

D、MD、DG、DF

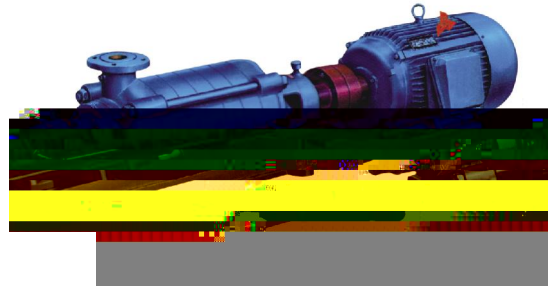
产品概述

D

CAD CFD

DG MD

DF

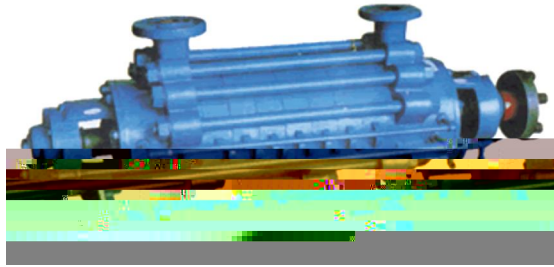


D、MD、DF

性能范围

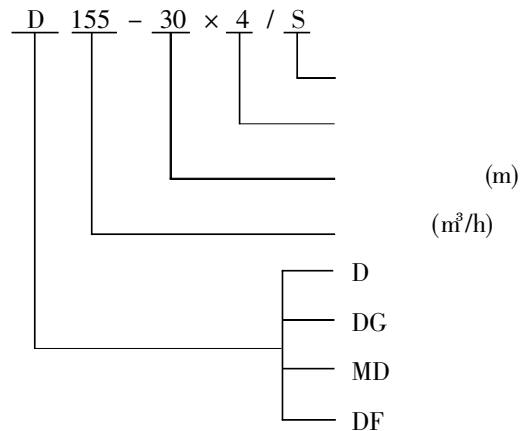
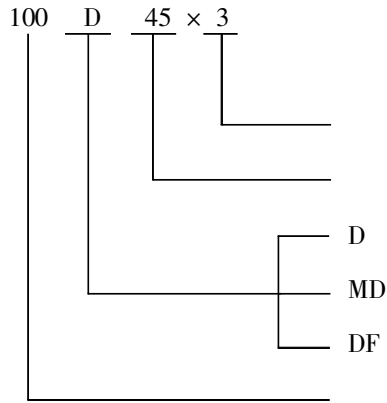
6.3-1450m³/h

17-1990m



DG

型号意义



结构说明

D、DG、MD、DF 等系列泵为卧式安装,吸入口水平(DG 垂直向上),排出口垂直向上。泵的吸入段、中段、吐出段用拉紧螺栓联结成一体。泵由吸入段、中段、吐出段、叶轮、轴、导叶、导叶套和平衡盘等主要零部件组成。转子的轴向力由平衡盘平衡,轴承采用滚动轴承,用润滑脂润滑。轴封采用填料密封或机械密封。在密封腔中通入有一定压力的水起水封作用。从驱动端方向看,泵为顺时针方向旋转。

主要用途

D

80℃

DG

104℃

MD

D

MD

1.5%(

0.5mm)

80℃

DF

-20℃-80℃

D、DG、MD、DF

Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)	Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)
		(m³/h)	(L/s)								(m³/h)	(L/s)					
D6-25 DG6-25 MD6-25 DF6-25	2	3.75	1.04	51	33	2950	4.0	2.0	D12-50 DG12-50 MD12-50 DF12-50	5	9	2.5	275	34.5	2950	30	2.0
		6.3	1.75	50	45			2.0									
		7.5	2.08	49	47			2.5									
	3	3.75	1.04	76.5	33		5.5	2.0									
		6.3	1.75	75	45			2.0									
		7.5	2.08	73.5	47			2.5									
	4	3.75	1.04	102	33		7.5	2.0									
		6.3	1.75	100	45			2.0									
		7.5	2.08	98	47			2.5									
	5	3.75	1.04	127.5	33		7.5	2.0									
		6.3	1.75	125	45			2.0									
		7.5	2.08	122.5	47			2.5									
6	3.75	1.04	153	33	11	2.0											
	6.3	1.75	150	45		2.0											
	7.5	2.08	147	47		2.5											
7	3.75	1.04	178.5	33	11	2.0											
	6.3	1.75	175	45		2.0											
	7.5	2.08	171.5	47		2.5											
8	3.75	1.04	204	33	15	2.0											
	6.3	1.75	200	45		2.0											
	7.5	2.08	196	47		2.5											
9	3.75	1.04	229.5	33	15	2.0											
	6.3	1.75	225	45		2.0											
	7.5	2.08	220.5	47		2.5											
10	3.75	1.04	255	33	18.5	2.0											
	6.3	1.75	250	45		2.0											
	7.5	2.08	245	47		2.5											
11	3.75	1.04	280.5	33	18.5	2.0											
	6.3	1.75	275	45		2.0											
	7.5	2.08	269.5	47		2.5											
12	3.75	1.04	306	33	18.5	2.0											
	6.3	1.75	300	45		2.0											
	7.5	2.08	294	47		2.5											
D12-25 DG12-25 MD12-25 DF12-25	2	7.5	2.08	56.4	44	2950	5.5	2.0	D25-30 DG25-30 MD25-30 DF25-30	2	15	4.17	68	50	2950	11	2.2
		12.5	3.47	50	54.1			2.0									
		15.0	4.17	46	53			2.5									
	3	7.5	2.08	84.6	44		7.5	2.0									
		12.5	3.47	75	54.1			2.0									
		15.0	4.17	69	53			2.5									
	4	7.5	2.08	112.8	44		11	2.0									
		12.5	3.47	100	54.1			2.0									
		15.0	4.17	92	53			2.5									
	5	7.5	2.08	141	44		11	2.0									
		12.5	3.47	125	54.1			2.0									
		15.0	4.17	115	53			2.5									
6	7.5	2.08	169.2	44	15	2.0											
	12.5	3.47	150	54.1		2.0											
	15.0	4.17	138	53		2.5											
7	7.5	2.08	197.4	44	15	2.0											
	12.5	3.47	175	54.1		2.0											
	15.0	4.17	161	53		2.5											
8	7.5	2.08	225.6	44	18.5	2.0											
	12.5	3.47	200	54.1		2.0											
	15.0	4.17	184	53		2.5											
9	7.5	2.08	253.8	44	18.5	2.0											
	12.5	3.47	225	54.1		2.0											
	15.0	4.17	207	53		2.5											
10	7.5	2.08	282	44	22	2.0											
	12.5	3.47	250	54.1		2.0											
	15.0	4.17	230	53		2.5											
11	7.5	2.08	310.2	44	22	2.0											
	12.5	3.47	275	54.1		2.0											
	15.0	4.17	253	53		2.5											
12	7.5	2.08	338.4	44	30	2.0											
	12.5	3.47	300	54.1		2.0											
	15.0	4.17	276	53		2.5											
D12-50 DG12-50 MD12-50 DF12-50	2	9	2.5	110	34.5	2950	11	2.0	D25-50 DG25-50 MD25-50 DF25-50	2	15	4.17	113	38	2950	18.5	2
		12.5	3.47	100	44.4			2.2									
		15	4.17	90	41			2.7									
	3	9	2.5	165	34.5		18.5	2.0									
		12.5	3.47	150	44.4			2.2									
		15	4.17	135	41			2.7									
	4	9	2.5	220	34.5		22	2.0									
		12.5	3.47	200	44.4			2.2									
		15	4.17	180	41			2.7									
	5	15	4.17	169	38		30	2.0									
		25	6.94	150	55.4			2.2									
		30	8.33	135	54			2.3									
6	15	4.17	224	38	30	2.0											
	25	6.94	200	55.4		2.2											
	30	8.33	180	54		2.3											
7	15	4.17	279	38	30	2.0											
	25	6.94	250	55.4		2.2											
	30	8.33	225	54		2.3											
8	15	4.17	334	38	30	2.0											
	25	6.94	300	55.4		2.2											
	30	8.33	270	54		2.3											
9	15	4.17	389	38	30	2.0											
	25	6.94	350	55.4		2.2											
	30	8.33	315	54		2.3											
10	15	4.17	444	38	30	2.0											
	25	6.94	400	55.4		2.2											
	30	8.33	360	54		2.3											
11	15	4.17	499	38	30	2.0											
	25	6.94	450	55.4		2.2											
	30	8.33	405	54		2.3											

D、DG、MD、DF

Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)	Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)																																															
		(m³/h)	(L/s)								(m³/h)	(L/s)																																																				
D25- 50	10	15	4.17	554	38	2950	75	2	D46- 80 DG46- 80 MD46- 80 DF46- 80	2950	45	3.9	4.0	5.5	3.9	4.0	5.5																																															
		25	6.94	500	55.4													2																																														
		30	8.33	450	54													2.3																																														
DG25- 50	11	15	4.17	609	38	2950	90	2										D46- 80 DG46- 80 MD46- 80 DF46- 80	2950	75	3.9	4.0	5.5	3.9	4.0	5.5																																						
25		6.94	550	55.4	2																																																											
30		8.33	495	54	2.3																																																											
MD25- 50	12	15	4.17	664	38	2950	90	2																			D46- 80 DG46- 80 MD46- 80 DF46- 80	2950	90	3.9	4.0	5.5	3.9	4.0	5.5																													
25		6.94	600	55.4	2																																																											
30		8.33	540	54	2.3																																																											
DF25- 50	2	30	8.33	68	64	2950	15	2.4																												D46- 60 DG46- 60 MD46- 60 DF46- 60	2950	132	4.0	4.6	3.9	4.0	5.5																					
46		12.78	60	70	3.0																																																											
55		15.28	54	68	4.6																																																											
D46- 30		3	30	8.33	102																																							64	2950	22	2.4	D46- 60 DG46- 60 MD46- 60 DF46- 60	2950	160	3.9	4.0	5.5	3.9	4.0	5.5								
			46	12.78	90																																							70													3.0							
			55	15.28	81																																							68													4.6							
DG46- 30		4	30	8.33	136																																							64		2950	30			2.4	D46- 60 DG46- 60 MD46- 60 DF46- 60	2950	160	3.9	4.0	5.5	3.9	4.0	5.5					
46			12.78	120	70																																							3.0																				
55			15.28	108	68																																							4.6																				
MD46- 30		5	30	8.33	170																																							64			2950			37			2.4	D46- 60 DG46- 60 MD46- 60 DF46- 60	2950	200	3.9	4.0	5.5	3.9	4.0	5.5		
46			12.78	150	70																																							3.0																				
55			15.28	135	68																																							4.6																				
DF46- 30	6	30	8.33	204	64	2950	37	2.4																												D46- 60 DG46- 60 MD46- 60 DF46- 60	2950	220	3.9	4.0	5.5	3.9	4.0	5.5																				
46		12.78	180	70	3.0																																																											
55		15.28	162	68	4.6																																																											
D46- 40		7	30	8.33	238																																								64			2950	45	2.4			D46- 60 DG46- 60 MD46- 60 DF46- 60			2950	250	3.9	4.0	5.5	3.9	4.0	5.5	
			46	12.78	210																																								70																			3.0
			55	15.28	189																																								68																			4.6
DG46- 40		8	30	8.33	274																																								64	2950			55	2.4	D46- 60 DG46- 60 MD46- 60 DF46- 60	2950					280	3.9	4.0	5.5	3.9	4.0	5.5	
46			12.78	240	70																																								3.0																			
55			15.28	216	68																																								4.6																			
MD46- 40		9	30	8.33	306				64	2950	55	2.4	D46- 60 DG46- 60 MD46- 60 DF46- 60	2950	300	3.9	4.0																												5.5		3.9		4.0	5.5														
46			12.78	270	70				3.0																																																							
55			15.28	243	68				4.6																																																							
DF46- 40	10	30	8.33	340	64	2950	75	2.4	D46- 60 DG46- 60 MD46- 60 DF46- 60		2950	350			3.9	4.0	5.5	3.9	4.0	5.5																																												
46		12.78	300	70	3.0																																																											
55		15.28	270	68	4.6																																																											
D46- 50		11	30	8.33	374																64	2950	90	2.4	D46- 60 DG46- 60 MD46- 60 DF46- 60	2950	400	3.9	4.0	5.5	3.9	4.0	5.5																															
			46	12.78	330																70													3.0																														
			55	15.28	297																68													4.6																														
DG46- 50		12	30	8.33	408																64		2950	90			2.4	D46- 60 DG46- 60 MD46- 60 DF46- 60	2950	450	3.9	4.0	5.5	3.9	4.0	5.5																												
46			12.78	360	70																3.0																																											
55			15.28	324	68																4.6																																											
MD46- 50		2	30	8.34	110					54			2950	30							2.5			D46- 85 DG46- 85 MD46- 85 DF46- 85			2950			132	4.6	3.2	3.9	4.0	5.5																													
46			12.78	100	64.2					2.8																																																						
55			15.3	92	64					3.2																																																						
D46- 60	3		30	8.34	166.5	54	2950	37	2.5	D46- 85 DG46- 85 MD46- 85 DF46- 85	2950	160			4.6	3.2	3.9	4.0	5.5																																													
46			12.78	150	64.2	2.8																																																										
55			15.3	138	64	3.2																																																										
DG46- 60	4		30	8.34	222	54		2950	45			2.5			D46- 85 DG46- 85 MD46- 85 DF46- 85	2950	180	4.6	3.2	3.9		4.0			5.5																																							
46			12.78	200	64.2	2.8																																																										
55			15.3	184	64	3.2																																																										
MD46- 60	5		30	8.34	277.5	54			2950			55					2.5	D46- 85 DG46- 85 MD46- 85 DF46- 85	2950	200		4.6	3.2		3.9	4.0		5.5																																				
46			12.78	250	64.2	2.8																																																										
55			15.3	230	64	3.2																																																										
DF46- 60	6	30	8.34	333	54	2950						75	2.5	D46- 85 DG46- 85 MD46- 85 DF46- 85			2950			220	4.6	3.2	3.9	4.0	5.5																																							
46		12.78	300	64.2	2.8																																																											
55		15.3	276	64	3.2																																																											
D46- 70		7	30	8.34	388.5		54			2950	75															2.5	D46- 85 DG46- 85 MD46- 85 DF46- 85	2950	250	4.6	3.2	3.9	4.0	5.5																														
			46	12.78	350		64.2																												2.8																													
			55	15.3	322		64																												3.2																													
DG46- 70		8	30	8.34	440		54	2950			90				2.5	D46- 85 DG46- 85 MD46- 85 DF46- 85										2950			280	4.6	3.2	3.9	4.0	5.5																														
46			12.78	400	64.2		2.8																																																									
55			15.3	368	64		3.2																																																									
MD46- 70		9	30	8.34	499.5		54		2950		110				2.5			D46- 85 DG46- 85 MD46- 85 DF46- 85	2950										300	4.6	3.2	3.9	4.0	5.5																														
46			12.78	450	64.2		2.8																																																									
55			15.3	414	64		3.2																																																									
DF46- 70	10	30	8.34	555	54	2950	110				2.5	D46- 85 DG46- 85 MD46- 85 DF46- 85	2950	350	4.6		3.2			3.9	4.0	5.5																																										
46		12.78	500	64.2	2.8																																																											
55		15.3	460	64	3.2																																																											
D46- 80		11	30	8.34	610.5					54													2950	132	2.5		D46- 85 DG46- 85 MD46- 85 DF46- 85	2950	400	4.6	3.2	3.9	4.0	5.5																														
			46	12.78	550					64.2																									2.8																													
			55	15.3	506					64																									3.2																													
DG46- 80		12	30	8.34	666			54		2950						132								2.5	D46- 85 DG46- 85 MD46- 85 DF46- 85	2950			450	4.6	3.2	3.9	4.0	5.5																														
46			12.78	600	64.2			2.8																																																								
55			15.3	552	64			3.2																																																								

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Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)	Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)	
		(m³/h)	(L/s)								(m³/h)	(L/s)						
D85-67 DG85-67 MD85-67 DF85-67	2	55	15.28	148	54	2950	75	3.3	MD100-145 D100-145 DG100-145 DF100-145	3	80	22.2	462	66	2950	220	3.8	
		85	23.61	134	69						100	27.8	435	68				4.2
		100	27.78	122	65						120	33.3	414	65				5.3
	3	55	15.28	222	54		90	3.3			4	80	22.2	616		66	315	3.8
		85	23.61	201	69			100				27.8	580	68		4.2		
		100	27.78	183	65			120				33.3	552	65		5.3		
	4	55	15.28	296	54		110	3.3			5	80	22.2	770		66	355	3.8
		85	23.61	268	69			100				27.8	725	68		4.2		
		100	27.78	244	65			120				33.3	690	65		5.3		
	5	55	15.28	370	54		132	3.3			6	80	22.2	924		66	450	3.8
85		23.61	335	69	100	27.8		870	68	4.2								
100		27.78	305	65	120	33.3		828	65	5.3								
6	55	15.28	444	54	160	3.3	7	80	22.2	1078	66	500	3.8					
	85	23.61	402	69		100		27.8	1015	68	4.2							
	100	27.78	366	65		120		33.3	966	65	5.3							
7	55	15.28	518	54	200	3.3	8	80	22.2	1232	66	630	3.8					
	85	23.61	469	69		100		27.8	1160	68	4.2							
	100	27.78	427	65		120		33.3	1104	65	5.3							
8	55	15.28	592	54	220	3.3	9	80	22.2	1386	66	710	3.8					
	85	23.61	536	69		100		27.8	1305	68	4.2							
	100	27.78	488	65		120		33.3	1242	65	5.3							
9	55	15.28	666	54	250	3.3	10	80	22.2	1540	66	710	3.8					
	85	23.61	603	69		100		27.8	1450	68	4.2							
	100	27.78	549	65		120		33.3	1380	65	5.3							
10	55	15.28	740	54	315	3.3	11	80	22.2	1694	66	800	3.8					
	85	23.61	670	69		100		27.8	1595	68	4.2							
	100	27.78	610	65		120		33.3	1518	65	5.3							
D85-80 DG85-80 MD85-80 DF85-80	2	54	15.0	176	53	2950	75	4.2	MD110-20 D110-20 DG110-20 DF110-20	2	75	20.8	44	77.5	2950	22	3.6	
		85	23.6	160	67						110	30.6	40	36				77.5
		108	30.0	140	66						132	36.7	36	77.5				
	3	54	15.0	264	53		110	4.2			3	75	20.8	66		77.5	30	3.6
		85	23.6	240	67			110				30.6	60	77.5				
		108	30.0	210	66			132				36.7	54	77.5				
	4	54	15.0	352	53		132	4.2			4	75	20.8	88		77.5	37	3.6
		85	23.6	320	67			110				30.6	80	77.5				
		108	30.0	280	66			132				36.7	72	77.5				
	5	54	15.0	440	53		160	4.2			5	75	20.8	110		77.5	45	3.6
		85	23.6	400	67			110				30.6	100	77.5				
		108	30.0	350	66			132				36.7	90	77.5				
6	54	15.0	528	53	200	4.2	6	75	20.8	132	77.5	55	3.6					
	85	23.6	480	67		110		30.6	120	77.5								
	108	30.0	420	66		132		36.7	108	77.5								
7	54	15.0	616	53	250	4.2	7	75	20.8	154	77.5	75	3.6					
	85	23.6	560	67		110		30.6	140	77.5								
	108	30.0	490	66		132		36.7	126	77.5								
8	54	15.0	704	53	280	4.2	8	75	20.8	176	77.5	75	3.6					
	85	23.6	640	67		110		30.6	160	77.5								
	108	30.0	560	66		132		36.7	144	77.5								
9	54	15.0	792	53	355	4.2	9	75	20.8	198	77.5	90	3.6					
	85	23.6	720	67		110		30.6	180	77.5								
	108	30.0	630	66		132		36.7	162	77.5								
10	54	15.0	880	53	355	4.2	2	96	26.7	110	73	55	3.2					
	85	23.6	800	67		120		33.3	100	75.1	5.1							
	108	30.0	700	66		140		38.9	84.6	67.5								
11	54	15.0	968	53	400	4.2	3	96	26.7	165	73	90	3.2					
	85	23.6	880	67		120		33.3	150	75.1	5.1							
	108	30.0	770	66		140		38.9	126.9	67.5								
12	54	15.0	1056	53	400	4.2	4	96	26.7	220	73	110	3.2					
	85	23.6	960	67		120		33.3	200	75.1	5.1							
	108	30.0	840	66		140		38.9	169.2	67.5								
D100-50 DG100-50 MD100-50 DF100-50	2	70	19.4	109	68	1480	55	3.5	D120-50 DG120-50 MD120-50 DF120-50	5	96	26.7	275	73	2950	132	3.2	
		100	27.8	100	73.5						120	33.3	250	75.1				5.1
		120	33.3	90	71						140	38.9	211.5	67.5				
	3	70	19.4	163.5	68		75	3.5			6	96	26.7	330		73	160	3.2
		100	27.8	150	73.5			120				33.3	300	75.1		5.1		
		120	33.3	136.5	71			140				38.9	253.8	67.5				
	4	70	19.4	218	68		90	3.5			7	96	26.7	385		73	200	3.2
		100	27.8	200	73.5			120				33.3	350	75.1		5.1		
		120	33.3	180	71			140				38.9	296.1	67.5				
	5	70	19.4	272.5	68		110	3.5			8	96	26.7	440		73	200	3.2
		100	27.8	250	73.5			120				33.3	400	75.1		5.1		
		120	33.3	227.5	71			140				38.9	378.4	67.5				
6	70	19.4	327	68	132	3.5	9	96	26.7	495	73	220	3.2					
	100	27.8	300	73.5		120		33.3	450	75.1	5.1							
	120	33.3	273	71		140		38.9	380.7	67.5								
7	70	19.4	381.5	68	160	3.5	2	120	33.3	550	73	55	3.2					
	100	27.8	350	73.5		120		33.3	500	75.1	5.1							
	120	33.3	318.5	71		140		38.9	450	67.5								
8	70	19.4	436	68	185	3.5	3	120	33.3	600	73	90	3.2					
	100	27.8	400	73.5		120		33.3	550	75.1	5.1							
	120	33.3	364	71		140		38.9	500	67.5								
9	70	19.4	490.5	68	200	3.5	4	120	33.3	650	73	110	3.2					
	100	27.8	450	73.5		120		33.3	600	75.1	5.1							
	120	33.3	409.5	71		140		38.9	550	67.5								

D、DG、MD、DF

Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)	Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)
		(m³/h)	(L/s)								(m³/h)	(L/s)					
MD150-100 D150-100 DF150-100	2	95	26.4	210	63	2950	132	3.4	MD200-50 D200-50 DF200-50	2	140	55.6	109	69	1450	132	4.5
		150	41.7	197	71.2			100			77.9		5.7				
		180	50.0	171	67			91			75		6.0				
	3	95	26.4	315	63		200	3.4									
		150	41.7	295.5	71.2		200	4.8									
		180	50.0	256.5	67		200	5.5									
	4	95	26.4	420	63		280	3.4									
		150	41.7	394	71.2		280	4.8									
		180	50.0	342	67		280	5.5									
	5	95	26.4	525	63		355	3.4									
150		41.7	492.5	71.2	355	4.8											
180		50.0	427.5	67	355	5.5											
6	95	26.4	630	63	400	3.4											
	150	41.7	591	71.2	400	4.8											
	180	50.0	513	67	400	5.5											
7	95	26.4	735	63	500	3.4											
	150	41.7	689.5	71.2	500	4.8											
	180	50.0	598.5	67	500	5.5											
8	95	26.4	840	63	560	3.4											
	150	41.7	788	71.2	560	4.8											
	180	50.0	684	67	560	5.5											
9	95	26.4	945	63	630	3.4											
	150	41.7	886.5	71.2	630	4.8											
	180	50.0	769.5	67	630	5.5											
10	95	26.4	1050	63	710	3.4											
	150	41.7	985	71.2	710	4.8											
	180	50.0	855	67	710	5.5											
D155-30 DG155-30 MD155-30 DF155-30 (150D30)	2	100	27.8	65	64	1480	45	3.2	D216-25 MD216-25 DF216-25	2	150	55.6	59	72	1480	45	3.0
		155	43	60	75			216			60		50	78.2			3.4
		185	51.4	55	75			260			72.2		45	75			4.5
	3	100	27.8	97.5	64		75	3.2									
		155	43	90	75		75	3.9									
		185	51.4	82.5	75		75	4.8									
	4	100	27.8	130	64		90	3.2									
		155	43	120	75		90	3.9									
		185	51.4	110	75		90	4.8									
	5	100	27.8	162.5	64		110	3.2									
		155	43	150	75		110	3.9									
		185	51.4	137.5	75		110	4.8									
6	100	27.8	195	64	132	3.2											
	155	43	180	75	132	3.9											
	185	51.4	165	75	132	4.8											
7	100	27.8	227.5	64	160	3.2											
	155	43	210	75	160	3.9											
	185	51.4	192.5	75	160	4.8											
8	100	27.8	260	64	200	3.2											
	155	43	240	75	200	3.9											
	185	51.4	220	75	200	4.8											
9	100	27.8	292.5	64	200	3.2											
	155	43	270	75	200	3.9											
	185	51.4	247.5	75	200	4.8											
10	100	27.8	325	64	220	3.2											
	155	43	300	75	220	3.9											
	185	51.4	275	75	220	4.8											
11	100	27.8	357.5	64	250	3.2											
	155	43	330	75	250	3.9											
	185	51.4	302.5	75	250	4.8											
12	100	27.8	390	64	280	3.2											
	155	43	360	75	280	3.9											
	185	51.4	330	75	280	4.8											
D155-67 MD155-67 DF155-67 DG155-67	2	100	27.8	152	64	2950	90	3.2	D280-43 MD280-43 DF280-43 200D43	2	185	51.39	94	69	1480	110	3.0
		155	43	134	75			280			77.78		86	77.7			4.7
		185	51.4	118	72			335			93.06		76	75			6.0
	3	100	27.8	228	64		132	3.2									
		155	43	201	75		132	5.0									
		185	51.4	177	72		132	6.6									
	4	100	27.8	304	64		200	3.2									
		155	43	268	75		200	5.0									
		185	51.4	236	72		200	6.6									
	5	100	27.8	380	64		220	3.2									
155		43	335	75	220	5.0											
185		51.4	295	72	220	6.6											
6	100	27.8	465	64	280	3.2											
	155	43	402	75	280	5.0											
	185	51.4	354	72	280	6.6											
7	100	27.8	532	64	315	3.2											
	155	43	469	75	315	5.0											
	185	51.4	413	72	315	6.6											
8	100	27.8	608	64	355	3.2											
	155	43	536	75	355	5.0											
	185	51.4	472	72	355	6.6											
9	100	27.8	684	64	450	3.2											
	155	43	603	75	450	5.0											
	185	51.4	531	72	450	6.6											
10	100	27.8	760	64	500	3.2											
	155	43	670	75	500	5.0											
	185	51.4	590	72	500	6.6											

D、DG、MD、DF

Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)	Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)
		(m³/h)	(L/s)								(m³/h)	(L/s)					
D280- 65 MD280- 65 DF280- 65 (200D65)	2	210	58.33	139.4	64	1480	200	2.2	D360- 40 MD360- 40 DF360- 40	2	300	83.3	84	77	1480	132	4.65
		280	77.78	132.5	73.9			360			100	80	80.4	4.7			
		340	94.44	122.8	71			440			122.2	71	77	5.4			
	3	210	58.33	209.1	64		2.2										
		280	77.78	198.75	73.9		3.35										
		340	94.44	184.2	71		4.3										
	4	210	58.33	278.8	64		2.2										
		280	77.78	265	73.9		3.35										
		340	94.44	245.6	71		4.3										
	5	210	58.33	384.5	64		2.2										
		280	77.78	331.25	73.9		3.35										
340		94.44	307	71	4.3												
6	210	58.33	418.5	64	2.2												
	280	77.78	397.5	73.9	3.35												
	340	94.44	368.4	71	4.3												
7	210	58.33	487.5	64	2.2												
	280	77.78	463.75	73.9	3.35												
	340	94.44	429.8	71	4.3												
8	210	58.33	557.6	64	2.2												
	280	77.78	530	73.9	3.35												
	340	94.44	491.2	71	4.3												
9	210	58.33	627.3	64	2.2												
	280	77.78	596.25	73.9	3.35												
	340	94.44	552.6	71	4.3												
10	210	58.33	697	64	2.2												
	280	77.78	662.5	73.9	3.35												
	340	94.44	614	71	4.3												
11	210	58.33	766.7	64	2.2												
	280	77.78	728.8	73.9	3.35												
	340	94.44	675.4	71	4.3												
D280- 100 MD280- 100 DF280- 100	2	250	69.4	210	74	2950	250	5.1	D300- 150 MD300- 150 DF300- 150	2	240	66.67	328	74	2950	450	5.0
		280	77.8	200	77			300			83.33	316	76	6.0			
		300	83.3	196	77			360			100	296	78	7.0			
	3	250	69.4	315	74		5.1										
		280	77.8	300	77		5.6										
		300	83.3	294	77		5.9										
	4	250	69.4	420	74		5.1										
		280	77.8	400	77		5.6										
		300	83.3	392	77		5.9										
	5	250	69.4	525	74		5.1										
		280	77.8	500	77		5.6										
300		83.3	490	77	5.9												
6	250	69.4	630	74	5.1												
	280	77.8	600	77	5.6												
	300	83.3	588	77	5.9												
7	250	69.4	735	74	5.1												
	280	77.8	700	77	5.6												
	300	83.3	686	77	5.9												
8	250	69.4	840	74	5.1												
	280	77.8	800	77	5.6												
	300	83.3	784	77	5.9												
9	250	69.4	945	74	5.1												
	280	77.8	900	77	5.6												
	300	83.3	882	77	5.9												
10	250	69.4	1050	74	5.1												
	280	77.8	1000	77	5.6												
	300	83.3	980	77	5.9												
D300- 65 MD300- 65 DF300- 65	2	240	66.7	136	74	1480	200	4	D420- 93/S MD420- 93/S DF420- 93/S	2	315	87.5	184	69	1480	315	3.0
		300	83.3	130	76			420			116.7	164	76	3.2			
		360	100	122	74			480			133.3	160	75	4.2			
	3	240	66.7	204	74		4										
		300	83.3	195	76		4.2										
		360	100	183	74		5										
	4	240	66.7	272	74		4										
		300	83.3	260	76		4.2										
		360	100	244	74		5										
	5	240	66.7	340	74		4										
		300	83.3	325	76		4.2										
360		100	305	74	5												
6	240	66.7	408	74	4												
	300	83.3	390	76	4.2												
	360	100	366	74	5												
7	240	66.7	476	74	4												
	300	83.3	455	76	4.2												
	360	100	427	74	5												
8	240	66.7	544	74	4												
	300	83.3	520	76	4.2												
	360	100	488	74	5												
9	240	66.7	612	74	4												
	300	83.3	585	76	4.2												
	360	100	549	74	5												
10	240	66.7	680	74	4												
	300	83.3	650	76	4.2												
	360	100	610	74	5												
11	240	66.7	748	74	4												
	300	83.3	715	76	4.2												
	360	100	671	74	5												

D、DG、MD、DF

Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH) _r (m)	Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH) _r (m)
		(m³/h)	(L/s)								(m³/h)	(L/s)					
D 450- 60 MD 450- 60 DF 450- 60 (250D 60)	2	335	93.1	130	72	1480	220	3.8	D 600- 65 MD 600- 65 DF 600- 65	2	450	125	140	74	1480	315	4.5
		450	125	120	79.9			130			81.8	5.0					
		500	139	114	78			108			76	5.5					
	3	335	93.1	195	72		355	3.8									
		450	125	180	79.9			450		125	210	74	4.5				
		500	139	171	78			195		81.8	5.5						
	4	335	93.1	260	72		500	3.8									
		450	125	240	79.9			450		125	280	74	4.5				
		500	139	228	78			260		81.8	5.5						
5	335	93.1	325	72	630	3.8											
	450	125	300	79.9		450	125	350	74	4.5							
	500	139	285	78		325	81.8	5.5									
6	335	93.1	390	72	710	3.8											
	450	125	360	79.9		450	125	420	74	4.5							
	500	139	342	78		390	81.8	5.5									
7	335	93.1	455	72	800	3.8											
	450	125	420	79.9		450	125	490	74	4.5							
	500	139	399	78		455	81.8	5.5									
8	335	93.1	520	72	900	3.8											
	450	125	480	79.9		450	125	560	74	4.5							
	500	139	456	78		520	81.8	5.5									
9	335	93.1	585	72	1000	3.8											
	450	125	540	79.9		450	125	630	74	4.5							
	500	139	513	78		585	81.8	5.5									
10	335	93.1	650	72	1120	3.8											
	450	125	600	79.9		450	125	700	74	4.5							
	500	139	570	78		650	81.8	5.5									
D 580- 60 MD 580- 60 DF 580- 60	3	450	125	198	79	1480	450	5	D 720- 60 MD 720- 60 DF 720- 60	2	550	153	132	76	1480	355	4.9
		580	161	180	82			720			200	120	83.5	6.2			
		666	185	154	80			850			236	108	78.5	7.1			
	4	450	125	262	79		500	5									
		580	161	240	82			550		153	198	76	4.9				
		666	185	205	80			720		200	180	83.5	6.2				
	5	450	125	325	79		630	5									
		580	161	300	82			850		236	162	78.5	7.1				
		666	185	262	80			550		153	264	76	4.9				
6	450	125	390	79	800	5											
	580	161	360	82		720	200	240	83.5	6.2							
	666	185	318	80		850	236	216	78.5	7.1							
7	450	125	454	79	900	5											
	580	161	420	82		550	153	330	76	4.9							
	666	185	374	80		720	200	300	83.5	6.2							
8	450	125	518	79	1000	5											
	580	161	480	82		850	236	396	76	4.9							
	666	185	438	80		720	200	360	83.5	6.2							
9	450	125	582	79	1250	5											
	580	161	540	82		850	236	420	83.5	6.2							
	666	185	502	80		720	200	378	78.5	7.1							
10	450	125	646	79	1250	5											
	580	161	600	82		550	153	594	76	4.9							
	666	185	558	80		720	200	540	83.5	6.2							
D 500- 57 MD 500- 57 DF 500- 57	2	375	125	120	72	1480	220	4.4	D 800- 60 MD 800- 60 DF 800- 60	2	600	167	132	76	1480	450	5.2
		500	139	114	81.2			800			222	120	84	6.8			
		550	153	108	78			960			267	108	78.5	7.8			
	3	375	125	180	72		355	4.4									
		500	139	171	81.2			600		167	198	76	5.2				
		550	153	162	78			800		222	180	84	6.8				
	4	375	125	240	72		500	4.4									
		500	139	228	81.2			960		267	162	78.5	7.8				
		550	153	216	78			600		167	264	76	5.2				
	5	375	125	300	72		630	4.4									
		500	139	285	81.2			800		222	240	84	6.8				
550		153	270	78	960	267		216	78.5	7.8							
6	375	125	360	72	710	4.4											
	500	139	342	81.2		600	167	330	76	5.2							
	550	153	324	78		800	222	300	84	6.8							
7	375	125	420	72	800	4.4											
	500	139	399	81.2		960	267	270	78.5	7.8							
	550	153	378	78		600	167	396	76	5.2							
8	375	125	480	72	900	4.4											
	500	139	456	81.2		800	222	360	84	6.8							
	550	153	432	78		960	267	324	78.5	7.8							
9	375	125	540	72	1000	4.4											
	500	139	513	81.2		600	167	462	76	5.2							
	550	153	486	78		800	222	420	84	6.8							
10	375	125	600	72	1120	4.4											
	500	139	570	81.2		960	267	432	78.5	7.8							
	550	153	540	78		600	167	594	76	5.2							
11	375	125	660	72	1250	4.4											
	500	139	627	81.2		800	222	540	84	6.8							
	550	153	594	78		960	267	486	78.5	7.8							

D、DG、MD、DF

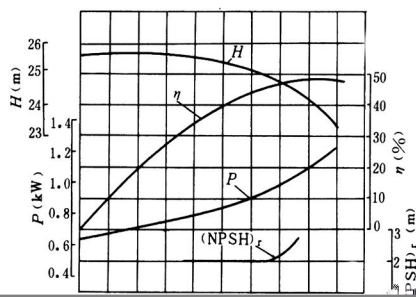
Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)	Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH)r (m)
		(m³/h)	(L/s)								(m³/h)	(L/s)					
D800-70 MD800-70 DF800-70	2	600	167	154	76	1480	500	5.2	D1250-80/S MD1250-80/S DF1250-80/S	2	1000	277.78	182	82	1480	800	4.6
		800	222	140	80			160			85.3	5.1					
		960	267	126	78.5			134			81	5.8					
	3	600	167	231	76		710	5.2		3	1000	277.78	273	82		1120	4.6
		800	222	210	80			240			85.3	5.1					
		960	267	189	78.5			201			81	5.8					
	4	600	167	308	76		900	5.2		4	1000	277.78	364	82		1600	4.6
		800	222	280	80			320			85.3	5.1					
		960	267	252	78.5			268			81	5.8					
5	600	167	385	76	1120	5.2	5	1000	277.78	455	82	1800	4.6				
	800	222	350	80		400		85.3	5.1								
	960	267	315	78.5		335		81	5.8								
6	600	167	462	76	1400	5.2	6	1000	277.78	546	82	2240	4.6				
	800	222	420	80		480		85.3	5.1								
	960	267	378	78.5		402		81	5.8								
7	600	167	539	76	1600	5.2	7	1000	277.78	637	82	2500	4.6				
	800	222	490	80		560		85.3	5.1								
	960	267	441	78.5		469		81	5.8								
8	600	167	616	76	1800	5.2	8	1000	277.78	728	82	3150	4.6				
	800	222	560	80		640		85.3	5.1								
	960	267	504	78.5		536		81	5.8								
9	600	167	693	76	2000	5.2	9	1000	277.78	819	82	3960	4.6				
	800	222	630	80		728		85.3	5.1								
	960	267	567	78.5		646		81	5.8								
D1000-80/S MD1000-80/S DF1000-80/S	2	800	222.22	184	80	1480	630	4.3	D1250-80 MD1250-80 DF1250-80	2	1000	277.78	182	82	1480	800	7.5
		1000	277.78	160	82			160			85.3	8.1					
		1160	322.22	130	80			128			82	9.6					
	3	800	222.22	276	80		900	4.3		3	1000	277.78	273	82		1120	7.5
		1000	277.78	240	82			240			85.3	8.1					
		1160	322.22	195	80			192			82	9.6					
	4	800	222.22	368	80		1250	4.3		4	1000	277.78	364	82		1600	7.5
		1000	277.78	320	82			320			85.3	8.1					
1160		322.22	260	80	256	82		9.6									
5	800	222.22	460	80	1600	4.3	5	1000	277.78	455	82	1800	7.5				
	1000	277.78	400	82		400		85.3	8.1								
	1160	322.22	325	80		320		82	9.6								
6	800	222.22	552	80	1800	4.3	6	1000	277.78	546	82	2240	7.5				
	1000	277.78	480	82		480		85.3	8.1								
	1160	322.22	390	80		480		82	9.6								
7	800	222.22	644	80	2240	4.3	7	1000	277.78	637	82	2500	7.5				
	1000	277.78	560	82		560		85.3	8.1								
	1160	322.22	455	80		512		82	9.6								
8	800	222.22	736	80	2500	4.3	8	1000	277.78	728	82	3150	7.5				
	1000	277.78	640	82		640		85.3	8.1								
	1160	322.22	520	80		512		82	9.6								
D1100-86/S MD1100-86/S DF1100-86/S	2	850	236	184	78	1480	800	4.4	80D12 80MD12 80DF12	2	21.6	6.0	28.8	69	2950	4	2.9
		1100	305.6	172	80			9.6			22.8	75	3.0				
		1300	361	156	78			11			19	72	3.1				
	3	850	236	276	78		1120	4.4		3	21.6	6.0	43.2	69		5.5	2.9
		1100	305.6	258	80			9.6			34.2	75	3.0				
		1300	361	234	78			11			27	72	3.1				
4	850	236	368	78	1600	4.4	4	21.6	6.0	57.6	69	7.5	2.9				
	1100	305.6	344	80		9.6		45.6	75	3.0							
	1300	361	312	78		11		36	72	3.1							
5	850	236	460	78	1800	4.4	5	21.6	6.0	72	69	11	2.9				
	1100	305.6	430	80		9.6		57	75	3.0							
	1300	361	390	78		11		45	72	3.1							
6	850	236	552	78	2240	4.4	6	21.6	6.0	86.4	69	11	2.9				
	1100	305.6	516	80		9.6		68.4	75	3.0							
	1300	361	468	78		11		54	72	3.1							
D1000-80 MD1000-80 DF1000-80	2	800	222.22	184	80	1480	630	6.7	80D12 80MD12 80DF12	5	21.6	6.0	72	69	2950	15	2.9
		1000	277.78	160	82			9.6			57	75	3.0				
		1160	322.22	130	80			11			45	72	3.1				
	3	800	222.22	276	80		900	6.7		6	21.6	6.0	86.4	69		15	2.9
		1000	277.78	240	82			9.6			68.4	75	3.0				
		1160	322.22	195	80			11			54	72	3.1				
	4	800	222.22	368	80		1250	6.7		7	21.6	6.0	100.8	69		15	2.9
		1000	277.78	320	82			9.6			79.8	75	3.0				
1160		322.22	260	80	11	63		72	3.1								
5	800	222.22	460	80	1600	6.7	8	21.6	6.0	115.2	69	18.5	2.9				
	1000	277.78	400	82		9.6		91.2	75	3.0							
	1160	322.22	325	80		11		72	72	3.1							
6	800	222.22	552	80	1800	6.7	9	21.6	6.0	129.6	69	18.5	2.9				
	1000	277.78	480	82		9.6		102.6	75	3.0							
	1160	322.22	390	80		11		81	72	3.1							
7	800	222.22	644	80	2240	6.7	9	21.6	6.0	144	69	18.5	2.9				
	1000	277.78	560	82		9.6		115.2	75	3.0							
	1160	322.22	455	80		11		81	72	3.1							
8	800	222.22	736	80	2500	6.7	9	21.6	6.0	158.4	69	18.5	2.9				
	1000	277.78	640	82		9.6		129.6	75	3.0							
	1160	322.22	520	80		11		91.2	72	3.1							

D、DG、MD、DF

Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH) _r (m)
		(m ³ /h)	(L/s)					
80D30 80MD30 80DF30	2	23	6.38	68	54.5	2950	18.5	3
		43	11.93	60	67			4
		50	13.9	53.2	65.5			5
	3	23	6.38	102	54.5		22	3
		43	11.93	90.0	67			4
		50	13.9	79.8	65.5			5
	4	23	6.38	136	54.5		30	3
		43	11.93	120.0	67			4
		50	13.9	106.4	65.5			5
	5	23	6.38	170	54.5		30	3
43		11.93	150	67	4			
50		13.9	133	65.5	5			
6	23	6.38	204	54.5	37	3		
	43	11.93	180	67		4		
	50	13.9	159.6	65.5		5		
7	23	6.38	238	54.5	45	3		
	43	11.93	210	67		4		
	50	13.9	186.2	65.5		5		
8	23	6.38	272	54.5	55	3		
	43	11.93	240	67		4		
	50	13.9	212.8	65.5		5		
9	23	6.38	306	54.5	55	3		
	43	11.93	270	67		4		
	50	13.9	239.4	65.5		5		
10	23	6.38	34	54.5	75	3		
	43	11.93	300	67		4		
	50	13.9	266	65.5		5		
100D16 100MD16 100DF16	2	37.6	11	36.8	71	2950	7.5	3.0
		54	15	31	76			3.1
		72	20	20.4	66			3.4
	3	37.6	11	55.2	71		11	3.0
		54	15	46.5	76			3.1
		72	20	30.6	66			3.4
	4	37.6	11	73.6	71		15	3.0
		54	15	62	76			3.1
72		20	40.8	66	3.4			
5	37.6	11	92	71	18.5	3.0		
	54	15	77.5	76		3.1		
	72	20	51	66		3.4		
6	37.6	11	110.4	71	22	3.0		
	54	15	93	76		3.1		
	72	20	61.2	66		3.4		
7	37.6	11	128.8	71	30	3.0		
	54	15	108.5	76		3.1		
	72	20	71.4	66		3.4		
8	37.6	11	147.2	71	30	3.0		
	54	15	124	76		3.1		
	72	20	81.6	66		3.4		
9	37.6	11	165.6	71	37	3.0		
	54	15	139.6	76		3.1		
	72	20	91.8	66		3.4		

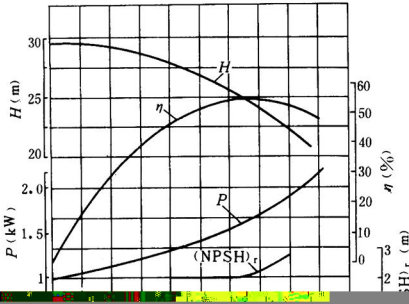
Model	Stage	Capacity		Head (m)	Eff (%)	Speed (r/min)	Power (kW)	(NPSH) _r (m)
		(m ³ /h)	(L/s)					
125D25 125MD25 125DF25	2	72	20	51.2	68	2950	18.5	3.0
		101	28	43.0	74.5			3.1
		119	33	35.0	71			3.4
	3	72	20	76.8	68		30	3.0
		101	28	64.5	74.5			3.1
		119	33	52.5	71			3.4
	4	72	20	102.4	68		37	3.0
		101	28	86.0	74.5			3.1
		119	33	70.0	71			3.4
5	72	20	128	68	45	3.0		
	101	28	107.5	74.5		3.1		
	119	33	87.5	71		3.4		
6	72	20	153.6	68	55	3.0		
	101	28	129.0	74.5		3.1		
	119	33	105.0	71		3.4		
7	72	20	179.2	68	75	3.0		
	101	28	150.5	74.5		3.1		
	119	33	122.5	71		3.4		
8	72	20	204.8	68	75	3.0		
	101	28	172.0	74.5		3.1		
	119	33	140.0	71		3.4		
9	72	20	230.4	68	90	3.0		
	101	28	193.5	74.5		3.1		
	119	33	157.5	71		3.4		

D、DG、MD、DF



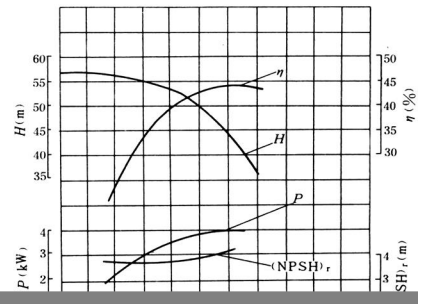
D6-25

(n=2950r/min)



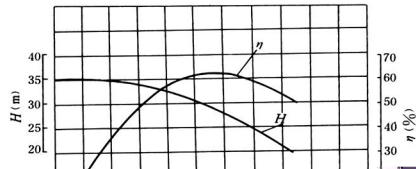
D12-25

(n=2950r/min)



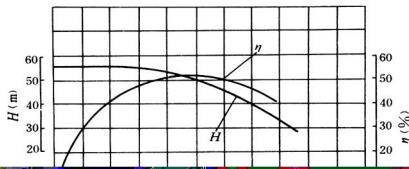
D12-50

(n=2950r/min)



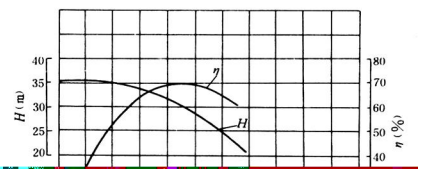
D25-30

(n=2950r/min)



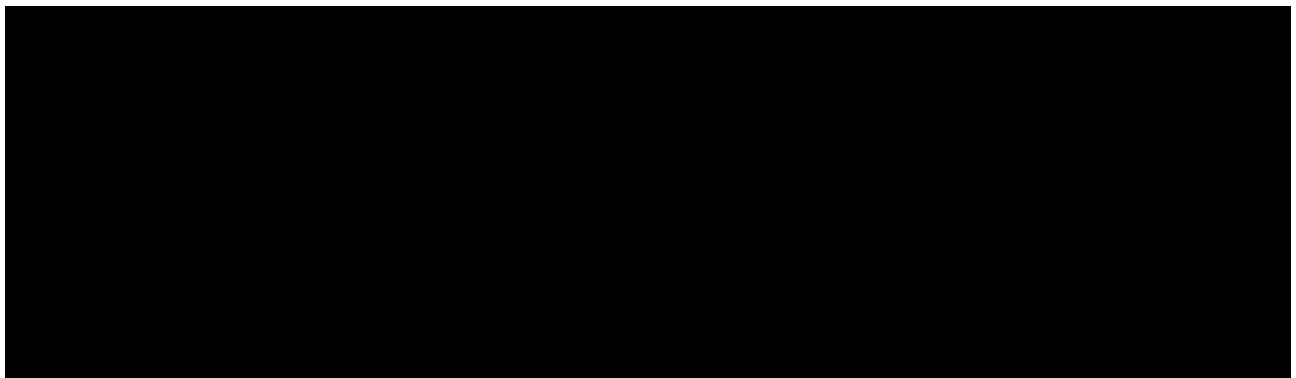
D25-50

(n=2950r/min)



D46-30

(n=2950r/min)



D46-50

(n=2950r/min)

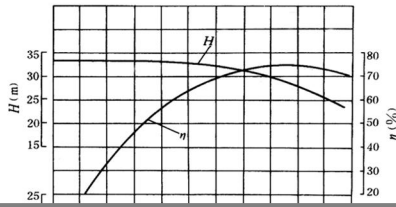
D60-50

(n=2950r/min)

D85-45

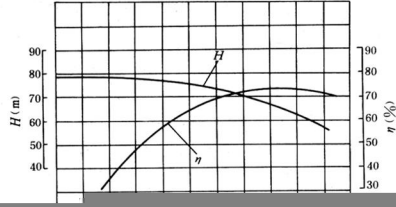
(n=2950r/min)

D、DG、MD、DF



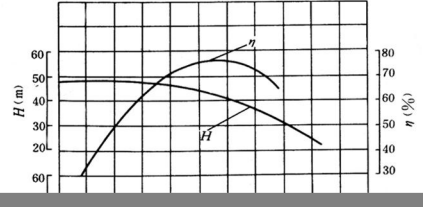
D155-30

(n=1480r/min)



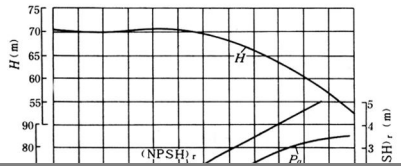
D155-67

(n=2950r/min)



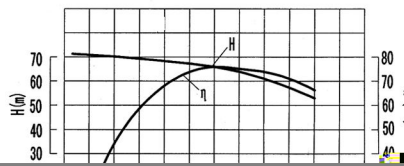
D280-43

(n=1480r/min)



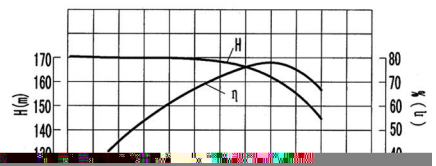
D280-65

(n=1480r/min)



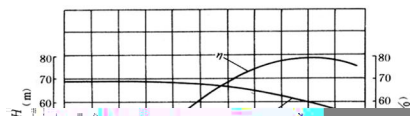
D300-65

(n=1480r/min)



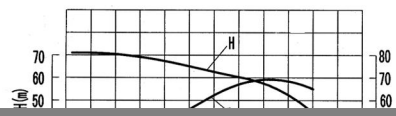
D300-150

(n=2950r/min)



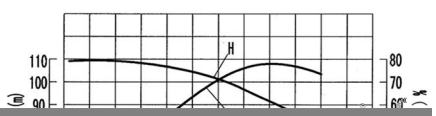
D450-60

(n=1480r/min)



D500-57

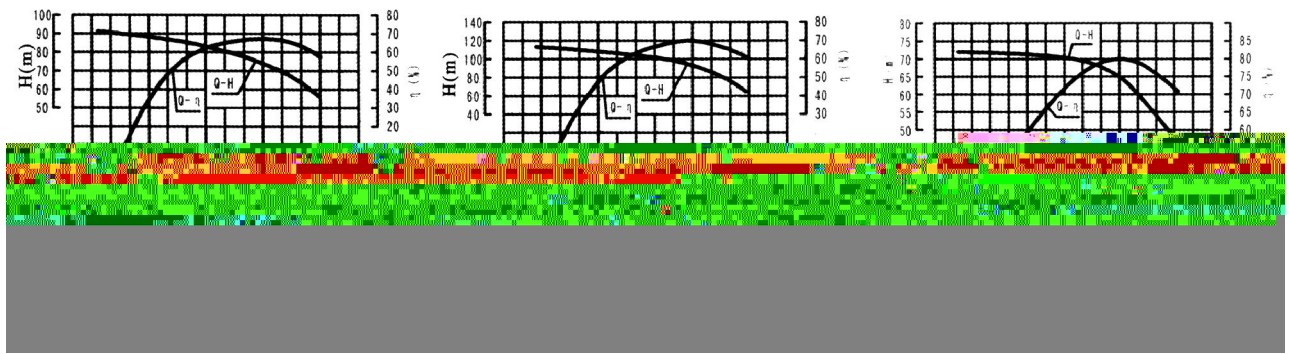
(n=1480r/min)



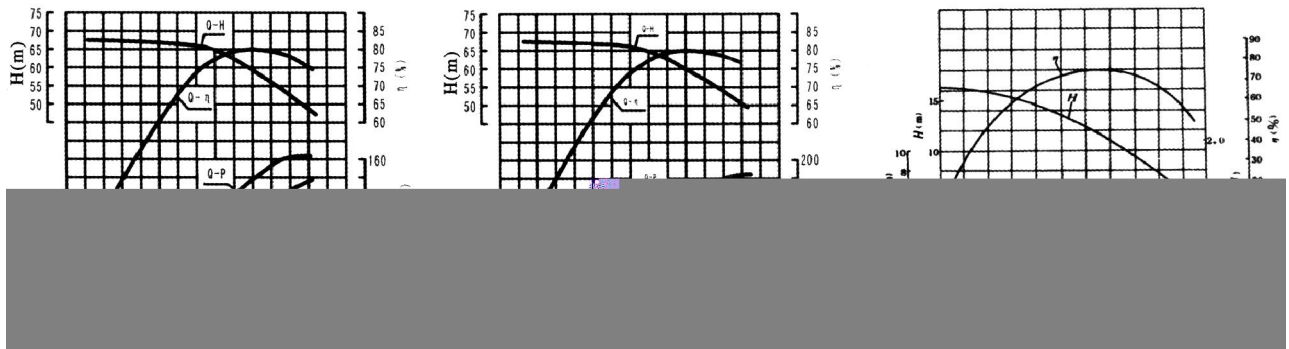
D420-93

(n=1480r/min)

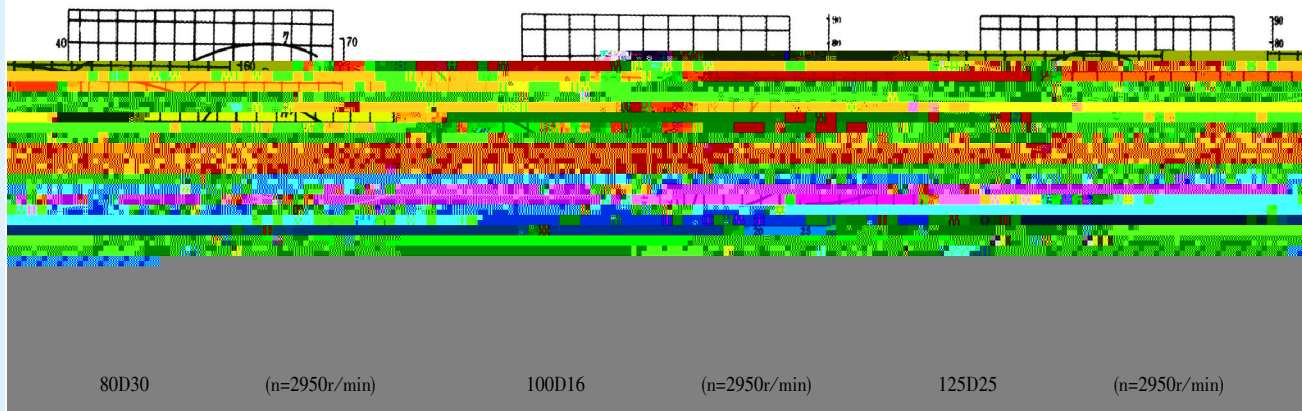
D、DG、MD、DF



D85-80 (n=2950r/min) D150-100 (n=2950r/min) D600-65 (n=1480r/min)

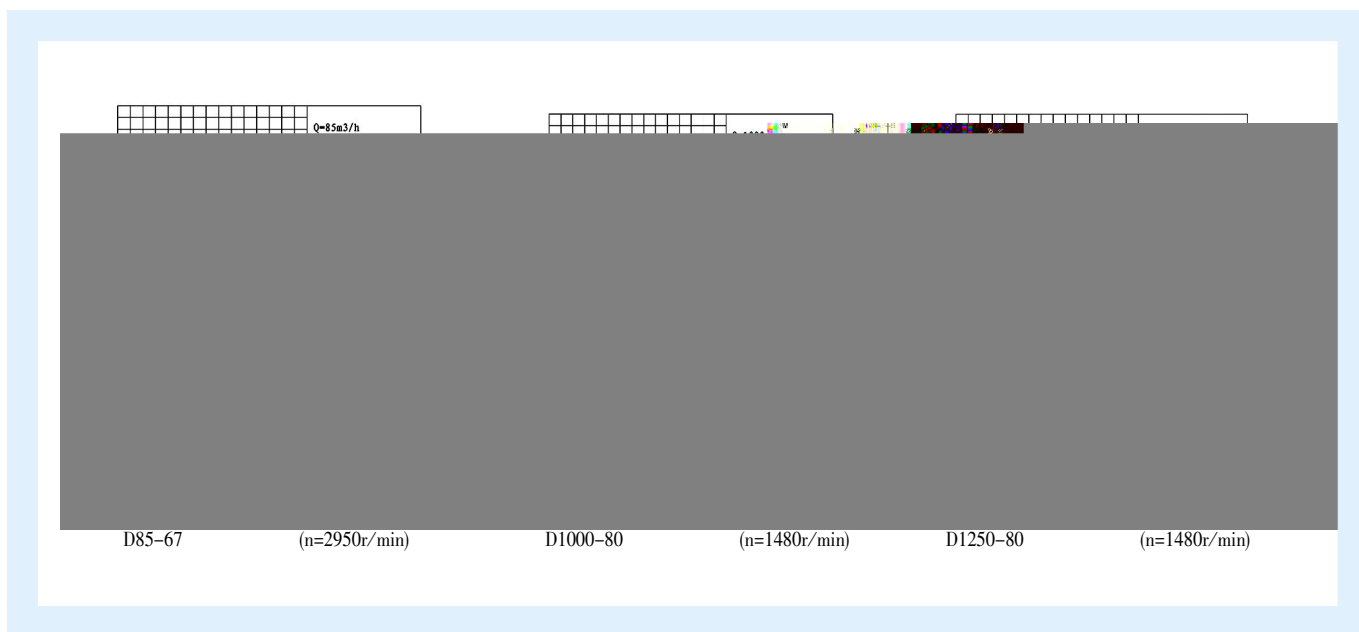


D720-60 (n=1480r/min) D800-60 (n=1480r/min) 80D12 (n=2950r/min)

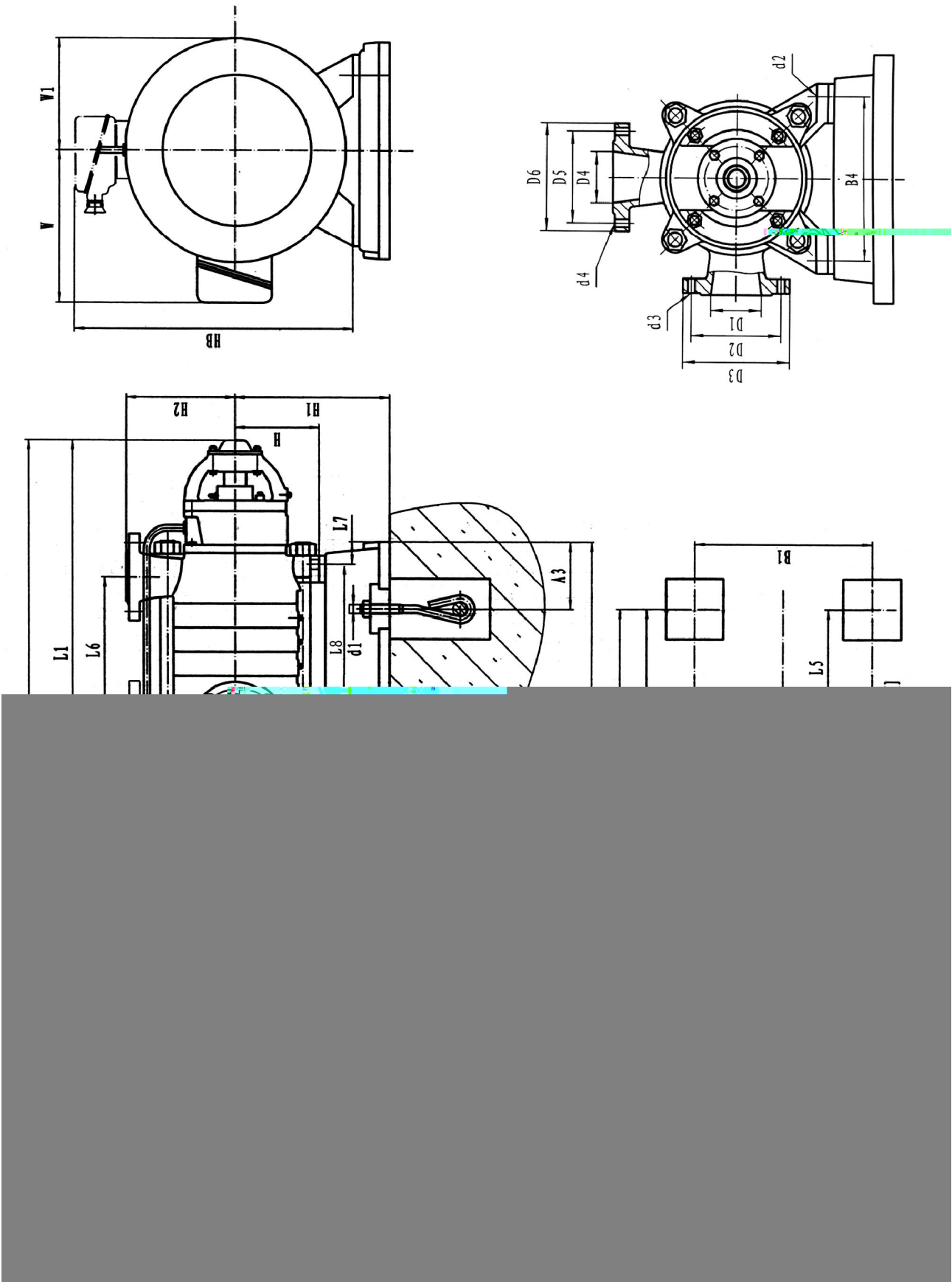


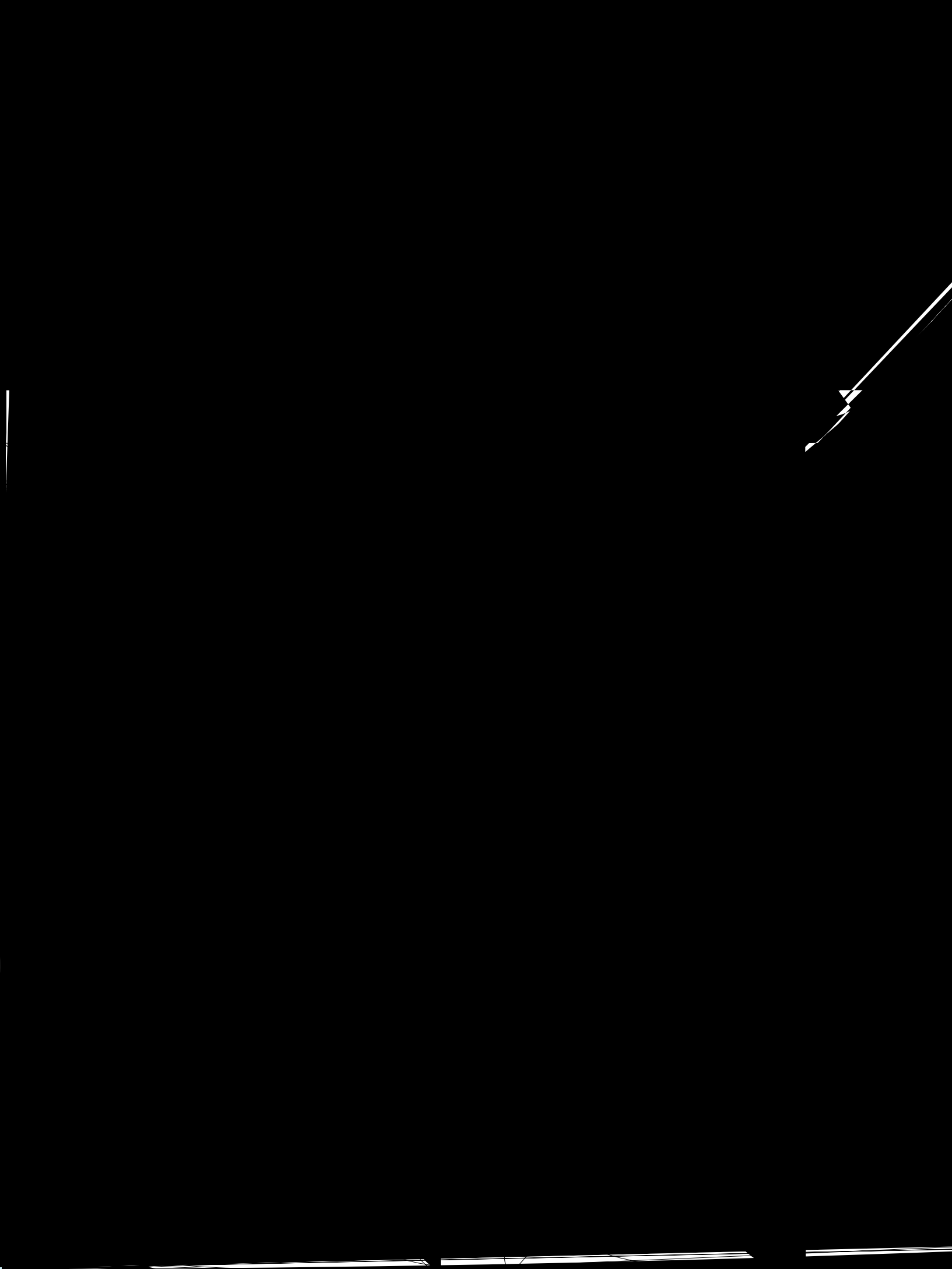
80D30 (n=2950r/min) 100D16 (n=2950r/min) 125D25 (n=2950r/min)

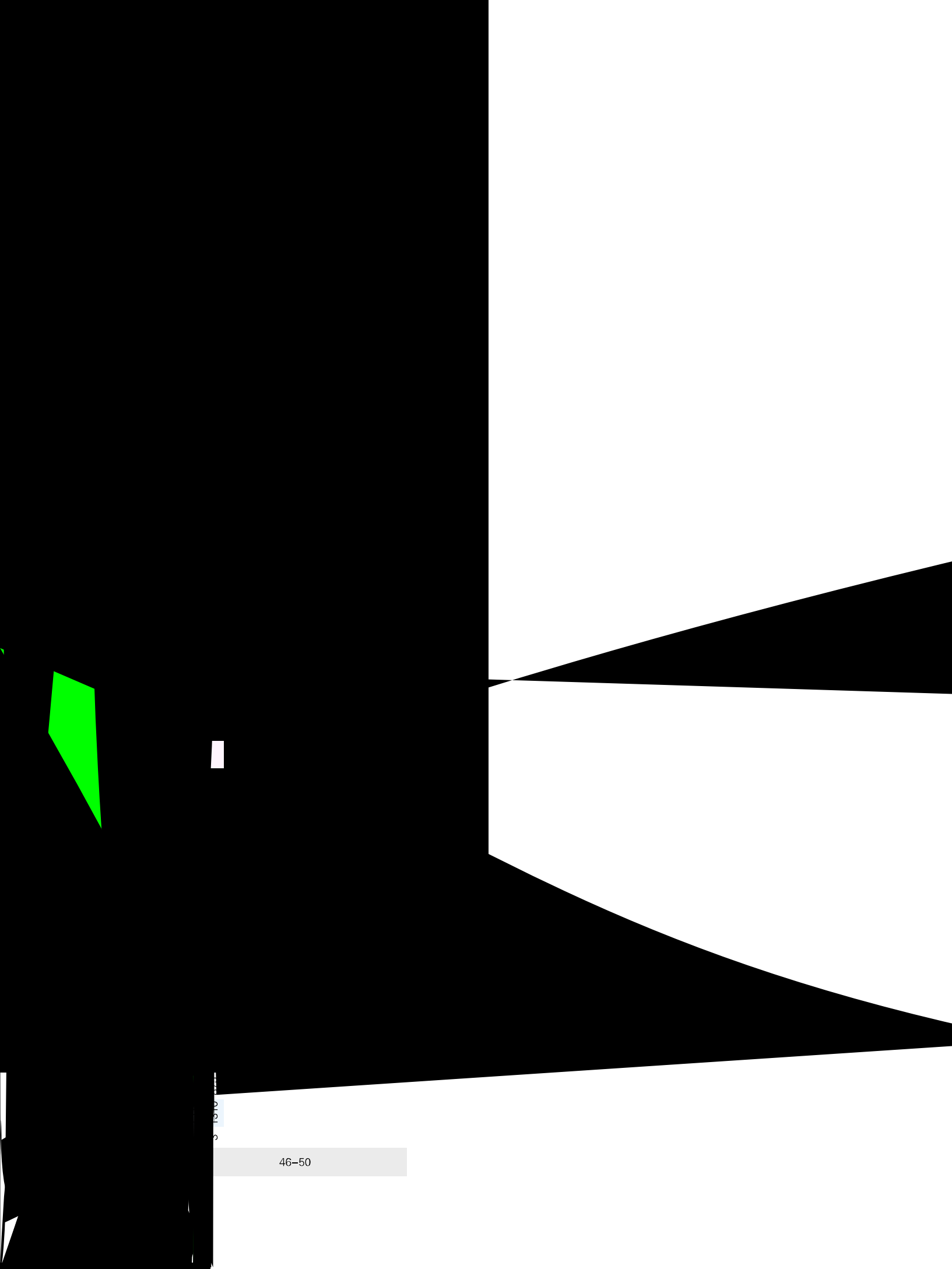
D、DG、MD、DF



D、DG、MD、DF 型多级泵外形及安装图 (整体底座)

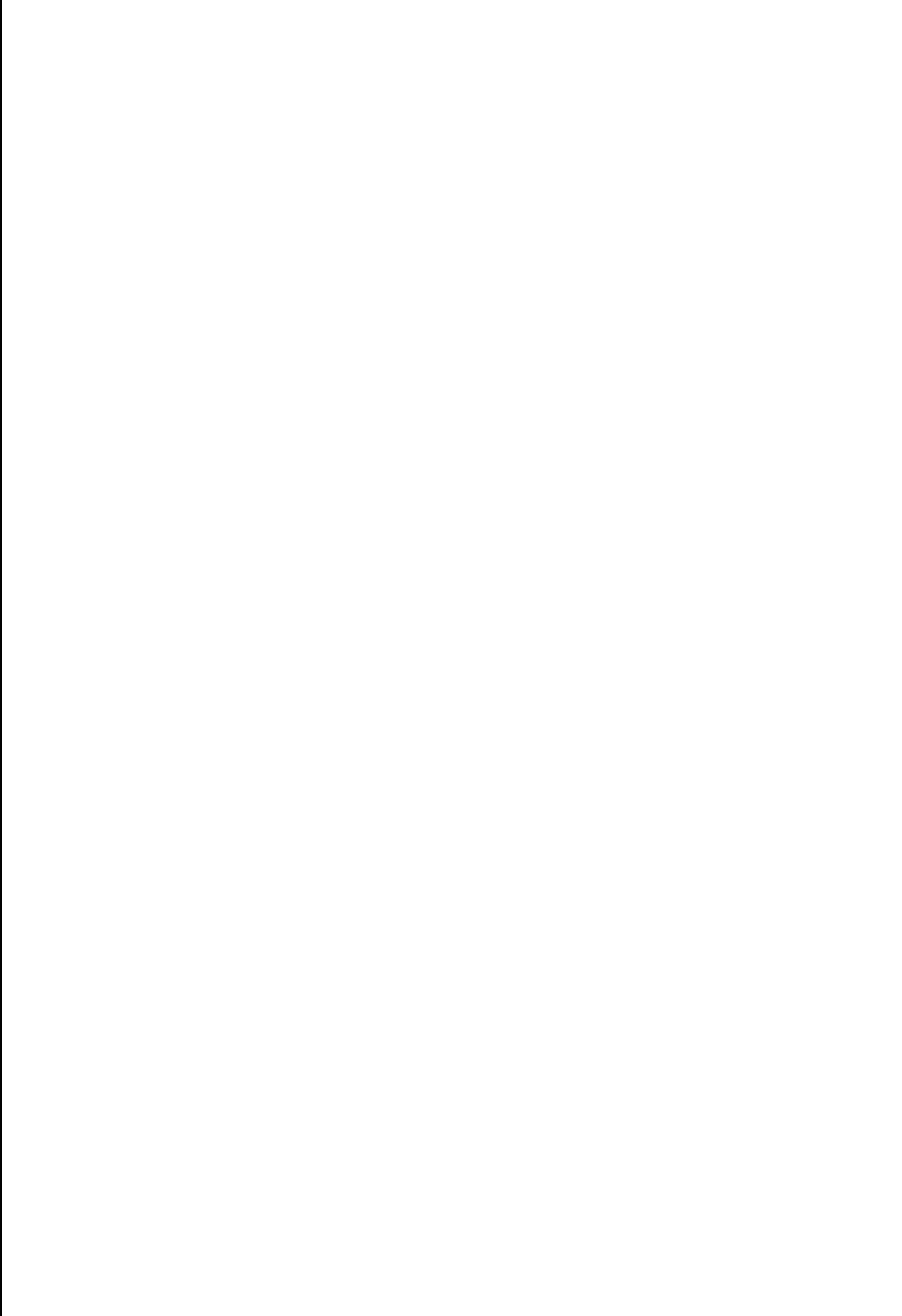


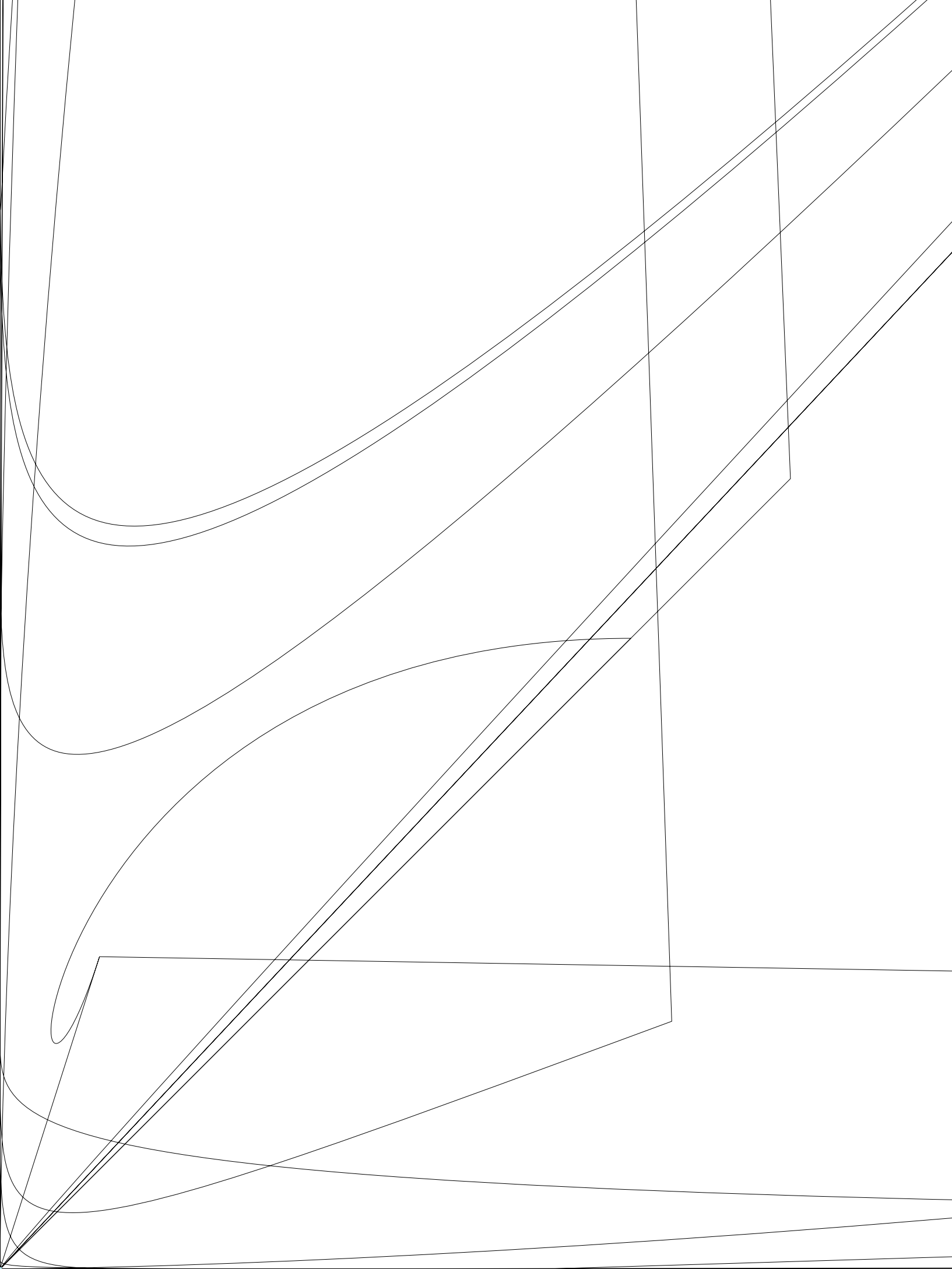




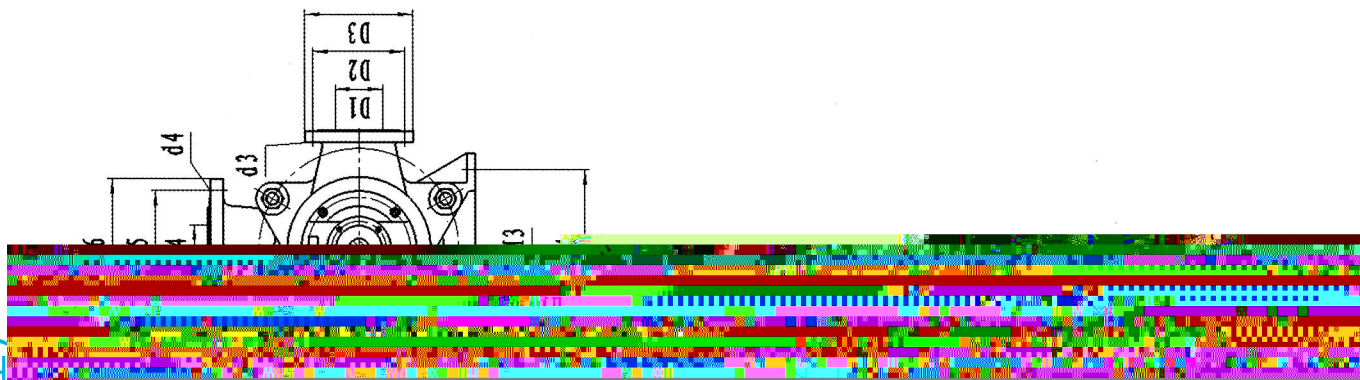
5
3
2
1

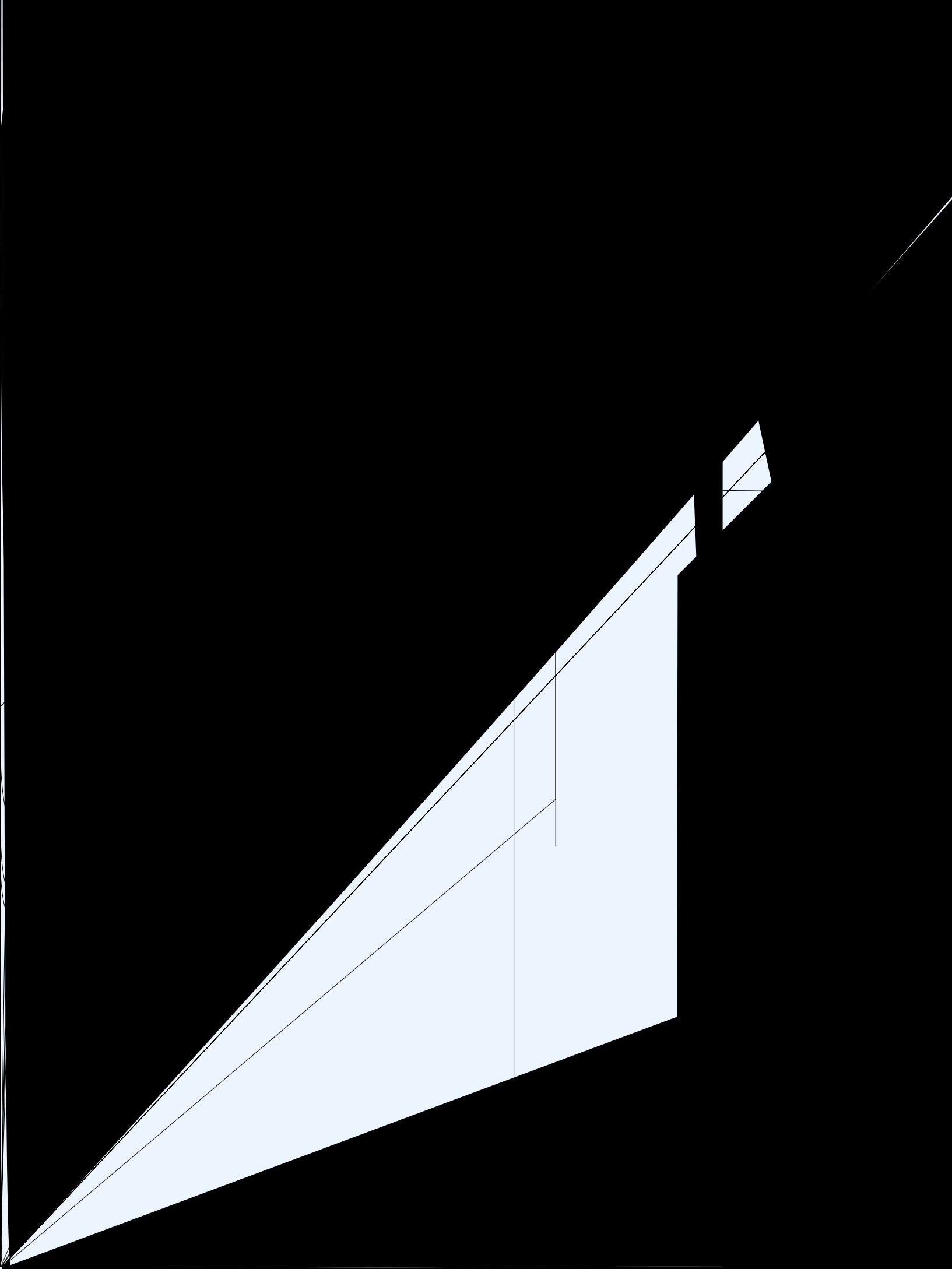
46-50

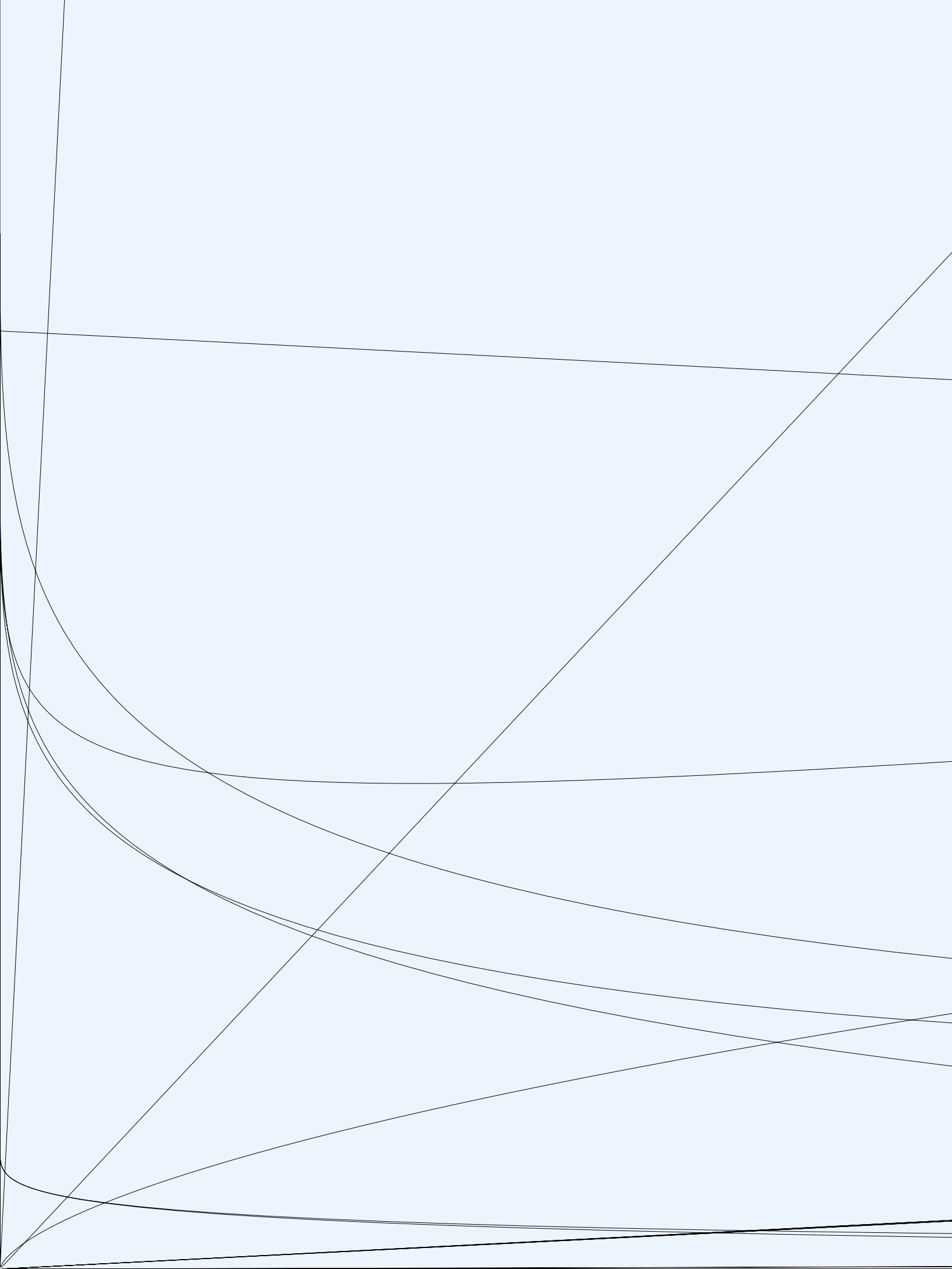




D、DG、MD、DF 型多级泵外形及安装图(单独底座)







D、MD 型多级泵外形及安装尺寸(单独底座)

型号	外形及安装尺寸(注:HB 尺寸为防爆电机高度)																				进 水 法 兰				出 水 法 兰				电 动 机																								
	A	A1	A2	A3	L	L1	L2	L3	L4	L5	L6	L7	L8	L11	C	H	H1	H2	H3	B	B1	B2	B3	B4	4-M1	L9	L10	4-M2	4-M3	D1	D2	D3	d3	D4	D5	D6	64	功率 KW	型 号														
800-60	2	1104	778	418	150	4103	1782	2310	650	635	31	541	119	498	1000	7	465	625	600	55	1050	970	710	580	700	30	500	500														450	Y4005-4										
	3	1179	976	615	150	4389	1982	2310	650	635	31	737	119	694	1120	7	465	625	600	55	1050	970	800	580	700	30	500	500															630	Y4501-4									
	4	1179	1176	815	150	4585	2172	2400	650	635	31	933	119	890	1120	7	465	625	600	55	1050	970	800	580	700	36	500	500																800	Y4503-4								
	5	1219	1375	1015	150	4981	2374	2400	650	635	31	1129	119	1086	1250	7	465	625	600	55	1050	970	900	580	700	36	500	500																	1000	Y5001-4							
	6	1219	1574	1214	150	5177	2570	2600	650	635	31	1325	119	1282	1250	7	465	625	600	55	1050	970	900	580	700	36	500	500	30																1250	Y5003-4							
	7	1219	1774	1413	150	5373	2768	2600	650	635	31	1521	119	1478	1250	7	465	625	600	55	1050	970	900	580	700	36	500	500																		1400	Y5004-4						
	8	1364	1972	1612	150	5369	2962	2600	650	635	31	1717	119	1674	1400	7	465	625	600	55	1050	970	1000	580	700	36	500	500																		1600	Y5601-4						
	9	1444	2172	1812	150	5965	3158	3500	650	635	31	1913	119	1870	1400	7	465	625	600	55	1050	970	1000	580	700	42	500	500																		1800	Y5602-4						
	1000-80	2	1240	928	628	150	4360	2043	2310	862	862	3	561	153	561	1000	7	550	730	675	50	1115	1035	710	675	800	30	500	500																				630	Y4501-4			
3		1315	1148	848	150	4656	2249	2400	862	862	3	767	153	767	1120	7	550	730	675	50	1115	1035	800	675	800	30	500	500																						900	Y4504-4		
4		1355	1368	1068	150	5062	2455	2600	862	862	3	973	153	973	1250	7	550	730	675	50	1115	1035	900	675	800	30	500	500																						1250	Y5003-4		
5		1355	1588	1288	150	5268	2661	2600	862	862	3	1179	153	1179	1250	7	550	730	675	50	1115	1035	900	675	800	30	500	500	30																					1600	Y5601-4		
6		1500	1808	1508	150	6374	2867	3500	862	862	3	1385	153	1385	1400	7	550	730	675	50	1115	1035	1000	675	800	30	500	500																						1800	Y5602-4		
7		1580	2028	1728	150	6180	3073	3100	862	862	3	1591	153	1591	1400	7	550	730	675	50	1115	1035	1000	675	800	30	500	500																						2240	Y6301-4		
8		1535	2248	1948	150	6386	3279	3100	862	862	3	1797	153	1797	1400	7	550	730	675	50	1115	1035	1000	675	800	30	500	500																						2500	Y7101-4		
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1250-80	4	1355	1368	1068	150	5055	2455	2600	862	862	3	973	153	973	1250	7	550	730	675	50	1115	1035	900	675	800	30	500	500																								1600	Y5601-4
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	7	1615	2028	1728	150	6180	3073	3100	862	862	3	1591	153	1591	1600	7	550	730	675	50	1115	1035	1120	675	800	30	500	500																								2500	Y7101-4
8	1615	2248	1948	150	6786	3279	3500	862	862	3	1797	153	1797	1600	7	550	730	675	50	1115	1035	1120	675	800	30	500	500																									3150	Y7103-4