



## VIP Tehnika d.o.o.

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## Endsuction Filter Blockpumps, Design NMS

Single stage volume casing, end-suction pumps, direct coupled vertical "block" design with integrated suction strainer.

**Performance range:** capacities up to 330 m<sup>3</sup>/h

**Head:** up to 50 m

**Size:** DN 40 to DN 125 (discharge branch), acc. DIN 2533

**Temperature:** max. 90 °C

**Casing pressure:** 4 bar

**Application:** Indoor or outdoor swimming pools, private or public thermal springs or therapeutic bathes, industrial water supply and circulation of cooling water.



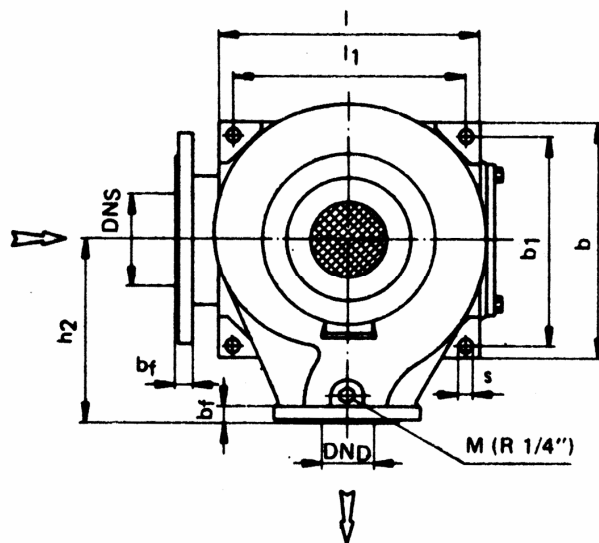
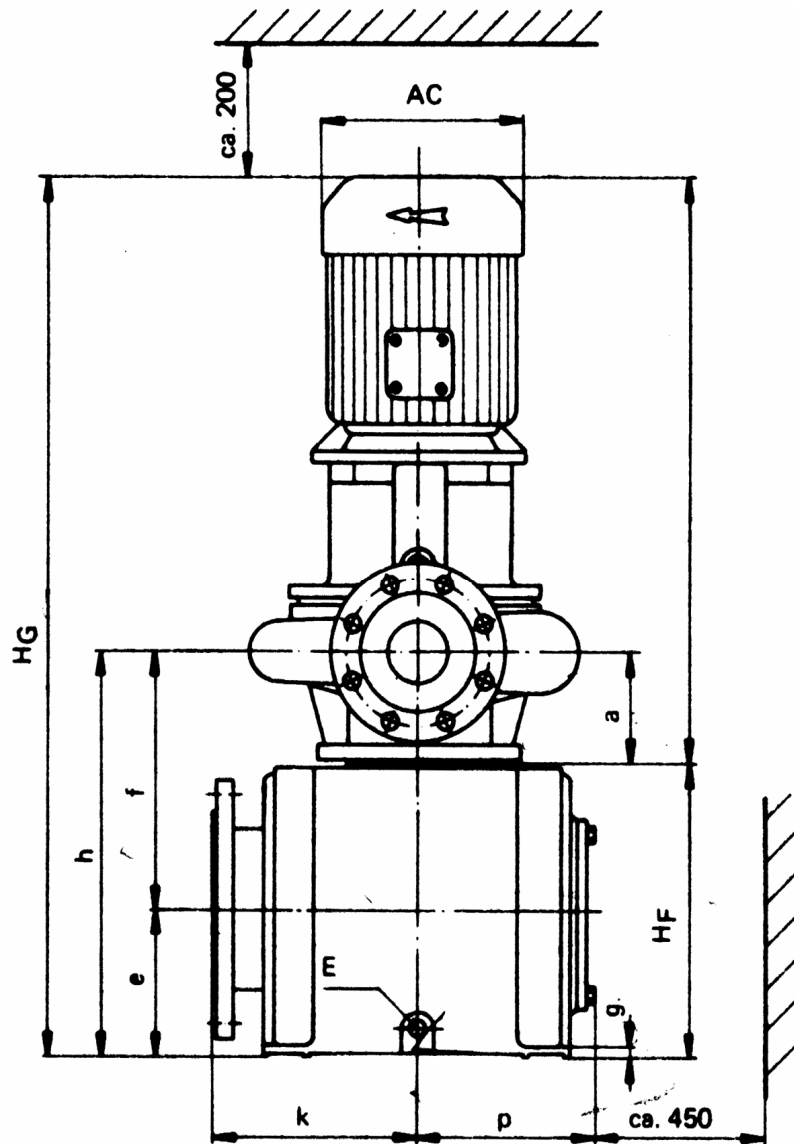
**Pump, Design NMS**

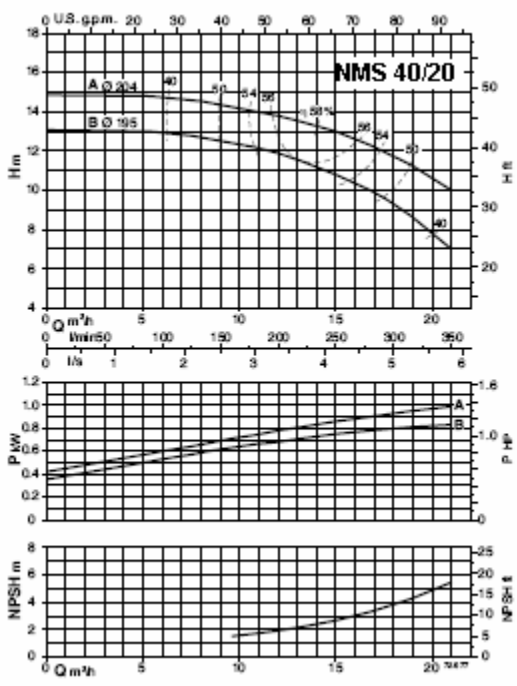
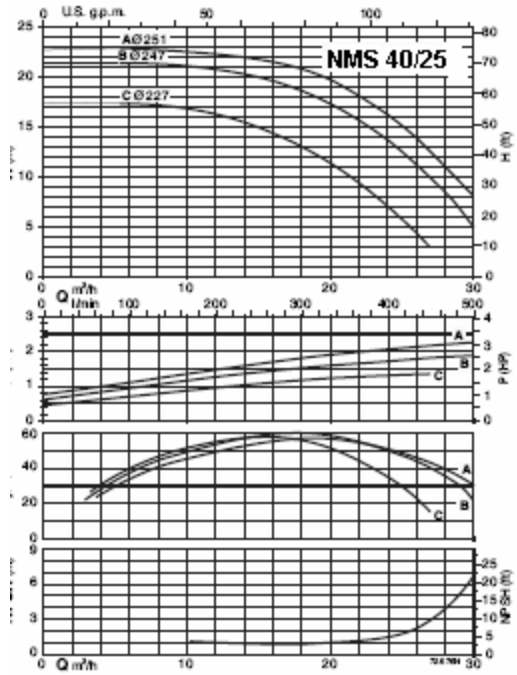
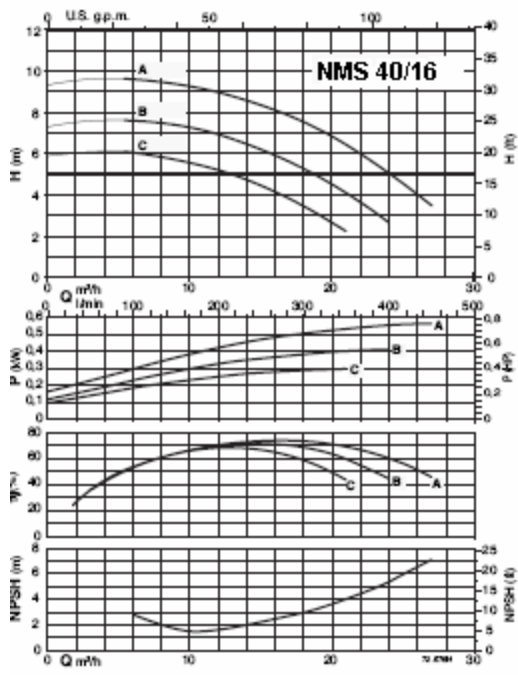
### **DESIGN:**

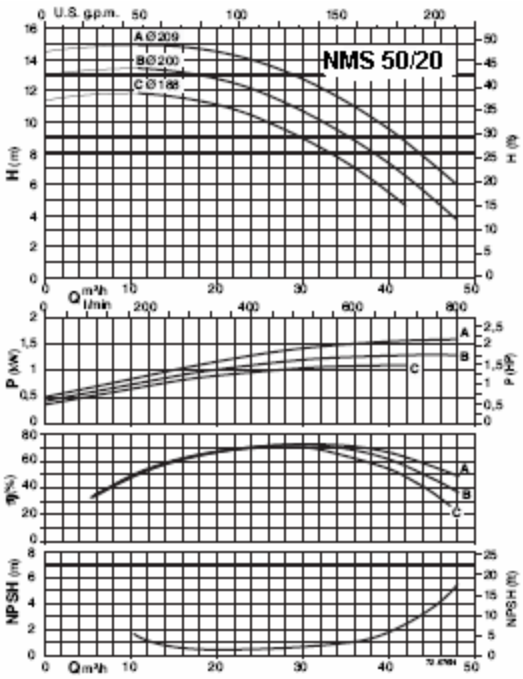
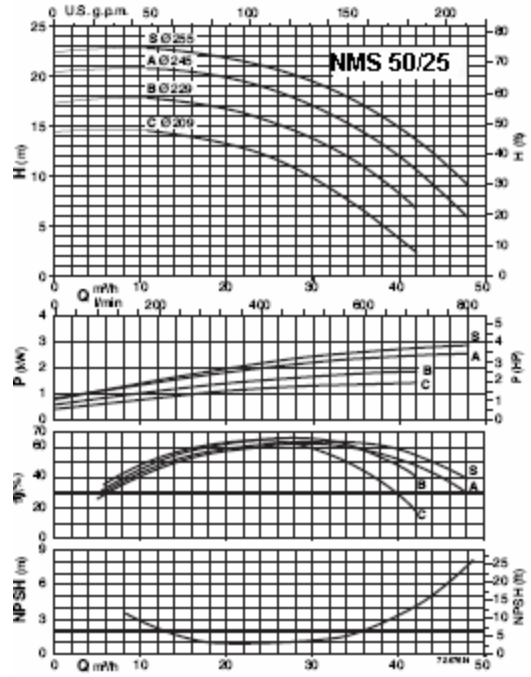
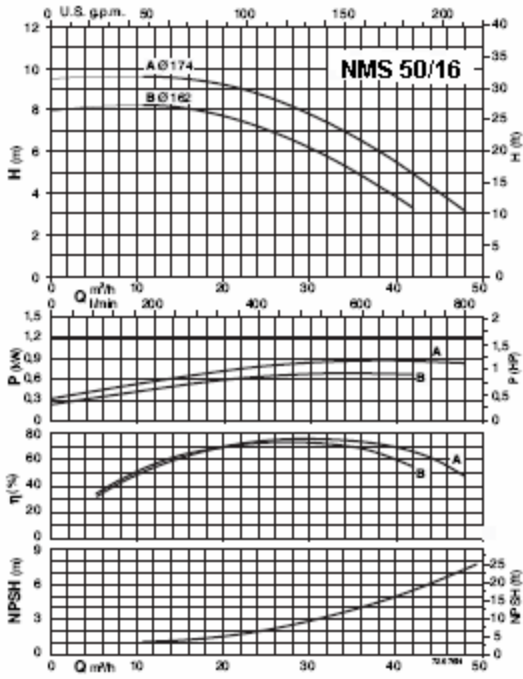
Single stage endsuction pumps with closed radially bladed impeller, vertically arranged, with mechanical seal flushed by the liquid (CARBON-CERAMIC-NBR). The pump shaft (stub shaft) is direct coupled to the motor shaft. Back pool out design which insures that the impeller and the mechanical seal are accessible without disturbing the pump casing and the connecting pipe work. The strainer casing is direct bolted to the suction flange of the pump, the strainer prevents the entering of coarse solids and fibres into the pump. After opening of the strainer casing the strainer may be taken out for cleaning without disassembling of the pump or pipe work.

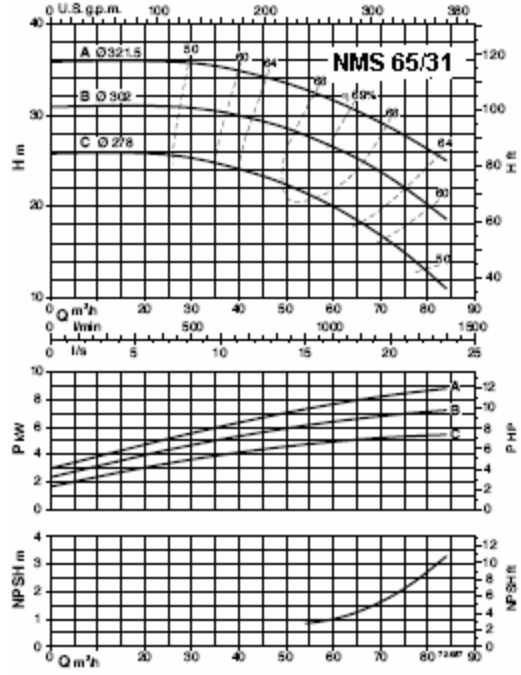
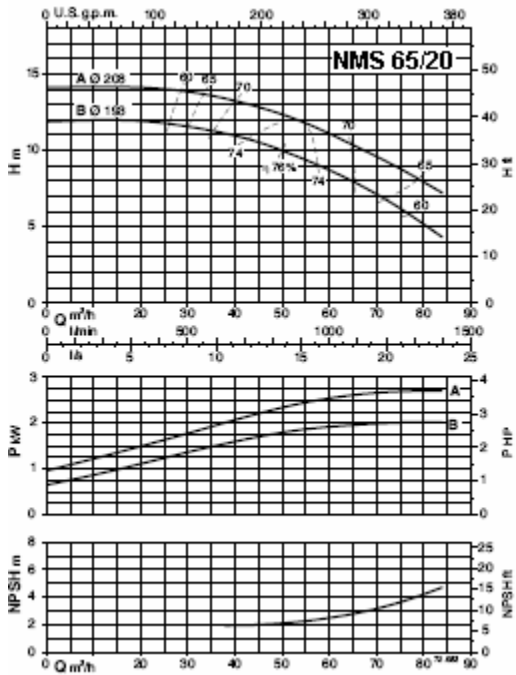
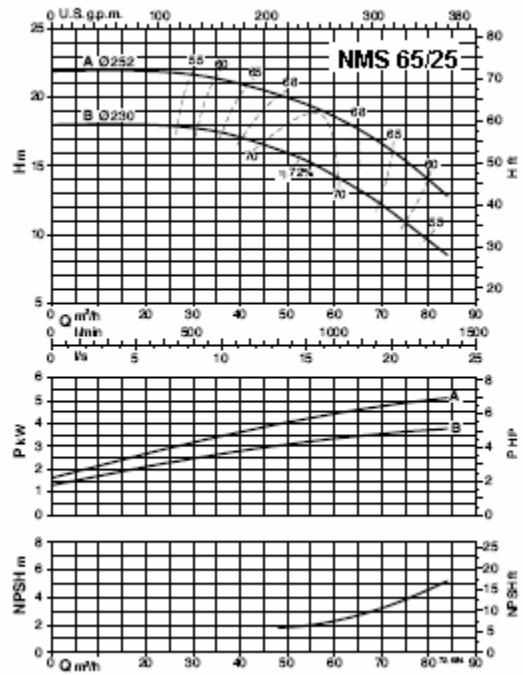
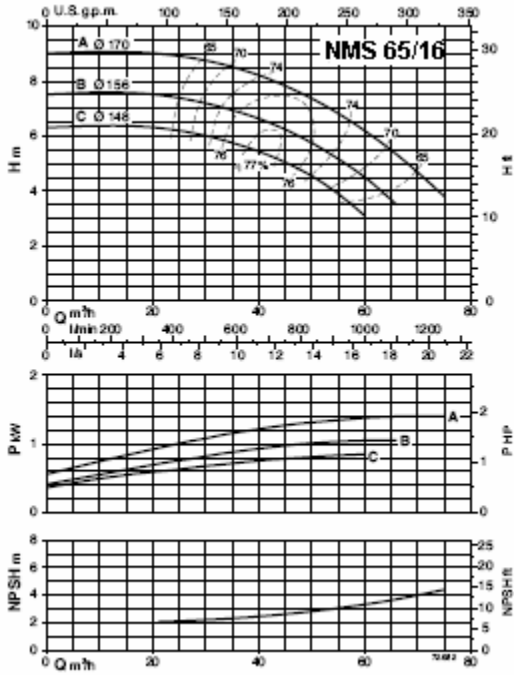
Type	Motor		weight kg	DN1	DN2	Pump dimensions																
	kW	A				AC	a	b	b <sub>1</sub>	e	f	g	H <sub>F</sub>	H <sub>C</sub>	h	h <sub>2</sub>	k	L	l	l <sub>1</sub>	p	s
NMS 40/16 CE	0,37	0,95	129	200	40	268	80	300	265	175	240	20	335	745	415	160	235	410	350	300	200	18
NMS 40/16 BE	0,55	1,5	131	200	40	268	80	300	265	175	240	20	335	745	415	160	235	410	350	300	200	18
NMS 40/16 AE	0,75	1,9	133	200	40	268	80	300	265	175	240	20	335	745	415	160	235	410	350	300	200	18
NMS 40/20 BE	1,1	2,9	138,5	200	40	288	100	300	265	175	260	20	335	765	435	180	235	430	350	300	200	18
NMS 40/20 AE	1,1	2,9	139	200	40	288	100	300	265	175	260	20	335	765	435	180	235	430	350	300	200	18
NMS 40/25 CE	1,5	3,5	157	200	40	308	100	300	265	175	260	20	335	830	435	225	235	495	350	300	200	18
NMS 40/25 BE	2,2	5	162	200	40	308	100	300	265	175	260	20	335	830	435	225	235	495	350	300	200	18
NMS 40/25 AE	3	6,3	176	200	40	340	100	300	265	175	260	20	335	860	435	225	235	525	350	300	200	18
NMS 50/16 BE	1,1	2,9	137,5	200	50	288	100	300	265	175	260	20	335	765	435	180	235	430	350	300	200	18
NMS 50/16 AE	1,1	2,9	138	200	50	288	100	300	265	175	260	20	335	765	435	180	235	430	350	300	200	18
NMS 50/20 CE	1,1	2,9	142,5	200	50	288	100	300	265	175	260	20	335	775	435	200	235	440	350	300	200	18
NMS 50/20 BE	1,5	3,5	147,5	200	50	288	100	300	265	175	260	20	335	840	435	200	235	505	350	300	200	18
NMS 50/20 AE	2,2	5	152,5	200	50	288	100	300	265	175	260	20	335	840	435	200	235	505	350	300	200	18
NMS 50/25 CE	2,2	5	163,5	200	50	308	100	300	265	175	260	20	335	825	435	225	235	490	350	300	200	18
NMS 50/25 BE	3	6,3	175,5	200	50	340	100	300	265	175	260	20	335	865	435	225	235	530	350	300	200	18
NMS 50/25 AE	4	8,5	183,5	200	50	340	100	300	265	175	260	20	335	865	435	225	235	530	350	300	200	18
NMS 50/25 SE	4	8,5	183,5	200	50	340	100	300	265	175	260	20	335	865	435	225	235	530	350	300	200	18
NMS 65/16 CE	1,1	2,9	144	200	65	288	100	300	265	175	260	20	335	765	435	200	235	430	350	300	200	18
NMS 65/16 BE	1,1	2,9	144	200	65	288	100	300	265	175	260	20	335	765	435	200	235	430	350	300	200	18
NMS 65/16 AE	1,5	3,5	149,5	200	65	288	100	300	265	175	260	20	335	830	435	200	235	495	350	300	200	18
NMS 65/20 BE	2,2	5	156,5	200	65	308	100	300	265	175	260	20	335	830	435	225	235	505	350	300	200	18
NMS 65/20 AE	3	6,3	171,5	200	65	340	100	300	265	175	260	20	335	860	435	225	235	525	350	300	200	18
NMS 65/25 BE	4	8,5	195	200	65	360	100	300	265	175	260	20	335	875	435	250	235	540	350	300	200	18
NMS 65/25 AE	5,5	12,5	214	200	65	385	100	300	265	175	260	20	335	980	435	250	235	645	350	300	200	18
NMS 65/31 CE	5,5	12,5	251	200	65	410	125	300	265	175	285	20	335	1005	460	280	235	670	350	300	200	18
NMS 65/31 BE	7,5	16	262	200	65	410	125	300	265	175	285	20	335	1005	460	280	235	670	350	300	200	18
NMS 65/31 AE	9,2	19	274	200	65	410	125	300	265	175	285	20	335	1055	460	280	235	720	350	300	200	18
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NMS 80/16 BE	1,5	3,5	156	200	80	308	125	300	265	175	285	20	335	855	460	225	235	520	350	300	200	18
NMS 80/16 AE	2,2	5	161	200	80	308	125	300	265	175	285	20	335	855	460	225	235	520	350	300	200	18
NMS 80/20 CE	2,2	5	170	200	80	308	125	300	265	175	285	20	335	875	460	250	235	540	350	300	200	18
NMS 80/20 BE	3	6,3	180	200	80	340	125	300	265	175	285	20	335	895	460	250	235	560	350	300	200	18
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NMS 80/25 CE	4	8,5	200	200	80	360	125	300	265	175	285	20	335	900	460	280	235	565	350	300	200	18
NMS 80/25 BE	5,5	12,5	222	200	80	385	125	300	265	175	285	20	335	1005	460	280	235	670	350	300	200	18
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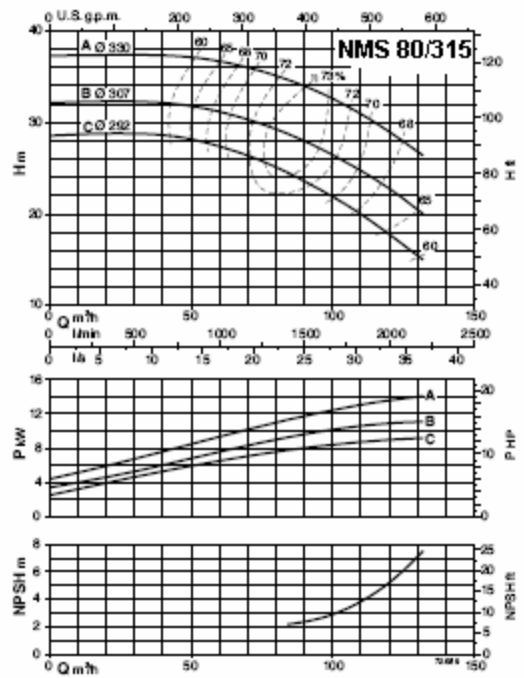
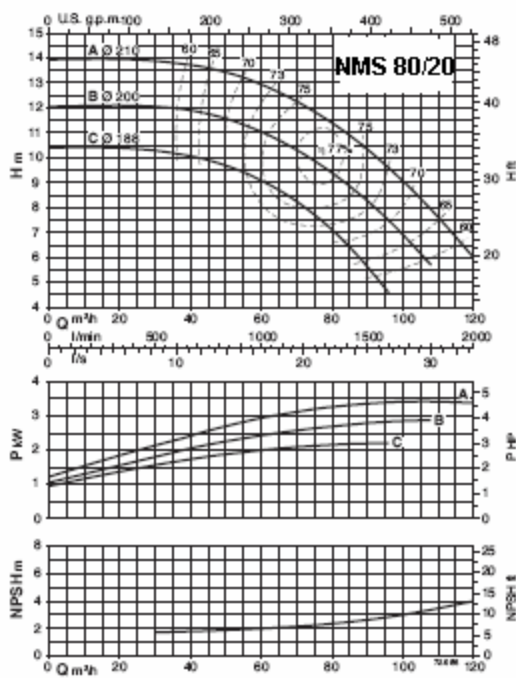
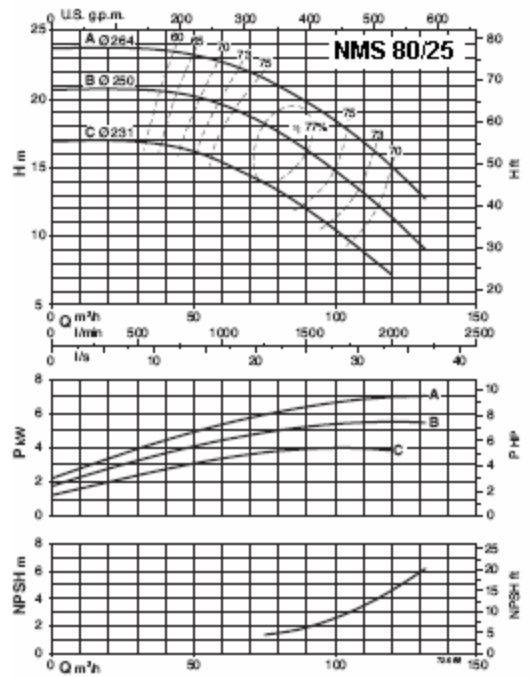
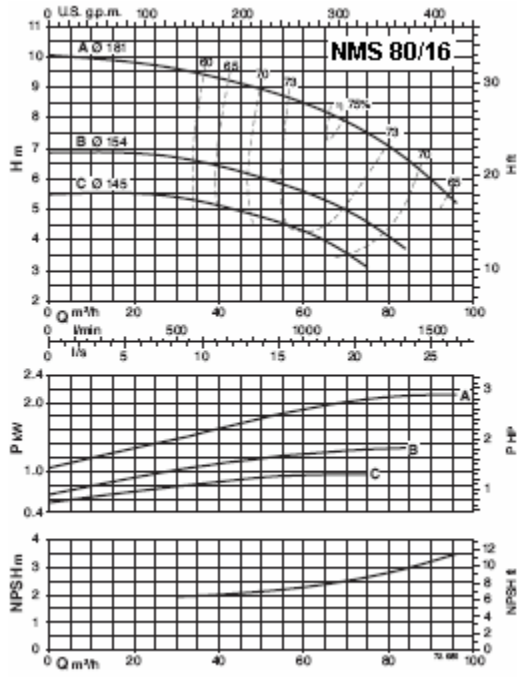
Type	Motor		weight kg	DN1	DN2	Pump dimensions																
	kW	A				AC	a	b	b <sub>1</sub>	c	f	g	H <sub>r</sub>	H <sub>G</sub>	h	h <sub>2</sub>	k	L	l	l <sub>1</sub>	p	s
NMS 80/31 CE	9,2	19	279	200	80	435	125	300	265	175	285	20	335	1055	460	315	235	720	350	300	200	18
NMS 80/315 BE	11	22,5	325	200	80	466	125	300	265	175	285	20	335	1185	460	315	235	850	350	300	200	18
NMS 80/315 AE	15	29	348	200	80	466	125	300	265	175	285	20	335	1185	460	315	235	850	350	300	200	18
NMS 80/400 CE	18,5	36,5	434	200	80	-	125	300	265	175	300	20	335	1200	475	355	235	865	350	300	200	18
NMS 80/400 BE	22	43	463	200	80	-	125	300	265	175	300	20	335	1240	475	355	235	905	350	300	200	18
NMS 80/400 AE	30	56	534	200	80	-	125	300	265	175	300	20	335	1305	475	355	235	970	350	300	200	18
NMS 100/20 CE	3	6,3	188	200	100	360	125	300	265	175	300	20	335	900	475	280	235	565	350	300	200	18
NMS 100/20 BE	4	8,5	197	200	100	360	125	300	265	175	300	20	335	900	475	280	235	565	350	300	200	18
NMS 100/20 AE	5,5	12,5	207	200	100	385	125	300	265	175	300	20	335	1000	475	280	235	665	350	300	200	18
NMS 100/25 BE	7,5	16	241	200	100	410	140	300	265	175	300	20	335	1020	475	280	235	685	350	300	200	18
NMS 100/25 AE	9,2	19	250	200	100	410	140	300	265	175	300	20	335	1070	475	280	235	735	350	300	200	18
NMS 100/315 CE	11	22,5	338	200	100	466	140	300	265	175	300	20	335	1200	475	315	235	865	350	300	200	18
NMS 100/315 BE	15	29	359	200	100	466	140	300	265	175	300	20	335	1200	475	315	235	865	350	300	200	18
NMS 100/315 AE	18,5	36,5	411	200	100	-	140	300	265	175	300	20	335	1215	475	315	235	880	350	300	200	18
NMS 100/400 CE	22	43	466	200	100	-	140	300	265	175	300	20	335	1215	475	355	235	920	350	300	200	18
NMS 100/400 BE	30	56	525	200	100	-	140	300	265	175	300	20	335	1255	475	355	235	980	350	300	200	18
NMS 100/400 AE	37	69	548	200	100	-	140	300	265	175	300	20	335	1255	475	355	235	980	350	300	200	18
NMS 125/25 BE	5,5	12,5	247	200	125	435	140	300	265	175	300	20	335	1020	475	355	235	685	350	300	200	18
NMS 125/25 DE	7,5	16	259	200	125	435	140	300	265	175	300	20	335	1020	475	355	235	685	350	300	200	18
NMS 125/25 CE	9,2	19	271	200	125	435	140	300	265	175	300	20	335	1070	475	355	235	735	350	300	200	18
NMS 125/250 BE	11	22,5	320	200	125	466	140	300	265	175	300	20	335	1200	475	355	235	865	350	300	200	18
NMS 125/250 AE	15	29	340	200	125	466	140	300	265	175	300	20	335	1200	475	355	235	865	350	300	200	18
NMS 125/315 CE	18,5	36,5	429	200	125	-	140	300	265	175	300	20	335	1215	475	355	235	880	350	300	200	18
NMS 125/315 BE	22	43	463	200	125	-	140	300	265	175	300	20	335	1215	475	355	235	920	350	300	200	18
NMS 125/315 AE	30	56	512	200	125	-	140	300	265	175	300	20	335	1255	475	355	235	980	350	300	200	18
NMS 125/400 CE	37	69	557	200	125	-	140	300	265	175	300	20	335	1255	475	400	235	980	350	300	200	18
NMS 125/400 BE	45	83	648	200	125	-	140	300	265	175	300	20	335	1380	475	400	235	1045	350	300	200	18
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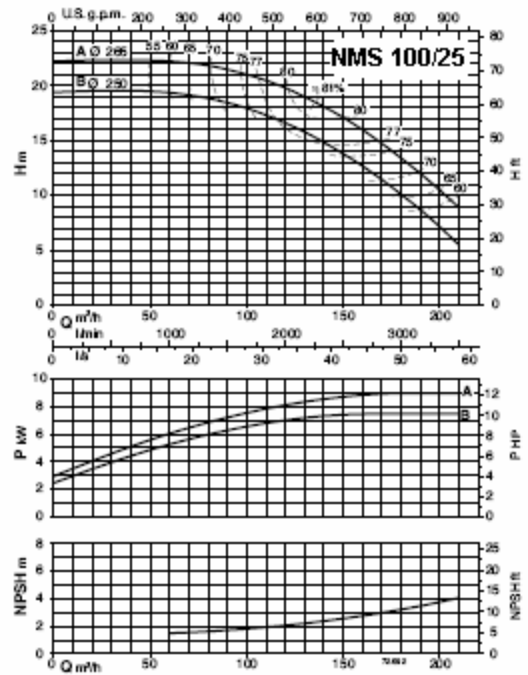
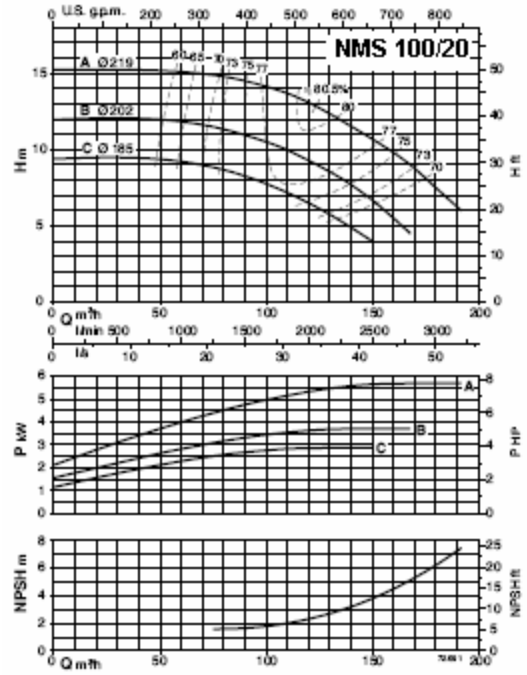
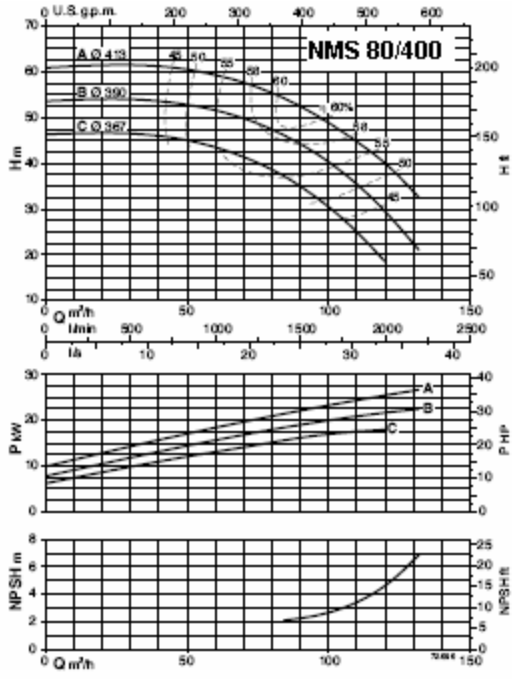


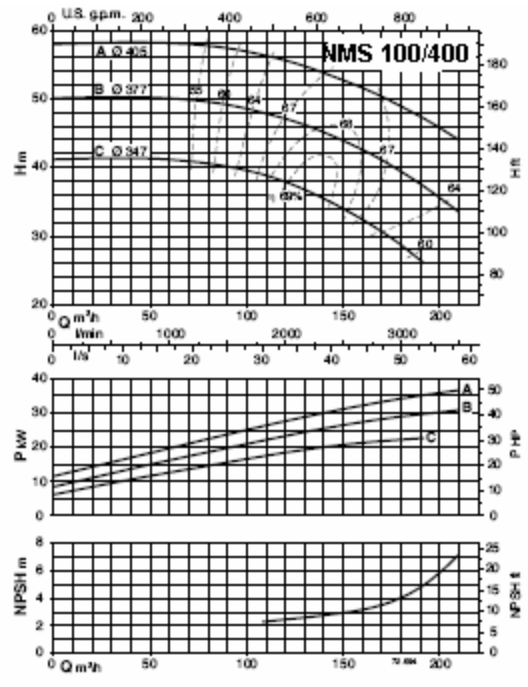
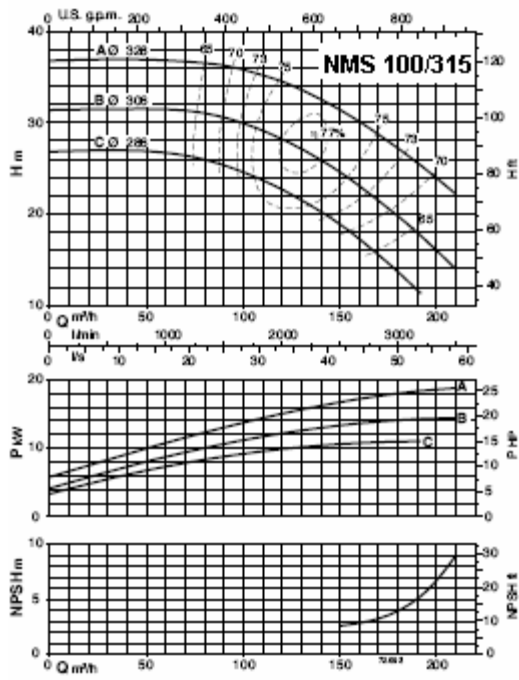


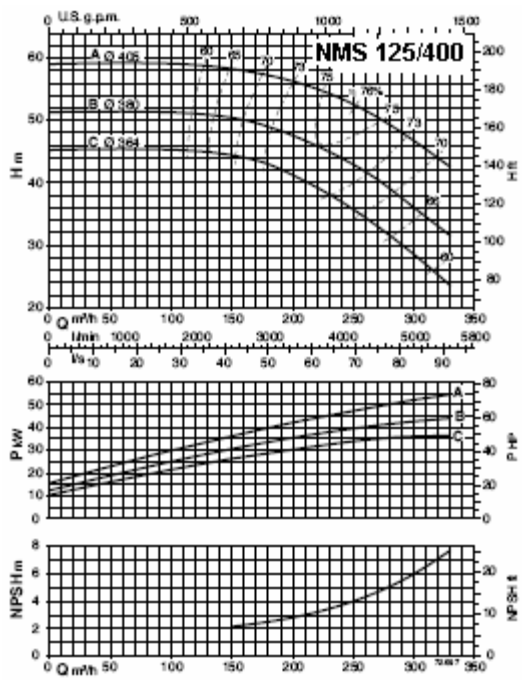
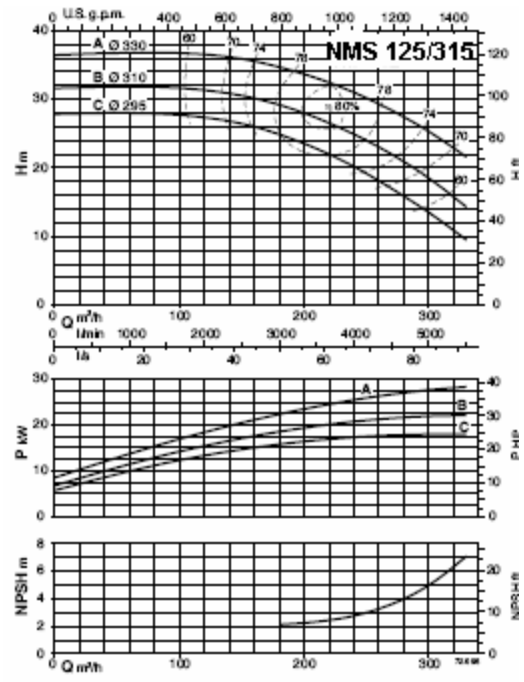
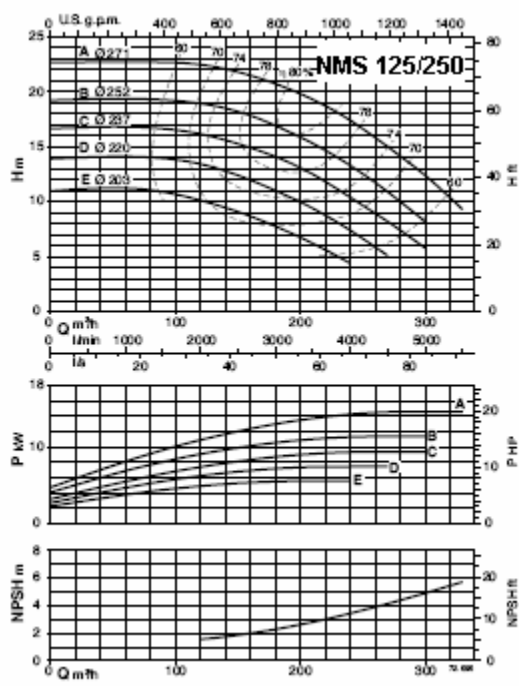


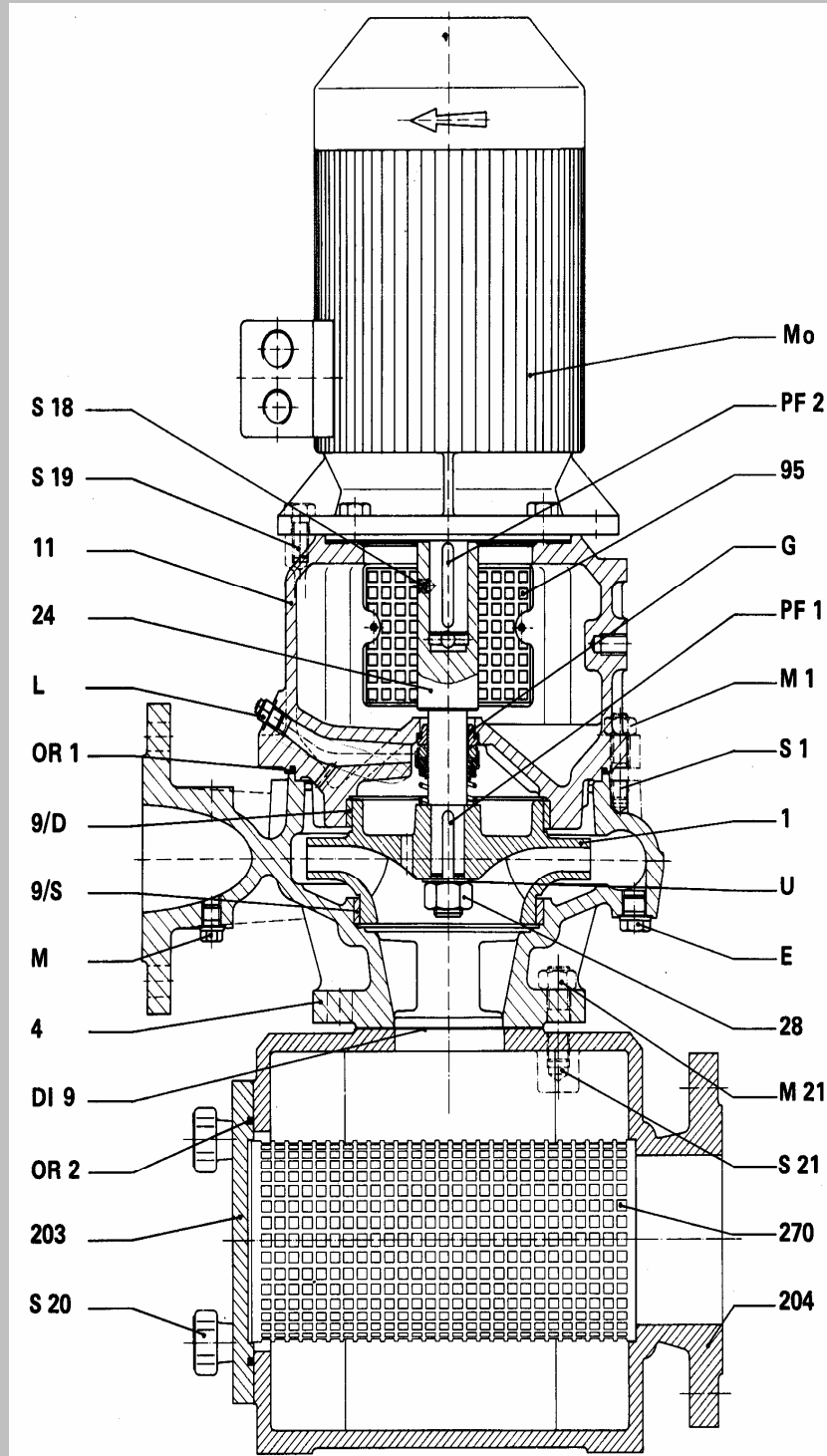












<b>1</b>	Impeller
<b>4</b>	pump casing
<b>9/D</b>	wear ring, drive side (upon request)
<b>9/S</b>	wear ring, suction side (upon request)
<b>11</b>	lantern
<b>24</b>	shaft
<b>28</b>	impeller nut
<b>95</b>	coupling guard
<b>203</b>	cover
<b>204</b>	strainer casing
<b>270</b>	suction strainer
<b>DI 9</b>	joint
<b>E</b>	drain plug
<b>G</b>	mechanical seal
<b>L</b>	air release
<b>M</b>	connection for pressure gauge
<b>M 1</b>	hexagonal nut
<b>M 21</b>	hexagonal nut
<b>Mo</b>	motor
<b>OR 1</b>	O-ring
<b>OR2</b>	O-ring
<b>PF 1</b>	impeller key
<b>PF 2</b>	motor key
<b>S 1</b>	stud bolt
<b>S 18</b>	stud bolt
<b>S 19</b>	hexagonal screw
<b>S 20</b>	screw cover
<b>S 21</b>	stud bolt
<b>U</b>	washer for impeller nut