	225	280	315	135	850		400	80	20	18

DN	Q	R	S	Fori-Holes		Spessore Thickness
				W	a	
32	140	100	78	4	18	18
40	150	110	88	4	18	18
50	165	125	102	4	18	20
65	185	145	122	4	18	20
80	200	160	138	8	18	24
100	220	180	158	8	18	24
125	250	210	188	8	18	26



FLANGE SECONDO
UNI 2237 - 2229 PN 10

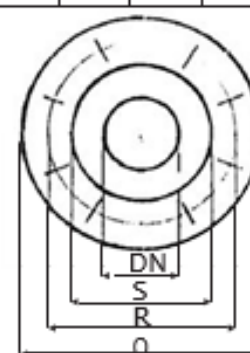
FLANGES ACCORDING TO
UNI 2237 - 2229 PN 10

NM-NMR SERIES—BIRAGHI POMPE 1906

OVERALL SIZES

MODELLO MODEL	DIMENSIONI IN mm (non impegnative) - SIZES IN mm (not engaging)																
	DNA	DNP	A	B	C	E	F	G	H	K	I	L max		M	N	O	P
												Motore a 4 poli	Motore a 2 poli				
NM 53 A	50	32	80	99	106	100	70	230	112	140	140	500	550	190	50	15	13
NM 53 B	50	32	80	121	121	100	70	232	132	160	190	500	600	240	50	«	«
NM 53 C	50	32	80	139	139	100	70	232	160	180	190	520	620	240	50	«	«
NM 53 D	50	32	100	166	166	125	95	255	180	225	250	600	800	320	65	«	15
NM 65 A	65	50	80	106	117	100	70	232	112	140	160	500	570	210	50	«	13
NM 65 B	65	50	80	121	130	100	70	232	132	160	190	500	620	240	50	«	«
NM 64 C	65	40	100	139	145	100	70	232	160	180	212	550	650	265	50	«	«
NM 64 D	65	40	100	166	168	125	95	255	180	225	250	620	800	320	65	«	15
NM 64 E	65	40	125	200	200	125	95	255	200	250	280	650	-	345	65	«	«
NM 86 A	80	65	100	122	141	100	70	232	132	160	190	520	650	240	50	«	3
NM 86 B	80	65	100	134	149	100	70	232	160	180	212	550	700	265	50	«	«
NM 85 C	80	50	100	148	160	100	70	232	160	200	212	600	800	265	50	«	«
NM 85 D	80	50	125	167	179	125	95	255	180	225	250	650	880	320	65	«	15
NM 85 E	80	50	125	200	209	125	95	255	225	280	280	730	-	345	65	«	«
NM 108 A	100	80	100	140	167	125	95	232	160	180	212	550	700	280	65	«	«
NM 108 B	100	80	100	147	169	125	95	255	160	200	212	620	800	280	65	«	«
NM 106 C	100	65	100	163	182	125	95	255	180	225	250	620	850	320	65	«	«
NM 106 D	100	65	125	180	197	160	120	255	200	250	280	730	-	360	80	20	18
NM 106 E	100	65	125	208	222	160	120	265	225	280	315	850	-	400	80	«	«
NM 1210 C	125	100	125	182	212	160	120	255	200	280	280	730	-	360	80	«	«
NM 1210 D	125	100	140	204	231	160	120	265	225	280	315	850	-	400	80	«	«
NM 1210 E	125	100	140	226	245	160	120	265	250	315	315	900	-	400	80	«	«

DN	Q	R	S	FORI-ROIES		Spessore Thickness
				W	ø	
32	140	100	78	4	18	18
40	150	110	88	4	18	18
50	165	125	102	4	18	20
65	185	145	122	4	18	20
80	200	160	138	8	18	24
100	220	180	158	8	18	24
125	250	210	188	8	18	26



FLANGE SECONDO
UNI 2237 - 2229 PN 16

FLANGES ACCORDING TO
UNI 2237 - 2229 PN 16

Biraghi Pompe 1906 Plants



NIGERIA



UAE



ITALY



Biraghi
POMPE1906

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