

Einsatzgebiet

Kreiselpumpe, einstufig, in Blockbauweise; Motor und Pumpe sind zu einem Blockaggregat mit gemeinsamer Welle verbunden. Spiralgehäuse mit Saug- und Druckstutzen mit gleichem Durchmesser in gerader durchgehender Leitungsrichtung (Inline-Bauweise)
Durchflussmenge unter Einhaltung DIN24255
Geeignet für Wasserversorgungssysteme, Druckerhöhung, für Heizungs- und Klimaanlage, sowie Kühlkreisläufe, ebenso für zivile und industrielle Einrichtungen.

Wenn ein geräuscharmer Lauf angestrebt wird ($n=1450\text{min}^{-1}$)

Technische Daten

- Medium-Temperatur: von -20°C bis +110°C
- Baugrößen: 40-200mm
- Ø Laufrad: 125-450mm
- Kapazität: 2,5 – 500m³/h
- Motorleistung: 0,12 – 90kW
- 2-poliger-Induktionsmotor mit 50Hz ($n=2900\text{min}^{-1}$)
- 4-poliger-Induktionsmotor mit 50Hz ($n=1450\text{min}^{-1}$)
- 60Hz Ausführungen lieferbar
- Höchstzulässiger Pumpendruck 16Bar (Gruppe A und B)
Höchstzulässiger Pumpendruck 10Bar (Gruppe C)
- Gleitringdichtung: Kohle/Keramik
- Für industriellen Dauerbetrieb

Werkstoffe

Material							Part List
GG 22	GG 25	GGG 40	AISI 304	AISI 316	AISI 420	RG 5 (Bronz)	
●	○	○	○	○	○	○	Casing
●	○		○	○	○	○	Impeller
			○	○	●		Shaft
●	○	○	○	○	○	○	Seal Cover
	○					○	Wear ring
●	○		○	○		○	Adapter
DIN 24960							* Mechanical Seal

● Standardausführung

○ Optional



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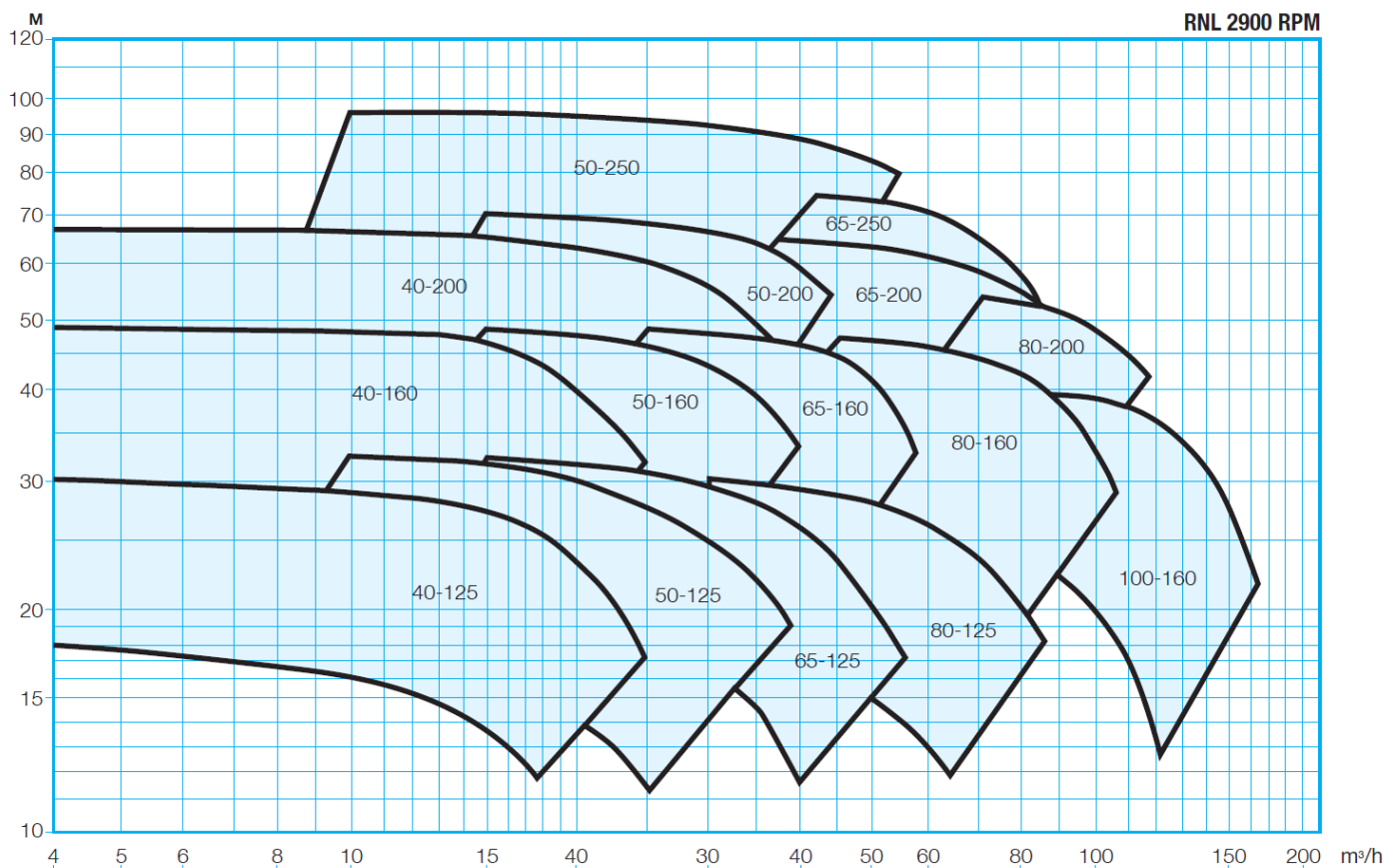
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RNL Inline-Pumpe

Kennlinien bis 150m³/h n = 2900min⁻¹



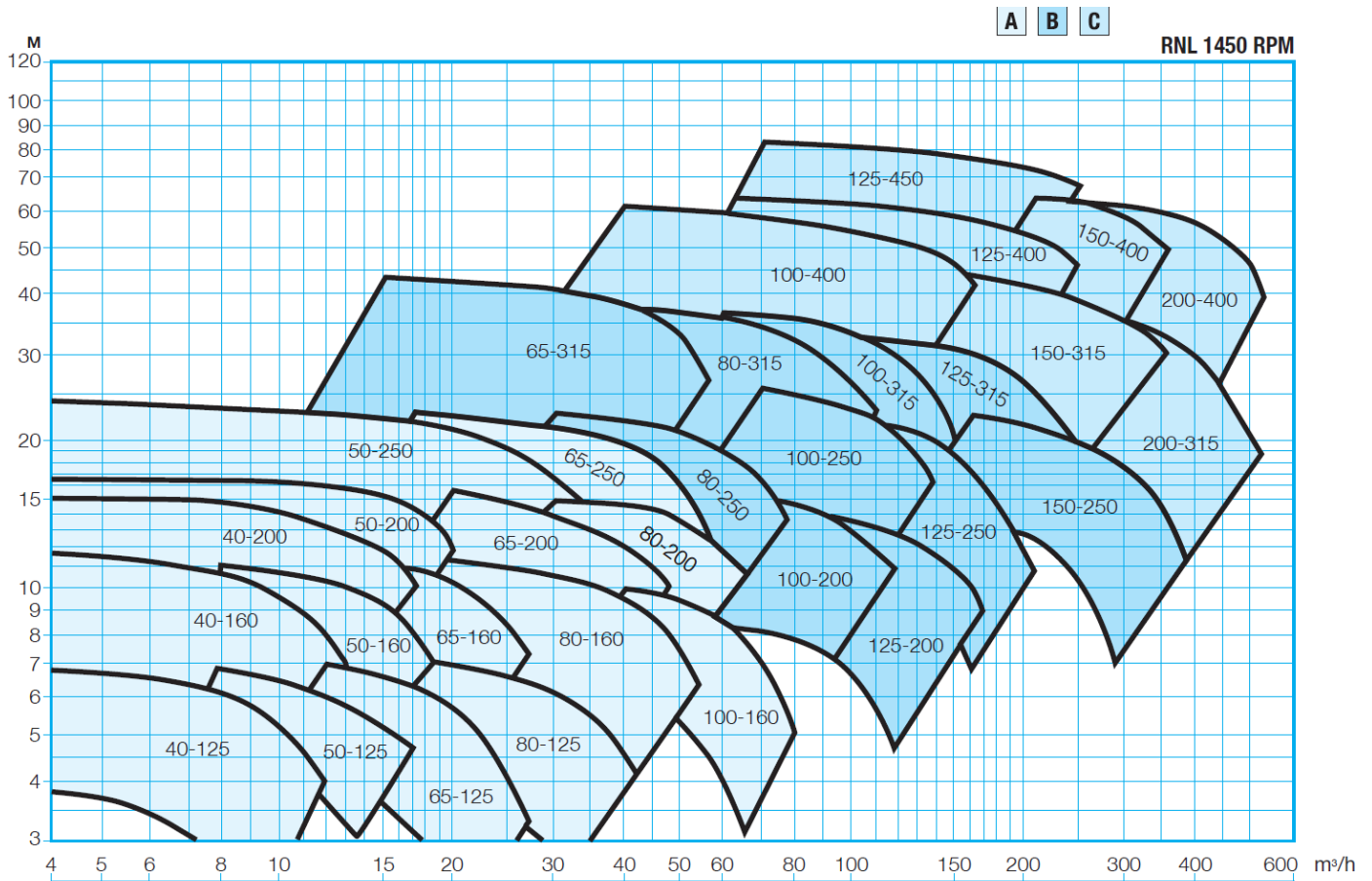
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Kennlinien bis 550m³/h n = 1450min⁻¹

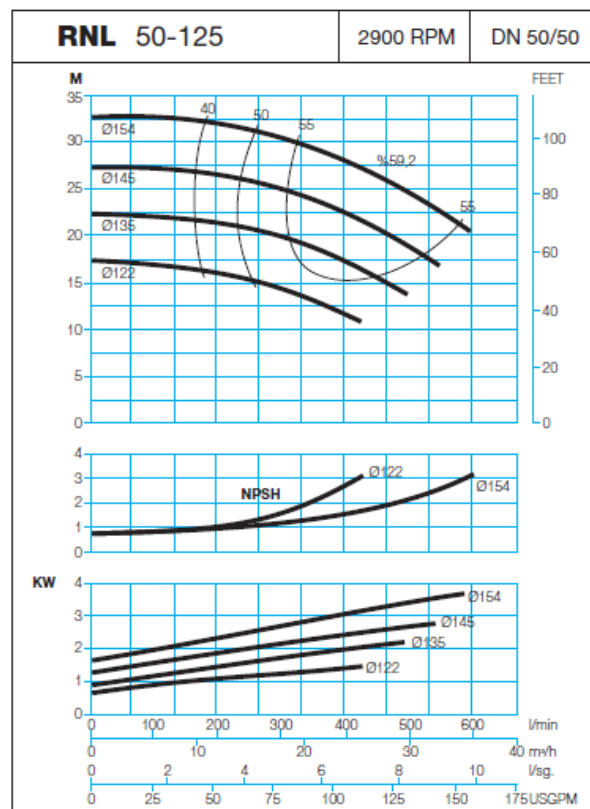
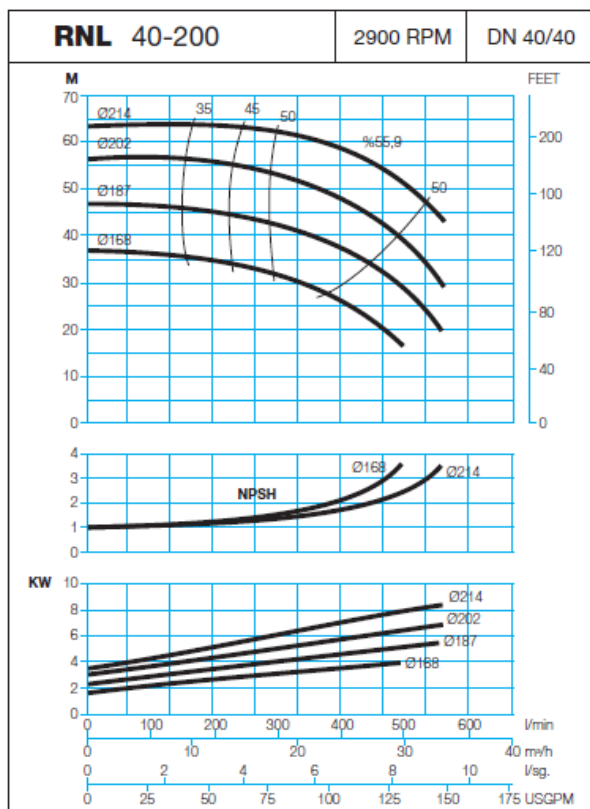
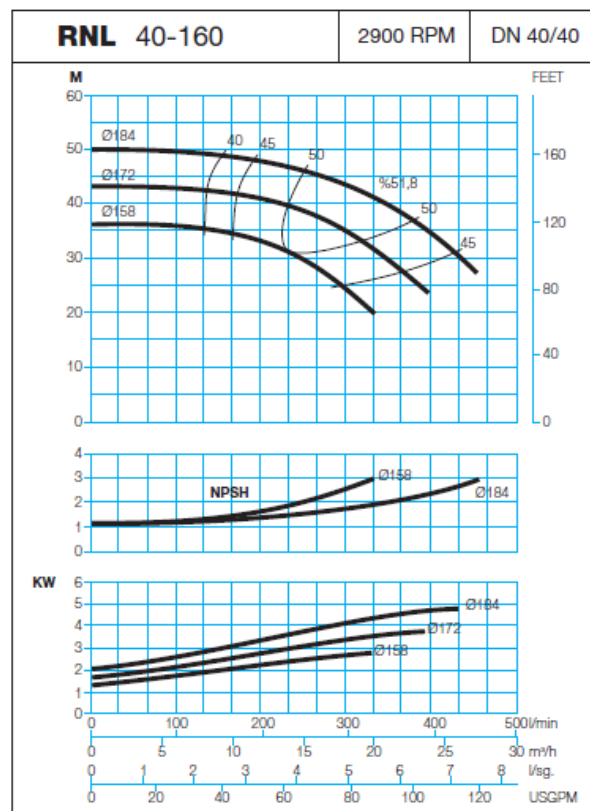
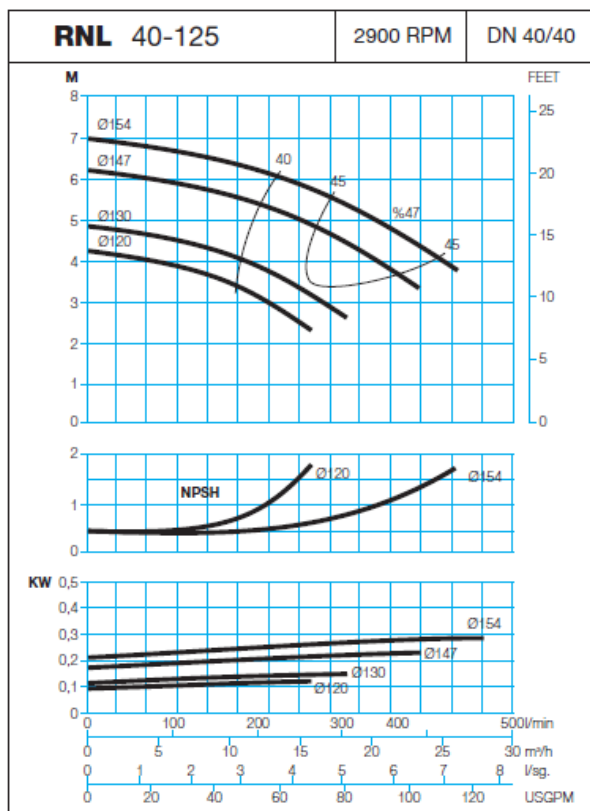


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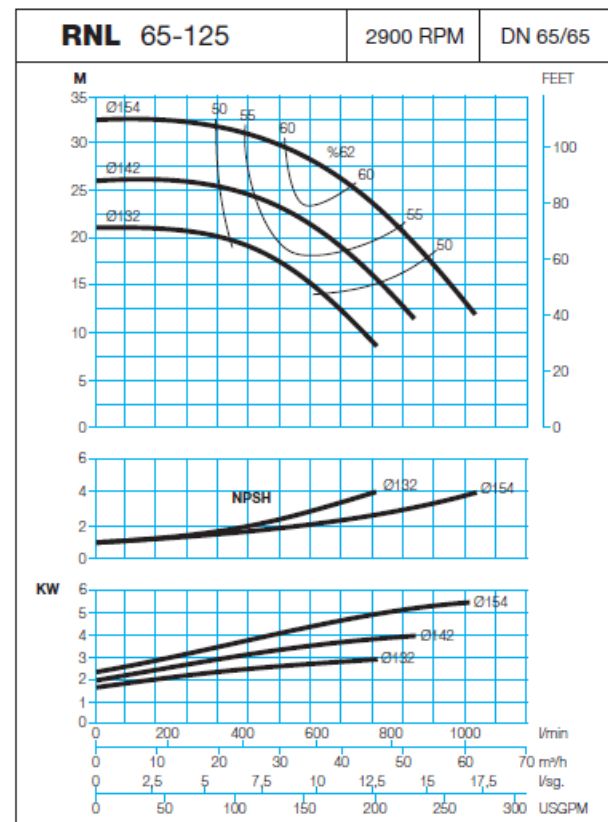
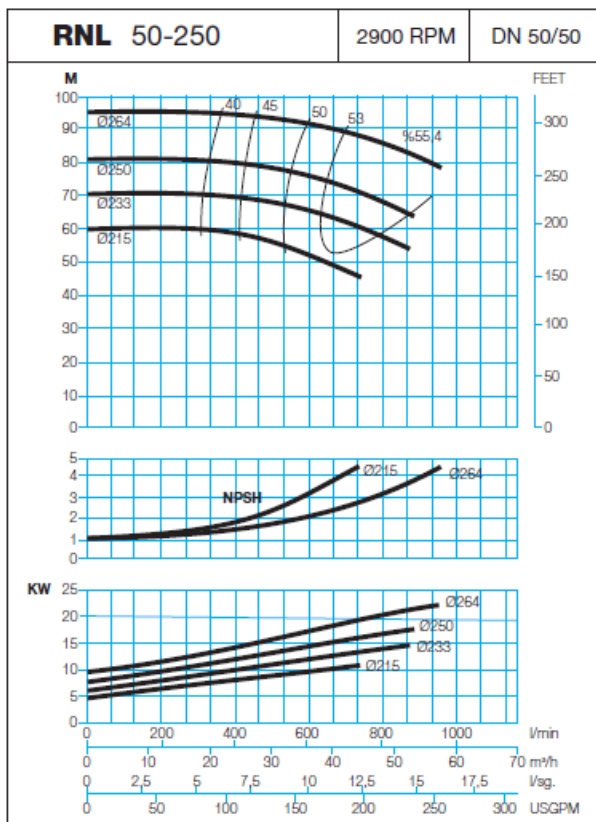
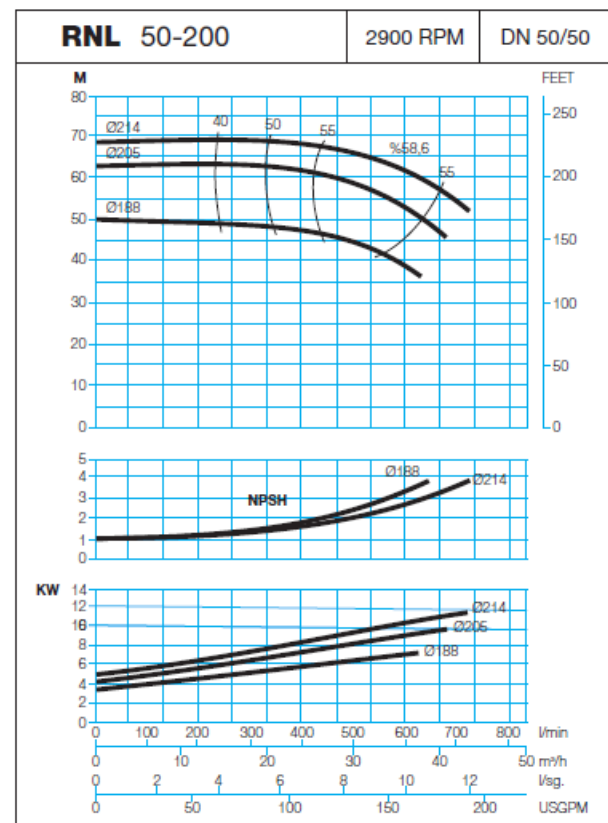
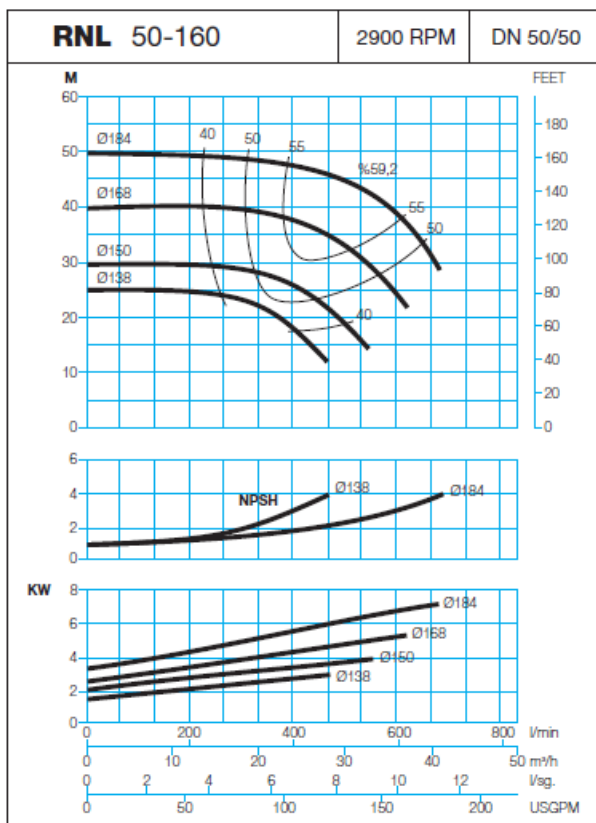
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Inline-Pumpe DN50 bis 60m³/h

RNL (n = 2900min⁻¹)



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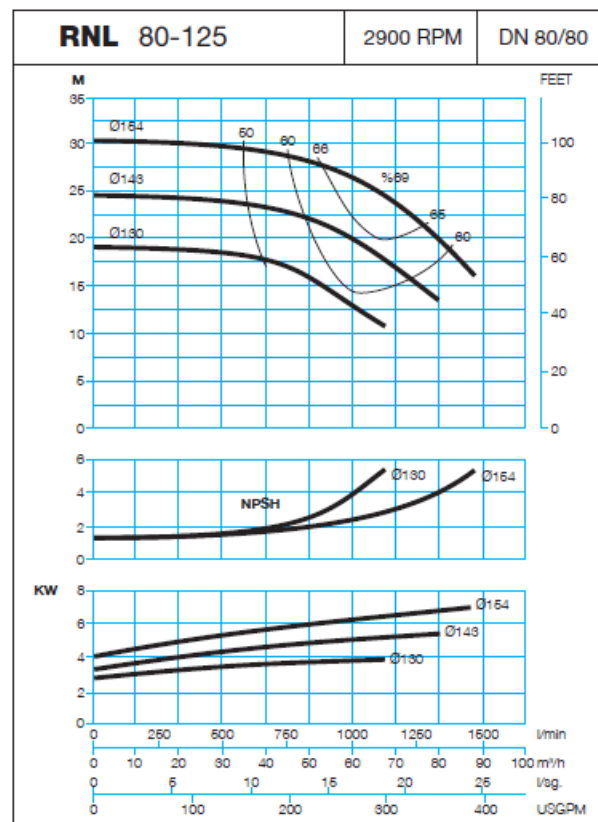
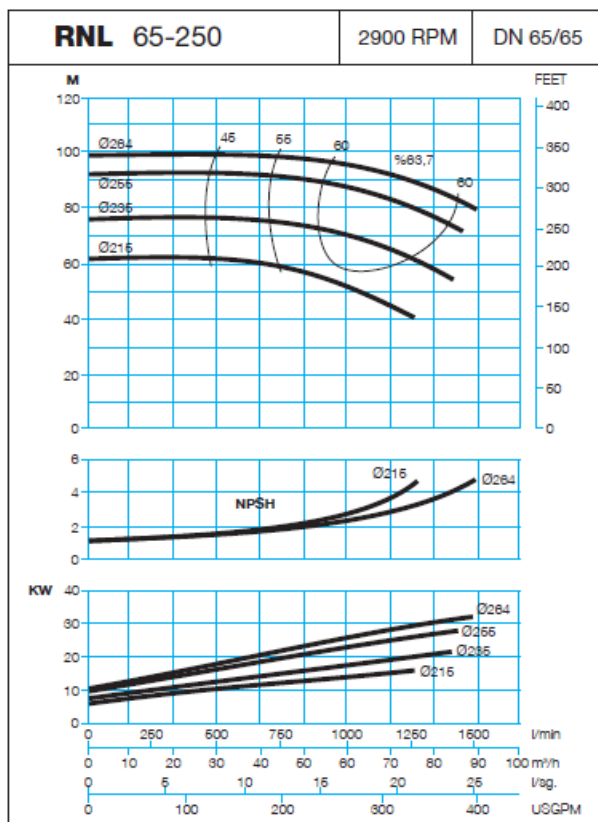
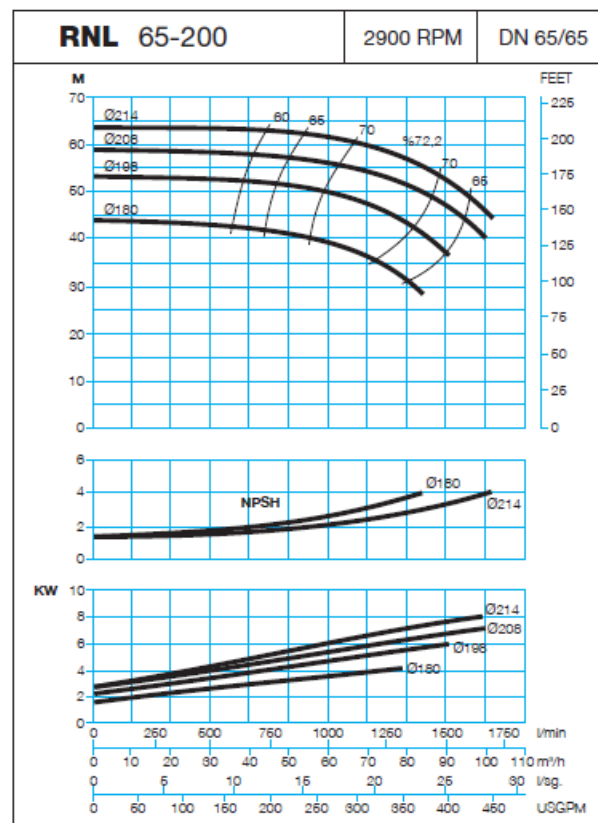
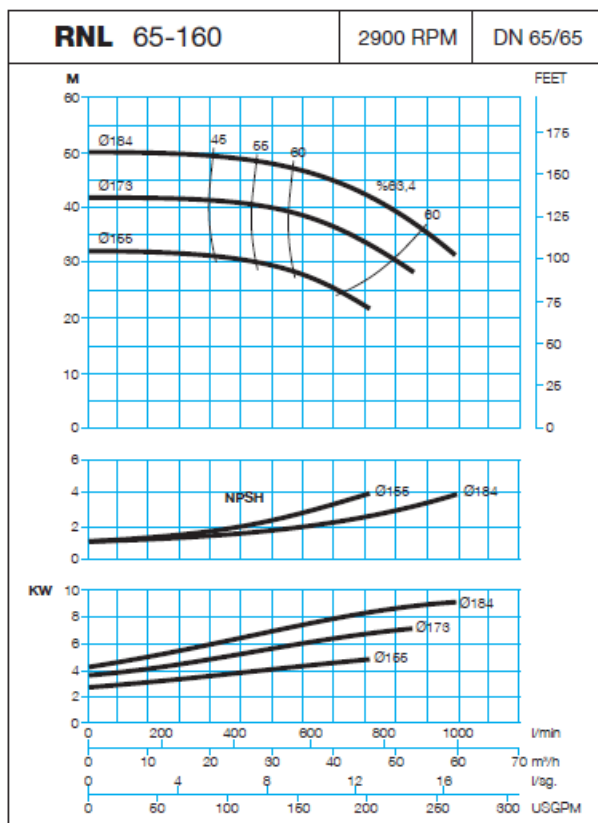


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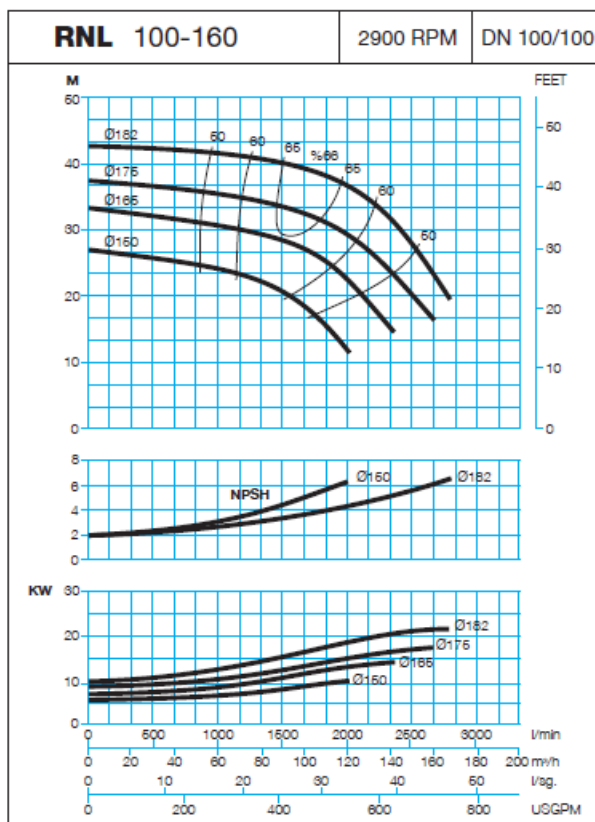
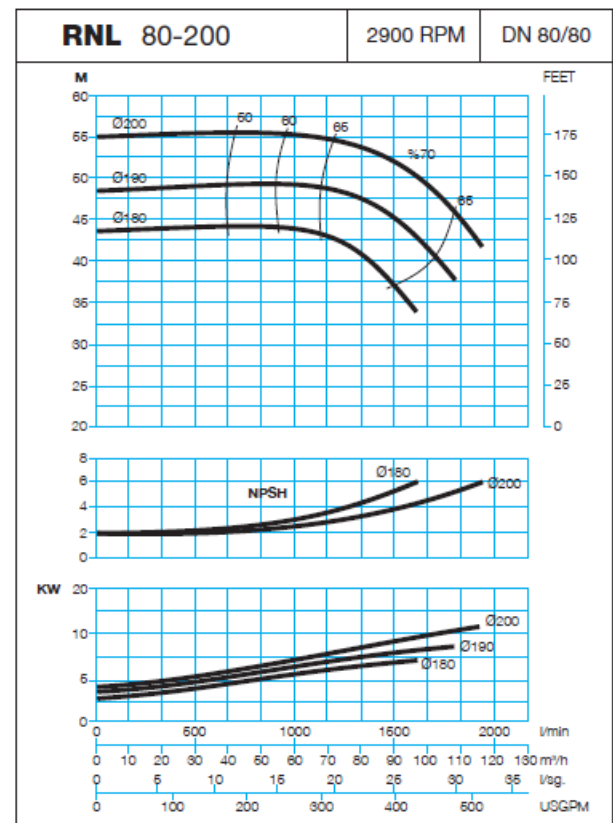
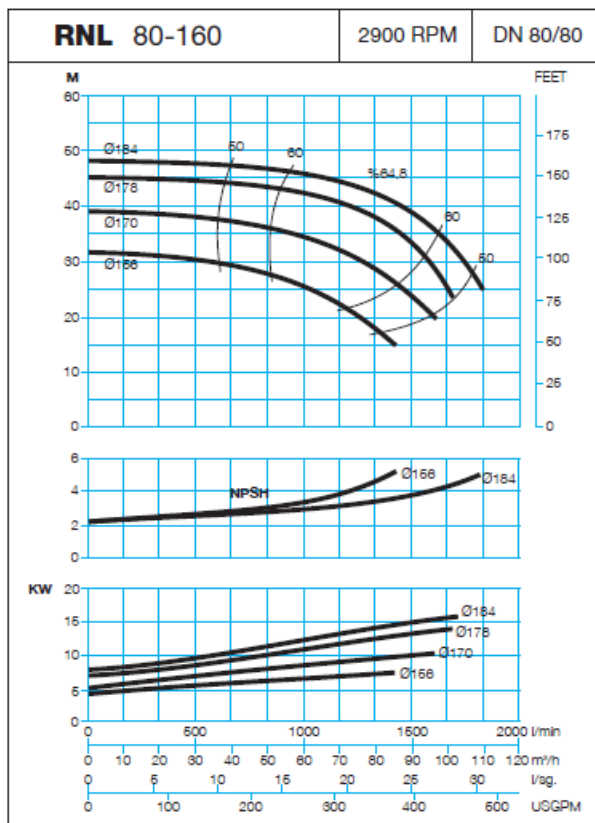
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Inline-Pumpe DN80 + DN100 bis 150m³/h

RNL (n = 2900min⁻¹)



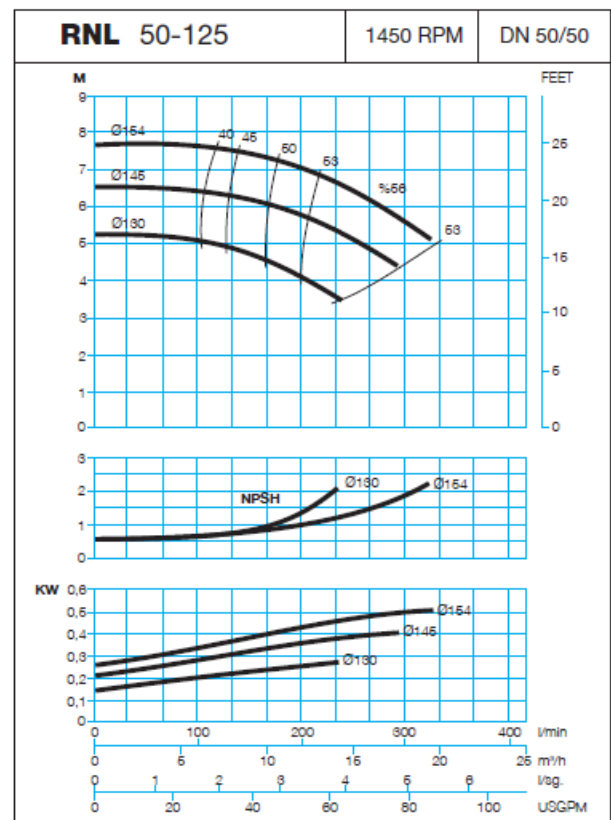
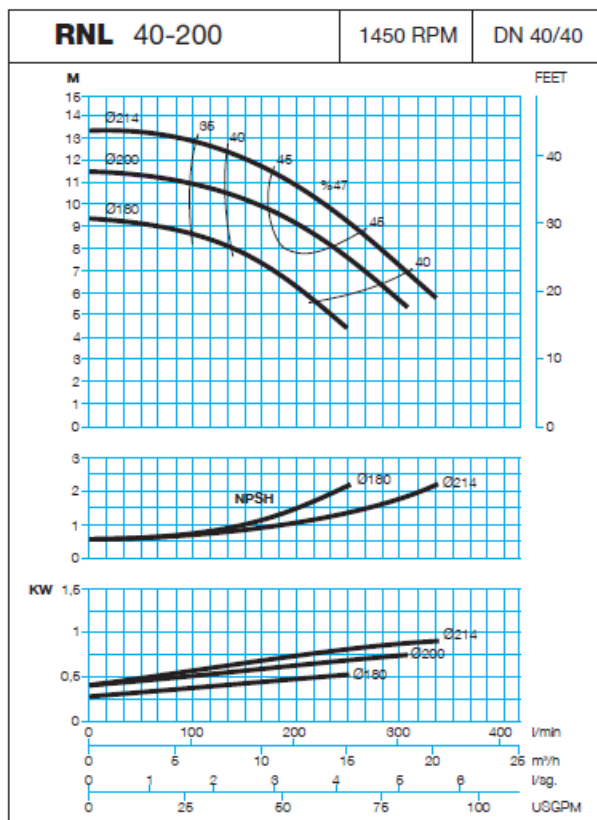
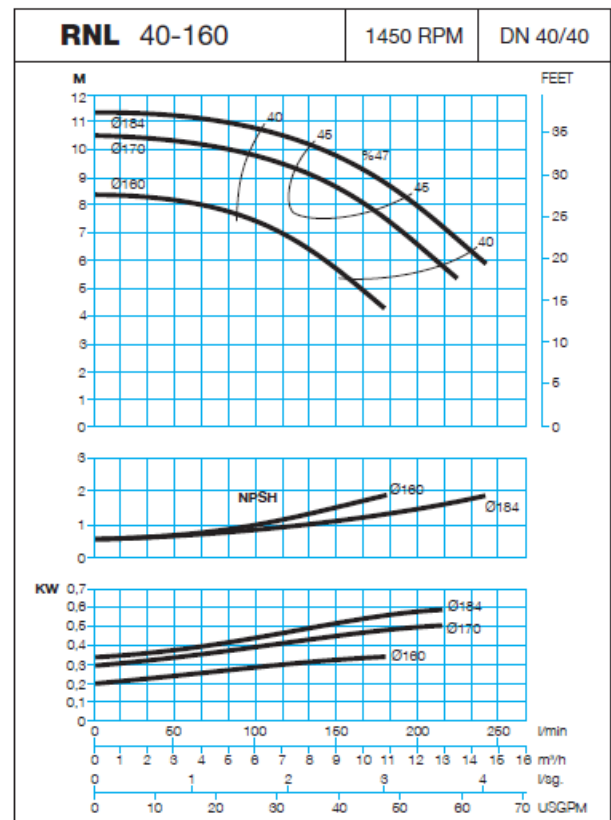
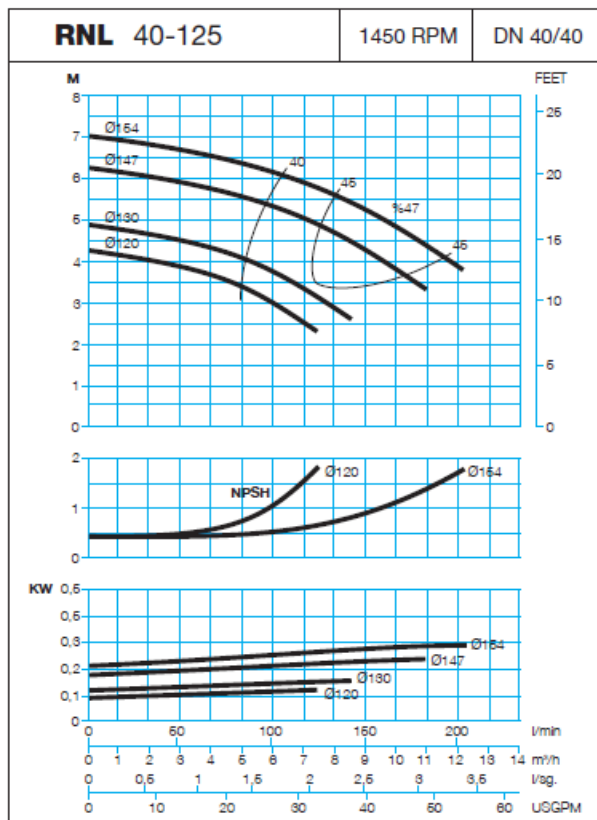
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RNL (n = 1450min⁻¹)

Inline-Pumpe DN40 + DN50 bis 20m³/h



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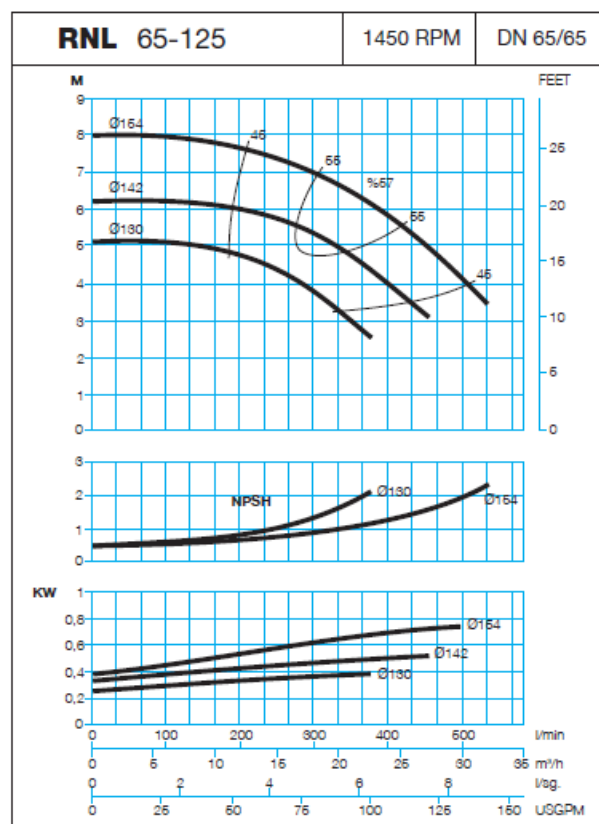
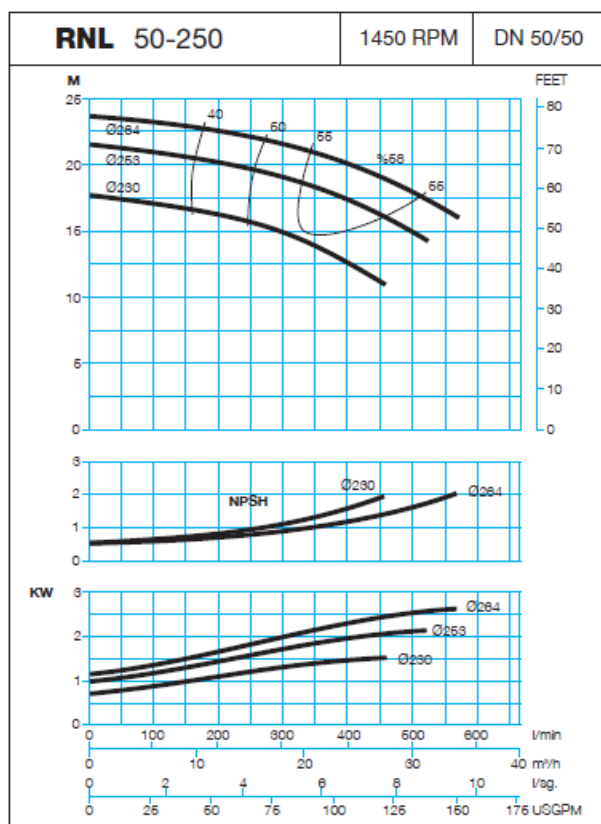
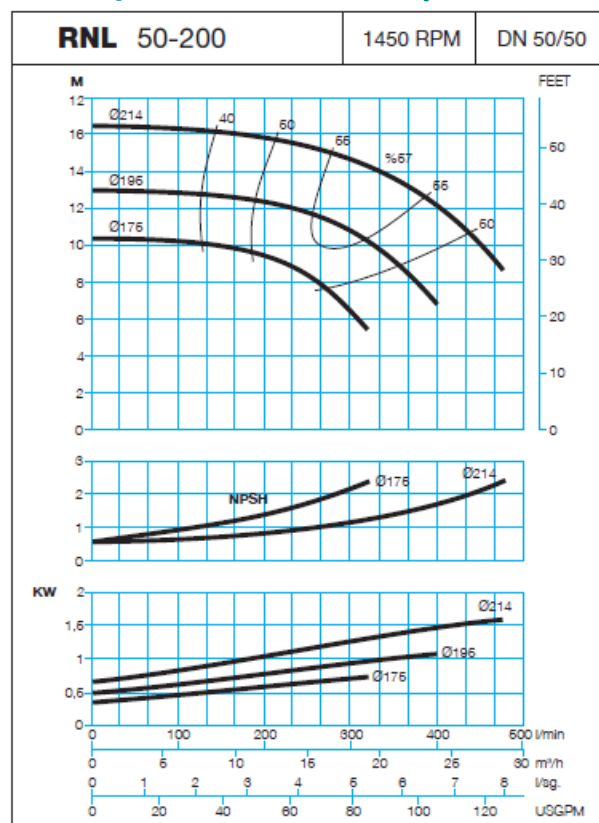
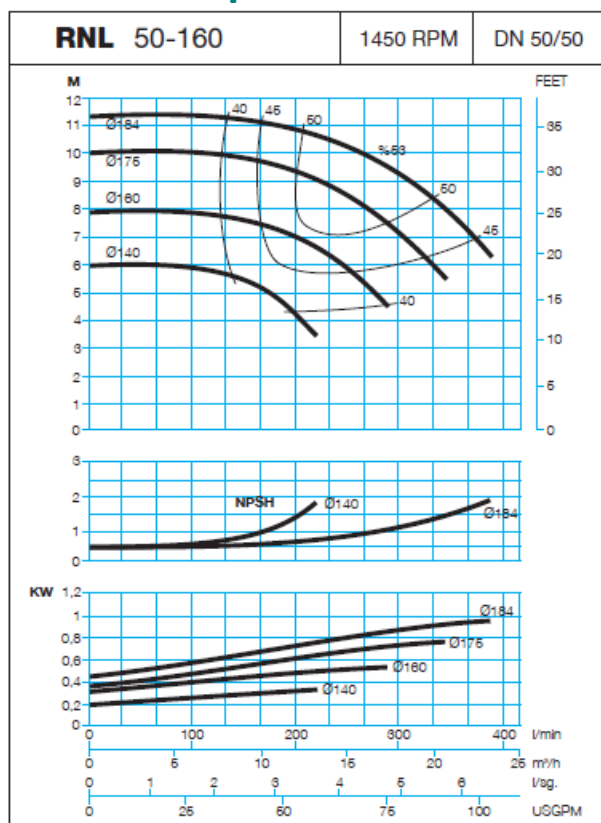
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NR-8

Inline-Pumpe DN50 + DN65 bis 30m³/h

RNL ($n = 1450 \text{ min}^{-1}$)



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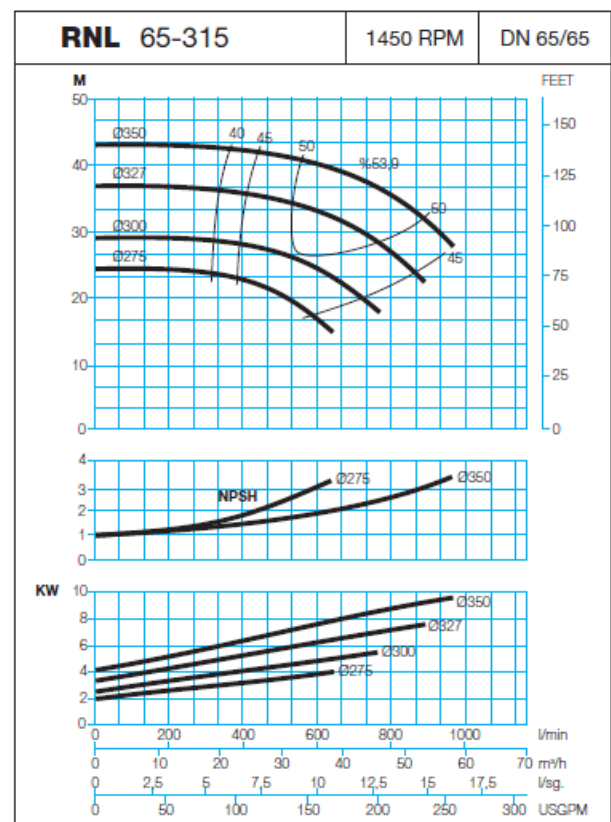
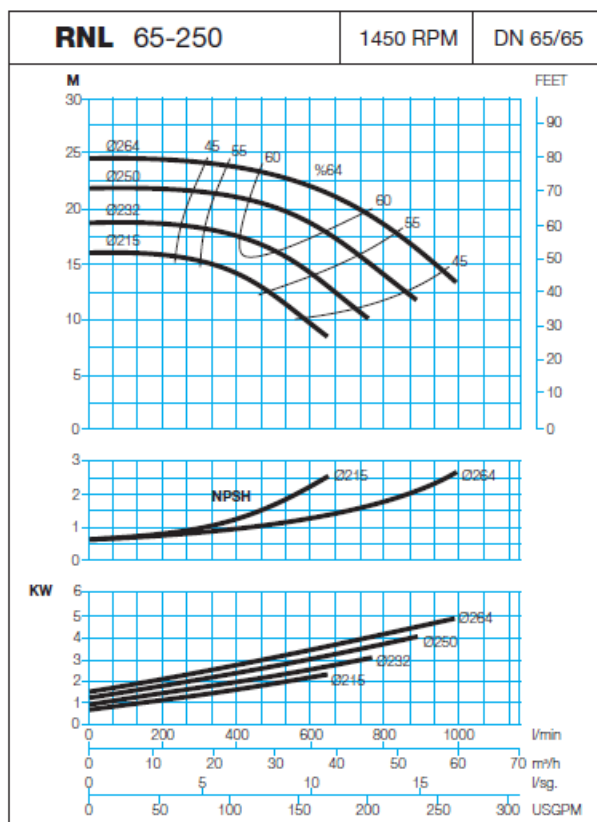
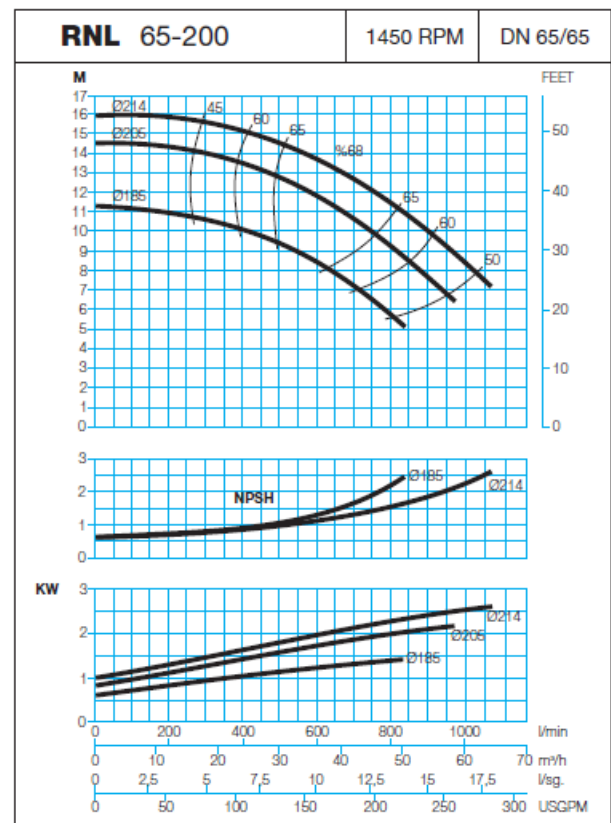
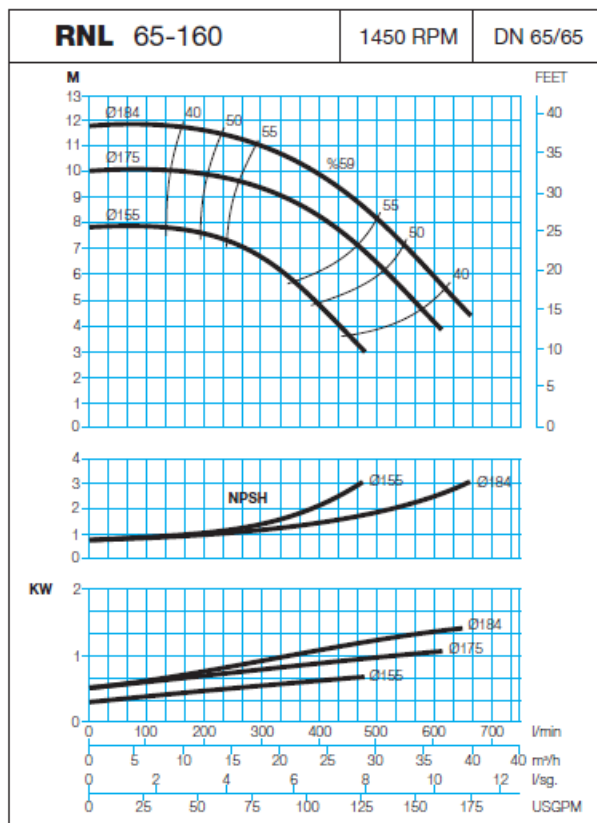


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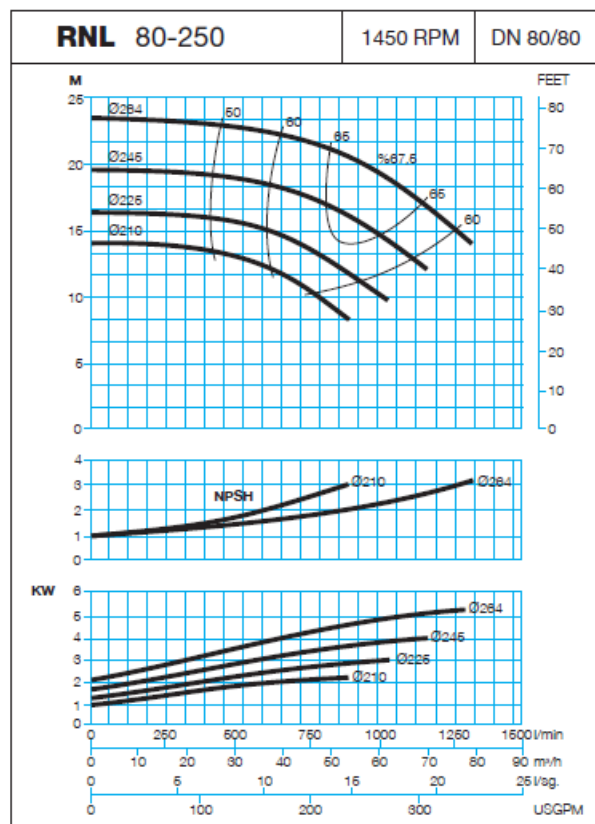
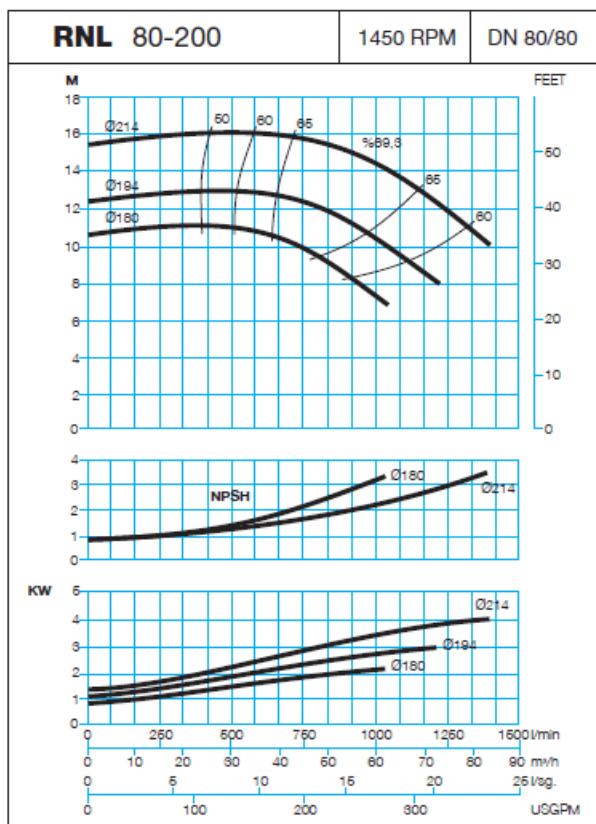
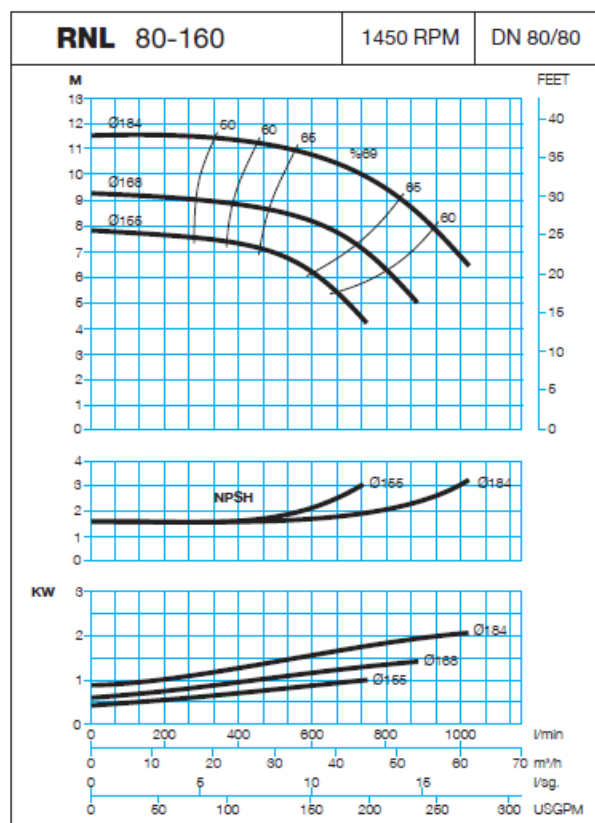
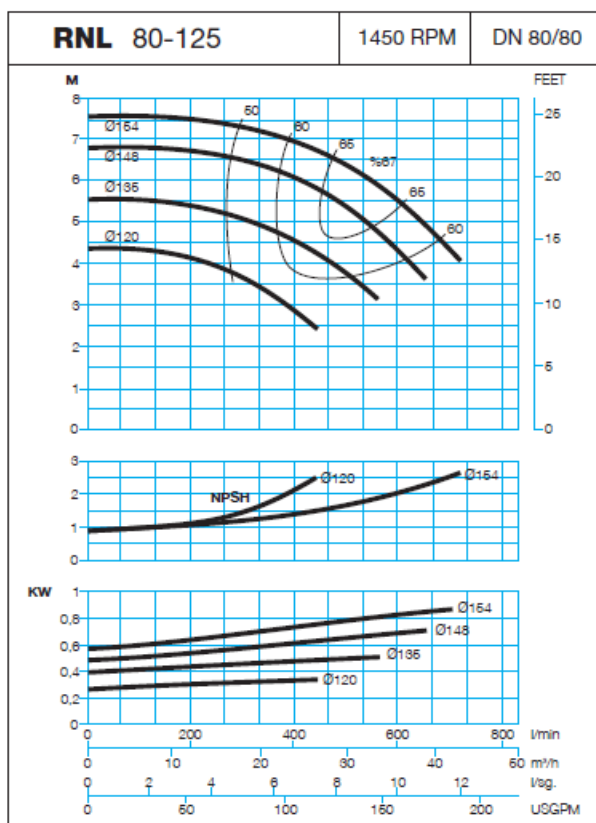
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Inline-Pumpe DN80 bis 80m³/h

RNL (n = 1450min⁻¹)



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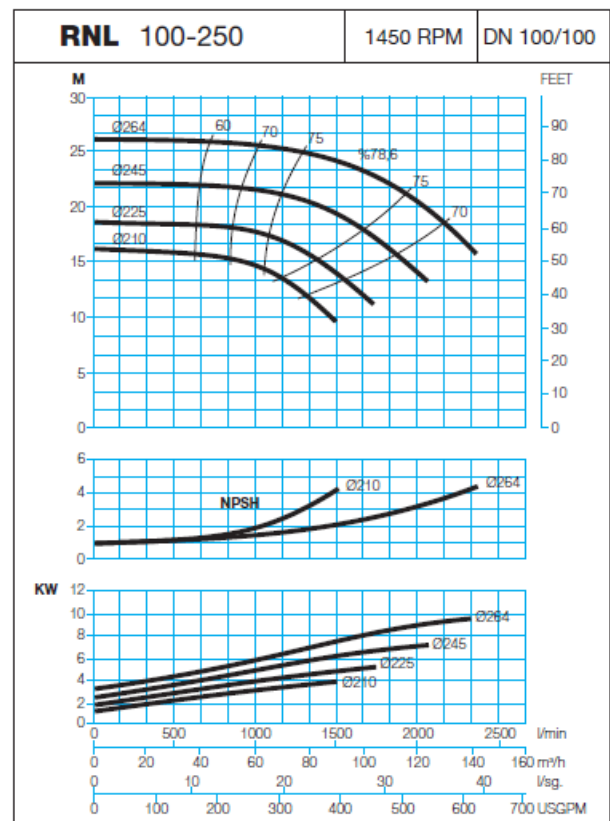
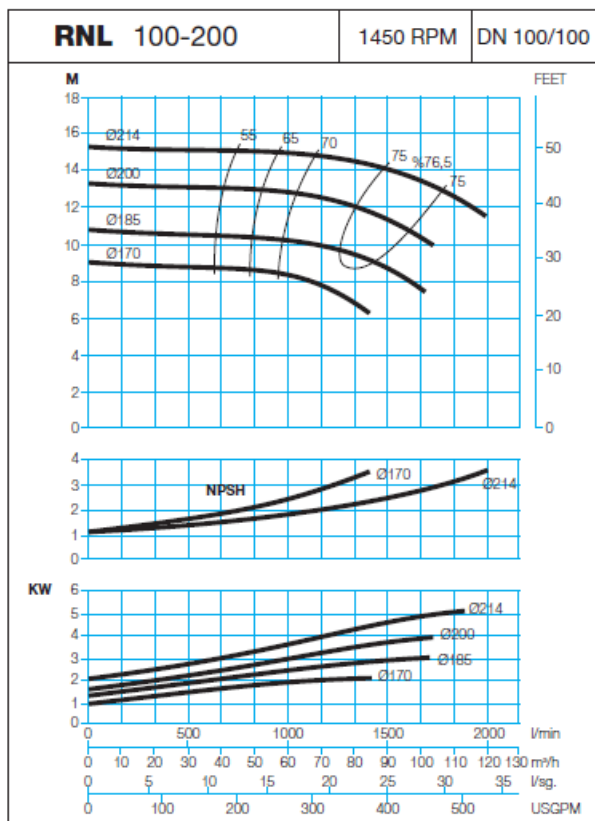
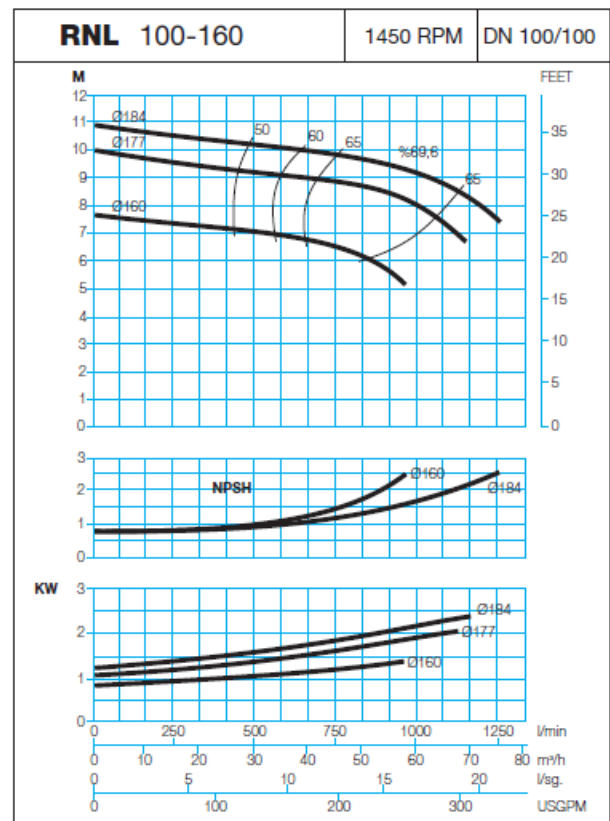
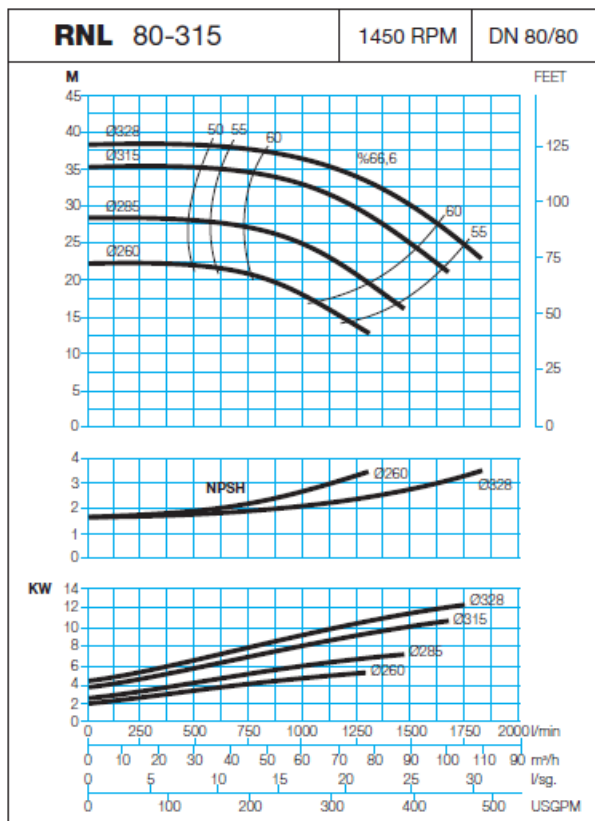
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RNL (n = 1450min⁻¹)

Inline-Pumpe DN80 + DN100 bis 140m³/h



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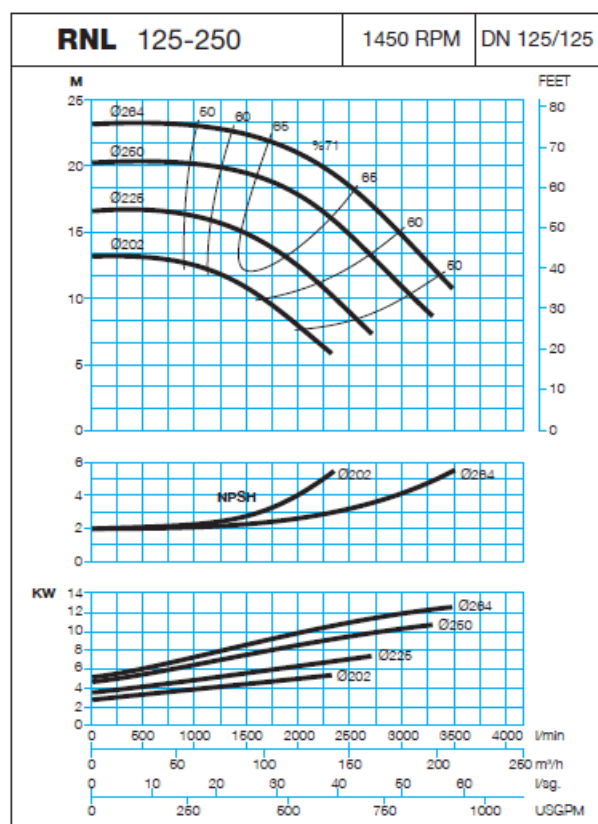
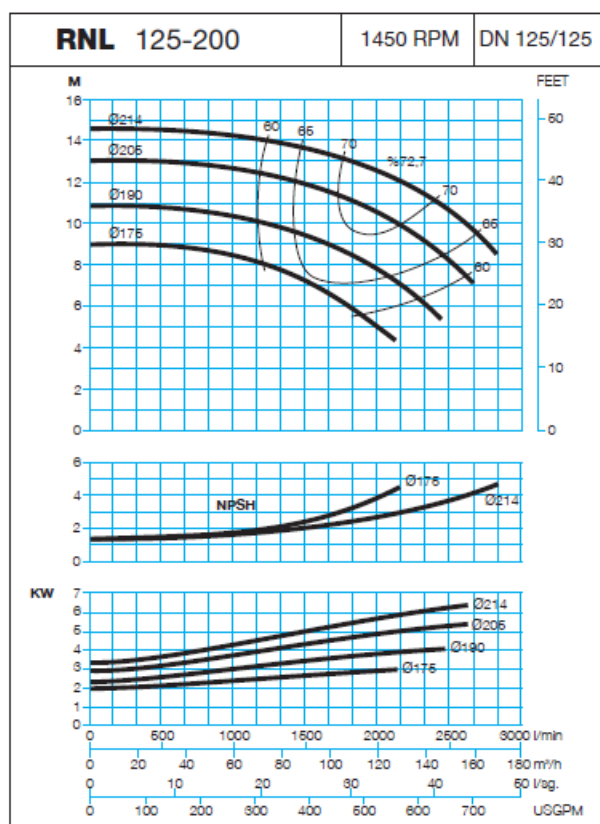
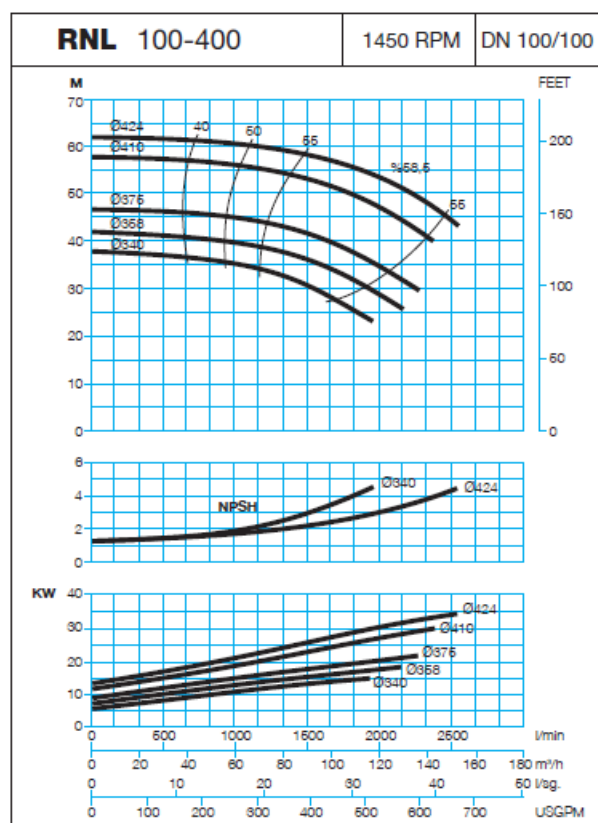
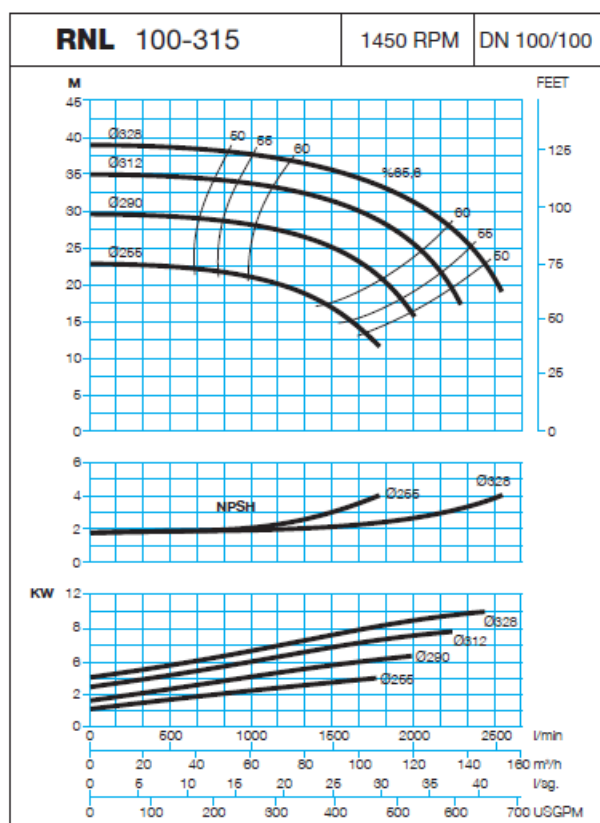
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Inline-Pumpe DN100 + DN125 bis 200m³/h

RNL (n = 1450min⁻¹)



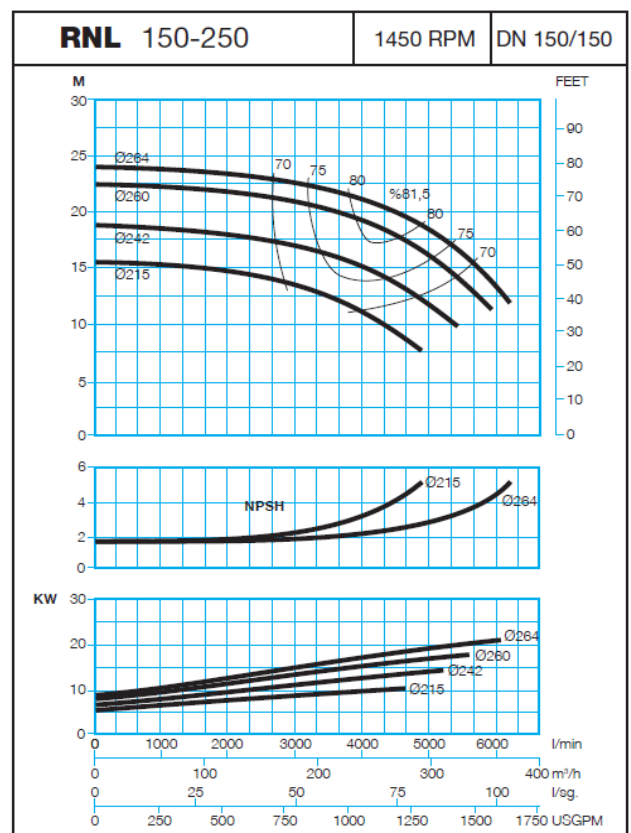
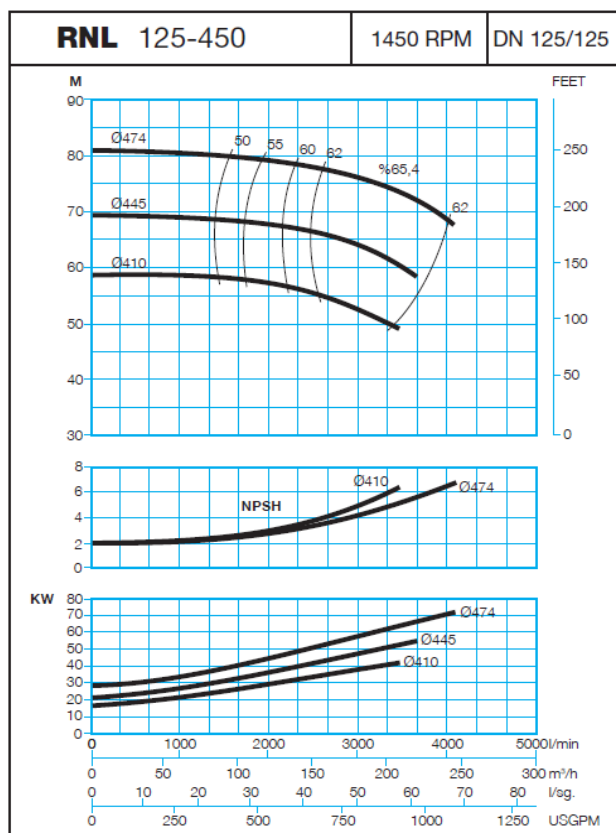
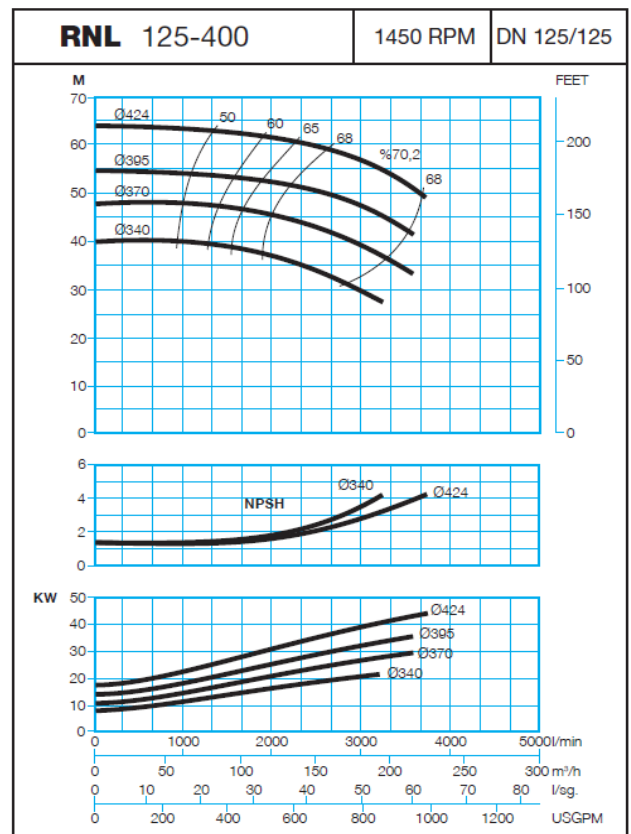
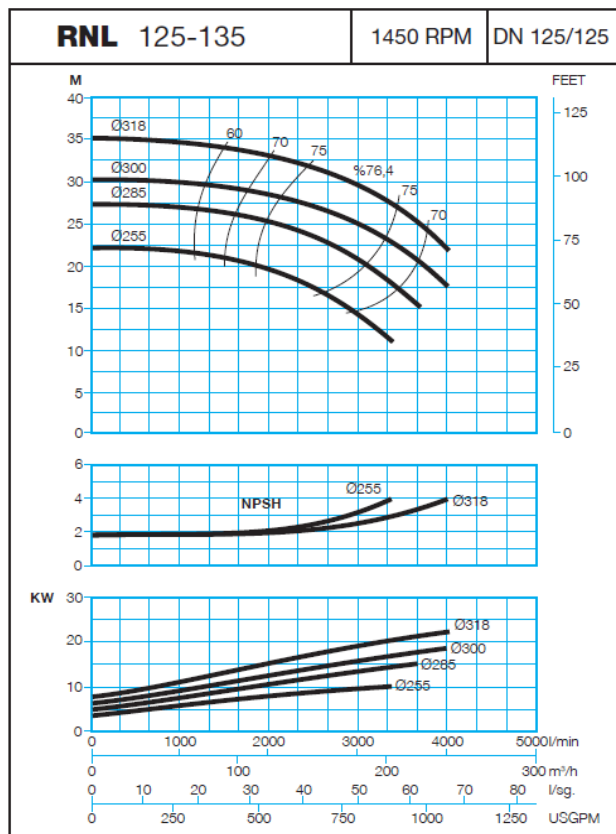
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RNL (n = 1450min⁻¹)

Inline-Pumpe DN100 + DN150 bis 350m³/h



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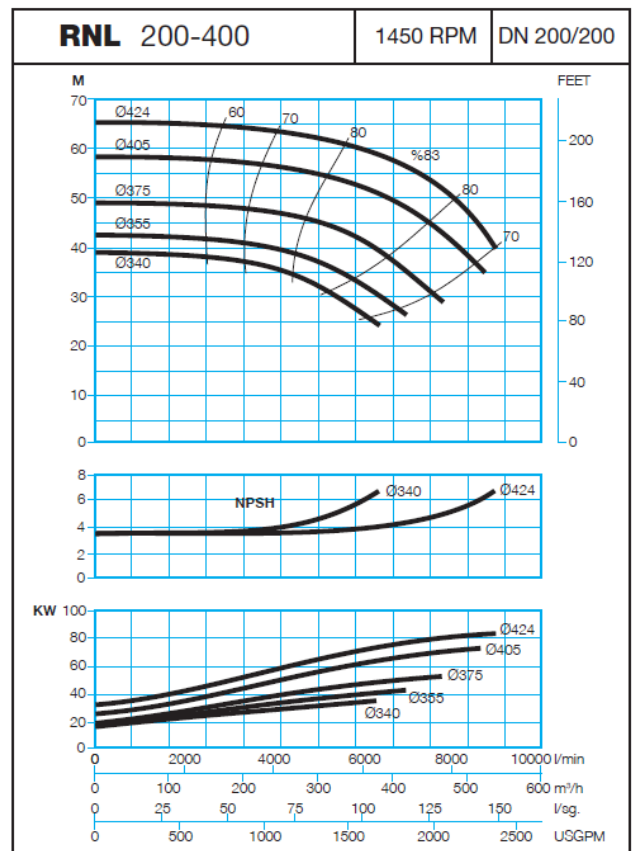
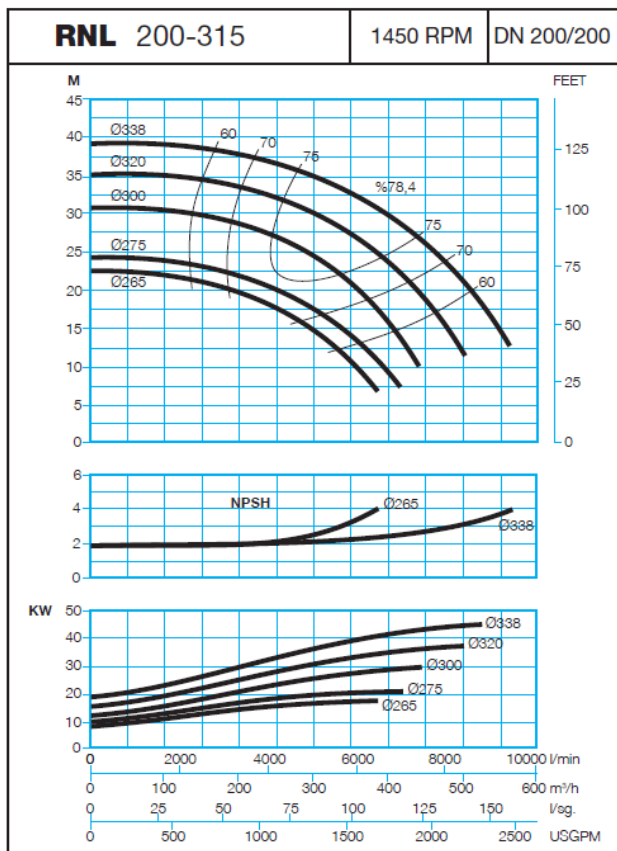
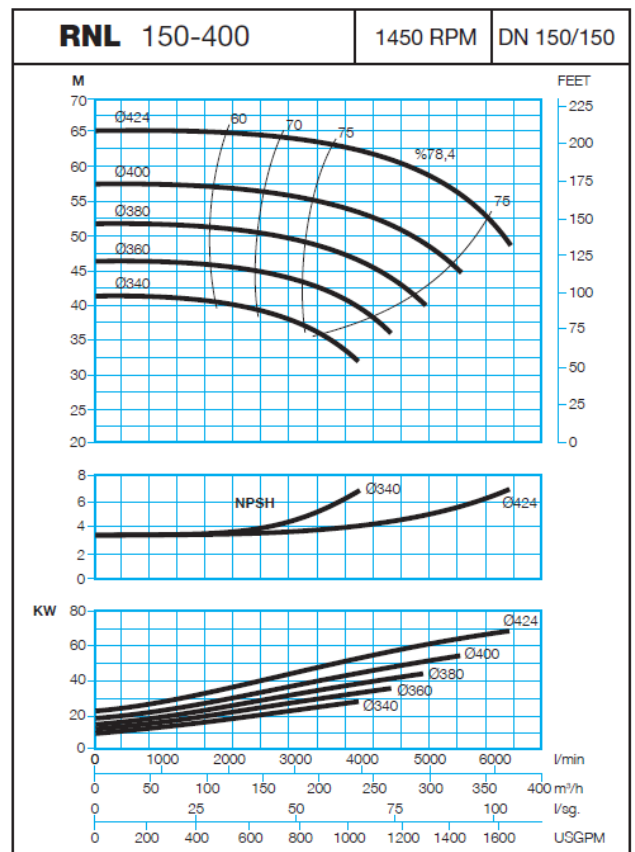
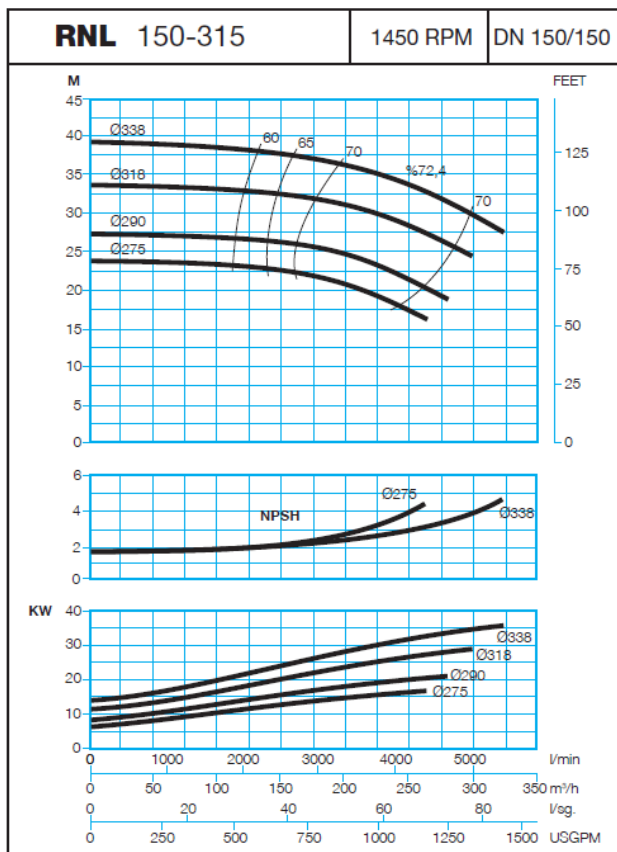
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Inline-Pumpe DN150 + DN200 bis 500m³/h

RNL (n = 1450min⁻¹)



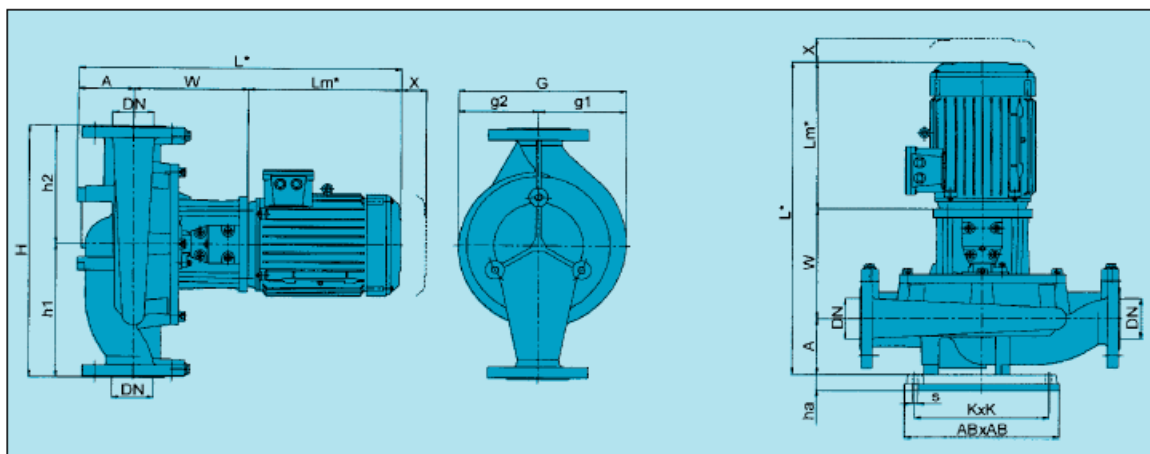
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Abmessung und Gewicht



2-poliger Motor – 2900min⁻¹

Tipo Pump Size	Diseno N. ^o Design n. ^o	MOTOR		DN	DIMENSIONES - DIMENSIONS (mm)												BASE - FOOT				(kg)
		kW	IEC	mm	A	W	Lm*	L*	H	h1	h2	X	G	g1	g2	ha	AB	K	s	Peso Weight	
RNL 40-125	D1	1.1	80M	40	75	160	230	465	300	160	140	100	208	108	100	25	200	160	14	33	
		1.5	90S			185	258	518												40	
		2.2	90L			185	258	518												42	
		3	100L			185	298	558												47	
RNL 40-160	D1	3	100L	40	75	185	298	558	340	180	160	100	236	122	114	25	200	160	14	51	
		4	112M			185	325	585												59	
		5.5	132S			215	358	648												76	
RNL 40-200	D2	4	112M	40	75	185	325	585	380	200	180	100	275	140	135	30	260	220	14	64	
		5.5	132S			215	358	648												80	
		7.5	132S			215	358	648												87	
		11	160 M			255	476	806												122	
RNL 50-125	D1	1.5	90S	50	90	185	258	533	300	160	140	100	212	110	102	25	200	160	14	53	
		2.2	90L			185	258	533												55	
		3	100L			185	298	573												60	
		4	112M			185	325	600												68	
RNL 50-160	D1	3	100L	50	90	185	298	573	340	180	160	100	238	124	114	25	200	160	14	53	
		4	112M			185	325	600												61	
		5.5	132S			215	358	663												78	
		7.5	132S			215	358	663												85	
RNL 50-200	D2	7.5	132S	50	90	215	358	663	425	225	200	100	280	145	135	30	260	220	14	93	
		11	160M			255	476	821												128	
		15	160M			255	476	821												135	
RNL 50-250	D2	11	160M	50	90	255	476	821	475	250	225	100	342	175	167	35	320	270	18	137	
		15	160M			255	476	821												144	
		18.5	160L			255	476	821												159	
		22	180M			255	519	864												182	
RNL 65-125	D1	3	100L	65	110	185	298	593	340	180	160	100	222	120	102	25	200	160	14	55	
		4	112M			185	325	620												63	
		5.5	132S			215	358	683												78	
RNL 65-160	D1	5.5	132S	65	110	215	358	683	380	200	180	100	252	136	116	30	260	220	14	84	
		7.5	132S			215	358	683												91	
		11	160M			255	476	841												123	
RNL 65-200	D2	11	160M	65	110	255	476	841	475	250	225	100	315	162	153	35	320	270	18	137	
		15	160M			255	476	841												144	
		18.5	160L			255	476	841												159	
		22	180M			255	519	884												182	
RNL 65-250	D2	15	160M	65	110	255	476	841	475	250	225	125	343	177	166	35	320	270	18	148	
		18.5	160L			255	476	841												163	
		22	180M			255	519	884												186	
RNL 80-125	D1	4	112M	80	130	185	325	640	380	200	180	125	252	138	114	30	260	220	14	65	
		5.5	132S			215	358	703												84	
		7.5	132S			215	358	703												91	
RNL 80-160	D1	7.5	132S	80	130	215	358	703	425	225	200	125	280	152	128	30	260	220	14	101	
		11	160M			255	476	861												132	
		15	160M			255	476	861												139	
		18.5	160L			255	476	861												154	
RNL 80-200	D2	15	160M	80	130	255	476	861	475	250	225	125	315	170	145	35	320	270	18	145	
		18.5	160L			255	476	861												160	
		22	180M			255	519	904												173	
RNL 100-160	D1	11	160M	100	150	255	476	881	475	250	225	140	292	162	130	35	320	270	18	149	
		15	160M			255	476	881												156	
		18.5	160L			255	476	881												171	
		22	180M			255	519	924												194	

Abmessung und Gewicht

4-poliger Motor – 1450min⁻¹

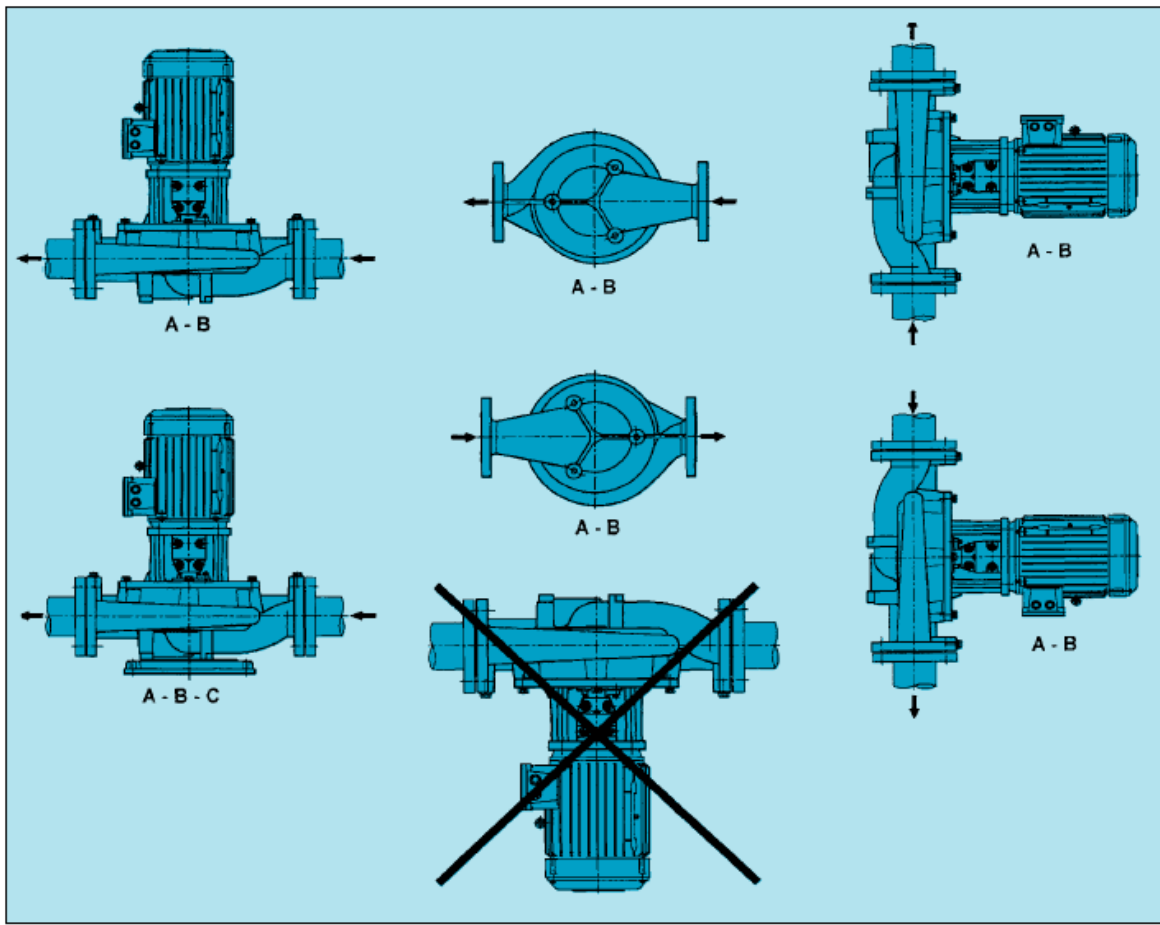
Tipo Pump Size	Diseño N.º Design No	MOTOR			DN mm	DIMENSIONES - DIMENSIONS (mm)												BASE - FOOT				(kg) Peso Weight									
		kW	IEC	mm		A	W	Lm*	L*	H	h1	h2	X	G	g1	g2	ha	AB	K	s											
RNL 40-125	D1	0.12	63M	40	75	160	185	420	300	160	140	100	208	108	100	25	200	160	14	28											
		0.18	63M			160	185	420												28											
		0.25	71M			160	213	448												30											
		0.37	71M			160	213	448												31											
RNL 40-160	D1	0.37	71M	40	75	160	213	448	340	180	160	100	236	122	114	25	200	160	14	37											
		0.55	80M			160	230	465												39											
		0.75	80M			160	230	465												40											
		0.55	80M			160	230	465												45											
RNL 40-200	D1	0.75	80M	40	75	160	230	465	380	200	180	100	275	140	135	30	260	220	14	45											
		1.1	90S			185	258	518												46											
		0.25	71M			160	213	463												50											
		0.37	71M			160	213	463												50											
RNL 50-125	D1	0.37	71M	50	90	160	213	463	300	160	140	100	212	110	102	25	200	160	14	33											
		0.55	80M			160	230	480												34											
		0.37	71M			160	213	463												36											
		0.55	80M			160	230	480												38											
RNL 50-160	D1	0.55	80M	50	90	160	213	463	340	180	160	100	238	124	114	25	200	160	14	40											
		0.75	80M			160	230	480												41											
		1.1	90S			160	258	508												45											
		0.75	80M			160	230	480												45											
RNL 50-200	D1	1.1	90S	50	90	185	258	533	425	225	200	100	280	145	135	30	260	220	14	48											
		1.5	90L			185	258	533												50											
		2.2	90L			185	258	533												50											
		1.5	90L			185	258	533												60											
RNL 50-250	D1	2.2	100L	50	90	185	298	573	475	250	225	100	342	175	167	35	320	270	18	66											
		3	100L			185	298	573												69											
		0.37	71M			160	213	483												28											
		0.55	80M			160	230	500												30											
RNL 65-125	D1	0.55	80M	65	110	160	230	500	340	180	160	100	222	120	102	25	200	160	14	30											
		0.75	80M			160	230	500												31											
		0.75	80M			160	230	500												56											
		1.1	90S			185	258	553												60											
RNL 65-160	D1	1.1	90S	65	110	185	258	553	380	200	180	100	252	136	116	30	260	220	14	62											
		1.5	90L			185	258	553												66											
		1.5	90L			185	258	553												72											
		2.2	100L			185	298	593												75											
RNL 65-200	D1	2.2	100L	65	110	185	298	593	475	250	225	100	315	162	153	35	320	270	18	80											
		3	100L			185	298	593												83											
		4	112M			185	325	620												90											
		5.5	132S			185	375	670												100											
RNL 65-250	D1	5.5	132S	65	110	185	325	620	475	250	225	125	343	177	166	35	320	270	18	90											
		4	112M			200	325	655												100											
		5.5	132S			230	358	718												132											
		7.5	132M			230	399	759												144											
RNL 65-315	D2	7.5	132M	65	130	230	399	759	560	280	280	125	418	216	202	45	440	380	23	165											
		11	160M			270	476	896												186											
		0.37	71M			160	213	503												45											
		0.55	80M			160	230	520												47											
RNL 80-125	D1	0.55	80M	80	130	160	230	520	380	200	180	125	252	138	114	30	260	220	14	48											
		1.1	90S			185	258	573												53											
		1.5	90L			185	258	573												61											
		2.2	100L			185	298	613												63											
RNL 80-160	D1	2.2	100L	80	130	185	298	613	425	225	200	125	280	152	128	30	260	220	14	69											
		3	100L			185	298	613												71											
		4	112M			185	325	640												81											
		2.2	100L			200	298	638												92											
RNL 80-200	D1	3	100L	80	130	185	298	613	475	250	225	125	315	170	145	35	320	270	18	74											
		4	112M			185	325	640												81											
		2.2	100L			200	298	638												92											
		3	100L			200	298	638												95											
RNL 80-250	D1	5.5	132S	80	140	230	325	695	560	280	280	125	379	197	182	40	400	350	18	102											
		7.5	132S			230	358	728												126											
	D2	7.5	132S			230	358	738												595	315	280	140	425	220	205	45	440	380	23	146
		11	160M			230	399	779																							167
RNL 80-315	D2	15	160L	80	150	270	476	896	595	315	280	140	425	220	205	45	440	380	23	190											
		15	160L			270	476	896												204											
		1.5	90L			125	258	533												71											
		2.2	100L			135	298	583												77											
RNL 100-160	D1	3	100L	100	150	135	298	583	475	250	225	140	292	162	130	35	320	270	18	80											
		2.2	100 L			200	258	628												88											
		3	100 L			200	298	668												91											
		4	112M			230	325	725												98											
RNL 100-200	D1	5.5	132S	100	170	230	358	758	525	275	250	140	362	192	170	35	320	270	18	114											
		7.5	132S			230	399	799												133											
	D2	7.5	132S			230	358	758												580	300	280	140	384	206	178	40	400	350	18	154
		11	160M			270	476	916																							175
RNL 100-250	D2	11	160M	100	170	230	399	789	580	300	280	140	384	206	178	40	400	350	18	187											
		7.5	132M			270	476	906												208											
		15	160L			270	476	906												222											
		18.5	180M			270	519	949												251											
RNL 100-315	D2	15	160L	100	160	300	476	926	670	355	315	140	455	240	215	45	480	420	23	287											
		18.5	180M			300	519	969												316											
		22	180L			300	519	969												324											
		30	200L			300	555	1005												373											
RNL 100-400	D3	37	225S	100	150	330	625	1105	800	400	400	160	558	288	270	45	480	420	23	430											
		3	100L			225	298	703												118											
		4	112M			225	325	730												125											
		5.5	132S			255	358	793												147											
RNL 125-200	D2	7.5	132M	125	180	255	399	834	560	280	280	140	390	208	182	45	440	380	23	168											
		5.5	132S			255	358	793												154											
		7.5	132M			255	358	793												175											
		11	160M			295	476	951												205											
RNL 125-250	D2	15	160L	125	180	295	476	951	630	315	315	140	413	218	195	45	440	380	23	226											
		11	160M			295	476	951												240											
		15	160L			295	476	951												218											
		18.5	180M			295	476	931												232											
RNL 125-315	D2	22	180L	125	160	295	519	974	710	355	355	140	488	258	230	45	480	420	23	261											
		18.5	180M			295	519	974												261											
		22	180L			295	519	974												261											
		22	180L			295	519	974												261											

Abmessung und Gewicht

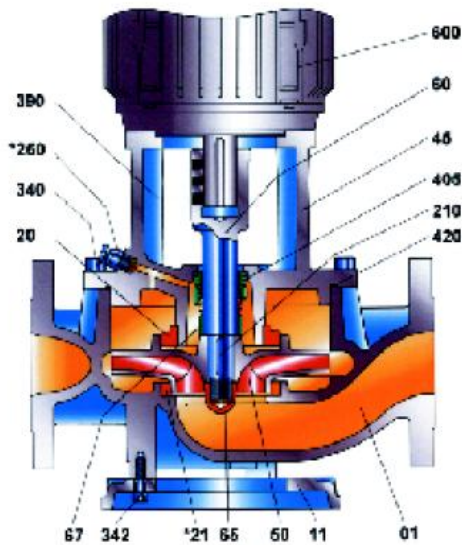
4-poliger Motor – 1450min⁻¹

Tipo Pump Size	Diseno N° Design No	MOTOR		DN mm	DIMENSIONES - DIMENSIONS (mm)												BASE - FOOT				(kg) Peso Weight
		kW	IEC		A	W	Lm*	L*	H	h1	h2	X	G	g1	g2	ha	AB	K	s		
RNL 125-400	D3	22	180L	125	100	325	519	944	800	400	400	160	562	292	270	45	480	420	23	327	
		30	200L			325	555	980												376	
		37	225S			355	625	1080												438	
		45	225M			355	625	1080												475	
RNL 125-450	D3	45	225 M	125	160	355	625	1140	850	425	425	160	613	316	297	20	500	450	23	460	
		55	250 M			355	750	1265												480	
		75	280 S			355	818	1333												730	
RNL 150-250	D2	11	160M	150	180	320	476	976	710	355	355	140	474	254	220	45	480	420	23	234	
		15	160L			320	476	976												248	
		18.5	180M			320	519	1019												277	
		22	180L			320	519	1019												285	
RNL 150-315	D3	18.5	180M	150	180	360	519	1059	710	355	355	160	548	290	258	20	500	450	23	329	
		22	180L			360	519	1059												337	
		30	200L			360	555	1095												386	
		37	225S			390	625	1195												445	
RNL 150-400	D3	30	200L	150	180	360	555	1065	800	400	400	160	604	314	290	20	500	450	23	460	
		37	225S			390	625	1195												483	
		45	225M			390	625	1195												520	
		55	250M			395	750	1295												540	
		75	280S			395	818	1363											790		
RNL 200-315	D3	18.5	180M	200	200	400	519	1119	600	450	350	160	547	295	252	20	500	450	23		
		22	180L			400	519	1119													
		30	200L			400	555	1155													
		37	225S			430	625	1255													
		45	225M			430	625	1255													
RNL 200-400	D3	37	225S	200	200	430	625	1255	900	500	400	160	618	328	290	20	500	450	23		
		45	225M			430	625	1255													
		55	250M			430	750	1380													
		75	280S			430	818	1448													
		90	280M			430	870	1500													

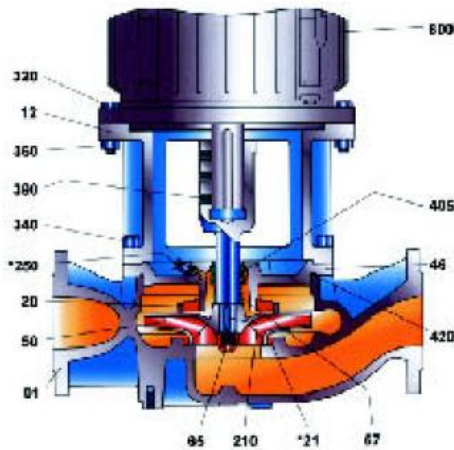
Einbau (A und B = korrekter Einbau)



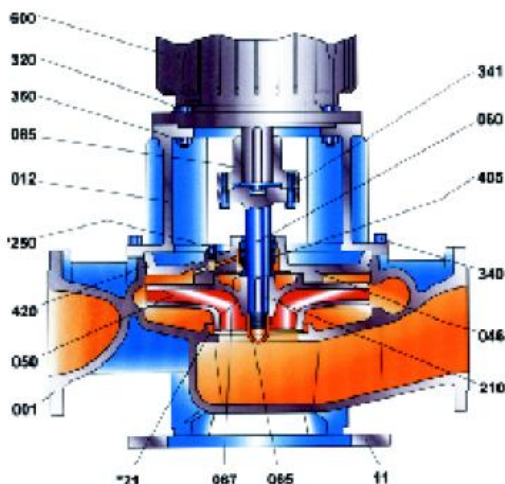
Schnittzeichnung und Teileliste



DISEÑO N.º 1
DESIGN N.º 1



DISEÑO N.º 2
DESIGN N.º 2



DISEÑO N.º 3
DESIGN N.º 3

DESPIECE

- 01 Cuerpo de bomba
- 11 Soporte base
- 12 Soporte motor
- 20 Aro desgaste
- *21 Aro desgaste
- 45 Tapa cierre mecánico
- 46 Tapa cierre mecánico
- 50 Rodete
- 60 Eje bomba
- 65 Tuerca sujeción rodete
- 67 Casquillo eje
- 85 Acoplamiento rígido
- 210 Chaveta
- 250 Tapón cebado
- 320 Tornillería exagonal
- 321 Tornillería exagonal
- 340 Tornillería
- 341 Tornillería
- 342 Tornillería
- 343 Tornillería
- 360 Tuerca exagonal
- 370 Arandela plana
- 390 Prisionero
- 391 Espaciador
- 405 Cierre mecánico
- 420 Junta tórica
- 600 Motor

(*) Opcional

PART LIST

- 01 Volute Casing
- 11 Base Plate (Foot)
- 12 Adapter
- 20 Wear Ring
- *21 Wear Ring
- 45 Mechanical Seal Cover
- 46 Mechanical Seal Cover
- 50 Impeller
- 60 Pump Shaft
- 65 Impeller Nut
- 67 Spacer Sleeve
- 85 Rigid Coupling
- 210 Impeller Key
- 250 Air Vent Screw
- 320 Hex. Head Bolt
- 321 Hex. Head Bolt
- 340 Bolt
- 341 Bolt
- 342 Bolt
- 343 Imbus Head Bolt
- 360 Hex. Nut
- 370 Washer
- 390 Pin
- 391 Space Adjustment Piece
- 405 Mechanical Seal
- 420 O-Ring
- 600 Electric Motor

(*) Options