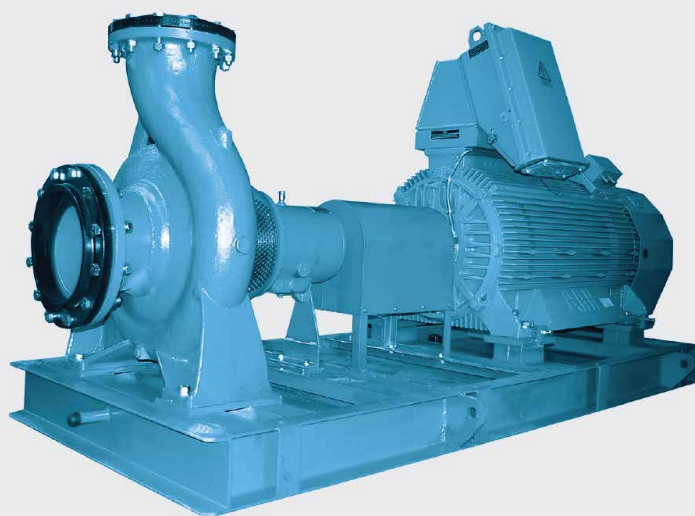
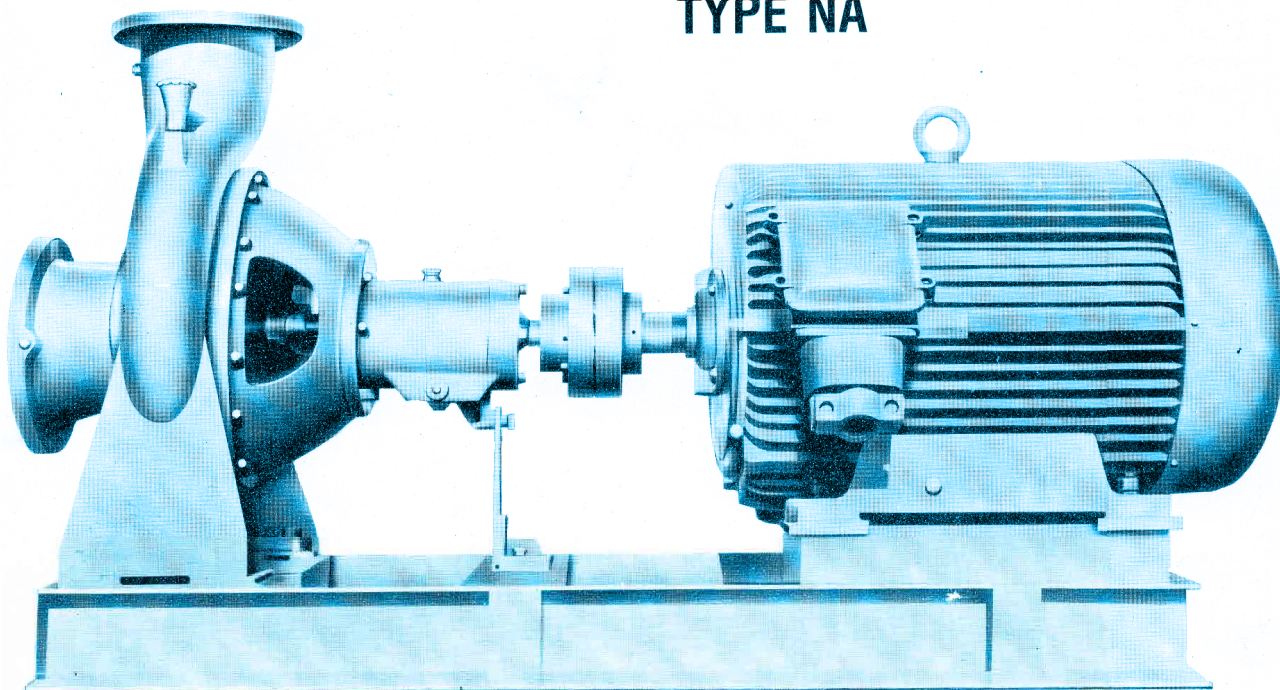




NA

HEAVY DUTY END SUCTION PUMPS

CENTRIFUGAL PUMPS FOR LOW AND MEDIUM PRESSURE TYPE NA



Applications

For clean or turbid liquids, free from large solids.
For pumping water, petrol, benzene, oil, brine, alkaline solution and mild acids.
For circulation, irrigation and drainage purposes.
For water supply and booster stations.
For Industrial and Agricultural applications and in public services.

Hydraulic data

Capacity up to 2500 m³/h.
Total head up to 150 m.
Temperature up to 140°C.
Pressure up to 16 bar.

Design

Single stage end suction volute design with vertically arranged radial discharge branch. Single entry, closed or open impeller. Heavy duty oil or grease lubricated ball bearings in sturdily constructed housing flanged to pump casing.

Maintenance is very much easier, the impeller shaft and other rotating parts being removeable without having to disconnect the suction or delivery pipe work.

In fact the use of one extension coupling enables a pump to be dismantled without moving either the driver or the pump casing.
Maximum interchangeability of components. Identical parts can be used with various sizes of pumps, which greatly simplifies and reduces stocks of spare parts.

Specifications

Stuffing box

Pumps are supplied as standard with a conventional packed gland.
Lantern ring for water sealing and lubrication of packing.
Shaft sleeve in the packing.
Water cooling stuffing box for temperature above 105°C.
For special purposes, use of mechanical seals.

Material

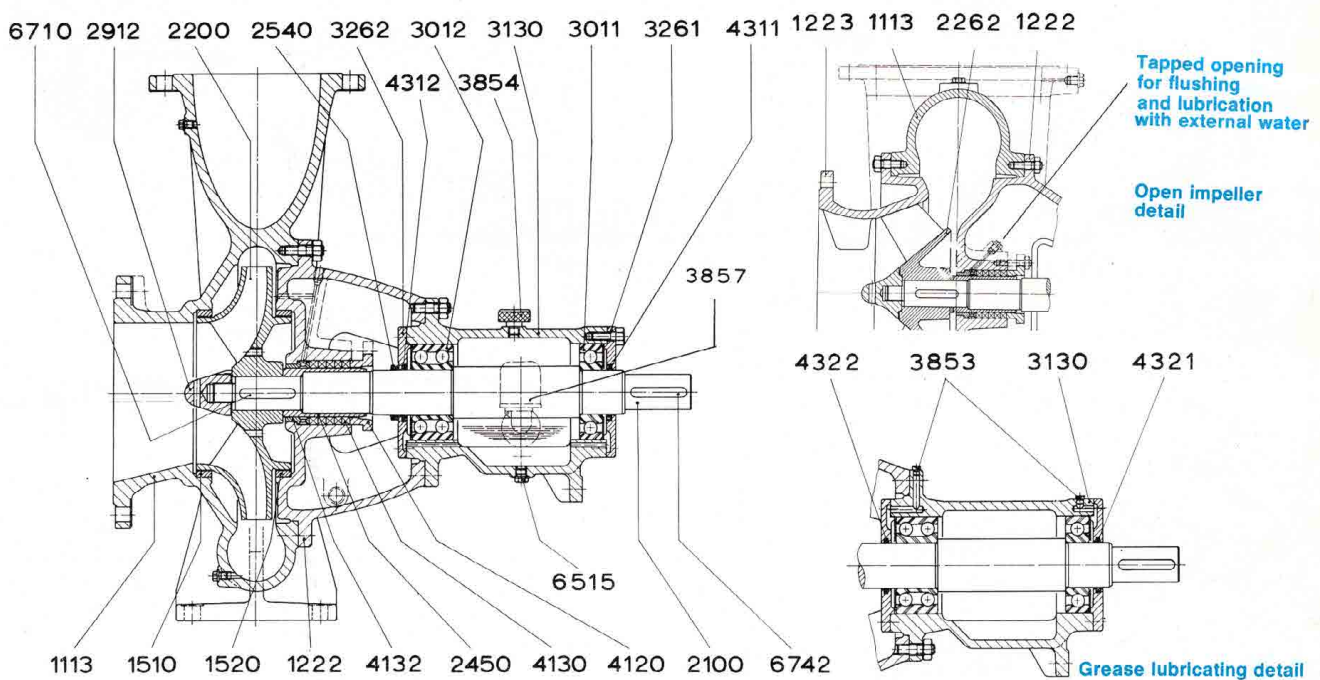
Standard design:

Casing	Cast-iron
Impeller	Bronze
Wearing rings	Cast iron
Shaft	Steel
Shaft sleeve	Corrosion resistant steel

Special design:

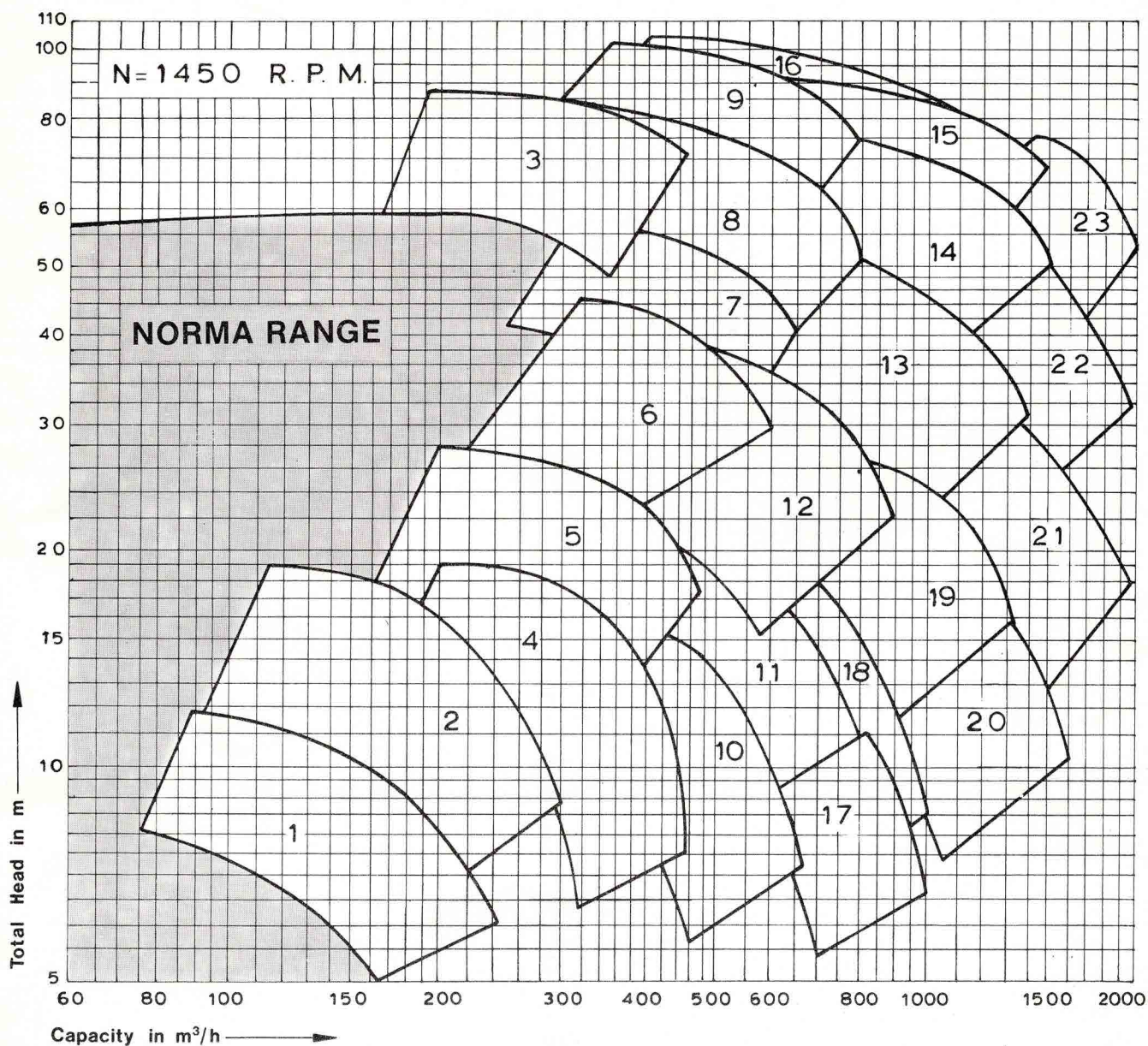
Casing	Bronze
Impeller	Bronze
Wearing rings	Bronze
Shaft	Corrosion resistant steel
Shaft sleeve	Corrosion resistant steel

Sectional View



Europump Number	Part Name	Europump Number	Part Name
1223	Suction cover	2912	Impeller nut
1113	Casing	6710	Key for impeller
1510	Casing wearing ring, suction side	6742	Key for coupling
1520	Casing wearing ring, delivery side	4312	Radial shaft seal, pump side
1222	Casing cover	4311	Radial shaft seal, drive side
3130	Bearing bracket	4322	Felt ring in bearing housing, pump side
3262	Bearing cover, pump side	4321	Felt ring in bearing housing drive side
3261	Bearing cover, drive side	2540	V-ring
4132	Stuffing box bushing	6515	Drain plug
4120	Stuffing box gland	3854	Oil filler plug
2200	Closed impeller	3857	Constant level oiler
2262	Open impeller	3853	Grease nipple
2100	Shaft	4130	Stuffing box packing
3012	Antifriction bearing, pump side		
3011	Antifriction bearing, drive side		
2450	Shaft sleeve		

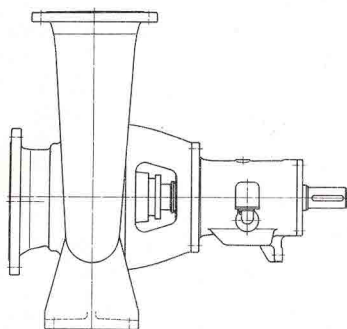
Selection Chart



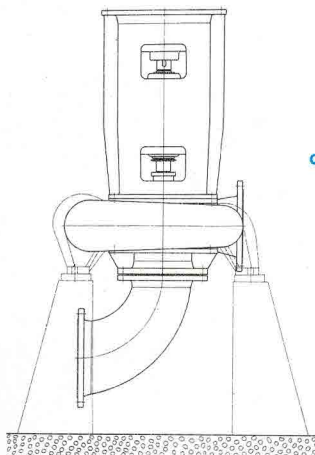
- | | | | | | |
|---------------|---------------|----------------|----------------|----------------|----------------|
| 1. NA 125-200 | 5. NA 200-310 | 9. NA 200-560 | 13. NA 250-440 | 17. NA 300-290 | 21. NA 350-400 |
| 2. NA 150-260 | 6. NA 200-380 | 10. NA 250-270 | 14. NA 250-460 | 18. NA 300-330 | 22. NA 350-500 |
| 3. NA 150-500 | 7. NA 200-400 | 11. NA 250-290 | 15. NA 250-500 | 19. NA 300-350 | 23. NA 350-530 |
| 4. NA 200-270 | 8. NA 200-500 | 12. NA 250-380 | 16. NA 250-565 | 20. NA 350-350 | |

Arrangement

Type NA Horizontal



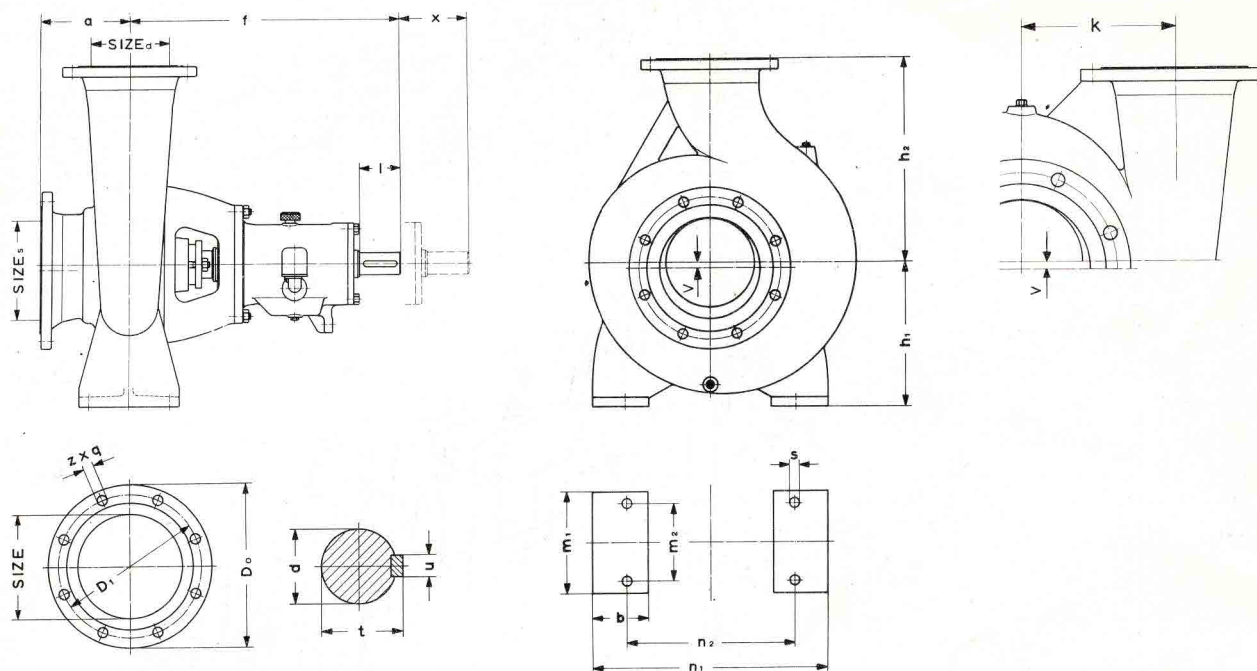
Type NA VD
Vertical
Motor mounted
directly
on pump adaptor



Type NA VD-MSL
Vertical
Motor mounted
on separate higher floor



Dimensions



SIZE	Impeier type	Suction Flange						Discharge Flange						Principal Pump Dimensions												Shaft end DIN 748				weight Kp
		size	D ₀	D ₁	q	Z	V	size	D ₀	D ₁	q	Z	K	a	f	x	h ₁	h ₂	b	S	n ₁	n ₂	m ₁	m ₂	d	l	t	u		
125-200	C	150	285	240	23	8	—	125	250	210	18	8	—	140	470	125	250	315	80	20	400	315	160	120	32	80	35	10	110	
150-260	C	150	285	240	23	8	—	150	285	240	23	8	220	153	493	140	270	240	100	22	480	380	300	230	42	80	45	12	190	
150-500	C	200	340	295	23	8	—	150	285	240	23	8	—	200	680	220	400	500	150	25	625	475	300	240	55	107	59	16	270	
200-270	C	200	340	295	23	8	—	200	340	295	23	8	247	166	493	160	310	275	100	22	530	430	330	260	42	80	45	12	220	
200-310	C	200	340	295	23	8	—	200	340	295	23	8	265	185	530	200	325	300	100	22	560	460	330	260	42	110	45	12	335	
200-380	C	200	340	295	23	8	—	200	340	295	23	8	279	190	672	200	355	350	125	25	625	500	250	200	55	110	59	16	410	
200-400	C	250	395	350	23	12	15	200	340	295	23	8	—	225	680	200	355	500	125	25	625	500	250	200	55	110	59	16	410	
200-500	C	250	395	350	23	12	25	200	340	295	23	8	—	280	680	200	400	550	150	25	700	550	300	240	55	110	59	16	520	
200-560	C	250	395	350	23	12	18	200	340	295	23	8	—	250	850	220	450	600	150	25	700	550	300	240	75	140	79.5	20	710	
250-270	O	250	395	350	23	12	—	250	395	350	23	12	322.5	250	572	300	410	330	120	25	700	580	450	370	42	110	45	12	430	
250-290	O	250	395	350	23	12	—	250	395	350	23	12	322.5	250	572	300	410	330	120	25	700	580	450	370	42	110	45	12	430	
250-380	C	250	395	350	23	12	—	250	395	350	23	12	328	215	680	230	400	345	150	25	700	550	300	240	55	110	59	16	570	
250-440	C	300	445	400	23	12	27.5	250	395	350	23	12	—	250	890	230	425	345	150	25	700	550	300	240	75	140	79.5	20	640	
250-460	C	300	445	400	23	12	27.5	250	395	350	23	12	—	250	890	230	425	600	150	25	700	550	300	240	75	140	79.5	20	640	
250-500	C	300	445	400	23	12	7.5	250	395	350	23	12	—	250	850	230	450	600	150	25	700	550	300	240	75	140	79.5	20	700	
250-565	C	300	445	400	23	12	37.5	250	395	350	23	12	—	315	850	230	450	600	150	25	750	600	300	240	75	140	79.5	20	785	
300-290	O	300	445	400	23	12	—	300	445	400	23	12	374	280	715	320	460	360	120	25	800	680	500	420	55	110	59	16	550	
300-330	O	300	445	400	23	12	—	300	445	400	23	12	387	285	715	330	485	400	120	25	800	680	500	420	55	110	59	16	600	
300-350	O	300	445	400	23	12	—	300	445	400	23	12	387	285	715	330	485	400	120	25	800	680	500	420	55	110	59	16	710	
350-350	O	350	505	460	23	16	—	350	505	460	23	16	464	290	705	370	580	475	170	30	1000	830	650	530	55	110	59	16	710	
350-400	O	350	505	460	23	16	—	350	505	460	23	16	464	290	705	370	580	475	170	30	1000	830	650	530	55	110	59	16	940	
350-500																														
350-530																														

The technical data of this leaflet are subject to change without notice



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