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Endsuction Filter Blockpumps ITT VOGEL, Design LMS

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

Performance range: capacities up to 600 m³/h

Head: up to 39 m

Size: DN 40 to DN 150 (discharge branch), acc. DIN 2501

Temperature: max. 50 °C

Casing pressure: 4 bar

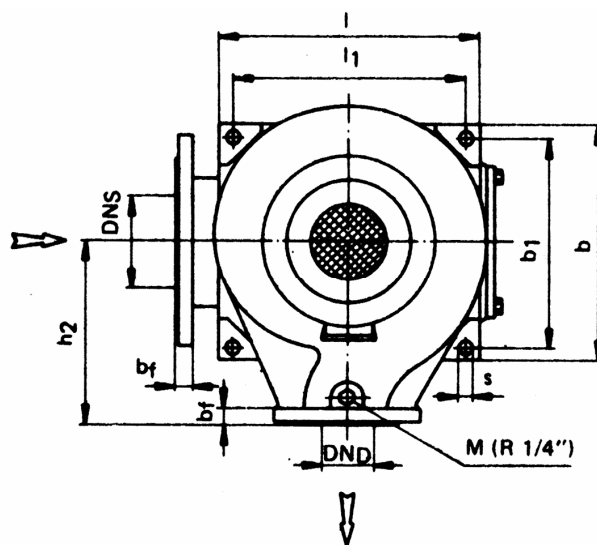
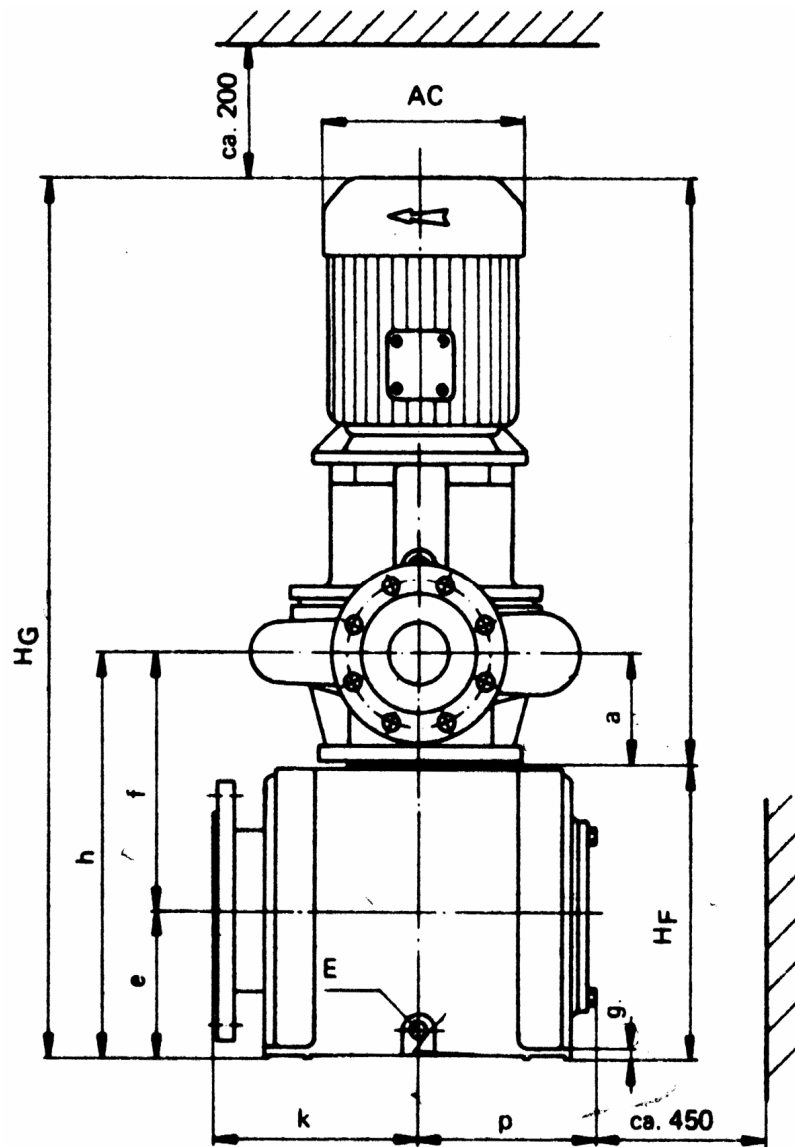
Application: Indoor or outdoor swimming pools, private or public thermal springs or therapeutic bathes, industrial water supply and circulation of cooling water.



LMS with endsuction filter INOX LMS with endsuction filter cast iron

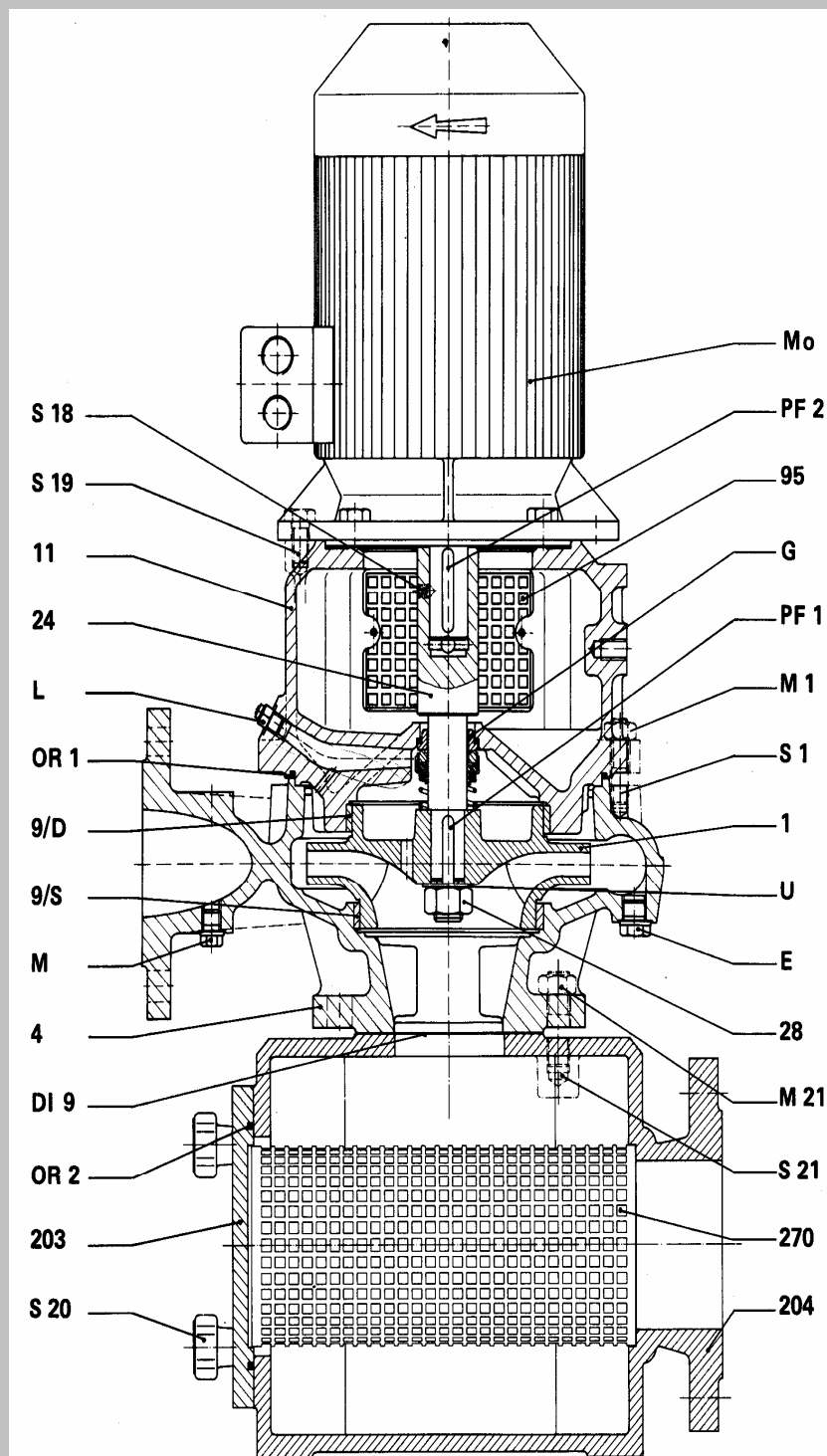
DESIGN:

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.

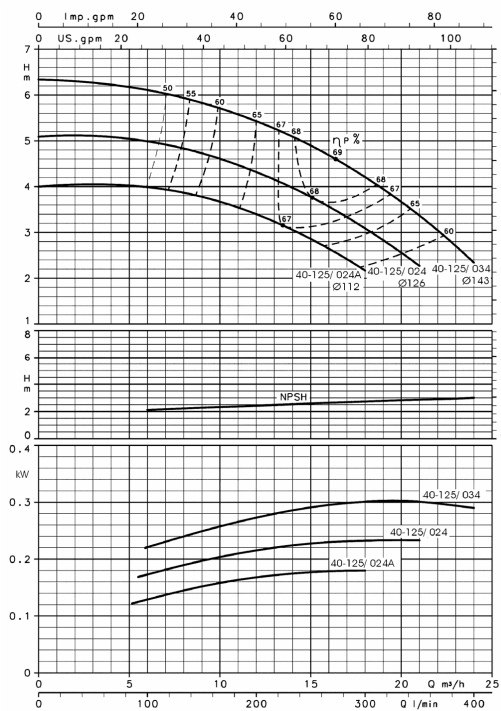


Type	Motor		weight kg	DN S	DN T	Pump dimensions																
	kW	A				AC	a	b	b ₁	e	f	g	H _F	H _G	h	h ₂	k	L	l	l ₁	p	s
40 LMS 125 U.VN 024A	0,25	0,77	71	100	40	158	80	240	214	128	205	15	253	664	333	140	200	411	280	240	200	14
40 LMS 125 U.VN 024	0,25	0,77	71	100	40	158	80	240	214	128	205	15	253	664	333	140	200	411	280	240	200	14
40 LMS 125 U.VN 034	0,37	1,15	71	100	40	158	80	240	214	128	205	15	253	664	333	140	200	411	280	240	200	14
40 LMS 160 U.VN 034	0,37	1,15	71	100	40	158	80	240	214	128	205	15	253	664	333	160	200	411	280	240	200	14
40 LMS 160 U.VN 054	0,55	1,45	74	100	40	158	80	240	214	128	205	15	253	696	333	160	200	443	280	240	200	14
40 LMS 200 U.VN 074	0,75	2,1	74	100	40	158	100	240	214	128	225	15	253	716	353	180	200	463	280	240	200	14
40 LMS 200 U.VN 114	1,1	2,7	88,5	100	40	178	100	240	214	128	225	15	253	734	353	180	200	481	280	240	200	14
40 LMS 250 U.VN 114	1,1	2,7	88,5	100	40	178	100	240	214	128	225	15	253	734	353	225	200	481	280	240	200	14
40 LMS 250 U.VN 154	1,5	3,5	109	100	40	178	100	240	214	128	225	15	253	734	353	225	200	481	280	240	200	14
40 LMS 250 U.VN 224	2,2	5,1	114	100	40	198	100	240	214	128	225	15	253	760	353	225	200	507	280	240	200	14
50 LMS 125 U.VN 034A	0,37	1,15	75	100	50	158	100	240	214	128	225	15	253	686	353	160	200	433	280	240	200	14
50 LMS 125 U.VN 034	0,37	1,15	75	100	50	158	100	240	214	128	225	15	253	686	353	160	200	433	280	240	200	14
50 LMS 125 U.VN 054	0,55	1,45	75	100	50	158	100	240	214	128	225	15	253	718	353	160	200	465	280	240	200	14
50 LMS 160 U.VN 074	0,75	2,1	75	100	50	158	100	240	214	128	225	15	253	718	353	180	200	465	280	240	200	14
50 LMS 160 U.VN 114	1,1	2,7	84	100	50	178	100	240	214	128	225	15	253	734	353	180	200	481	280	240	200	14
50 LMS 200 U.VN 114	1,1	2,7	84	100	50	178	100	240	214	128	225	15	253	734	353	200	200	481	280	240	200	14
50 LMS 200 U.VN 154	1,5	3,5	94	100	50	178	100	240	214	128	225	15	253	734	353	200	200	481	280	240	200	14
50 LMS 250 U.VN 224A	2,2	5,1	99	100	50	198	100	240	214	128	225	15	253	760	353	225	200	507	280	240	200	14
50 LMS 250 U.VN 224	2,2	5,1	99	100	50	198	100	240	214	128	225	15	253	760	353	225	200	507	280	240	200	14
50 LMS 250 U.VN 304	3,0	6,8	115	100	50	198	100	240	214	128	225	15	253	760	353	225	200	507	280	240	200	14
65 LMS 125 U.VN 054	0,55	1,45	82	125	65	158	100	240	214	128	225	15	253	718	353	180	200	465	280	240	200	14
65 LMS 125 U.VN 074	0,75	1,9	82	125	65	158	100	240	214	128	225	15	253	718	353	180	200	465	280	240	200	14
65 LMS 125 U.VN 114	1,1	2,55	89	125	65	178	100	240	214	128	225	15	253	734	353	180	200	481	280	240	200	14
65 LMS 160 U.NN 114	1,1	2,7	89	125	65	178	100	240	214	128	225	15	253	734	353	200	200	481	280	240	200	14
65 LMS 160 U.NN 154	1,5	3,5	92	125	65	178	100	240	214	128	225	15	253	734	353	200	200	481	280	240	200	14
65 LMS 160 U.NN 224	2,2	5,1	103	125	65	198	100	240	214	128	225	15	253	760	353	200	200	507	280	240	200	14
65 LMS 200 U.NN 154	1,5	3,5	92	125	65	178	100	240	214	128	225	15	253	734	353	225	200	481	280	240	200	14
65 LMS 200 U.NN 224	2,2	5,1	103	125	65	198	100	240	214	128	225	15	253	760	353	225	200	507	280	240	200	14
65 LMS 200 U.NN 304	3,0	6,8	106	125	65	198	100	240	214	128	225	15	253	760	353	225	200	507	280	240	200	14
65 LMS 250 U.NN 304	3,0	6,8	106	125	65	198	100	240	214	128	225	15	253	760	353	250	200	507	280	240	200	14
65 LMS 250 U.NN 404	4,0	8,6	138	125	65	221	100	240	214	128	225	15	253	783	353	250	200	530	280	240	200	14
65 LMS 250 U.NN 554	5,5	12,2	144	125	65	248	100	240	214	128	225	15	253	819	353	250	200	566	280	240	200	14
65 LMS 315 U.NN 754	7,5	15,1	177	125	65	248	125	240	214	128	250	15	253	978	378	280	200	725	280	240	200	14
65 LMS 315 U.NN 1104	11,0	22,5	208	125	65	310	125	240	214	128	250	15	253	1142	378	280	200	889	280	240	200	14

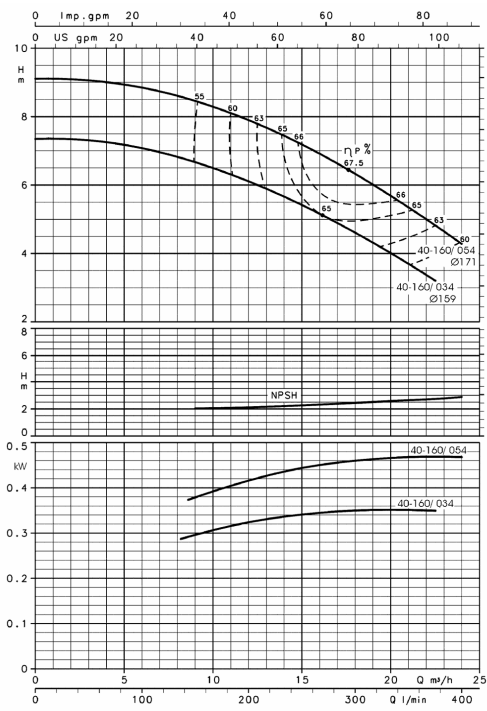
Type	Motor		weight kg	DN S	DN T	Pump dimensions																
	kW	A				AC	a	b	b ₁	e	f	g	H _f	H ₀	h	h ₂	k	L	l	l ₁	p	s
80 LMS 160 U.NN 154	1,5	2,5	118	150	80	178	125	300	265	175	285	20	335	841	460	225	235	506	350	300	200	18
80 LMS 160 U.NN 224	2,2	5,1	123	150	80	198	125	300	265	175	285	20	335	867	460	225	235	532	350	300	200	18
80 LMS 200 U.NN 304	3,0	6,48	135	150	80	198	125	300	265	175	285	20	335	867	460	250	235	532	350	300	200	18
80 LMS 200 U.NN 404	4,0	8,6	142	150	80	221	125	300	265	175	285	20	335	890	460	250	235	555	350	300	200	18
80 LMS 250 U.NN 404	4,0	8,6	142	150	80	221	125	300	265	175	285	20	335	890	460	280	235	555	350	300	200	18
80 LMS 250 U.NN 554	5,5	11,1	169	150	80	248	125	300	265	175	285	20	335	926	460	280	235	591	350	300	200	18
80 LMS 250 U.NN 754	7,5	14,8	179	150	80	248	125	300	265	175	285	20	335	964	460	280	235	629	350	300	200	18
80 LMS 315 U.NN 1104	11,0	22	231	150	80	310	125	300	265	175	285	20	335	1224	460	315	235	889	350	300	200	18
80 LMS 315 U.NN 1504	15,0	29	246	150	80	310	125	300	265	175	285	20	335	1224	460	315	235	889	350	300	200	18
100 LMS 160 U.NN 304	3,0		159	200	100	198	125	300	265	175	285	20	335	963	460	280	235	628	350	300	200	18
100 LMS 200 U.NN 404	4,0	8,09	151	200	100	221	125	300	265	175	285	20	335	986	460	280	235	651	350	300	200	18
100 LMS 200 U.NN 554	5,5	10,1	161	200	100	248	125	300	265	175	285	20	335	1022	460	280	235	687	350	300	200	18
100 LMS 250 U.NN 754	7,5	13,7	197	200	100	248	140	300	265	175	300	20	335	1075	475	280	235	740	350	300	200	18
100 LMS 250 U.NN 1104	11,0	20,1	228	200	100	310	140	300	265	175	300	20	335	1239	475	280	235	904	350	300	200	18
100 LMS 315 U.NN 1504	15,0	26,7	255	200	100	310	140	300	265	175	300	20	335	1239	475	315	235	904	350	300	200	18
100 LMS 315 U.NN1854	18,5	32,8	298	200	100	351	140	300	265	175	300	20	335	1239	475	315	235	904	350	300	200	18
100 LMS 315 U.NN 2204	22,0	38,7	313	200	100	351	140	300	265	175	300	20	335	1314	475	315	235	979	350	300	200	18
125 LMS 200 U.NN 554	5,5	10,1	191	200	125	248	140	300	265	175	300	20	335	1052	475	315	235	717	350	300	200	18
125 LMS 200 U.NN 754	7,5	13,7	201	200	125	248	140	300	265	175	300	20	335	1090	475	315	235	755	350	300	200	18
125 LMS 250 U.NN 1104	11,0	20,1	230	200	125	310	140	300	265	175	300	20	335	1239	475	355	235	904	350	300	200	18
125 LMS 250 U.NN 1504	15,0	26,7	245	200	125	310	140	300	265	175	300	20	335	1239	475	355	235	904	350	300	200	18
125 LMS 250 U.NN 1854	18,5	32,8	289	200	125	351	140	300	265	175	300	20	335	1239	475	355	235	904	350	300	200	18
125 LMS 315 U.NN 2204	22,0	38,7	349	200	125	351	140	300	265	175	300	20	335	1329	475	355	235	994	350	300	200	18
125 LMS 315 U.NN 3004	30,0	54	394	200	125	375	140	300	265	175	300	20	335	1329	475	355	235	994	350	300	200	18
150 LMS 250 U.NN 1504	15,0	29	292	250	150	310	160	390	350	220	450	20	510	1492	670	375	305	939	430	380	540	18
150 LMS 250 U.NN 1854	18,5	37	335	250	150	351	160	390	350	220	450	20	510	1492	670	375	305	939	430	380	540	18
150 LMS 250 U.NN 2204	22,0	42	350	250	150	351	160	390	350	220	450	20	510	1492	670	375	305	1014	430	380	540	18
150 LMS 250 U.NN 3004	30,0	56	395	250	150	375	160	390	350	220	450	20	510	1527	670	375	305	1014	430	380	540	18
150 LMS 315 U.NN 3004	30,0	56	413	250	150	375	160	390	350	220	450	20	510	1522	670	400	305	1014	430	380	540	18



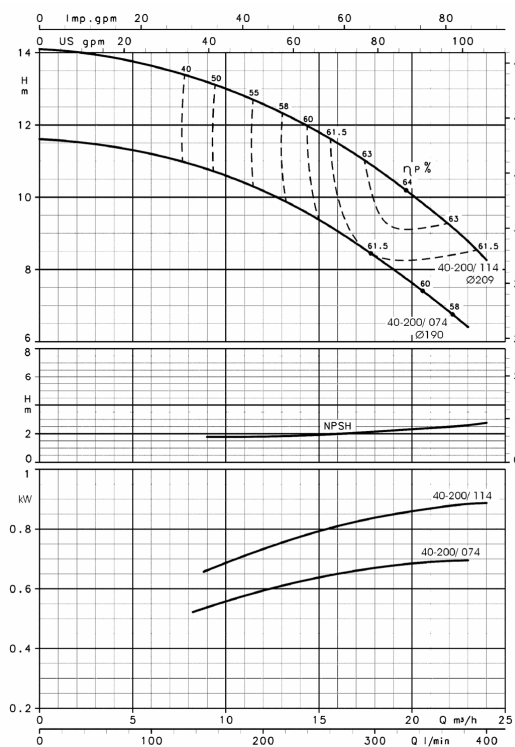
1	Impeller
4	pump casing
9/D	wear ring, drive side (upon request)
9/S	wear ring, suction side (upon request)
11	lantern
24	shaft
28	impeller nut
95	coupling guard
203	cover
204	strainer casing
270	suction strainer
DI 9	joint
E	drain plug
G	mechanical seal
L	air release
M	connection for pressure gauge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



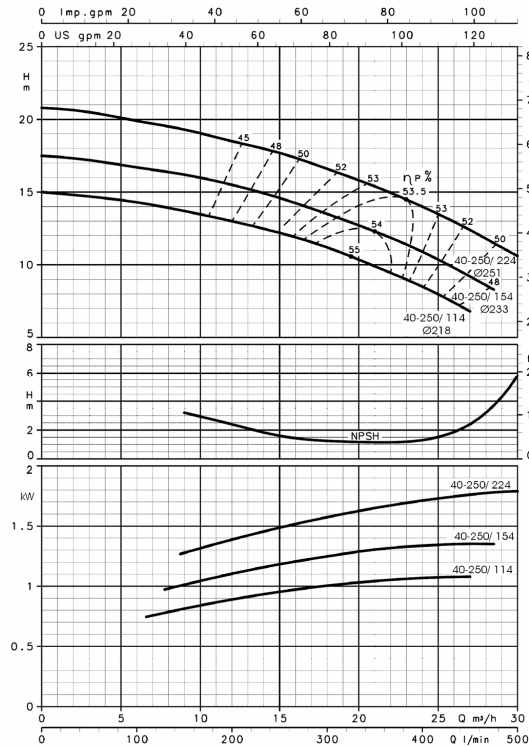
40 LMS 125/ 024 A (Ø 112)
40 LMS 125/ 024 (Ø 126)
40 LMS 125/ 034 (Ø 143)



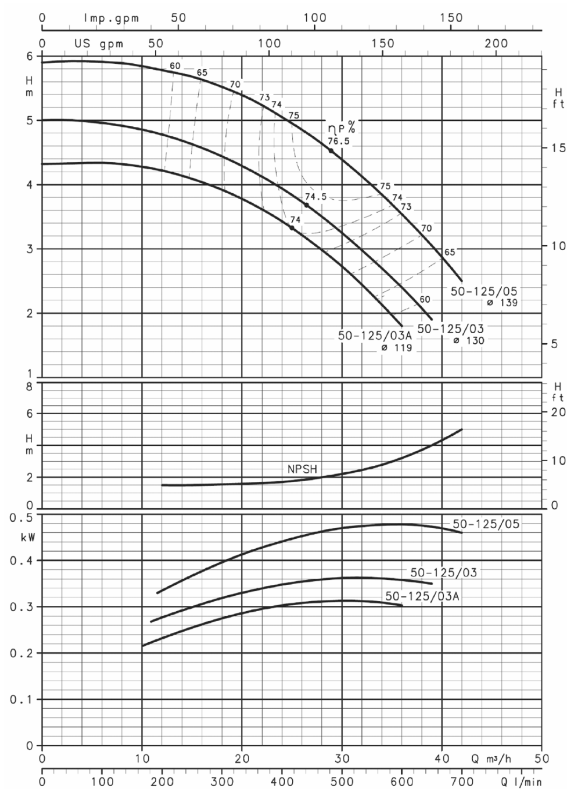
40 LMS 160/ 034 (Ø 159)
40 LMS 160/054 (Ø 171)



40 LMS 200/ 074 (Ø 190)
40 LMS 200/ 114 (Ø 114)



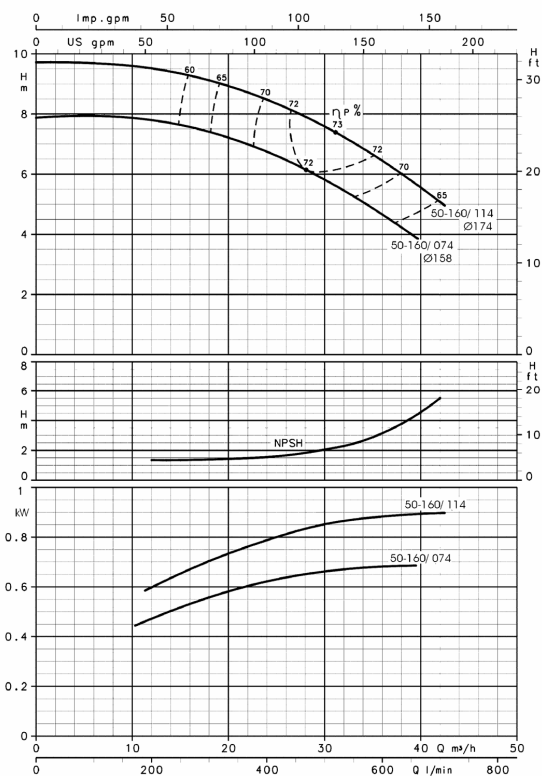
40 LMS 250/ 114 (Ø 218)
40 LMS 250/ 154 (Ø 233)
40 LMS 250/ 224 (Ø 251)



50 LMS 125/ 034A (Ø 119)

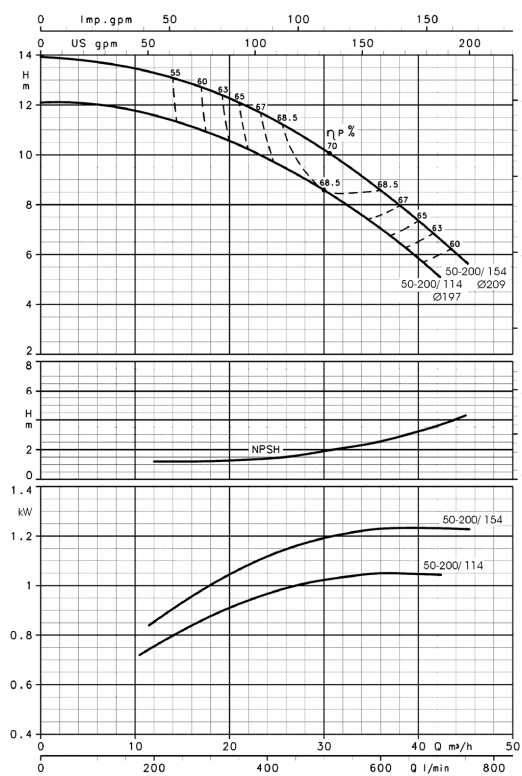
50 LMS 125/ 034 (Ø 130)

50 LMS 125/ 054 (Ø 139)

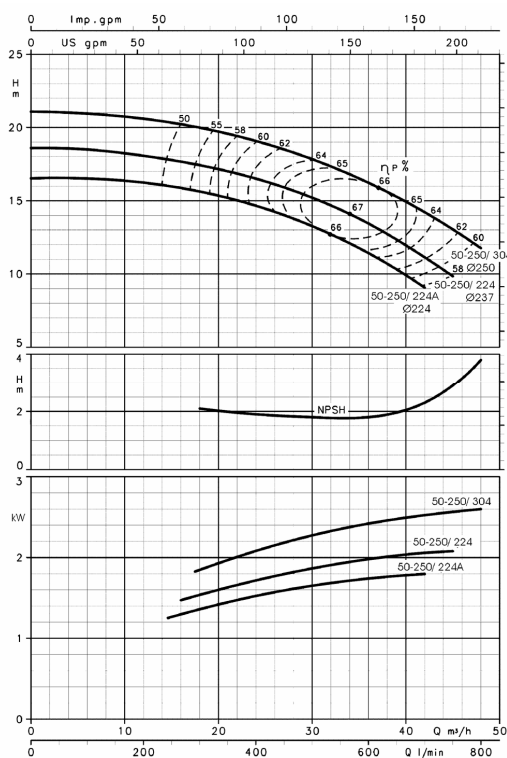


50 LMS 160/ 074 (Ø 158)

50 LMS 160/ 114 (Ø 174)

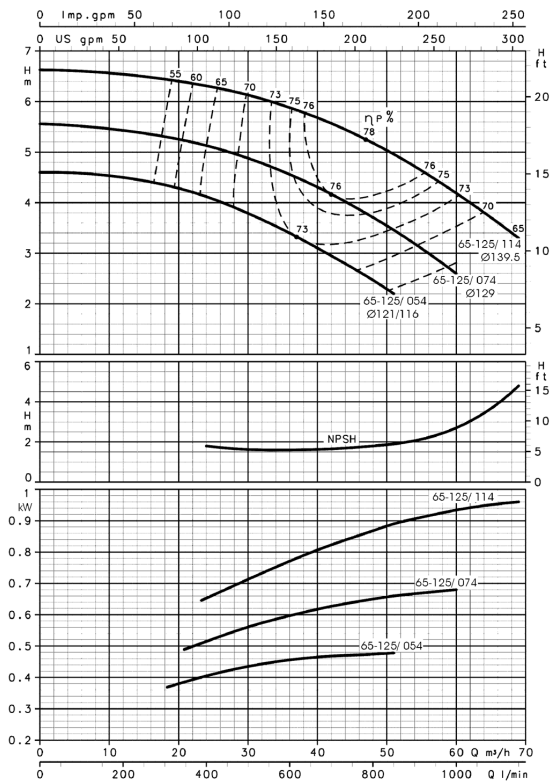


50 LMS 200/ 114 (Ø 197)



50 LMS 250/ 224A (Ø 224)

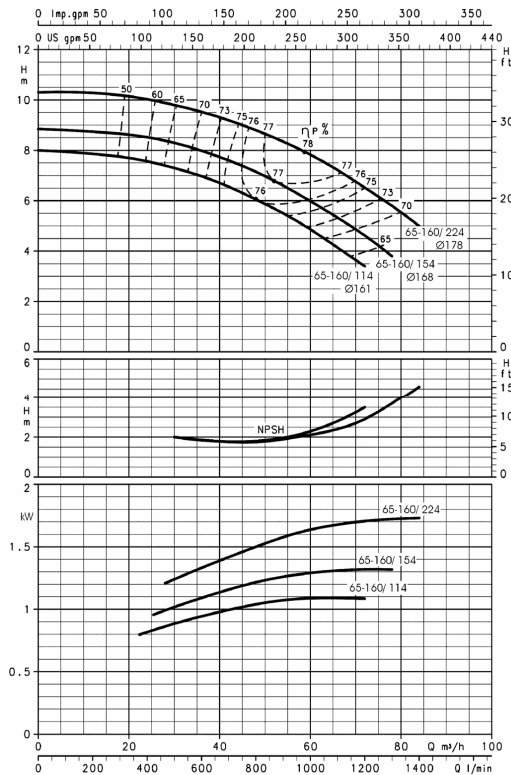
50 LMS 200/ 154 (Ø 209)



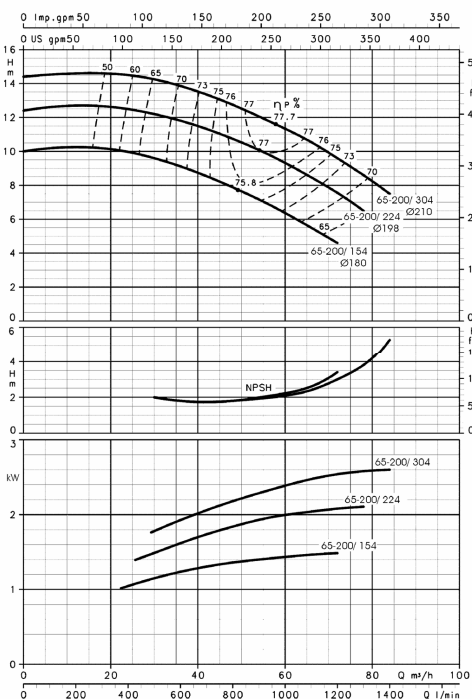
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50 LMS 250/ 224 (Ø 237)

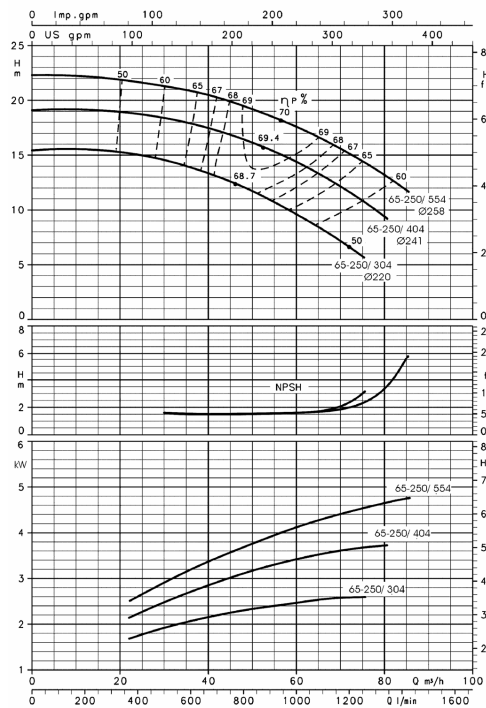
50 LMS 250/ 304 (Ø 250)



65 LMS 160/ 114 (Ø 161) 65 LMS 160/ 154 (Ø 168) 65 LMS 160/ 224 (Ø 178)

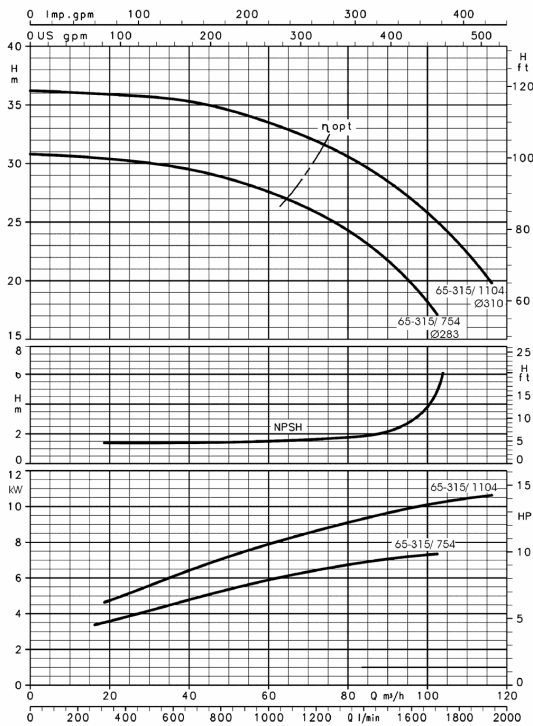


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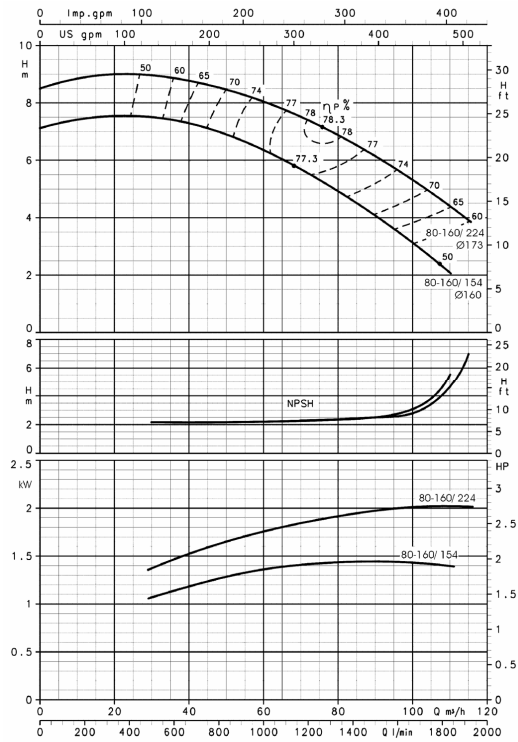
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**65 LMS 200/ 224 (Ø 198)
65 LMS 200/ 304 (Ø 210)**

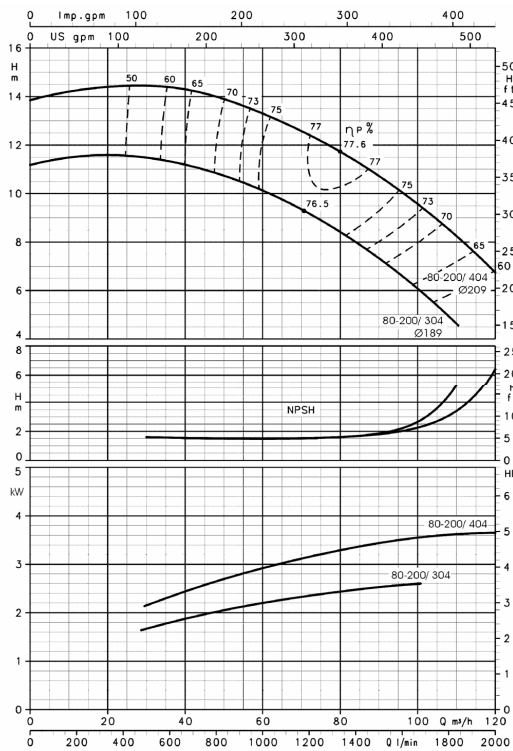


**65 LMS 315/ 754 (Ø 283)
65 LMS 315/ 1104 (Ø 310)**

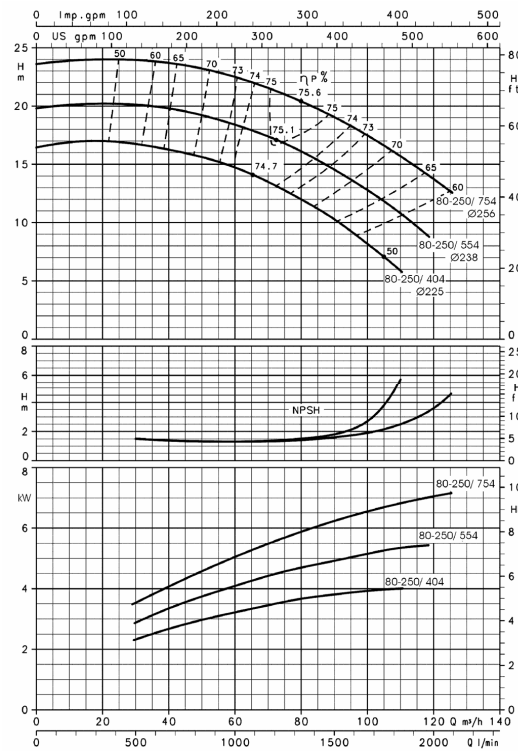
**65 LMS 250/ 404 (Ø 241)
65 LMS 250/ 554 (Ø 258)**



**80 LMS 160/ 154 (Ø 160)
80 LMS 160/ 224 (Ø 173)**

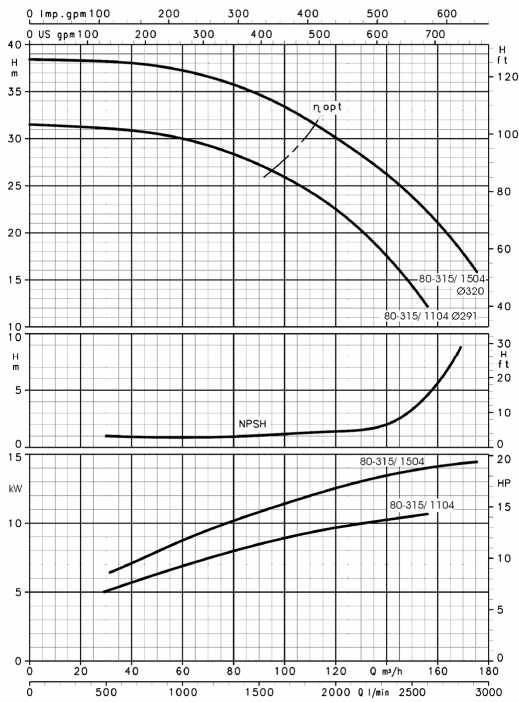


80 LMS 200/ 304 (Ø 189)



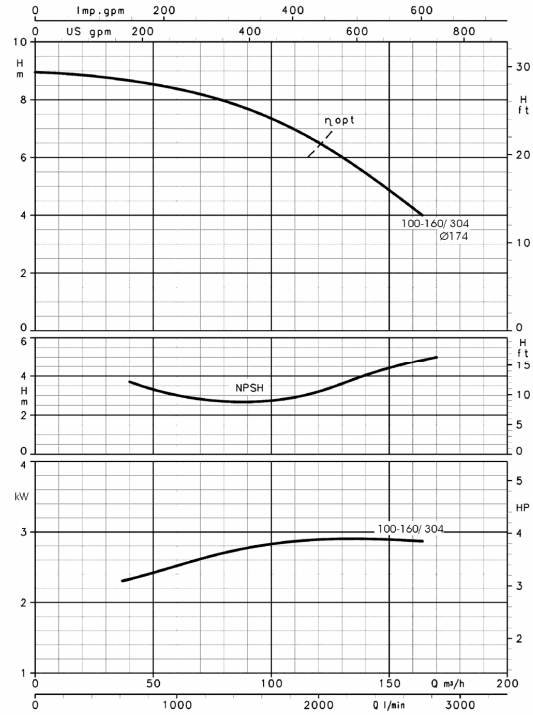
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80 LMS 200/ 404 (Ø 209)



80 LMS 250/ 554 (Ø 238)

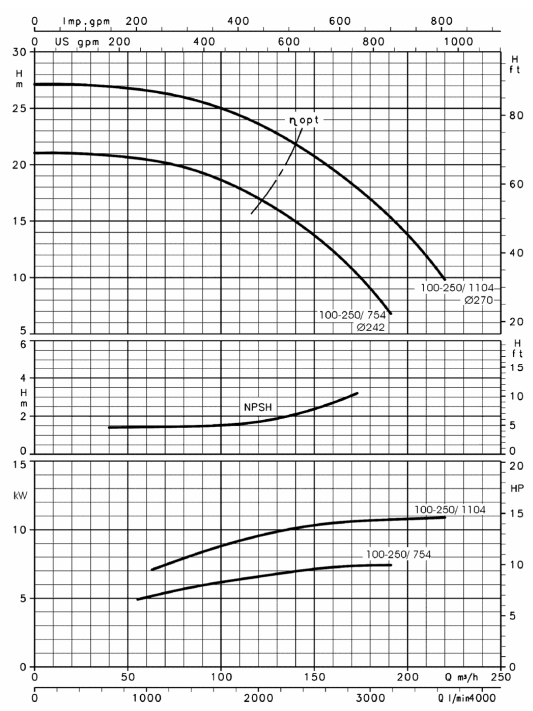
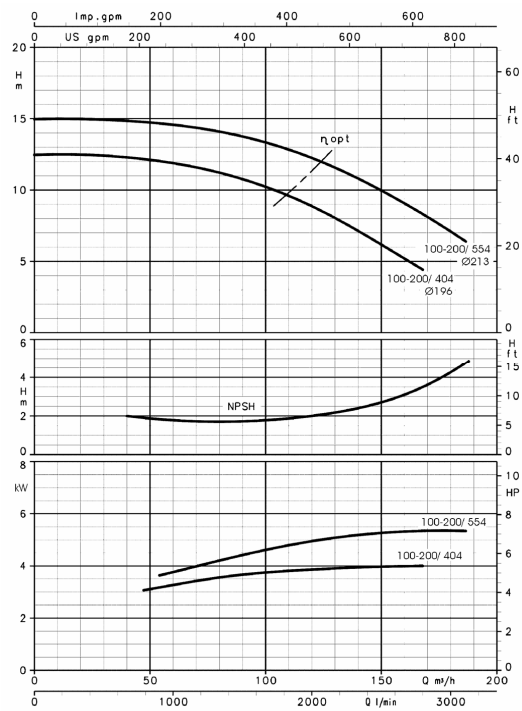
80 LMS 250/ 754 (Ø 256)



80 LMS 315/ 1104 (Ø 291)

80 LMS 315/ 1504 (Ø 320)

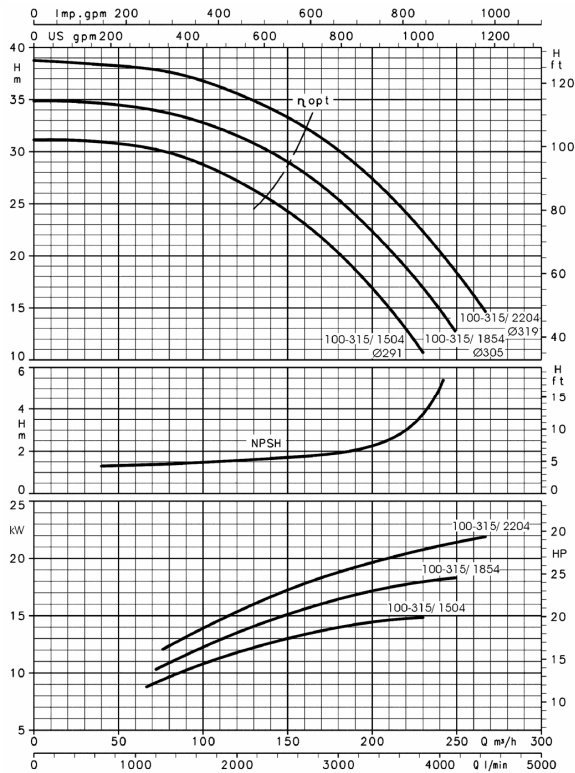
100 LMS 160/ 304 (Ø174)



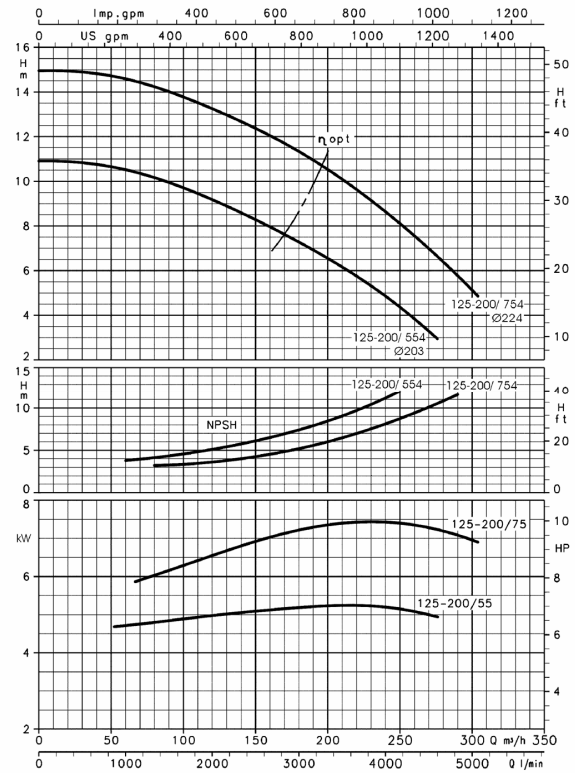
100 LMS 200/ 404 (Ø 196)

100 LMS 250/ 754 (Ø 242)

100 LMS 200/ 554 (Ø 213)



100 LMS 250/ 1104 (Ø 270)

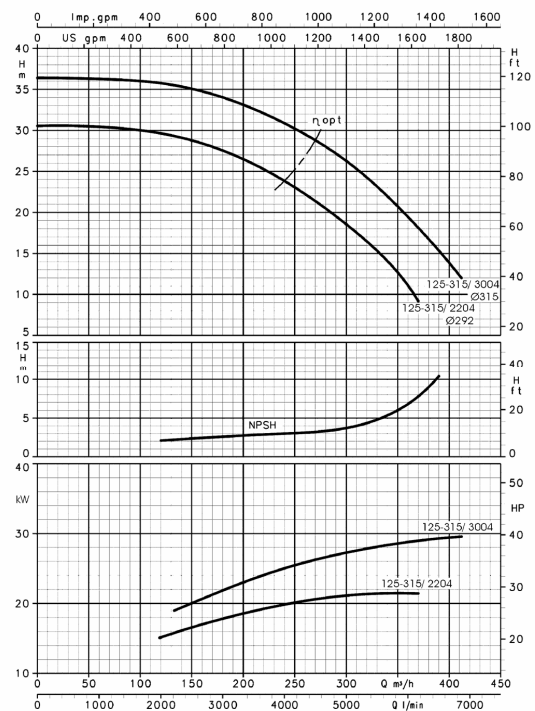
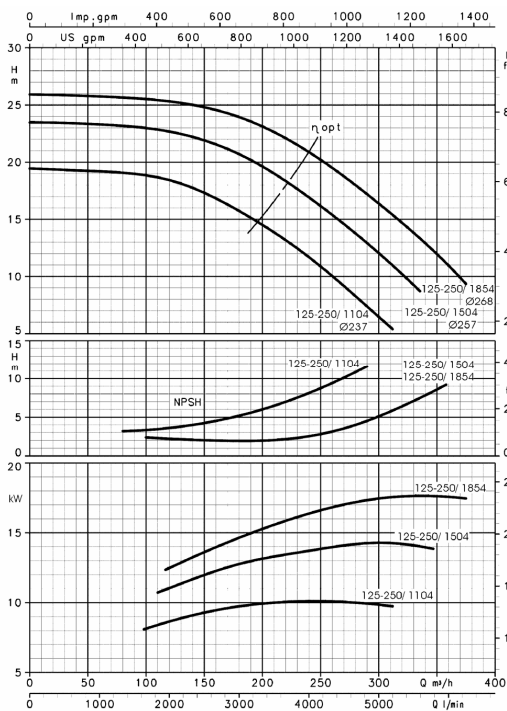


100 LMS 315/ 1504 (Ø 291)

100 LMS 315/ 1854 (Ø 305)

125 LMS 200/ 554 (Ø 203)

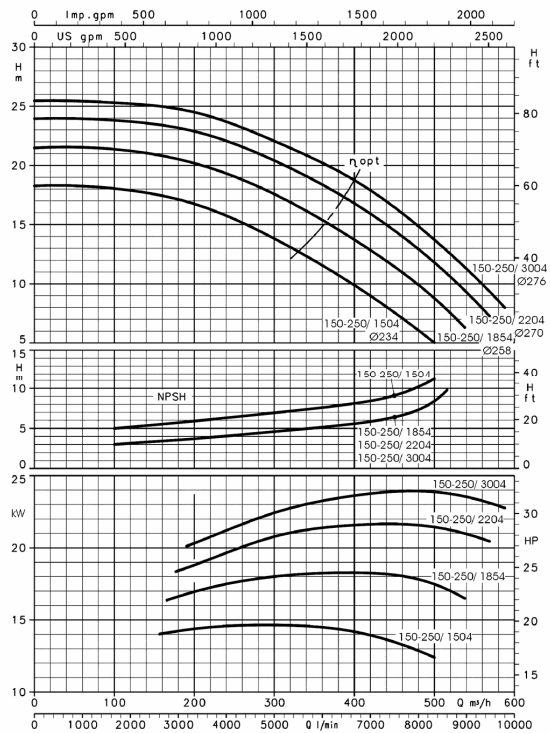
125 LMS 200/ 754 (Ø 224)



125 LMS 250/ 1104 (Ø 237)

125 LMS 250/ 1504 (Ø 257)

125 LMS 250/ 1854 (Ø 268)



150 LMS 250/ 1504 (Ø 234)

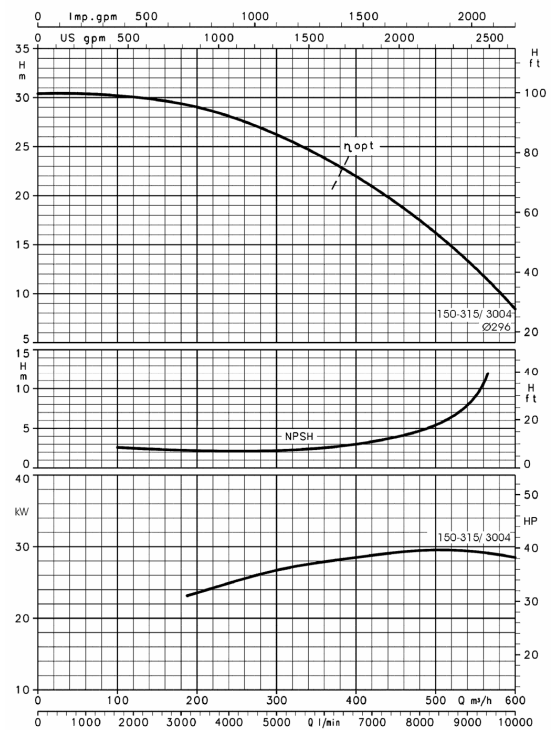
150 LMS 250/ 1854 (Ø 258)

150 LMS 250/ 2204 (Ø 270)

150 LMS 250/ 3004 (Ø 276)

125 LMS 315/ 2204 (Ø 292)

125 LMS 315/ 3004 (Ø 315)



150 LMS 315/ 3004 (Ø296)