

**NRC  
NR**

**Close Coupled  
In-line Pumps**

**n = 1450 1/min**

**n = 2900 1/min**



 **calpeda<sup>®</sup>**

**CE**

# NR, NR4

## In-line Pumps

$n \approx 2900$  rpm  
 $n \approx 1450$  rpm



### Construction

Close-coupled, single-impeller, centrifugal pumps; electric motor with extended shaft directly connected to the pump. Pump casing with suction and delivery connections with the same diameter and on the same axis (in-line).

**Connections:** Flanges PN 10, EN 1092-2.

**Counterflanges** (on request)

Sizes	Flanges
NR, NR4 40, 50, 65	Screwed flanges PN 16, EN 1092-1
NR4 100, NR4 125	Flanges for welding PN 10, EN 1092-1

### Applications

For clean liquids, without abrasives, which are non-aggressive for the pump materials (contents of solids up to 0.2%).  
For heating, conditioning, cooling and circulation plants.  
For civil and industrial applications.  
When low noise operation is required ( $n = 1450$  rpm).

### Operating conditions

Liquid temperature from  $-10$  °C to  $+90$  °C.  
Ambient temperature up to  $40$  °C.  
Total suction lift up to  $7$  m.  
Maximum permissible working pressure up to  $10$  bar.  
Continuous duty.

### Motor

4-pole induction motor, 50 Hz ( $n = 1450$  rpm).  
**NR4:** three-phase 230/400 V  $\pm 10\%$  up to 3 kW;  
400/690 V  $\pm 10\%$  for 4 kW.  
**NRM4:** single-phase 230 V  $\pm 10\%$ .  
2-pole induction motor, 50 Hz ( $n = 2900$  rpm).  
**NR:** three-phase 230/400 V  $\pm 10\%$  up to 3 kW;  
400/690 V  $\pm 10\%$  from 4 to 18.5 kW.  
**NRM:** single-phase 230 V  $\pm 10\%$ .  
Insulation class F.  
Protection IP 54.  
**Classification scheme IE2 for three-phase motor from 0,75 kW.**  
Constructed in accordance with EN 60034-1, EN 60034-30,  
EN 60335-1, EN 60335-2-41.

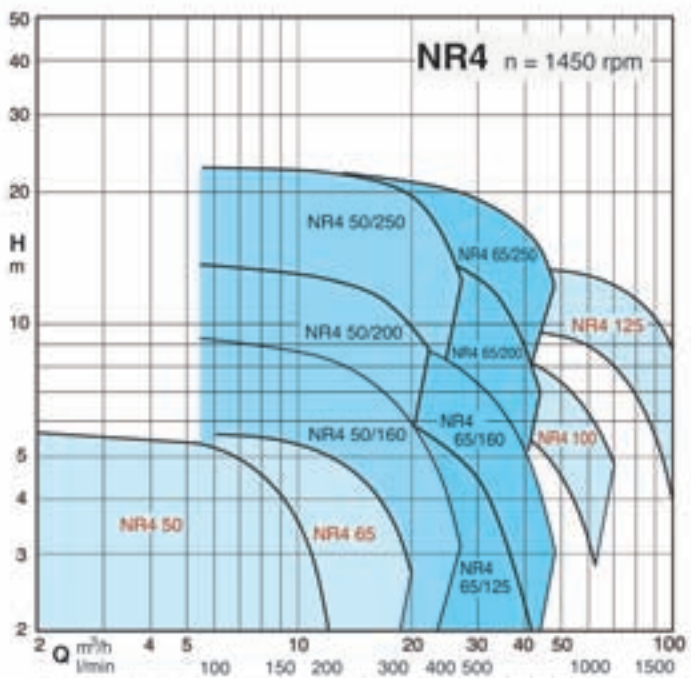
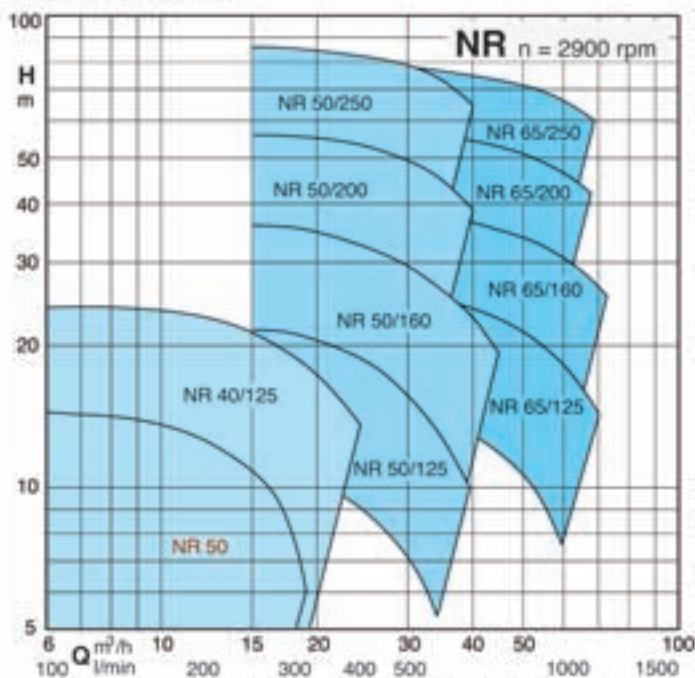
### Materials

Component	Material
Pump casing Lantern bracket	Cast iron GJL 200 EN 1561
Impeller	Cast iron GJL 200 EN 1561 (Brass P-Cu Zn Pb 2 EN 1962 for NR-NR4 50, NR-NR4 50/200)
Shaft	Chrome-nickel steel AISI 303 for pumps up to 1.1 kW Chrome steel AISI 430 for pumps from 1.5 to 4 kW
Mechanical seal	Carbon - Ceramic - NBR
Counterflanges	Steel Fe 42 UNI 7070

### Special features on request

- Other voltages.
- Protection IP 55.
- Higher or lower liquid or ambient temperatures.
- Special mechanical seal.
- Motor suitable operation with frequency converter.

### Coverage chart





### Performance $n \approx 1450$ rpm

3 -	230V 400V		1 -	230V P1		P2		Q m <sup>3</sup> /h l/min													
	A	A		A	kW	kW	HP		0	2	4	6	8	10	12	14	16	18	20	25	
NR4 50C/A	1,4	0,8	NR4M 50C/A	2,1	0,27	0,25	0,34	H m	3,9	3,9	3,8	3,3	2,5								
NR4 50B/A	1,4	0,8	NR4M 50B/A	2,1	0,29	0,25	0,34		4,7	4,7	4,6	4,3	3,5	2,3							
NR4 50A/A	1,4	0,8	NR4M 50A/A	2,1	0,33	0,25	0,34		5,6	5,6	5,5	5,2	4,5	3,5	2						
NR4 65C/A	1,4	0,8	NR4M 65C/A	2,1	0,31	0,25	0,34		3,8			3,8	3,7	3,5	3,1	2,6	1,9				
NR4 65B/A	2,1	1,2				0,37	0,5		4,7			4,7	4,6	4,5	4,2	3,8	3,2	2,5			
NR4 65A/A	2,1	1,2				0,37	0,5		5,6			5,6	5,5	5,3	5	4,6	4,1	3,5	2,7		

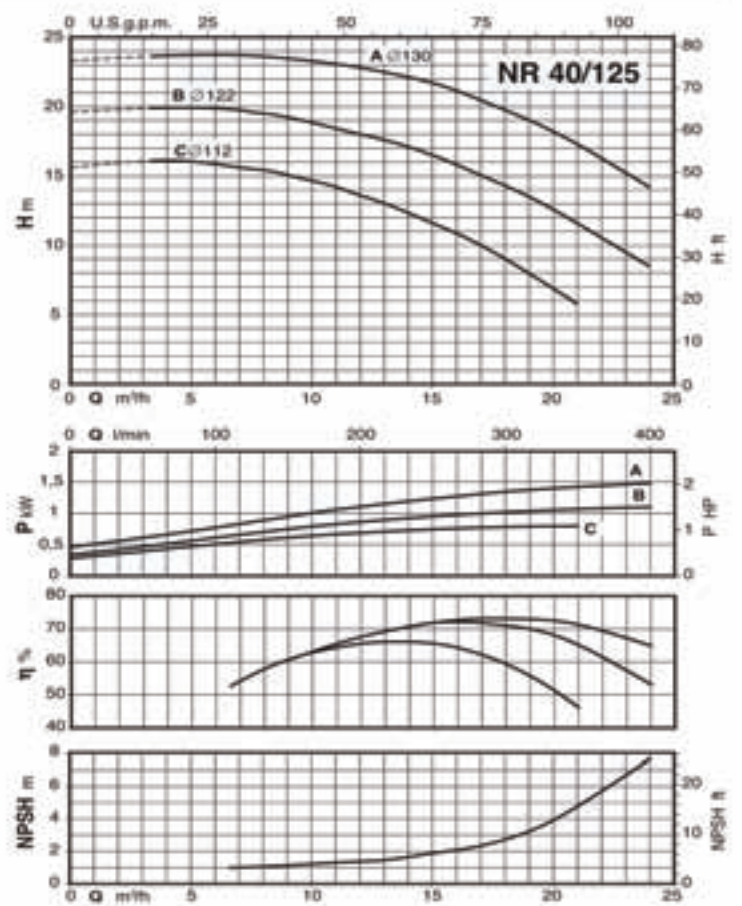
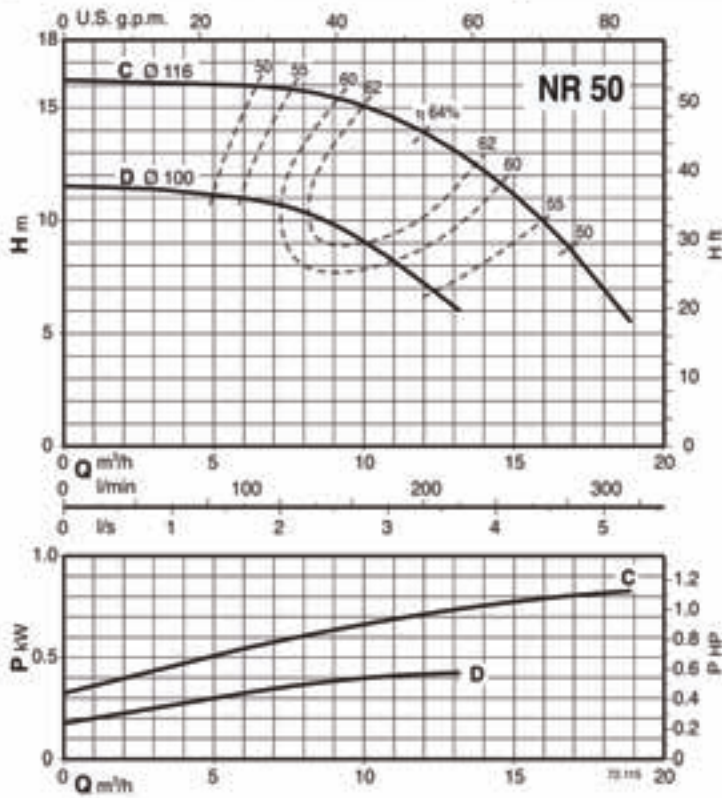
3 -	230V 400V		P2		Q m <sup>3</sup> /h l/min																	
	A	A	kW	HP		0	5,4	6	7,5	8,4	9,6	10,8	12	13,2	15	16,8	18,9	21	24	27	30	
NR4 50/160C	1,6	0,92		0,37	0,5	5,9	5,9	5,8	5,7	5,6	5,4	5,2	5	4,7	4,2	3,7	3,1	2,3				
NR4 50/160B	2,6	1,5		0,55	0,75	7,3	7,4	7,4	7,2	7,1	6,9	6,7	6,4	6,2	5,7	5,2	4,5	3,8	2,5			
NR4 50/160A/A	3,3	1,9		0,75	1	9,2	9,2	9,2	9,1	9	8,9	8,7	8,4	8,2	7,6	7,1	6,4	5,6	4,4	3,1		
NR4 50/200B/A	5	2,9		1,1	1,5	12,8	12,6	12,5	12,3	12,1	11,9	11,5	11,2	10,7	10	9,2	8,2	7,1	5,2			
NR4 50/200A/A	5	2,9		1,1	1,5	14,3	14,1	14	13,9	13,7	13,5	13,2	12,8	12,4	11,7	11	10	8,8	7,3			
NR4 50/250C/A	6	3,5		1,5	2	17,1	17	16,9	16,6	16,4	16,1	15,9	15,6	15,2	14,6	13,9	12,8	11,3	8,5	5,3		
NR4 50/250B/A	8,6	5		2,2	3	21	20,9	20,8	20,5	20,3	20	19,7	19,4	19	18,4	17,8	16,8	15,6	13,8	11,7	8,5	
NR4 50/250A/A	11,1	6,4		3	4	22	21,9	21,9	21,8	21,6	21,4	21,1	20,9	20,5	19,9	19,2	18,3	17,2	15,3	13,4	11,7	8,5

3 -	230V 400V		P2		Q m <sup>3</sup> /h l/min																	
	A	A	kW	HP		0	10,8	12	13,2	15	16,8	18,9	21	24	27	30	33	37,5	42	48		
NR4 65/125F	1,65	0,95		0,37	0,5	4,1	3,9	3,85	3,8	3,6	3,5	3,3	3	2,8	2,1	1,6	1					
NR4 65/125D	2,6	1,5		0,55	0,75	5,3	5	5	4,9	4,8	4,7	4,5	4,3	3,9	3,4	2,9	2,4	1,5				
NR4 65/125A/A	3,3	1,9		0,75	1	6,3	6,2	6,1	6	5,9	5,8	5,7	5,5	5,1	4,6	4,1	3,5	2,6	1,5			
NR4 65/125S/A	3,3	1,9		0,75	1	6,8	6,6	6,6	6,5	6,4	6,3	6,1	5,9	5,6	5,1	4,6	4,1	3,2	2,1			
NR4 65/160B/A	5	2,9		1,1	1,5	8,2	8,2	8,2	8,1	8	7,9	7,7	7,5	7,1	6,6	6	5,4	4,3	3,2			
NR4 65/160A/A	5	2,9		1,1	1,5	9,7	9,6	9,5	9,5	9,4	9,2	9	8,8	8,5	8	7,4	6,8	5,8	4,7	3		
NR4 65/200C/A	5	2,9		1,1	1,5	11,4	11,3	11,2	11,1	10,8	10,6	10,3	9,9	9,4	8,7	7,9	7	5,3	3,4			
NR4 65/200B/A	6	3,5		1,5	2	13,3	13,1	13	12,9	12,7	12,4	12,1	11,8	11,2	10,5	9,7	8,9	7,2	5,4			
NR4 65/200A/A	8,6	5		2,2	3	14,5	14,6	14,5	14,4	14,2	13,9	13,6	13,2	12,7	12	11,3	10,5	9	7,2			
NR4 65/250D/A	8,6	5		2,2	3	13,7	13,9	13,8	13,8	13,6	13,4	13,1	12,8	12,3	11,6	10,9	10,1	8,6	7,2			
NR4 65/250C/A	8,6	5		2,2	3	17,1	17,3	17,2	17,2	16,9	16,7	16,3	16	15,4	14,7	13,9	13	11,4	10			
NR4 65/250B/A	11,1	6,4		3	4	19,9	20,1	20	20	19,8	19,6	19,3	19	18,4	17,7	16,9	16,1	14,6	13,2	10,8"		
NR4 65/250A/A	14,4	8,3		4	5,5	21,4	21,6	21,5	21,4	21,3	21,1	20,8	20,5	19,9	19,2	18,4	17,6	16,1	14,7	12,2"		

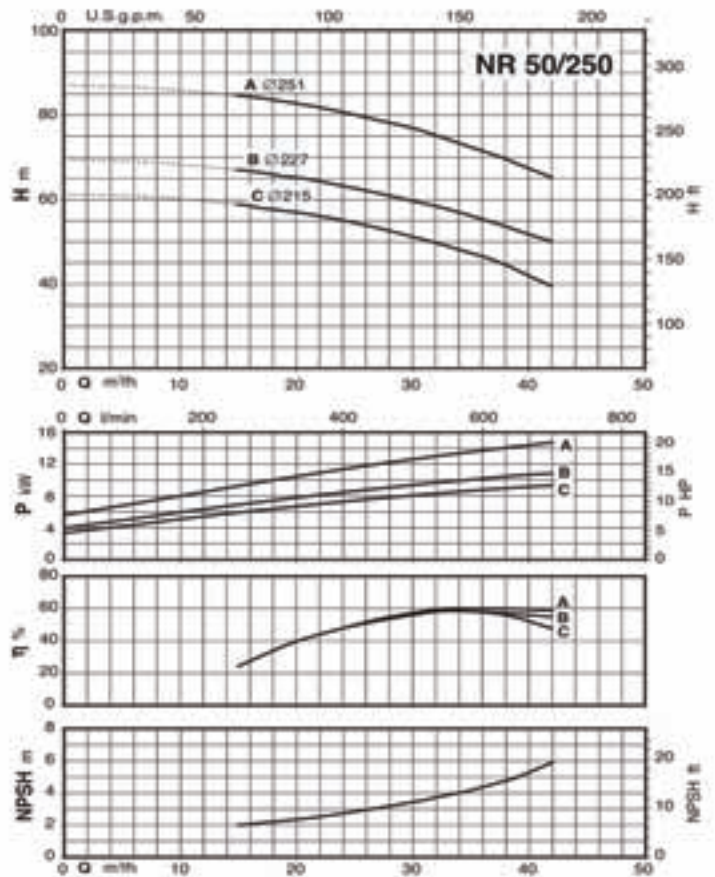
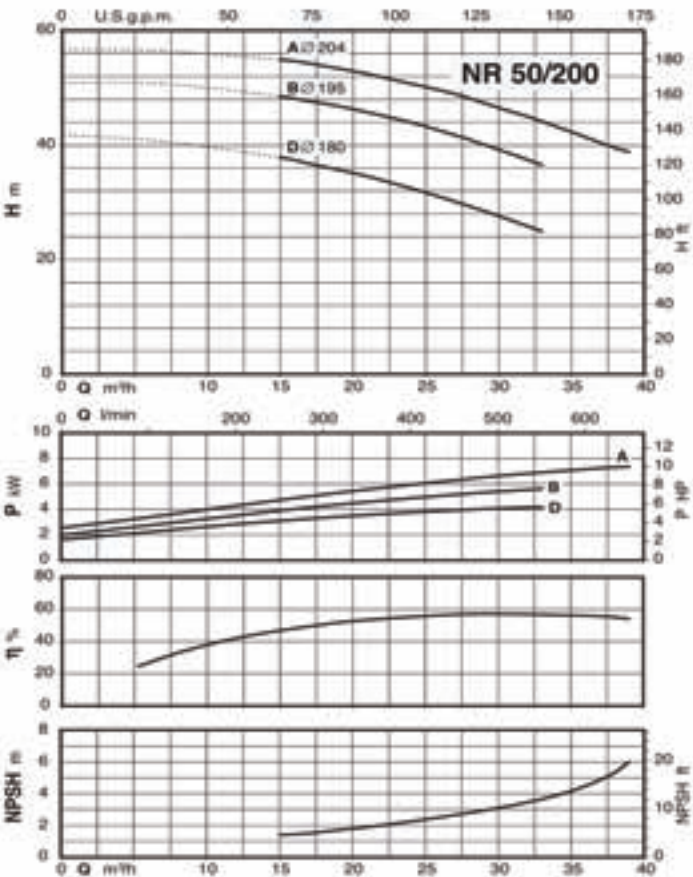
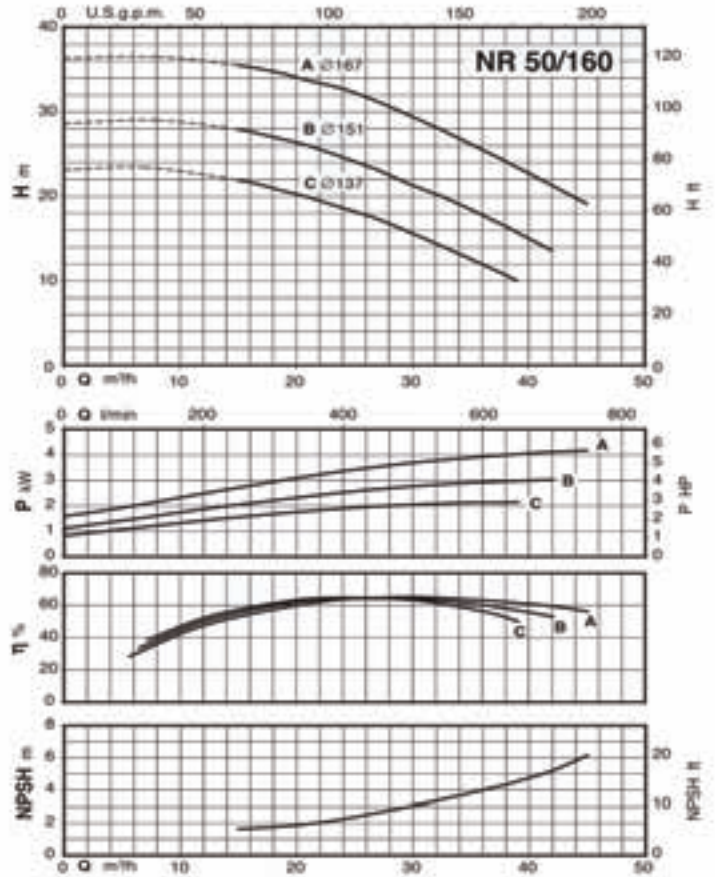
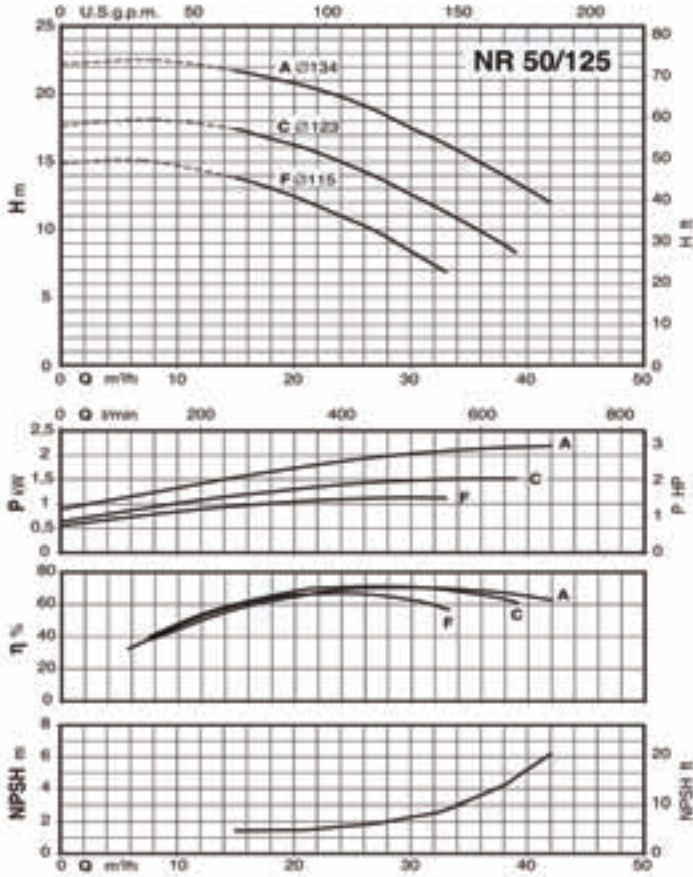
3 -	230V 400V		P2		Q m <sup>3</sup> /h l/min																	
	A	A	kW	HP		0	20	25	30	35	40	50	60	70	80	90	100	110				
NR4 100C/A	5	2,9		1,1	1,5	6,6	6,6	6,4	6,3	6	5,6	4,6	3,3									
NR4 100B/A	5	2,9		1,1	1,5	7,5	7,5	7,4	7,2	7	6,6	5,6	4,4									
NR4 100A/A	6	3,5		1,5	2	9	9	8,9	8,8	8,6	8,3	7,4	6,2	4,8								
NR4 125C/A	8,6	5		2,2	3	10,2			10,2	10,1	10	9,6	9	8,2	7,1	5,7	4					
NR4 125B/A	11,1	6,4		3	4	12			12	11,9	11,8	11,6	11	10,4	9,4	8,2	6,7	5,1				
NR4 125A/A	14,4	8,3		4	5,5	13,6			13,6	13,5	13,4	13,2	12,9	12,3	11,4	10,3	8,8	7,2				

P1 Max. power input. P2 Rated motor power output. Tolerances according to ISO 9906, annex A.

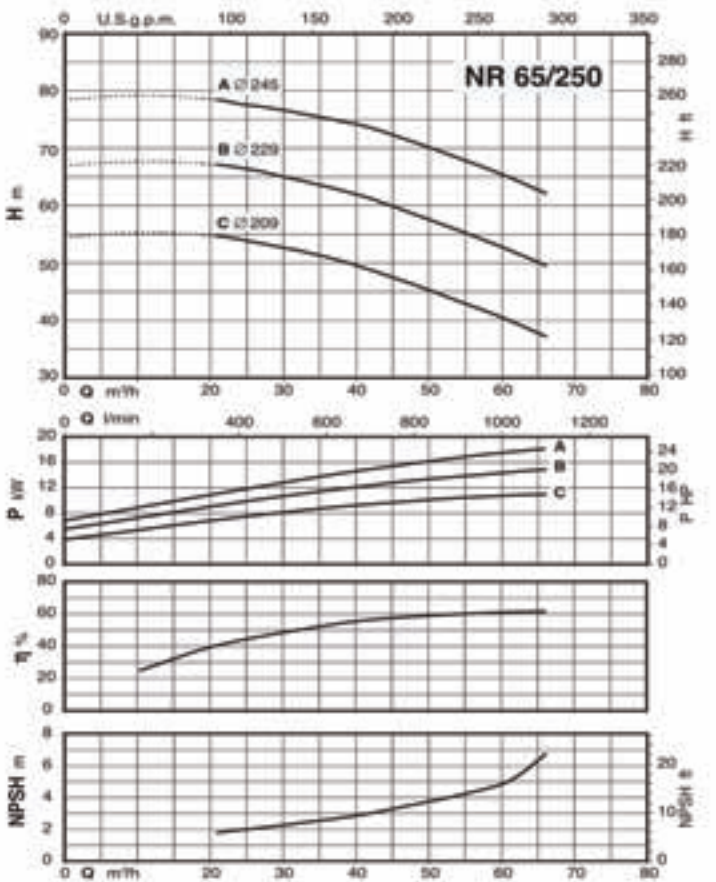
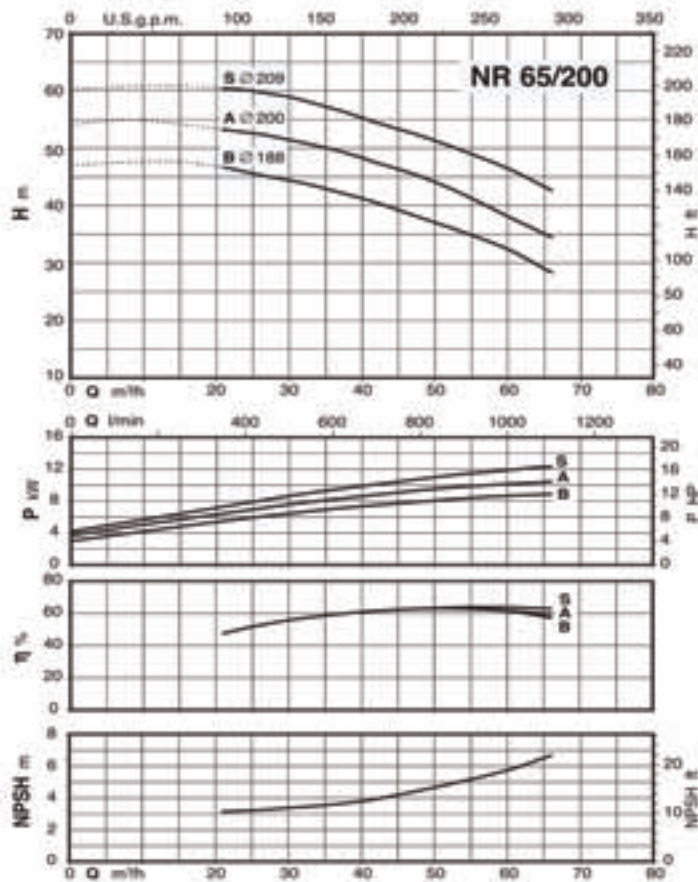
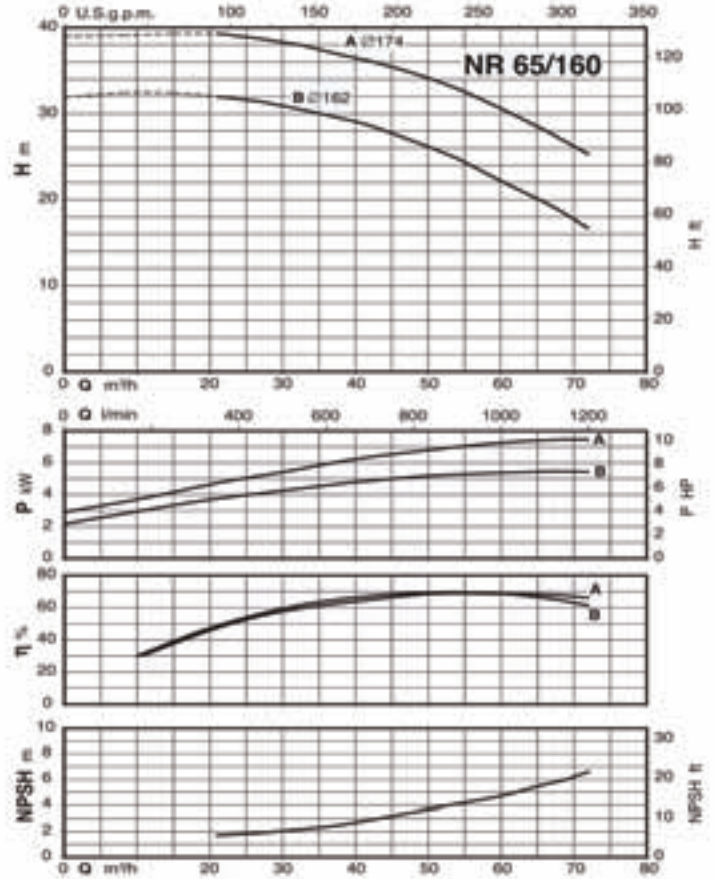
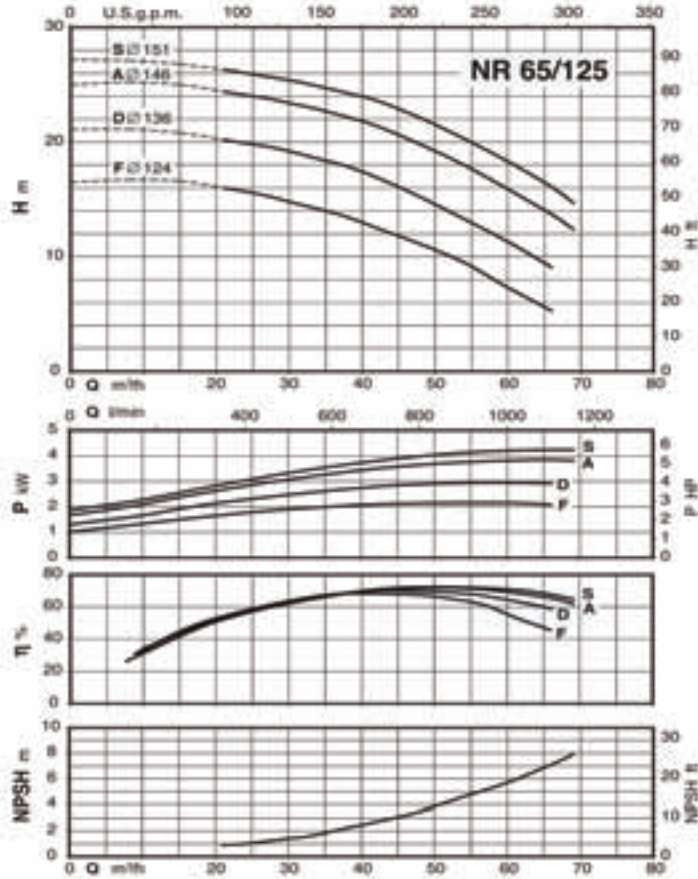
### Characteristic curves $n \approx 2900$ rpm



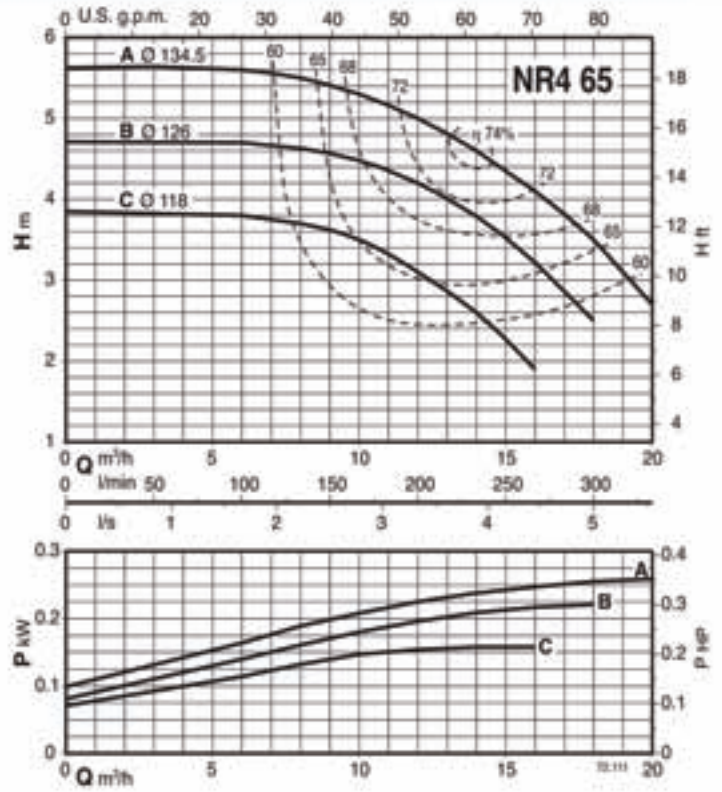
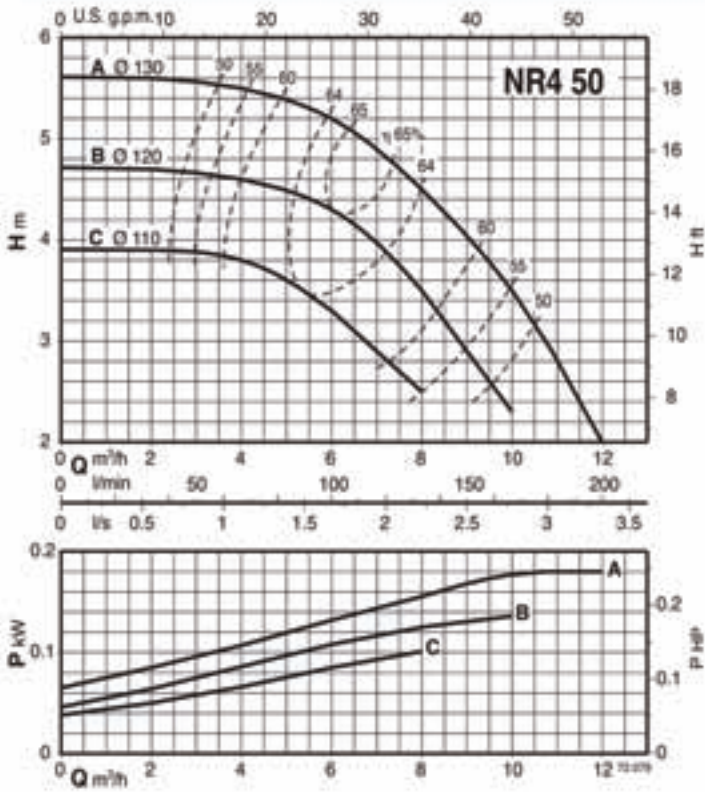
### Characteristic curves $n \approx 2900$ rpm



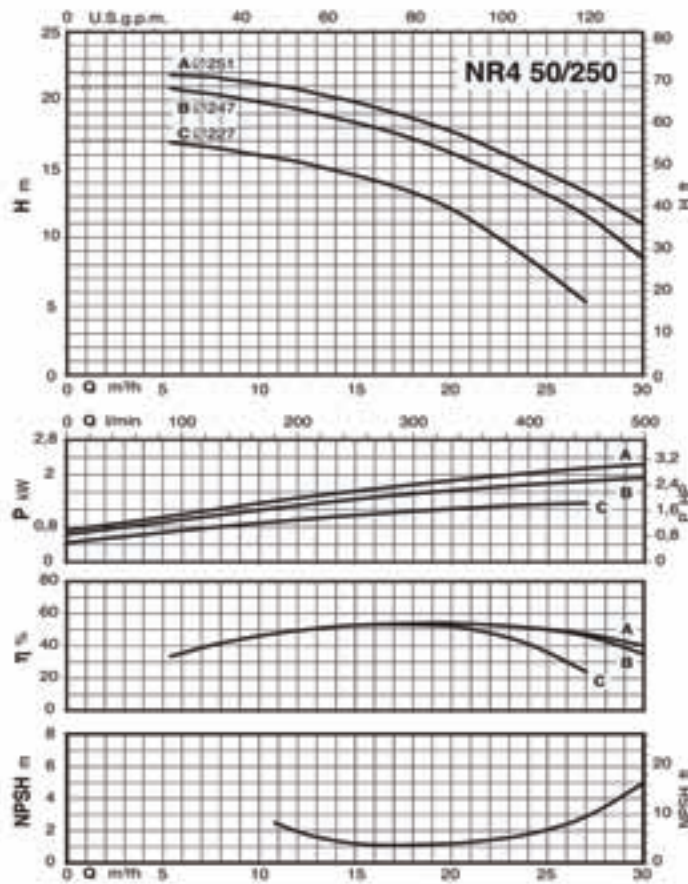
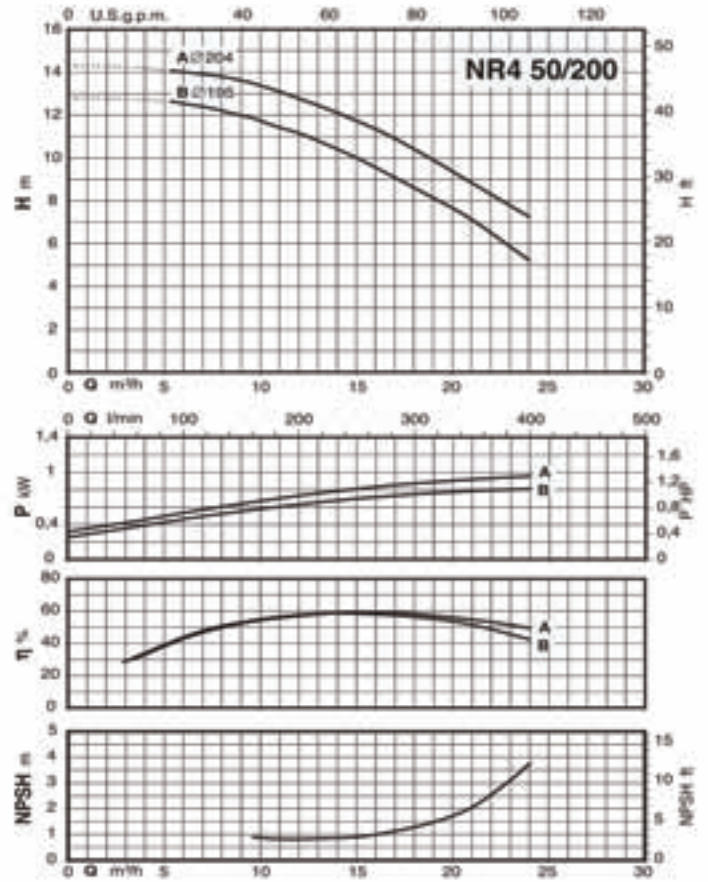
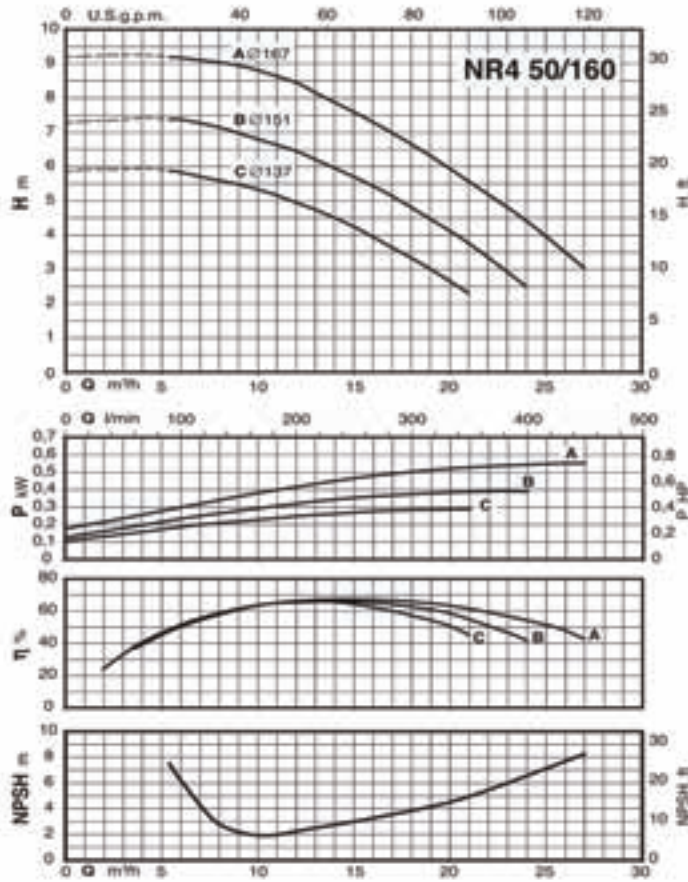
### Characteristic curves $n \approx 2900$ rpm



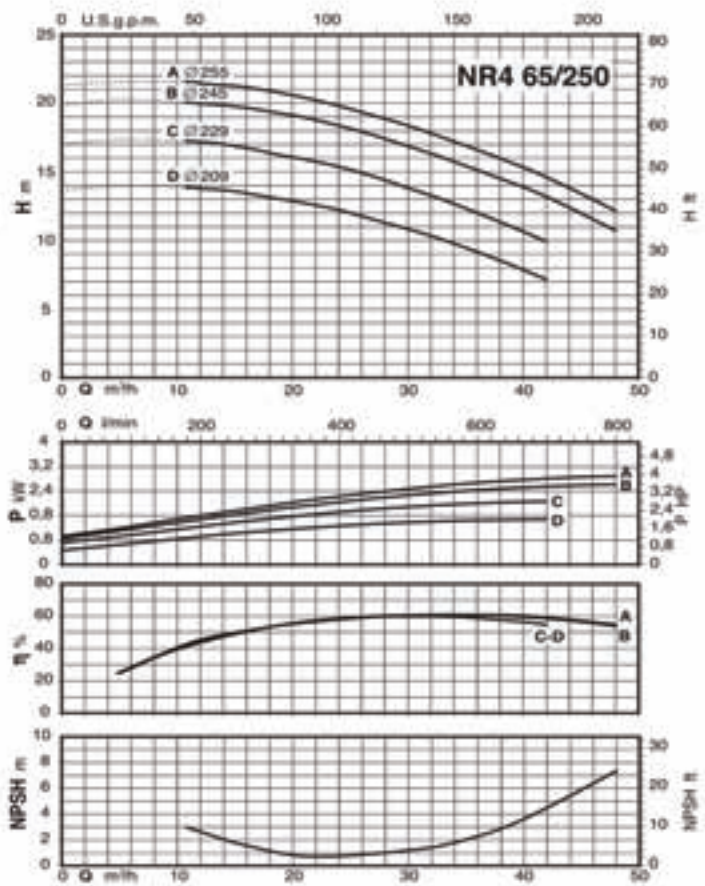
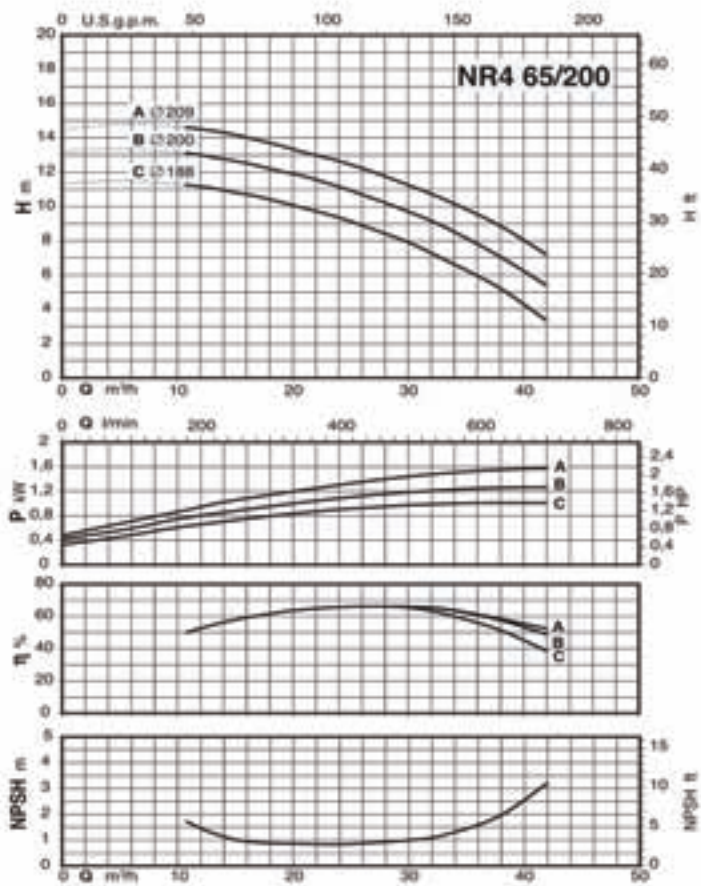
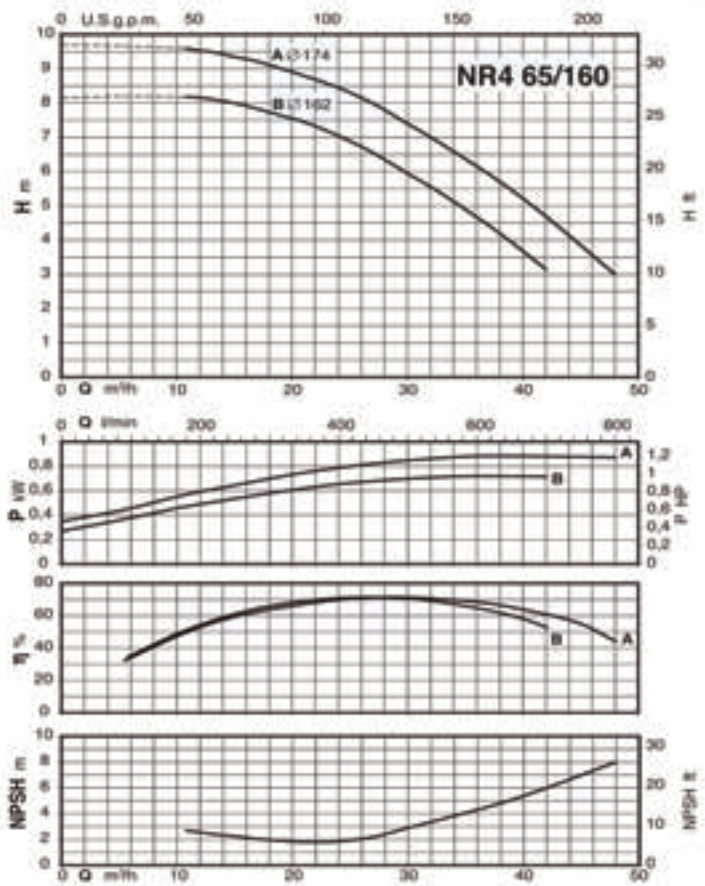
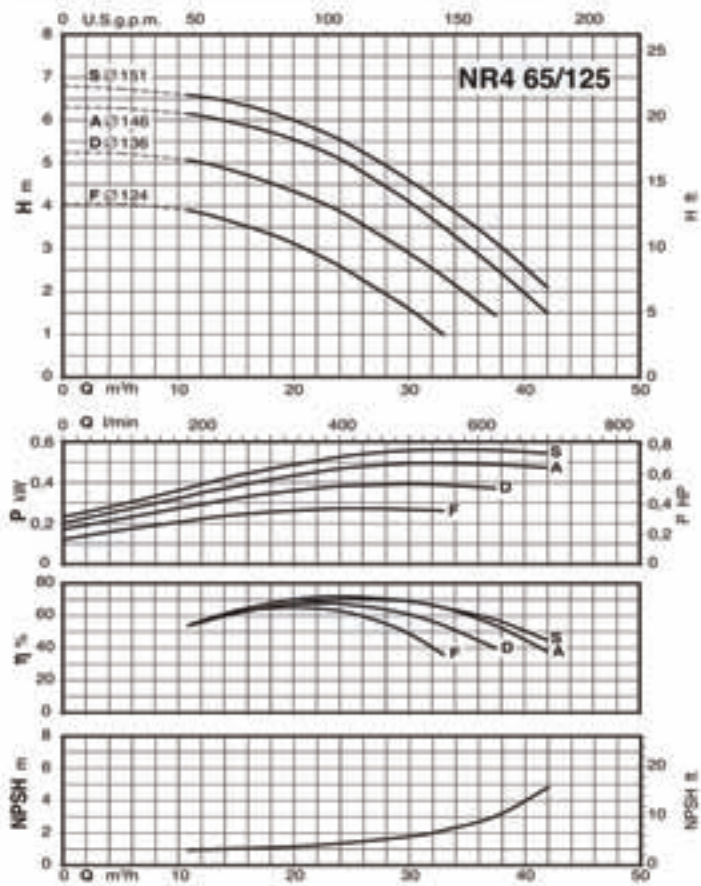
### Characteristic curves $n \approx 1450$ rpm



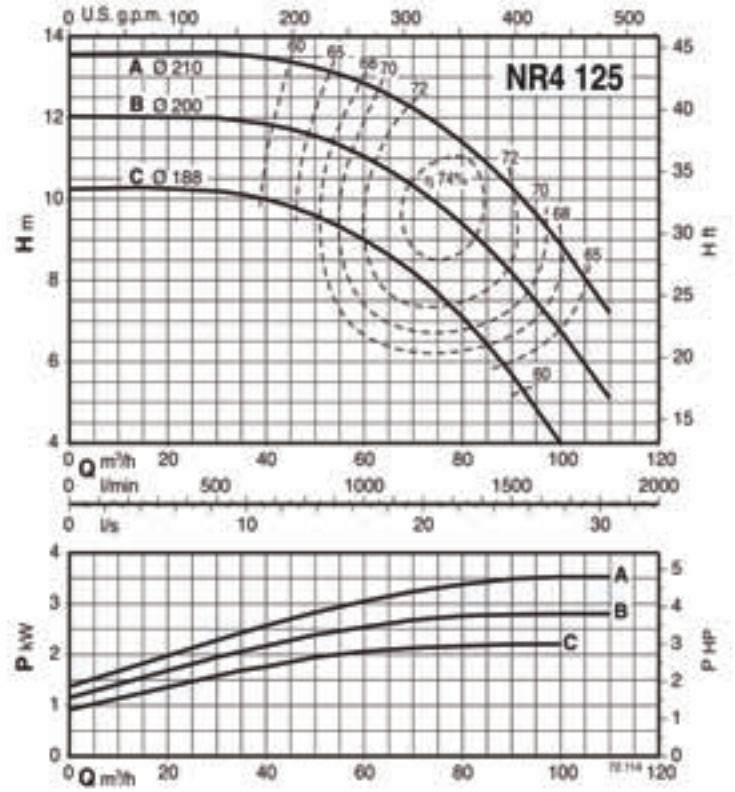
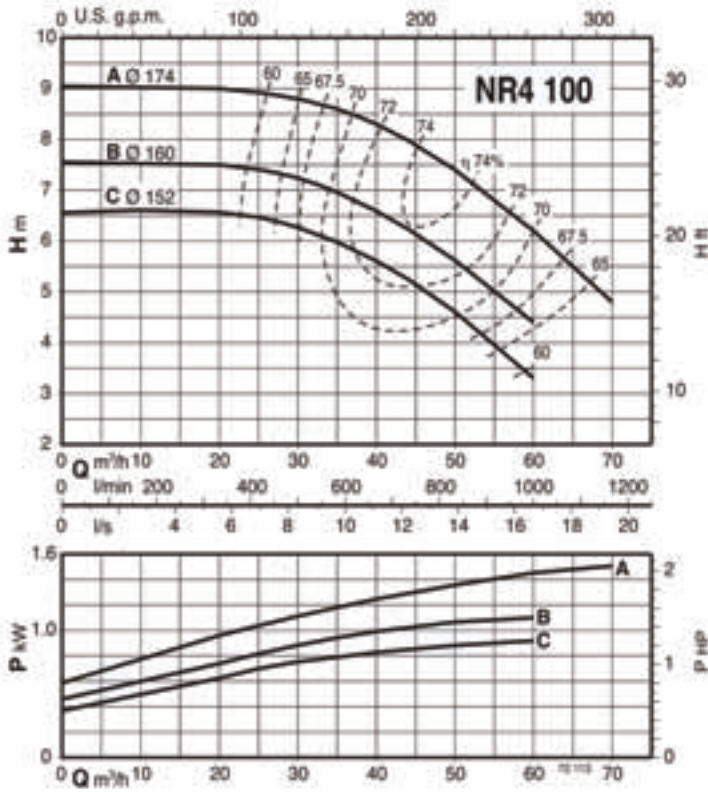
### Characteristic curves $n \approx 1450$ rpm



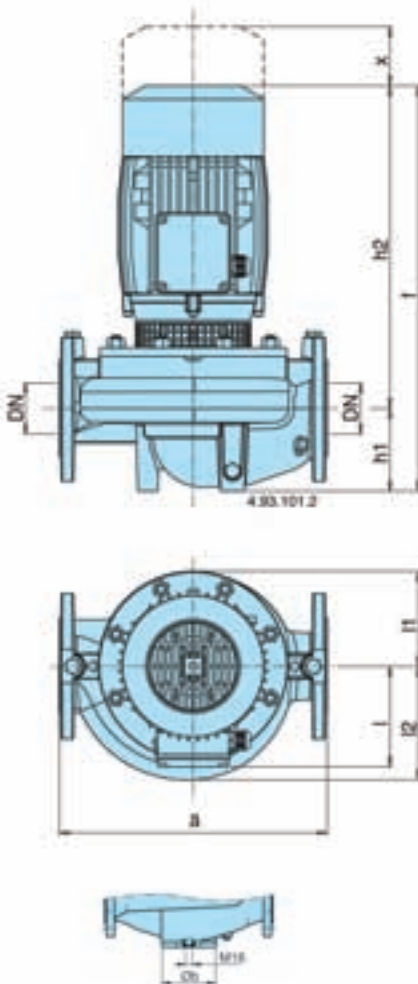
### Characteristic curves $n \approx 1450$ rpm



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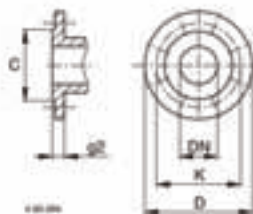
### Dimensions and weights



TYPE	mm										kg
	DN	a	f	h1	h2	Ob	l	l1	l2	x	
NR 50D/A-C/A	50	320	360	90	270	98	111	93	100	70	29,5-30
NR 40/125A-B-C	40	320	420	81	339	-	128	93	98	100	29,5-27,5-26,5
NR 50/125C-F	50	340	437	90	347	-	128	96	115	75	31,5-29,5
NR 50/125A/A	50	340	477	90	387	-	128	96	115	75	36,1
NR 50/160C/A	50	340	480	90	390	-	128	120	128	75	41,6
NR 50/160A/A-B/A	50	340	506	90	416	-	138	120	128	75	51,8-50,5
NR 50/200D/A	50	440	516	100	416	-	138	140	140	80	59,7
NR 50/200A/A-B/A	50	440	544	100	444	-	160	140	140	80	77,2-69,7
NR 50/250B/A-C/A	50	440	657	100	557	-	185	175	175	85	121-114
NR 50/250A/A	50	440	732	100	632	-	185	175	175	85	149,5
NR 65/125F/A	65	340	494	105	389	-	128	121	145	95	46
NR 65/125S/A-A/A-D/A	65	340	520	105	415	-	138	121	145	95	56,1-56,1-54,6
NR 65/160A/A-B/A	65	340	552	105	447	-	160	121	142	95	74-67,5
NR 65/200A/A-B/A	65	475	666	105	561	-	185	140	153	90	114-108
NR 65/200S/A	65	475	741	105	636	-	185	140	153	90	142,5
NR 65/250C/A	65	475	672	105	567	-	185	175	175	90	134
NR 65/250A/A-B/A	65	475	747	105	642	-	185	175	175	90	161-155

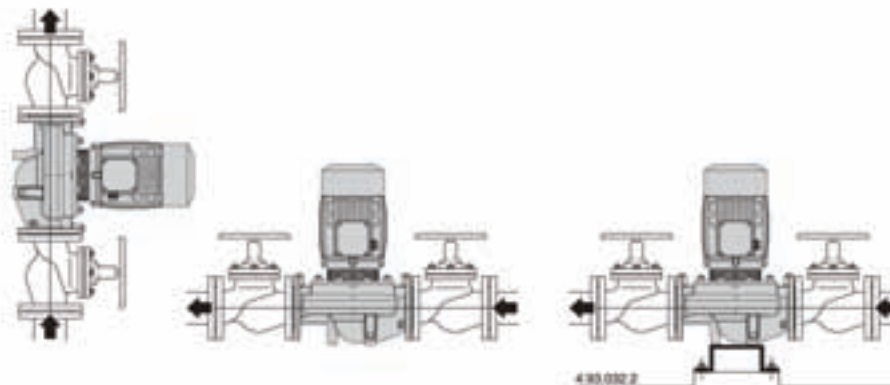
TYPE	mm										kg
	DN	a	f	h1	h2	Ob	l	l1	l2	x	
NR4 50A/A-B/A-C/A	50	320	360	90	270	98	111	93	100	70	24-24-24
NR4 65A/A-B/A-C/A	65	360	370	100	270	118	111	102	114	70	28-28-28
NR4 100B/A-C/A	100	500	523	150	373	162	128	153	173	105	59-59
NR4 100A/A	100	500	549	150	399	162	138	153	173	105	67
NR4 125C/A	125	600	589	170	419	194	138	172	195	120	91,5
NR4 125A/A-B/A	125	600	608	160	438	194	160	172	195	120	110-108
NR4 50/160A/A-B-C	50	340	440	90	350	-	128	120	128	75	37,5-35,5-33,5
NR4 50/200A/A-B/A	50	440	490	100	390	-	128	140	140	80	56
NR4 50/250B/A-C/A	50	440	516	100	416	-	138	175	175	85	60-77,5
NR4 50/250A/A	50	440	545	100	445	-	160	175	175	85	93,5
NR4 65/125S/A-A/A-D-F	65	340	454	105	349	-	128	121	145	95	
NR4 65/160A/A-B/A	65	340	497	105	392	-	128	121	142	95	42,7-42,5
NR4 65/200C/A	65	475	510	105	405	-	128	140	153	90	52
NR4 65/200A/A-B/A	65	475	536	105	431	-	138	140	153	90	64,5-60
NR4 65/250C/A-D/A	65	475	526	105	421	-	138	175	175	90	75,5-75,5
NR4 65/250A/A-B/A	65	475	555	105	450	-	160	175	175	90	98-85

Flanges PN 10, EN 1092-2



DN	mm				
	C	K	D	Holes N°	O
50	99	125	165	4	19
65	118	145	185	4	19
80	132	160	200	8	19
100	156	180	220	8	19
125	184	210	250	8	19

### Installation



### Features

#### NEW COMPACT DESIGN

A compact structure allows for simple installation even in confined spaces

#### A UNIQUE DESIGN

An innovative guard (patented) prevents contact with rotating parts, providing protection to the end user whilst allowing for inspection of the mechanical seal.

#### ADVANCED HYDRAULICS

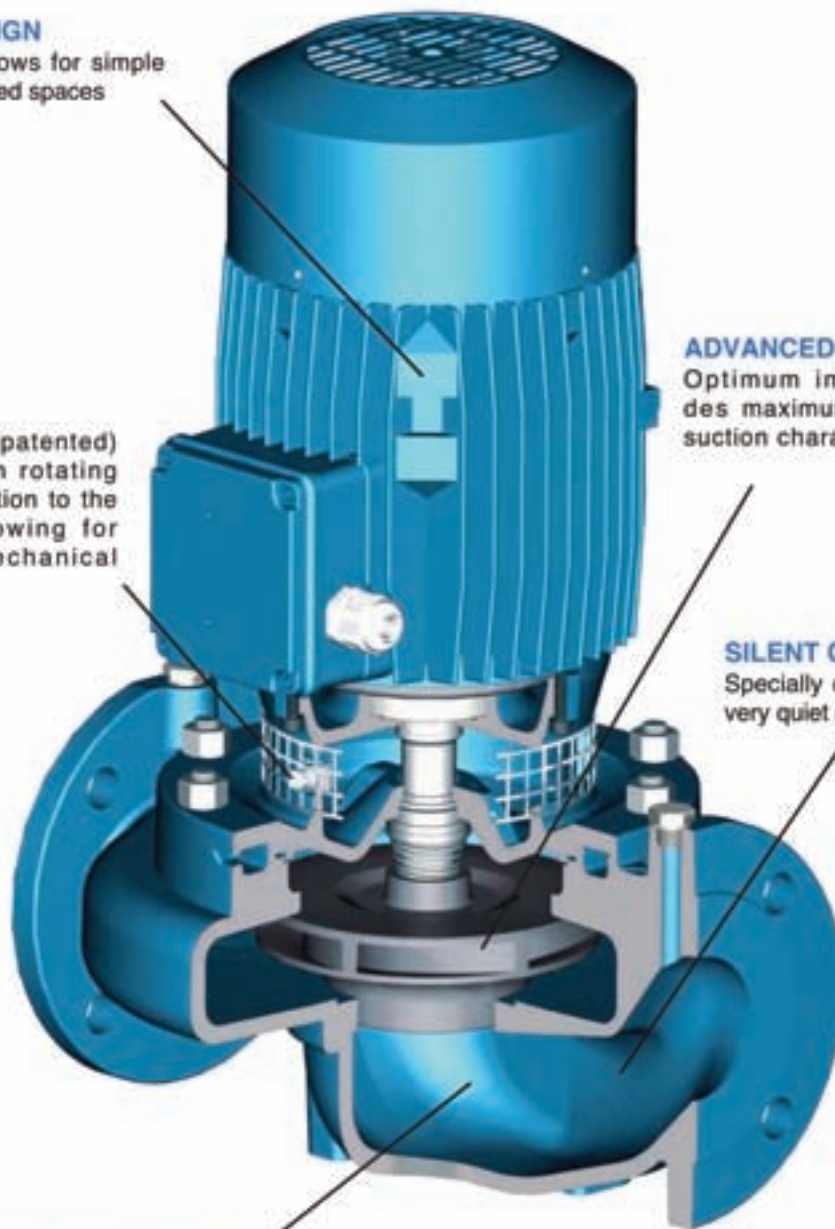
Optimum impeller geometry provides maximum efficiency and excellent suction characteristics.

#### SILENT OPERATION

Specially designed fluid ducts provide very quiet operation

#### EXCEPTIONAL FLUID DYNAMICS

The fluid dynamics through the impeller and casing are designed to minimize losses and increase performance.





### Construction

Close-coupled, single-impeller, centrifugal pumps; electric motor connected to the pump by rigid coupling. Pump casing with suction and delivery connections with the same diameter and on the same axis (in-line). Main dimensions of casing complies with EN733. These pumps are directly coupled to electric motors that comply with IEC frames and VDI norms. Connections: Flanges PN 16, EN 1092-2.

### Applications

For clean liquids, without abrasives, which are non-aggressive for the pump materials (contents of solids up to 0.2%). For heating, air conditioning, cooling and circulation plants. For civil and industrial applications. For water supply and fire fighting systems.

### Operating conditions

Liquid temperature from -10 °C to +110 °C.  
Ambient temperature up to 40 °C.  
Total suction lift up to 7 m.  
Maximum permissible working pressure up to 10/16 bar.  
Continuous duty.

### Motor

4-pole induction motor, 50 Hz (n = 1450 rpm).  
**NRC4:** three-phase 230/400 V or 400/660 V ± 10%.

2-pole induction motor, 50 Hz (n = 2900 rpm).  
**NRC:** three-phase 230/400 V or 400/660 V ± 10%.

Insulation class F. Protection IP 54.  
Constructed in accordance with IEC 60034.

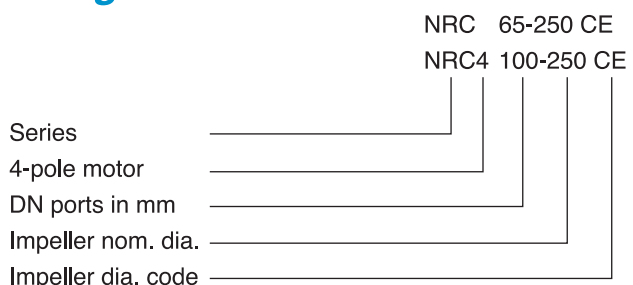
### Special features on request

- Other voltages.
- Protection IP 55.
- Eff.-1 class electric motor.
- Special mechanical seal.
- Special material combinations for different applications. (e.g. bronze or AISI 304 - 316 stainless steel.)
- CERAM-X coating of hydraulic parts for chemically aggressive or mechanically abrasive fluids, especially sea water.
- Higher or lower liquid or ambient temperatures.

### Materials

Component	Material
Pump casing	Cast iron GJL 250 EN 1561
Lantern bracket	Cast iron GJL 250 EN 1561
Impeller	Cast iron GJL 250 EN 1561
Shaft	Chrome steel AISI 420
Mechanical seal	Carbon - Ceramic - NBR

### Designation



**NRC Series Hydraulic Performance Table - 2900 rpm - 2 Poles - 50 Hz**

Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	7	10	15	17	19	21	24	27	34	37
NRC 40-125	1,1	H mWC	18,7	17,5	15,3	10,4							
NRC 40-125	1,5		22,3	21,2	19,1	15,0	13,0	10,4					
NRC 40-125	2,2		27,8		26,0	23,0	21,0	19,2	17,1	13,3			
NRC 40-125	3		30,8		29,0	26,5	25,1	23,4	21,6	18,5	14,7		
NRC 40-160	3	H mWC	34,6	34,1	32,7	27,3	24,2						
NRC 40-160	4		41,5	41,0	40,2	36,0	34,0	31,1	28,0				
NRC 40-160	5,5		48,9	48,4	48,0	45,2	43,2	41,1	38,7	34,0			
NRC 40-200	4	H mWC	39,5		38,2	35,4	33,6	31,7	29,7				
NRC 40-200	5,5		48,8		48,0	46,0	44,3	43,8	42,0	39,1	35,8		
NRC 40-200	7,5		56,2			54,2	53,4	52,0	51,0	48,6	46,0	37,0	
NRC 40-200	11		62,7			60,6	60,2	59,1	58,0	56,2	54,0	47,0	42,2

Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	10	15	22	28	33	38	41	45	55	60
NRC 50-125	1,5	H mWC	19,8	18,0	16,4	12,7							
NRC 50-125	2,2		23,1		21,6	19,0	15,3						
NRC 50-125	3		27,0		26,0	24,0	21,0	18,0					
NRC 50-125	4		31,0		30,4	28,7	26,0	23,5	20,5				
NRC 50-160	3	H mWC	26,0		24,6	18,6							
NRC 50-160	4		32,3		32,0	28,2	22,0						
NRC 50-160	5,5		40,3		40,4	38,0	34,8	29,3	23,6				
NRC 50-160	7,5		48,1		48,0	46,8	44,6	41,2	37,2	33,0	27,0		
NRC 50-200	7,5	H mWC	47,2			46,5	43,4	39,3					
NRC 50-200	11		58,1			58,2	57,3	55,0	52,0	49,2	44,8		
NRC 50-200	15		67,0			67,0	66,1	65,0	62,8	61,4	58,2	46,0	
NRC 50-250	11	H mWC	60,5			57,5	54,9	53,2					
NRC 50-250	15		72,4			70,3	68,0	65,3	63,0	61,0	58,0		
NRC 50-250	18,5		82,3			80,1	78,3	76,5	74,8	73,0	71,0		
NRC 50-250	22		90,2			89,0	87,5	85,8	83,9	82,8	81,0	74,2	
NRC 50-250	30		95,4				94,3	93,2	91,0	89,0	87,7	82,1	78,8
NRC 50-250	37		96,3						91,4	89,4	88,1	82,5	79,2

**NRC Series Hydraulic Performance Table - 2900 rpm - 2 Poles - 50 Hz**

Pompa Tipi Pump Type	kW	Q m³/h	0	20	30	40	45	50	55	65	70	80	90
NRC 65-125	3	H mWC	21,1	20,1	17,8	14,4	11,8						
NRC 65-125	4		25,8	25,0	23,0	20,0	17,6	14,0					
NRC 65-125	5,5		29,7	29,1	27,7	25,0	23,0	21,0	18,0				
NRC 65-160	5,5	H mWC	33,7	33,6	32,8	28,4	25,6						
NRC 65-160	7,5		40,3	38,0	40,2	38,0	36,0	33,1	30,0				
NRC 65-160	11		49,4		49,0	47,8	46,7	45,1	43,2	38,0	35,0		
NRC 65-200	11	H mWC	45,2				42,0	41,0	40,0	36,0			
NRC 65-200	15		55,9				53,4	52,5	52,0	49,4	48,0	43,8	
NRC 65-200	18,5		61,7				59,2	58,7	58,0	56,3	55,0	52,0	47,0
NRC 65-200	22		64,7				63,1	62,4	62,1	60,7	59,7	56,9	52,3
NRC 65-250	15	H mWC	57,2		56,9	54,8	52,0	50,0					
NRC 65-250	18,5		65,6		65,0	64,0	62,5	60,0	57,5				
NRC 65-250	22		75,9		75,6	75,0	74,4	73,0	71,3	66,0	62,9		
NRC 65-250	30		89,0		89,6	89,0	88,6	88,0	87,1	83,6	81,5	75,3	
NRC 65-250	37		95,0		95,1	94,8	94,3	94,5	94,2	91,7	89,5	84,5	78,4
NRC 65-250	45		96,0		95,6	95,3	95,2	95,0	94,7	92,2	90,0	85,0	78,9

Pompa Tipi Pump Type	kW	Q m³/h	0	35	45	55	65	70	85	95	105	120	140
NRC 80-125	4	H mWC	20,7	20,0	18,0	14,4							
NRC 80-125	5,5		24,2	23,7	22,5	20,4	17,0	14,6					
NRC 80-125	7,5		29,2	28,8	28,0	26,8	24,6	23,0	17,0				
NRC 80-160	11	H mWC	36,7	36,0	35,0	33,0	31,0	29,8	23,0				
NRC 80-160	15		42,8		41,7	40,8	39,3	38,7	34,7	30,9	26,0		
NRC 80-160	18,5		47,4		46,2	45,9	44,7	44,0	41,4	38,0	34,0	27,0	
NRC 80-200	15	H mWC	44,4		44,6	44,2	43,6	43,2	40,4	37,2			
NRC 80-200	18,5		48,6		50,0	49,7	49,4	49,0	47,0	44,1	41,8		
NRC 80-200	22		53,8		54,7	54,9	54,8	54,6	53,7	52,0	49,2	44,4	
NRC 80-200	30		64,0			65,1	65,8	65,9	65,2	64,0	63,0	60,0	54,0
NRC 80-250	22	H mWC	59,2		60,0	59,0	57,0	55,0	52,0				
NRC 80-250	30		69,2		70,0	69,0	68,0	67,3	64,0	60,6	57,3		
NRC 80-250	37		78,8			79,2	78,0	77,6	75,0	73,2	70,0	65,0	
NRC 80-250	45		87,4			88,3	87,7	87,4	85,8	84,2	82,0	77,5	70,0

Pompa Tipi Pump Type	kW	Q m³/h	0	50	60	80	100	105	115	130	150	160	180
NRC 100-160	11	H mWC	30,7	29,0	27,4	24,8	20,0	18,6					
NRC 100-160	15		36,0	34,2	34,0	32,3	29,5	28,0	25,6	20,4			
NRC 100-160	18,5		40,0		38,0	36,8	34,8	34,0	32,0	28,0			
NRC 100-160	22		45,3		43,1	42,8	41,2	40,7	39,1	35,2	30,9	26,6	
NRC 100-250	37	H mWC	64,2			65,0	63,8	62,7	62,0	58,8	53,0	50,0	
NRC 100-250	45		72,3			73,0	72,6	72,5	71,8	70,0	65,8	62,7	56,5

## NRC4 Series Hydraulic Performance Table - 1450 rpm - 4 Poles - 50 Hz

Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	4	5	7	9	10	11	12	13	14	16	18	20
NRC4 40-125	0,18	H mWC	5,2	4,9	4,7	3,9									
NRC4 40-125	0,25		6,3		5,5	5,4	4,5	4,0	3,5						
NRC4 40-125	0,37		7,7		7,4	7,0	6,3	6,0	5,5	5,0	4,5	3,8			
NRC4 40-160	0,37	H mWC	8,1	7,9	7,7	7,0	5,8	5,0							
NRC4 40-160	0,55		10,7	10,5	10,4	9,9	8,8	8,2	7,2						
NRC4 40-160	0,75		11,8	11,6	11,5	11,1	10,2	9,5	8,8	7,8					
NRC4 40-200	0,55	H mWC	10,0		9,7	8,9	8,2	7,7	6,9	6,0	5,2				
NRC4 40-200	0,75		12,4			11,5	10,8	10,5	10,0	9,5	8,9	8,0	6,5		
NRC4 40-200	1,1		14,9			14,3	13,7	13,4	13,0	12,7	12,3	11,8	10,5	9,0	7,0

Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	7	10	11	13	16	20	22	24	25	28	30	34
NRC4 50-125	0,25	H mWC	5,3	5,15	4,5	4,2									
NRC4 50-125	0,37		6,6	6,5	6,2	6,0	5,2	4,0							
NRC4 50-125	0,55		8,1	8,0	7,8	7,7	7,4	6,6	5,1						
NRC4 50-160	0,37	H mWC	6,8	6,5	5,6	5,2									
NRC4 50-160	0,55		9,2	8,9	8,7	8,3	7,7	6,0							
NRC4 50-160	0,75		10,9	10,8	10,6	10,4	10,0	8,9	6,7						
NRC4 50-160	1,1		12,6		12,3	12,1	12,0	11,1	9,6	8,2					
NRC4 50-200	0,75	H mWC	11,2		11,0	10,8	10,2	8,9							
NRC4 50-200	1,1		13,7		13,6	13,5	13,1	12,3	10,3						
NRC4 50-200	1,5		16,1		16,0	15,9	15,8	15,2	14,0	13,0	11,8				
NRC4 50-200	2,2		16,9		16,9	16,8	16,8	16,3	15,2	14,4	13,2	12,4			
NRC4 50-250	1,5	H mWC	16,1				15,0	14,1	12,9	12,6	11,1				
NRC4 50-250	2,2		20,1				19,0	18,4	17,4	16,8	16,1	15,7	14,5	13,2	
NRC4 50-250	3		23,4				22,3	21,8	21,1	20,6	20,0	19,7	19,0	18,0	16,1

**NRC4 Series Hydraulic Performance Table - 1450 rpm - 4 Poles - 50 Hz**

Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	12	16	20	23	26	32	35	40	43	46	53	57	
NRC4 65-125	0,37	H mWC	4,7	4,3	3,7	3,2										
NRC4 65-125	0,55		6,7	6,5	6,0	5,3										
NRC4 65-125	1,1		7,6	7,4	7,1	6,6	5,9									
NRC4 65-160	0,75	H mWC	8,7	8,6	8,0	7,2										
NRC4 65-160	1,1		10,3	10,3	10,1	9,6	9,0	8,4								
NRC4 65-200	1,1	H mWC	10,1			9,3	8,7	8,3	7,6	6,8						
NRC4 65-200	1,5		11,6			11,0	10,6	10,3	9,5	9,0	7,8	7,0				
NRC4 65-200	2,2		14,2			14,2	13,5	13,3	12,7	12,2	11,4	10,7	10,2	8,4		
NRC4 65-250	2,2	H mWC	15,1			14,2	13,5	12,9	10,2	9,0						
NRC4 65-250	3		19,3			18,6	18,3	18,0	16,8	15,8	13,6	12,0	11,0			
NRC4 65-250	4		22,4			21,9	21,6	21,3	21,2	20,0	18,5	17,0	16,0	12,5		
NRC4 65-250	5,5		24,2			23,8	23,6	23,3	22,8	22,2	21,1	20,0	19,0	16,0	14,0	
NRC4 65-315	3		21,9		21,1	20,0	18,5	16,4								
NRC4 65-315	4	26,0		25,1	24,3	23,2	22,0	18,2	14,5							
NRC4 65-315	5,5	31,0		30,4	30,0	29,1	28,7	26,0	24,0	20,0						
NRC4 65-315	7,5	36,5		36,1	36,0	35,1	35,0	33,4	32,0	29,4	26,4	25,0				
NRC4 65-315	11	42,5			42,0	41,8	41,3	40,2	39,5	38,0	36,0	34,2	29,0	25,0		

Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	17	22	32	38	45	55	60	65	70	80	95	105	
NRC4 80-125	0,37	H mWC	4,0	3,6	2,9											
NRC4 80-125	0,55		5,2	5,1	4,6	3,0										
NRC4 80-125	0,75		6,5	6,4	6,1	4,9	3,8									
NRC4 80-125	1,1		7,4	7,2	7,2	6,3	5,3	4,0								
NRC4 80-160	0,75	H mWC	7,1	6,8	6,5	5,0										
NRC4 80-160	1,1		8,4		8,0	7,0	5,7									
NRC4 80-160	1,5		10,2		10,1	9,3	8,5	7,5								
NRC4 80-160	2,2		11,5		11,3	10,8	10,3	9,5	7,5							
NRC4 80-200	1,5	H mWC	9,2		9,2	8,7	8,0	7,0								
NRC4 80-200	2,2		11,4			11,5	11,0	10,4	9,0	8,0						
NRC4 80-200	3		13,4			13,7	13,4	13,0	12,0	11,3	10,5	9,6				
NRC4 80-200	4		15,4			15,8	15,8	15,4	14,7	14,2	13,7	13,0	11,1			
NRC4 80-250	2,2	H mWC	13,6		13,0	12,0	11,0	9,0								
NRC4 80-250	3		16,4			15,2	14,5	13,4	11,0							
NRC4 80-250	4		18,8			17,8	17,5	16,6	14,8	13,7	12,0					
NRC4 80-250	5,5		22,8			22,2	22,0	21,1	20,1	19,2	18,2	17,2	13,5			
NRC4 80-315	5,5	H mWC	22,1			22,0	21,5	20,5	19,0	18,0	16,8	15,4				
NRC4 80-315	7,5		28,1			27,5	27,3	26,8	25,6	24,5	23,4	22,0	19,0			
NRC4 80-315	11		35,1			35,0	34,8	34,2	33,1	32,5	31,6	30,6	28,0	23,0		
NRC4 80-315	15		38,1				38,0	37,8	36,7	36,2	35,6	34,8	32,5	28,5	24,6	

**NRC4 Series Hydraulic Performance Table - 1450 rpm - 4 Poles - 50 Hz**

Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	35	45	55	65	75	90	100	110	120	130	140	160
NRC4 100-160	1,5	H mWC	8,2	7,2	6,5	5,2									
NRC4 100-160	2,2		9,8	9,2	8,7	8,0	6,7								
NRC4 100-160	3		10,8	10,1	9,7	9,2	8,1	6,6							
NRC4 100-200	3	H mWC	10,1		10,2	10,0	9,5	8,7	7,0						
NRC4 100-200	4		11,9			12,0	11,7	11,3	10,2	9,2	8,0				
NRC4 100-200	5,5		13,9			14,2	14,1	13,8	13,0	12,4	11,6	10,5	9,1		
NRC4 100-250	4	H mWC	15,8	15,8	15,5	15,0	14,0	12,0							
NRC4 100-250	5,5		18,2		18,1	17,8	17,1	16,0	14,0						
NRC4 100-250	7,5		21,6		21,7	21,5	21,2	20,7	19,1	17,6	16,0				
NRC4 100-250	11		25,2		25,2	25,1	25,0	24,7	23,9	23,0	21,6	20,0	18,0		
NRC4 100-315	7,5	H mWC	24,1		23,6	23,0	22,0	20,5	18,0	16,0					
NRC4 100-315	11		29,2			28,2	27,0	25,0	23,2	21,1	19,0				
NRC4 100-315	15		34,4			33,8	33,6	33,0	31,8	30,3	29,0	27,1	25,0	22,7	
NRC4 100-315	18,5		38,5			38,0	37,8	37,2	36,3	35,5	34,2	32,9	31,1	29,2	24,5
NRC4 100-400	15	H mWC	37,7		36,8	35,5	34,7	33,2	30,7	28,2					
NRC4 100-400	18,5		42,0		41,0	40,0	39,0	37,8	36,0	33,9	32,0				
NRC4 100-400	22		47,0		46,0	45,2	44,7	43,2	41,8	40,0	37,4	34,6			
NRC4 100-400	30		57,6		57,1	56,8	55,7	54,9	52,8	51,3	49,2	47,4	44,0		
NRC4 100-400	37		62,0		61,8	61,4	60,4	59,0	58,0	56,4	55,0	52,9	50,2	47,5	

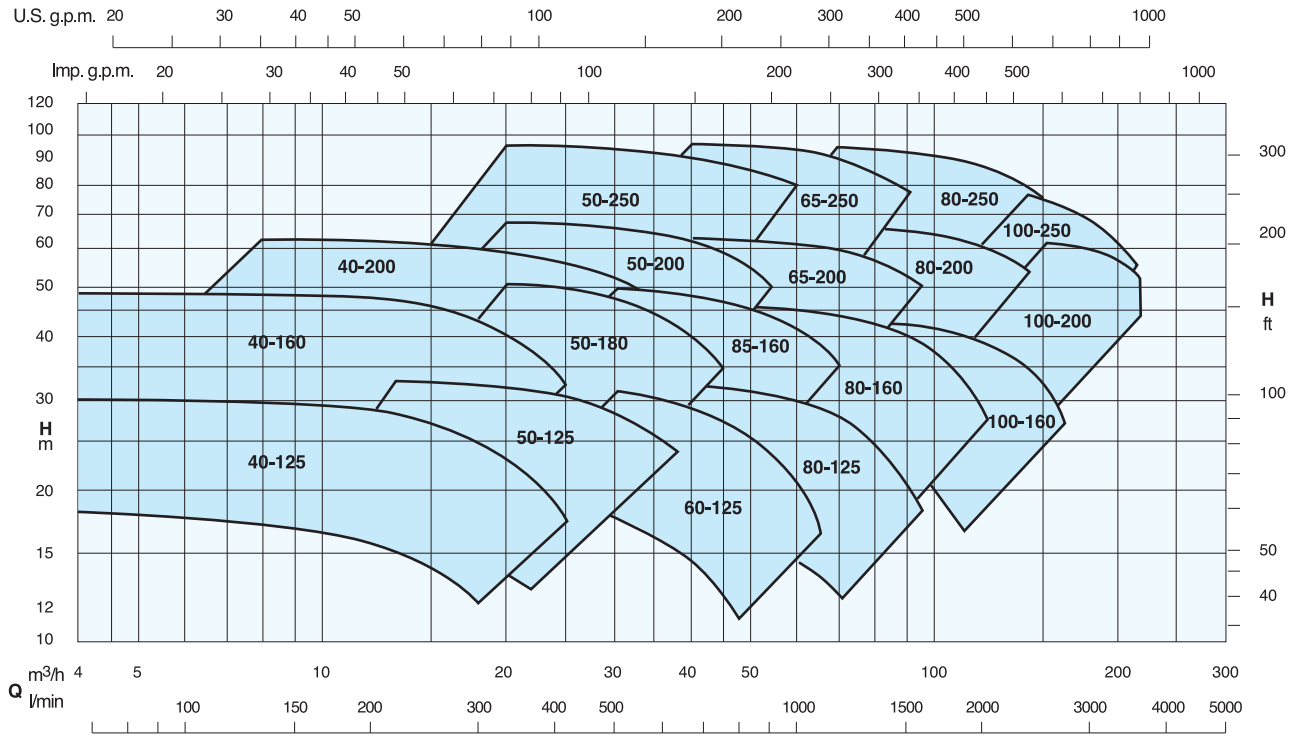
Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	70	80	90	100	110	125	145	160	175	190	200	220
NRC4 125-200	3	H mWC	9,0	8,2	7,7	7,2	6,5	5,8							
NRC4 125-200	4		10,8	10,0	9,7	9,3	8,8	8,3	7,4						
NRC4 125-200	5,5		13,0		12,2	11,8	11,3	10,9	10,0	8,4					
NRC4 125-200	7,5		14,4		13,7	13,5	13,2	12,8	12,0	10,6	9,3				
NRC4 125-250	5,5	H mWC	15,6	14,7	14,0	13,0	12,0	10,7	8,9						
NRC4 125-250	7,5		18,2	17,5	17,2	16,6	16,0	14,9	13,0	10,5					
NRC4 125-250	11		21,6	21,1	20,9	20,5	20,0	19,4	18,0	15,7	14,0	11,7			
NRC4 125-250	15		23,7	23,4	23,2	23,0	22,6	22,2	21,0	19,1	17,5	15,4	13,5		
NRC4 125-315	11	H mWC	23,2	22,7	22,2	21,9	21,3	20,6	19,5	17,4					
NRC4 125-315	15		27,8	27,2	27,0	26,8	26,4	26,0	25,0	23,5	22,0	20,5			
NRC4 125-315	18,5		30,8		30,1	30,0	29,6	29,3	27,0	27,3	26,0	24,8	23,0	22,0	
NRC4 125-315	22		33,9		33,4	33,2	33,0	32,7	32,1	31,1	30,1	29,0	27,7	26,8	24,4
NRC4 125-400	22	H mWC	40,0	39,2	39,0	38,7	38,0	37,7	37,0	34,2	32,4	30,0			
NRC4 125-400	30			47,0	47,3	47,5	47,3	47,2	47,0	45,2	43,0	42,0	40,0	37,5	
NRC4 125-400	37		55,5		55,1	55,0	54,8	54,3	53,3	52,1	51,0	48,7	47,5	46,3	
NRC4 125-400	45		63,0		62,5	62,4	62,2	62,0	61,3	60,0	58,7	57,3	55,3	54,2	
NRC4 125-450	45	H mWC	62,3		62,3	62,0	61,7	61,4	60,0	58,5	57,5	56,0	54,0		
NRC4 125-450	55		70,6		69,3	69,0	68,7	68,4	68,0	67,5	66,7	65,0	63,4	62,2	

**NRC4 Series Hydraulic Performance Table - 1450 rpm - 4 Poles - 50 Hz**

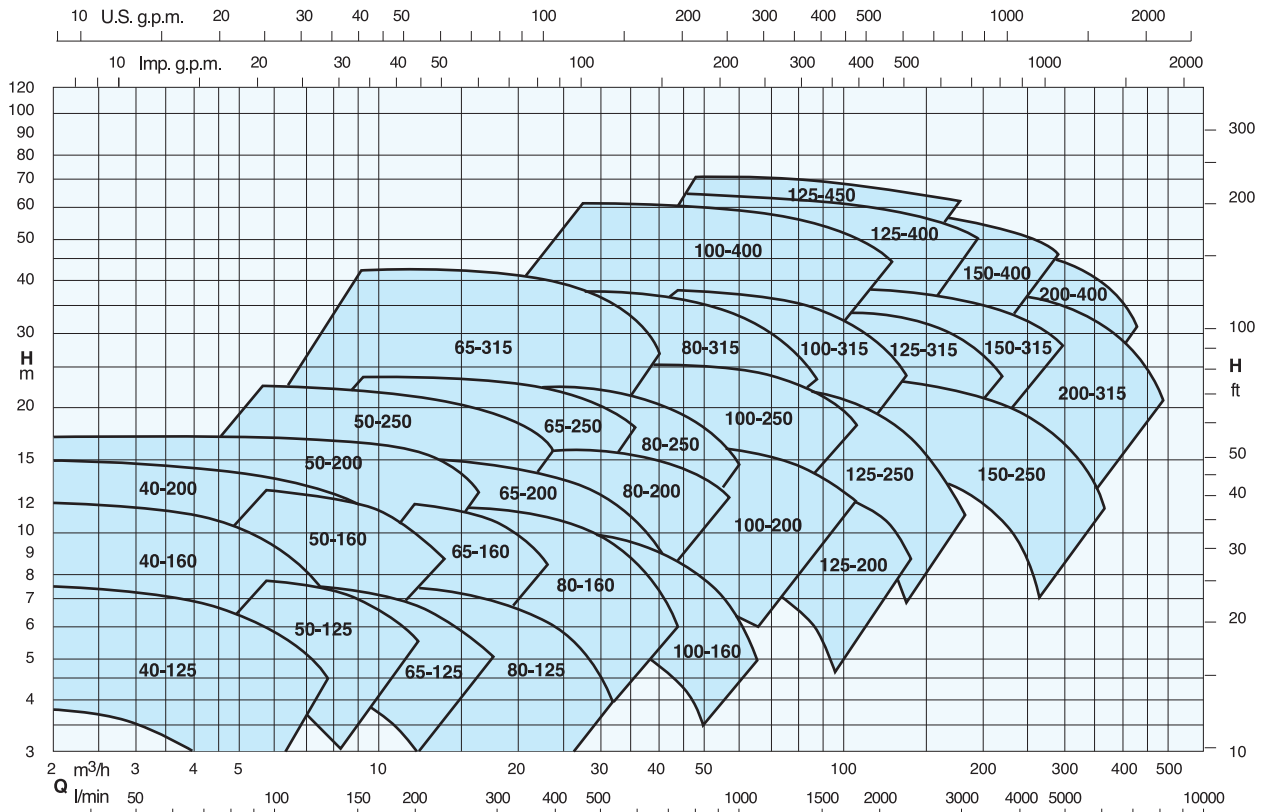
Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	120	140	160	180	200	220	240	260	280	300	330	350
NRC4 150-250	11	H mWC	15,5		14,5	14,0	13,4	12,6	12,0	11,0	10,0				
NRC4 150-250	15		19,2		18,0	17,8	17,2	16,7	16,0	15,3	14,5	13,2	12,0		
NRC4 150-250	18,5		22,4		21,4	21,0	20,7	20,3	19,7	19,0	18,3	17,2	16,0	13,5	
NRC4 150-250	22		23,8		23,0	22,7	22,4	22,0	21,6	21,0	20,2	19,1	18,0	15,6	13,8
NRC4 150-315	15	H mWC	21,1	20,4	19,8	19,2	18,2	17,0	15,6						
NRC4 150-315	18,5		23,7	23,0	22,5	22,1	21,4	20,5	19,3	17,5					
NRC4 150-315	22		27,5	27,0	27,0	26,7	26,0	25,0	23,7	22,0	21,0				
NRC4 150-315	30		34,1		33,1	32,7	32,0	31,5	30,4	24,2	28,2	26,7			
NRC4 150-315	37		39,2		38,0	37,5	36,7	36,0	35,0	33,8	33,0	31,2	29,5		
NRC4 150-400	37	H mWC	48,0	47,0	46,0	45,5	44,3	43,3	42,0	40,0					
NRC4 150-400	45		53,4	52,0	51,8	51,0	50,0	49,0	48,0	46,6	45,0	42,7			
NRC4 150-400	55		59,0	58,2	58,0	57,2	56,6	56,0	55,0	54,0	52,5	50,8	49,0		
NRC4 150-400	75		68,0	66,4	66,0	65,4	64,7	64,0	63,0	62,0	61,6	60,0	58,5	55,4	

Pompa Tipi Pump Type	kW	Q m <sup>3</sup> /h	0	175	200	225	250	275	300	325	360	400	425	450	500
NRC4 200-315	18,5	H mWC	22,8	21,0	20,3	19,0	18,0	16,5	15,0	13,0					
NRC4 200-315	22		24,6	23,0	22,3	21,5	20,3	19,0	18,0	16,0	13,8				
NRC4 200-315	30		29,3	28,5	28,0	27,2	26,2	25,0	23,7	22,4	20,5	17,4			
NRC4 200-315	37		34,7	34,0	33,8	33,3	32,6	31,7	30,7	29,2	27,6	24,6	22,8	20,5	
NRC4 200-315	45		39,2	38,5	38,2	37,7	37,0	36,0	35,0	34,0	32,0	30,0	28,0	26,2	22,0

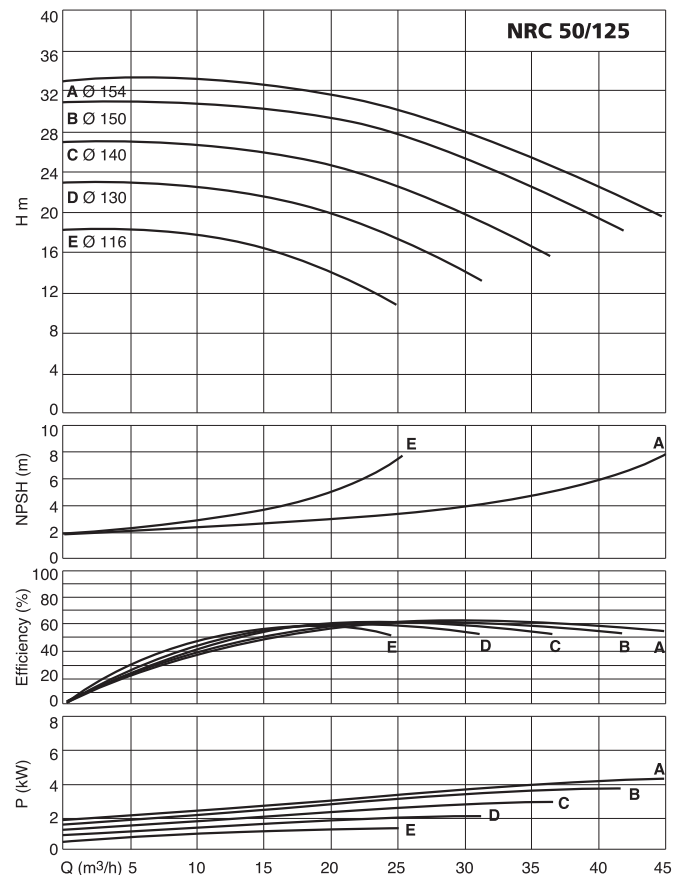
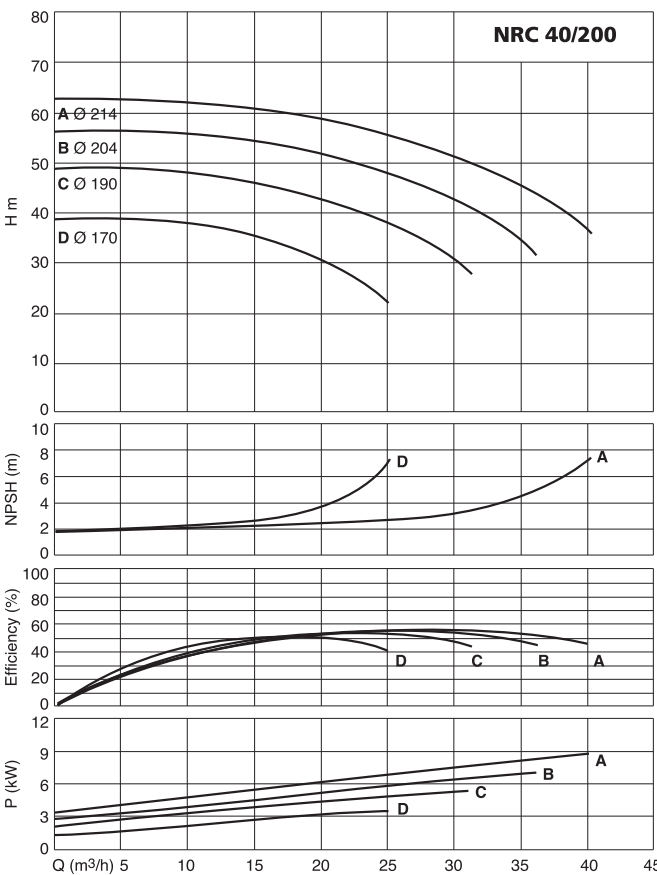
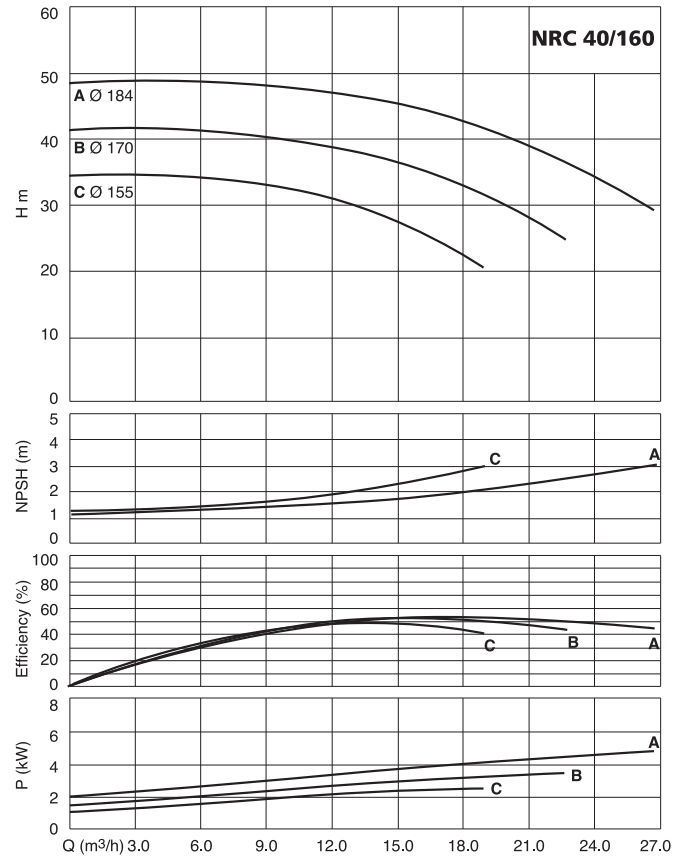
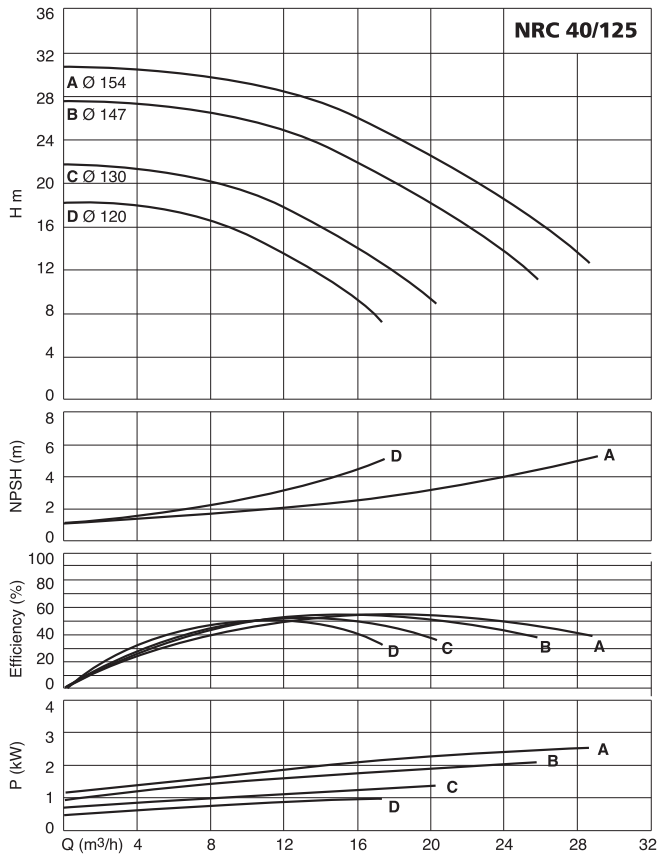
Coverage chart for NRC series, n ≈ 2900 rpm



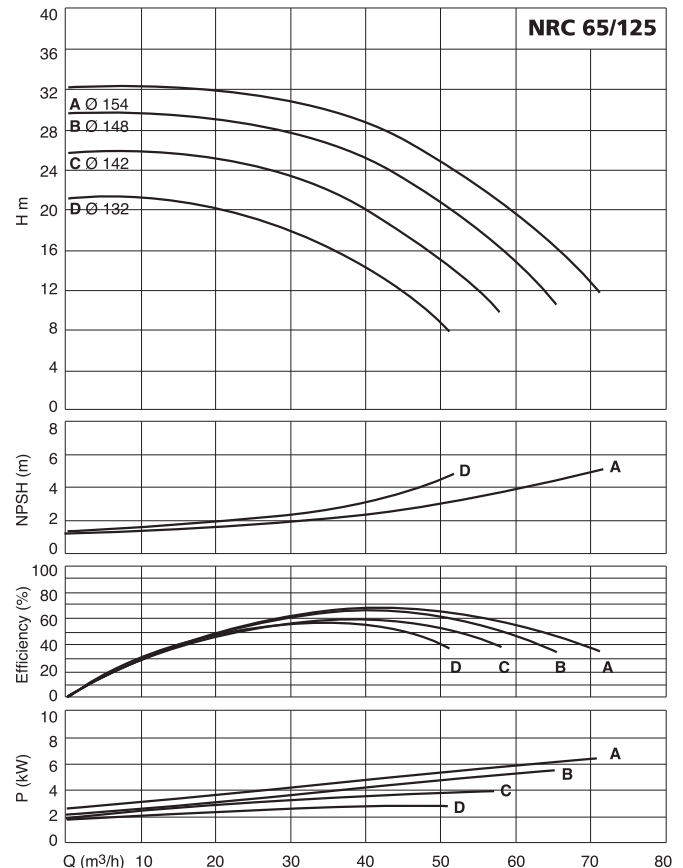
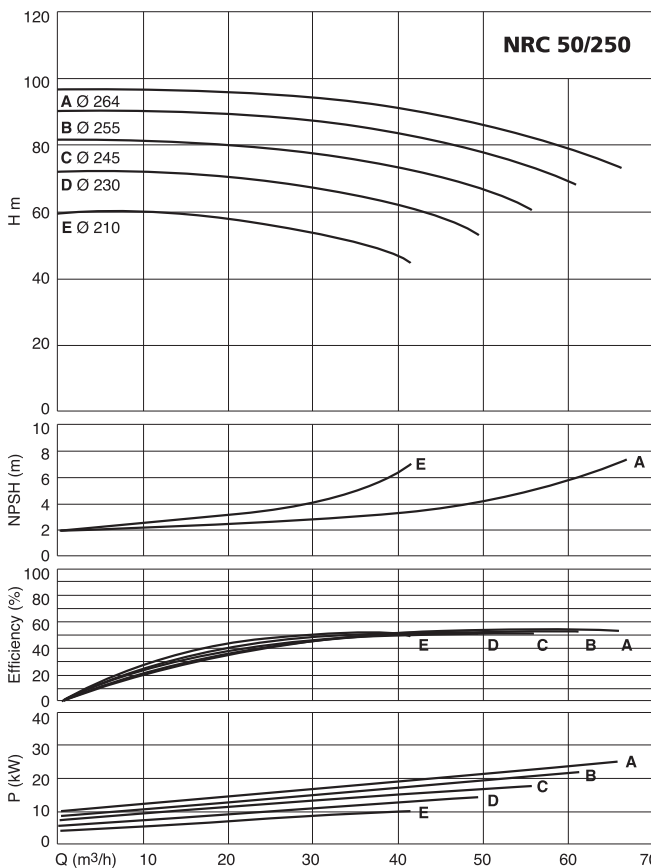
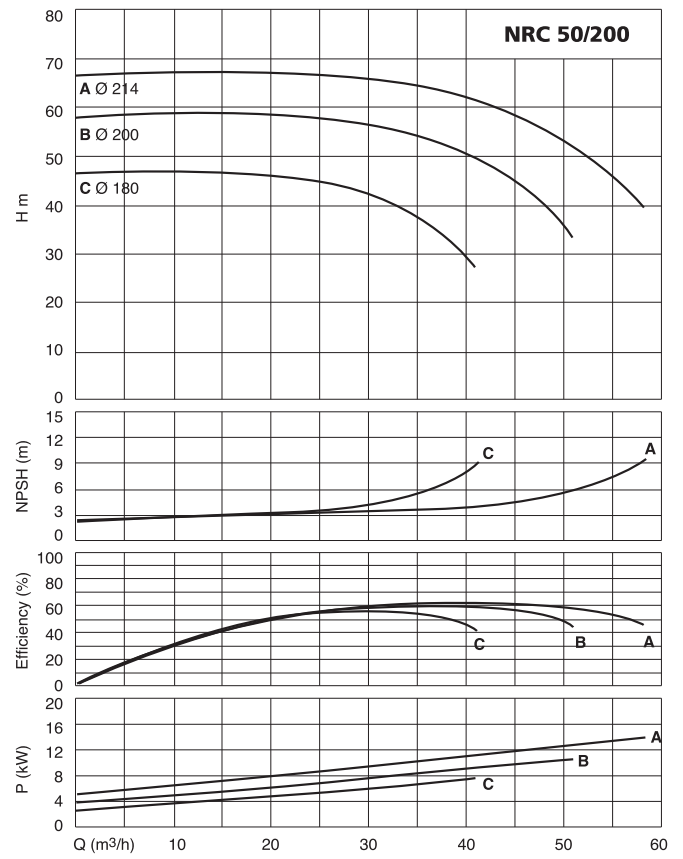
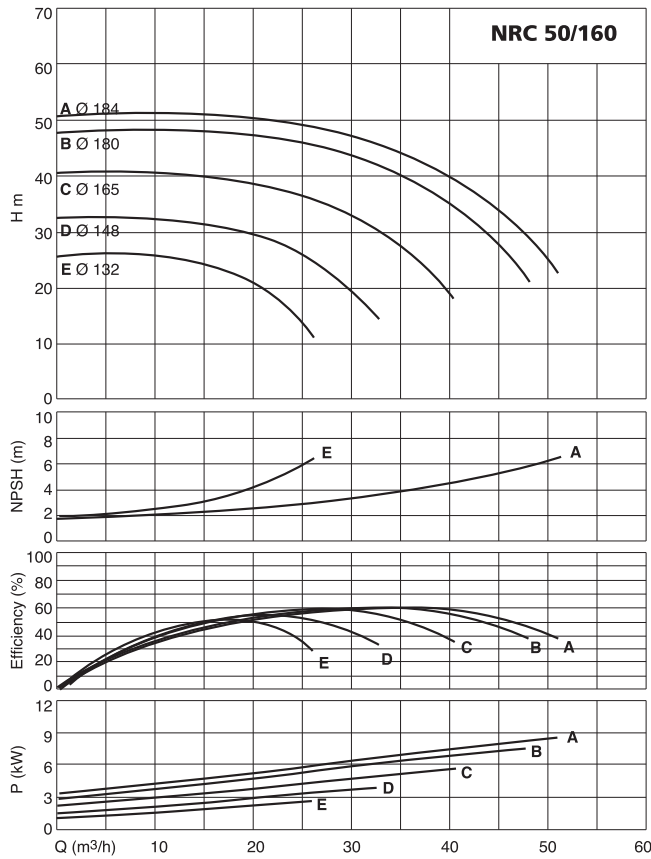
Coverage chart for NRC4 series, n ≈ 1450 rpm



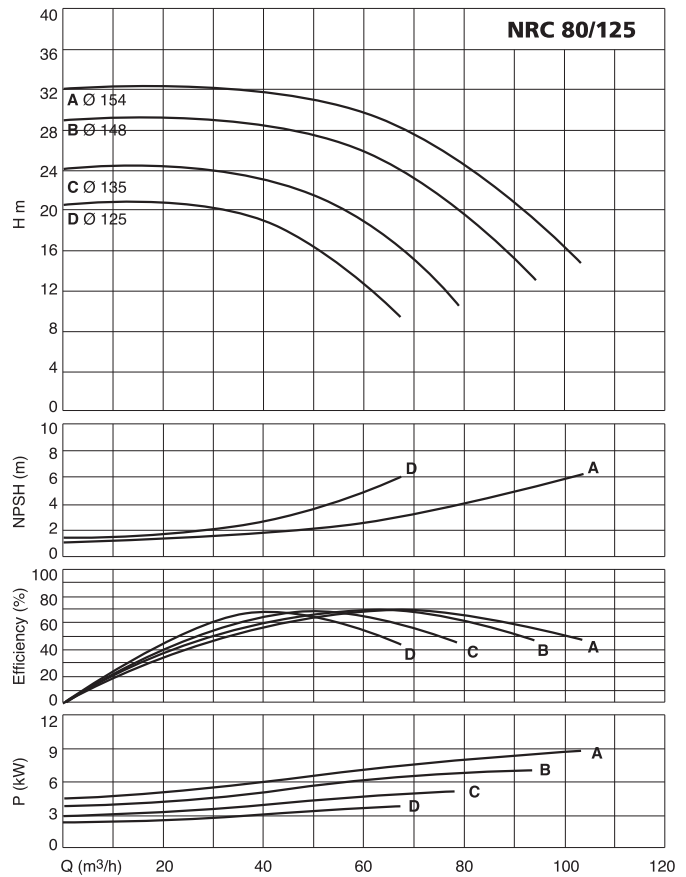
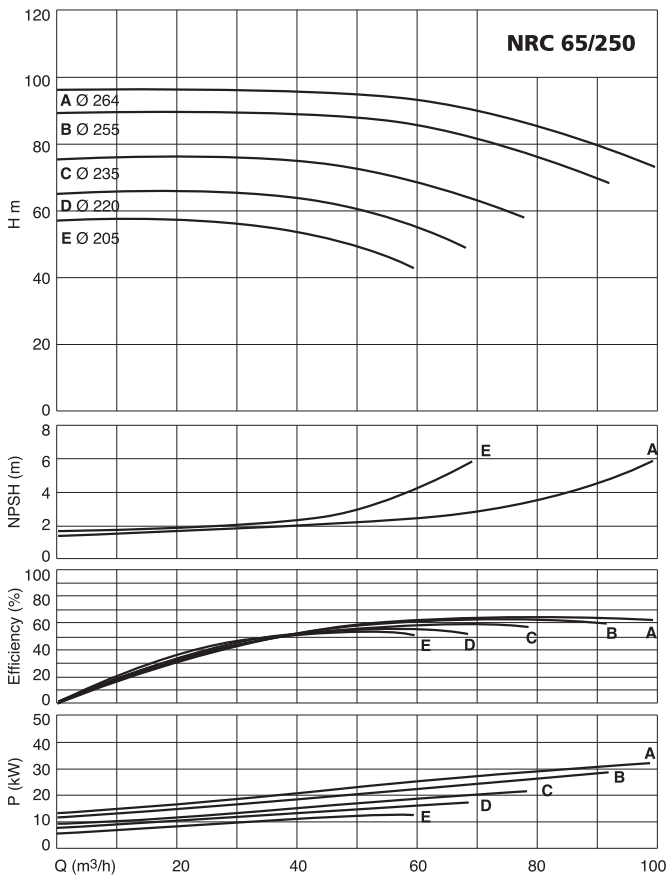
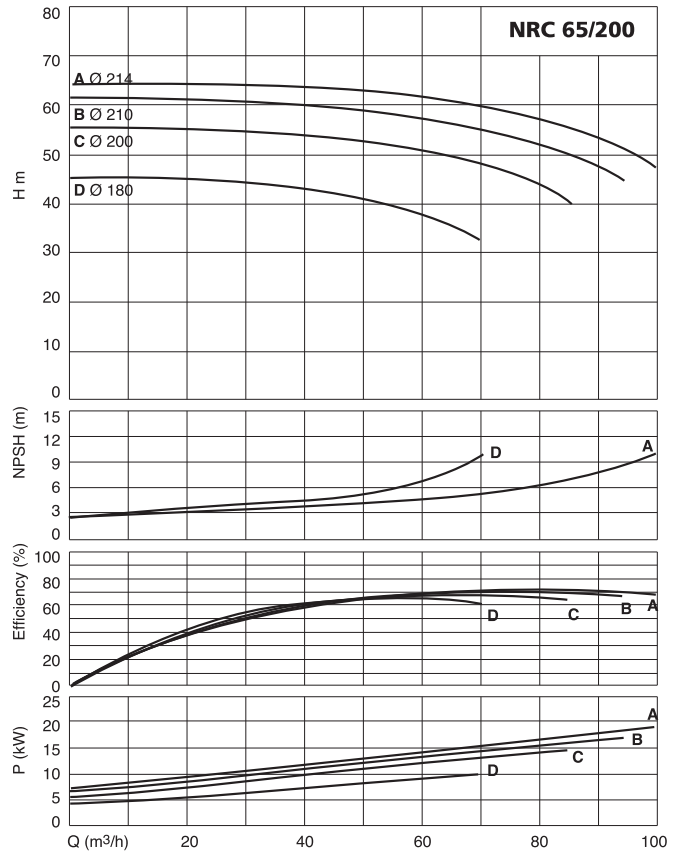
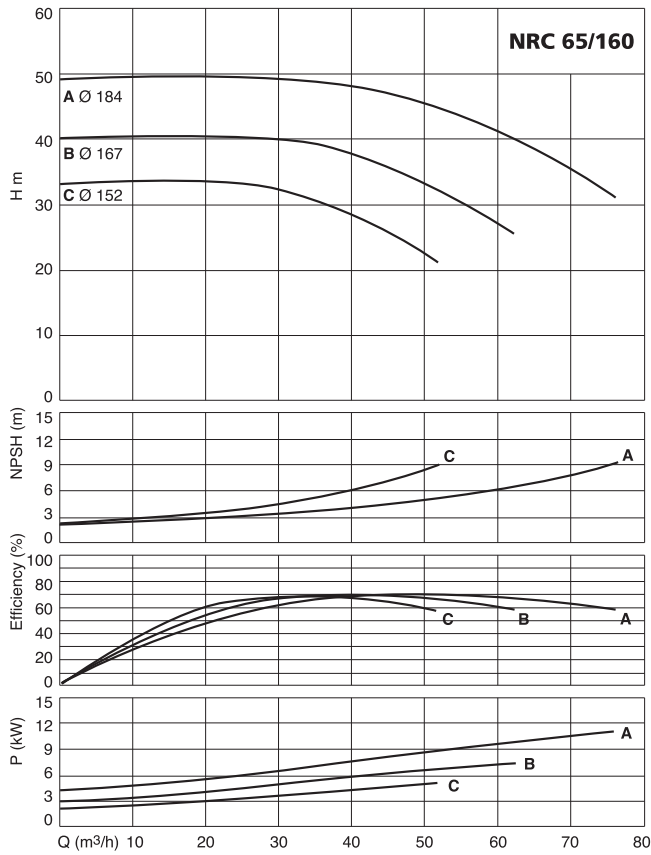
Caracteristic Curves n = 2900 1/min



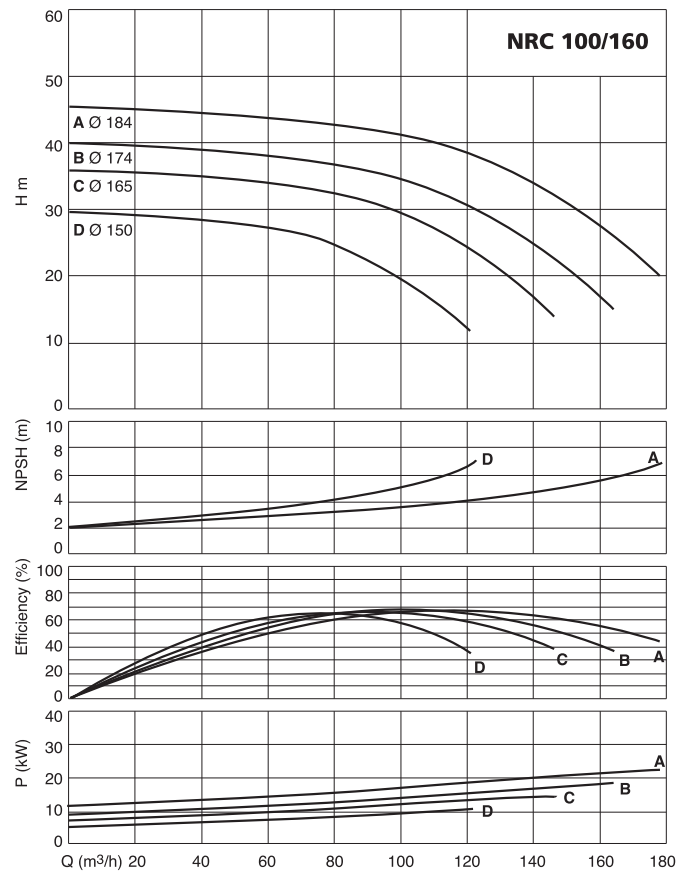
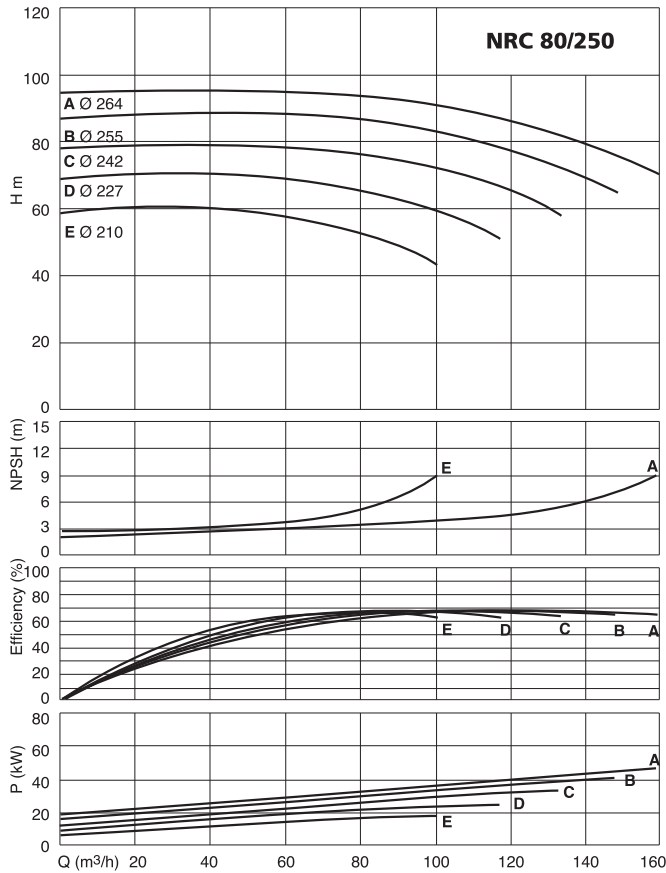
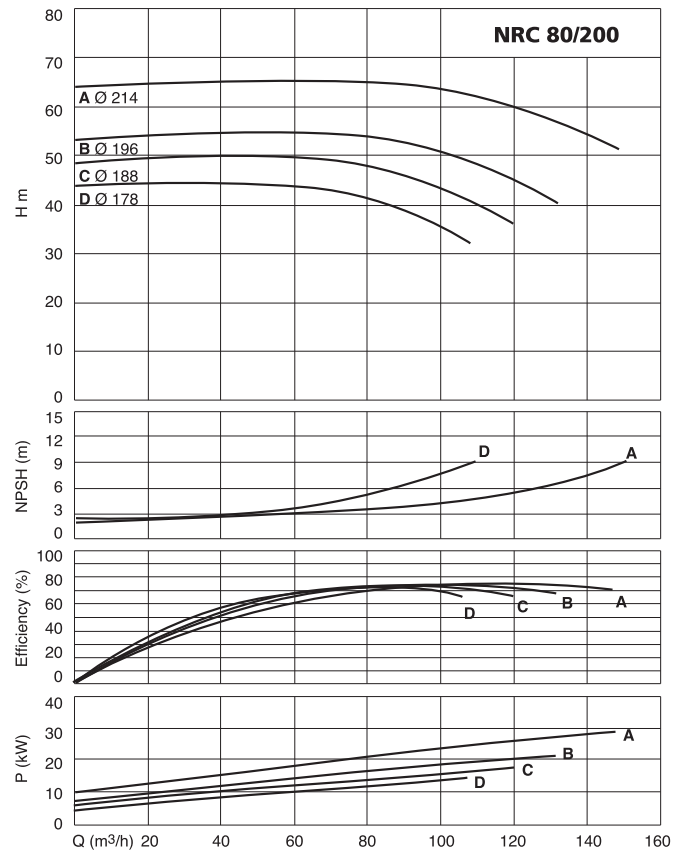
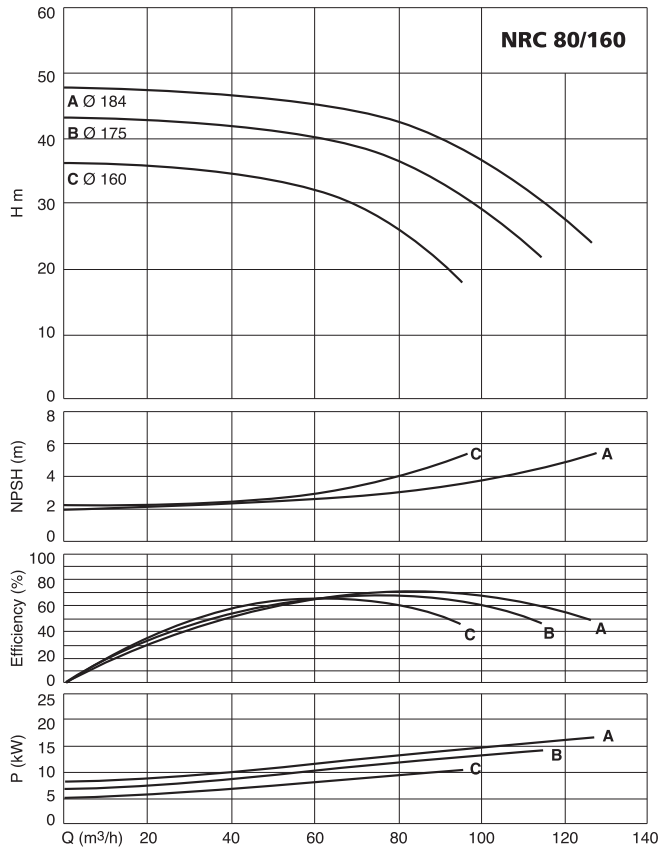
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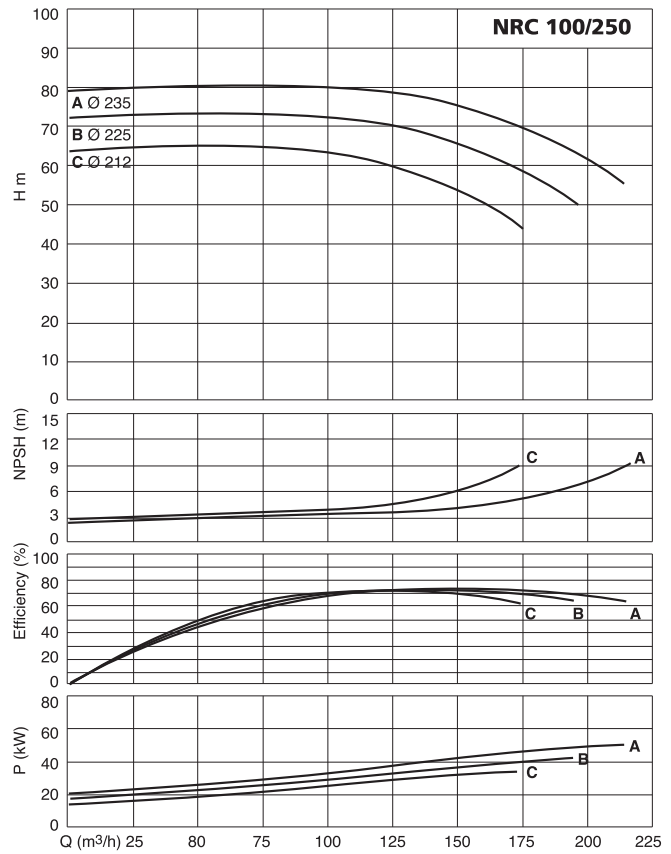
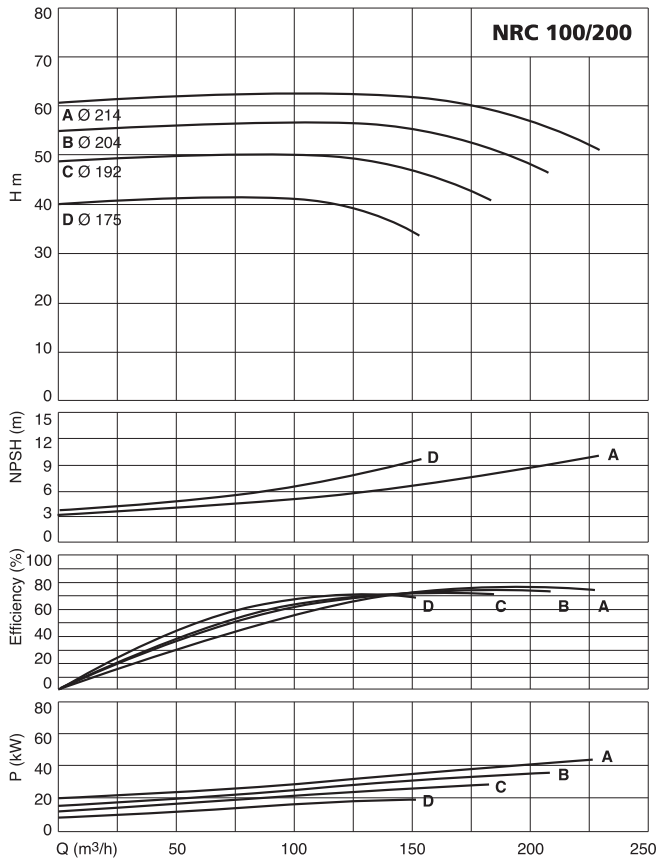
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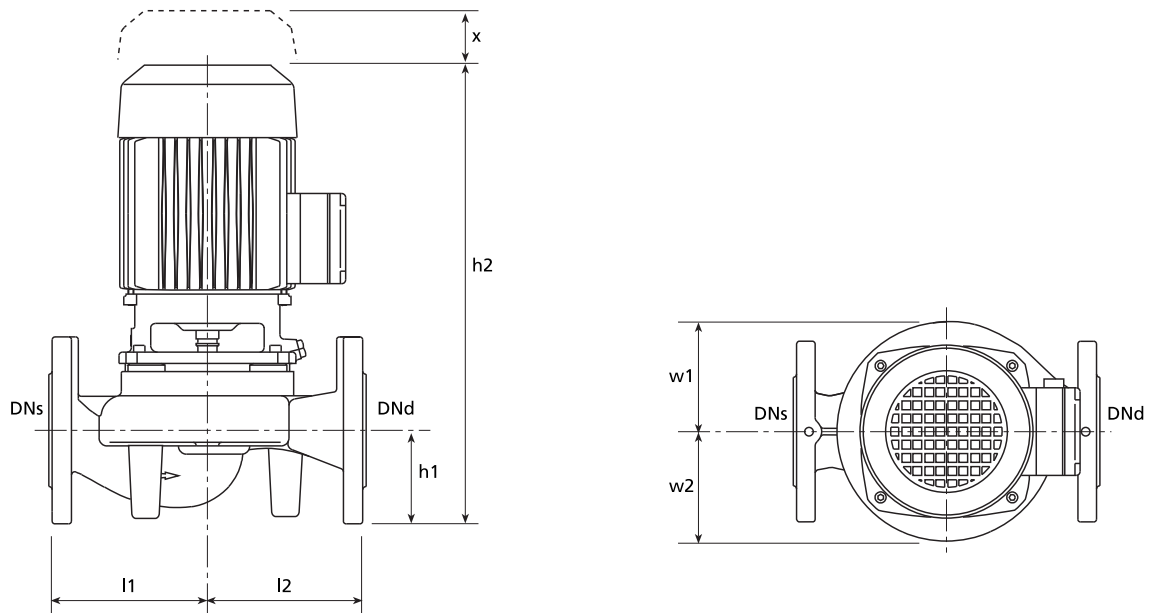
Characteristic Curves n = 2900 1/min



Characteristic Curves n = 2900 1/min

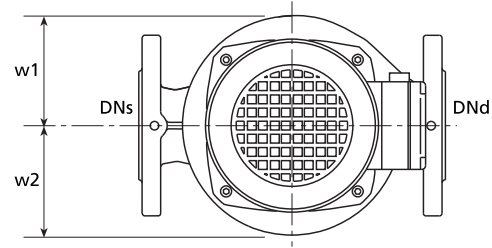
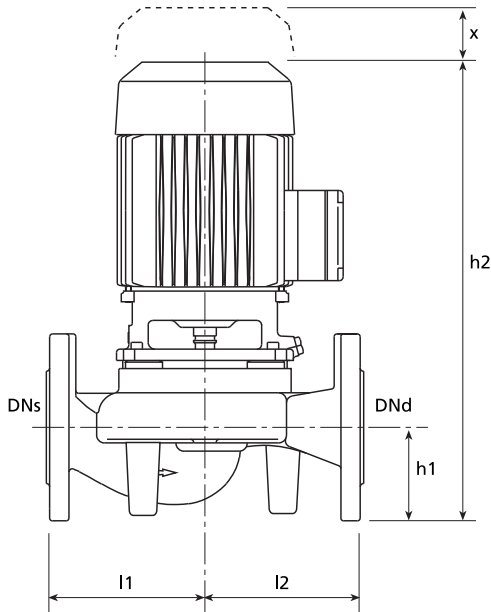


Dimensions and weights



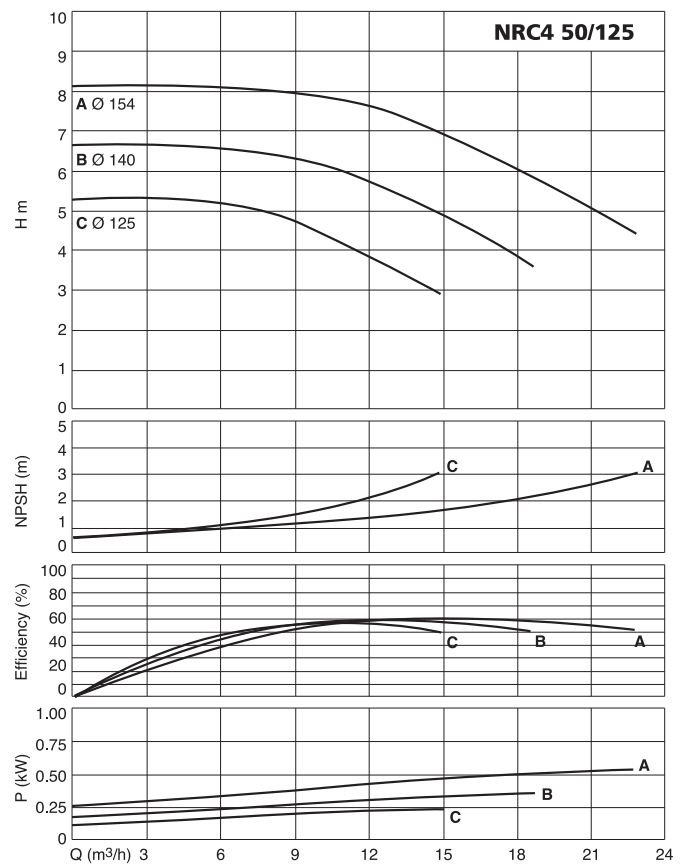
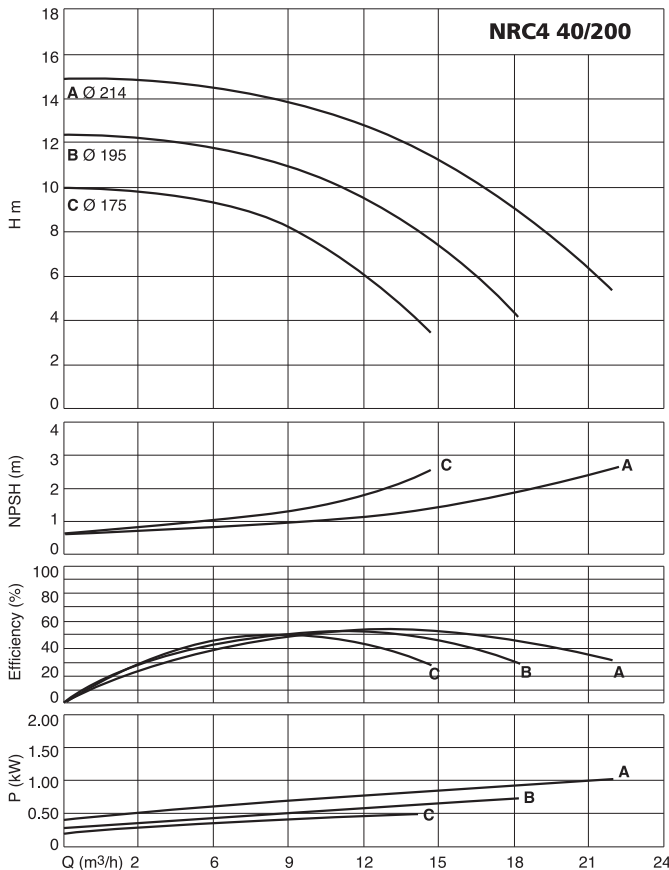
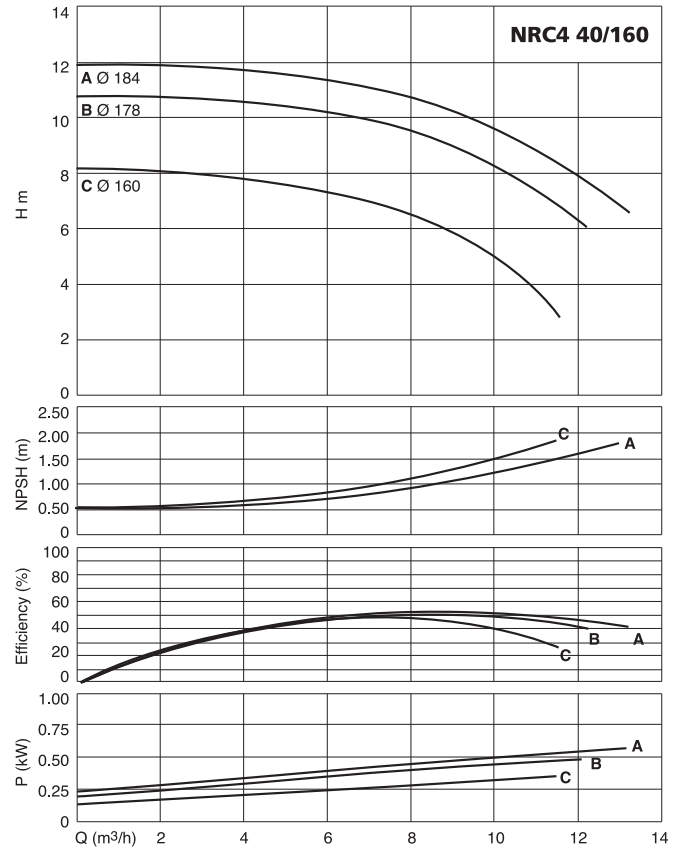
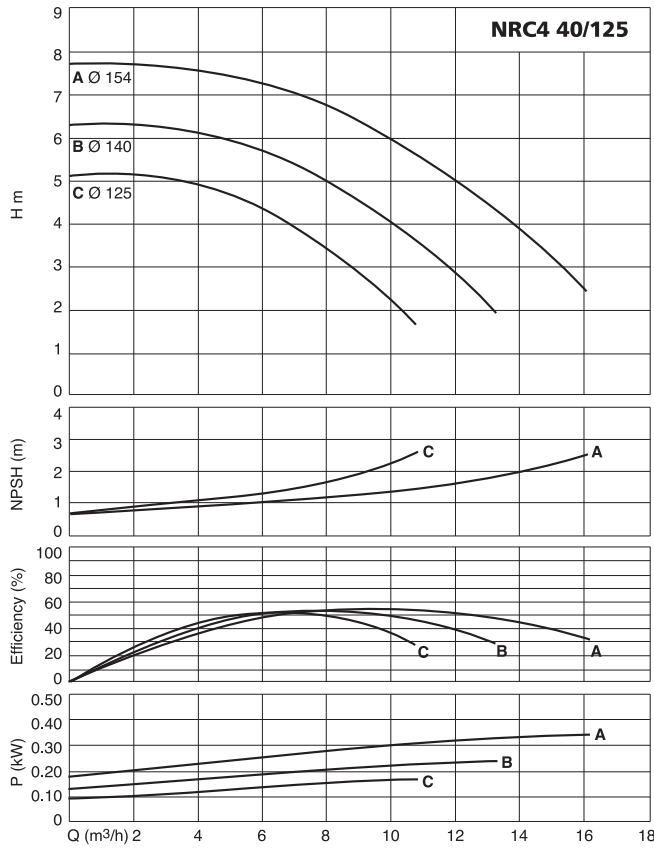
Pump Type	Motor Power	DNc	DNd	l1	l2	h1	h2	x	w1	w2	weight
NRC 40-125	1.1 kW	40	40	160	140	75	484	100	100	108	44
NRC 40-125	1.5 kW	40	40	160	140	75	507	100	100	108	48
NRC 40-125	2.2 kW	40	40	160	140	75	507	100	100	108	52
NRC 40-125	3 kW	40	40	160	140	75	532	100	100	108	61
NRC 40-160	3 kW	40	40	180	160	75	532	100	114	122	67
NRC 40-160	4 kW	40	40	180	160	75	576	100	114	122	73
NRC 40-160	5.5 kW	40	40	180	160	75	666	100	114	122	83
NRC 40-200	4 kW	40	40	200	180	75	576	100	135	140	77
NRC 40-200	5.5 kW	40	40	200	180	75	666	100	135	140	88
NRC 40-200	7.5 kW	40	40	200	180	75	666	100	135	140	95
NRC 40-200	11 kW	40	40	200	180	75	790	100	135	140	131
NRC 50-125	1.5 kW	50	50	160	140	90	522	100	102	110	53
NRC 50-125	2.2 kW	50	50	160	140	90	522	100	102	110	55
NRC 50-125	3 kW	50	50	160	140	90	547	100	102	110	63
NRC 50-125	4 kW	50	50	160	140	90	591	100	102	110	68
NRC 50-160	3 kW	50	50	180	160	90	547	100	114	124	66
NRC 50-160	4 kW	50	50	180	160	90	591	100	114	124	71
NRC 50-160	5.5 kW	50	50	180	160	90	681	100	114	124	84
NRC 50-160	7.5 kW	50	50	180	160	90	681	100	114	124	91
NRC 50-200	7.5 kW	50	50	225	200	90	681	100	135	145	99
NRC 50-200	11 kW	50	50	225	200	90	805	100	135	145	136
NRC 50-200	15 kW	50	50	225	200	90	805	100	135	145	147
NRC 50-250	11 kW	50	50	250	225	90	805	100	167	175	151
NRC 50-250	15 kW	50	50	250	225	90	805	100	167	175	158
NRC 50-250	18.5 kW	50	50	250	225	90	805	100	167	175	175
NRC 50-250	22 kW	50	50	250	225	90	848	100	167	175	200
NRC 65-125	3 kW	65	65	180	160	110	567	100	102	120	69
NRC 65-125	4 kW	65	65	180	160	110	611	100	102	120	77
NRC 65-125	5.5 kW	65	65	180	160	110	701	100	102	120	88
NRC 65-160	5.5 kW	65	65	200	180	110	701	100	116	136	90
NRC 65-160	7.5 kW	65	65	200	180	110	701	100	116	136	95
NRC 65-160	11 kW	65	65	200	180	110	825	100	116	136	131

Dimensions and weights

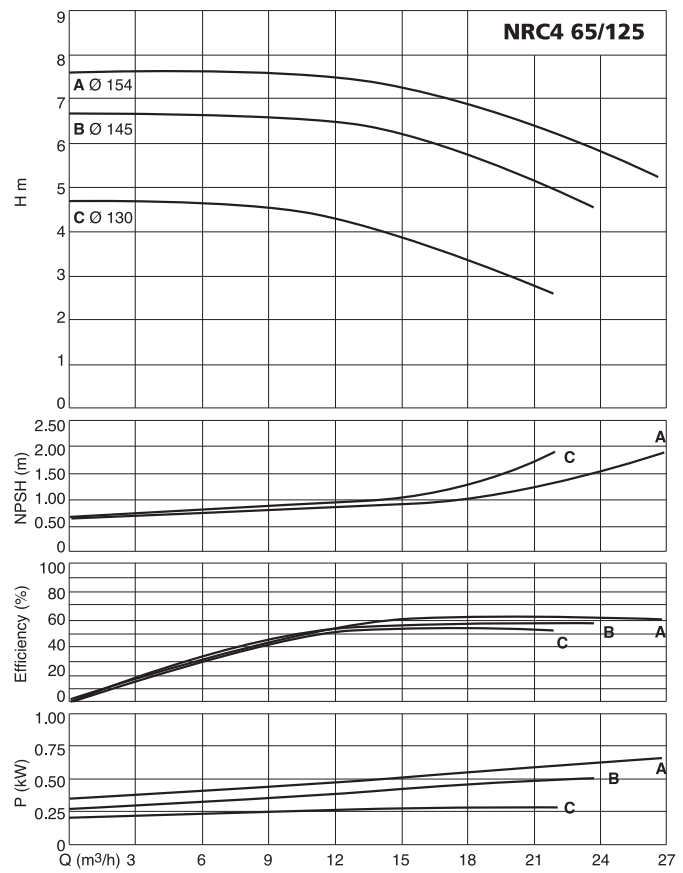
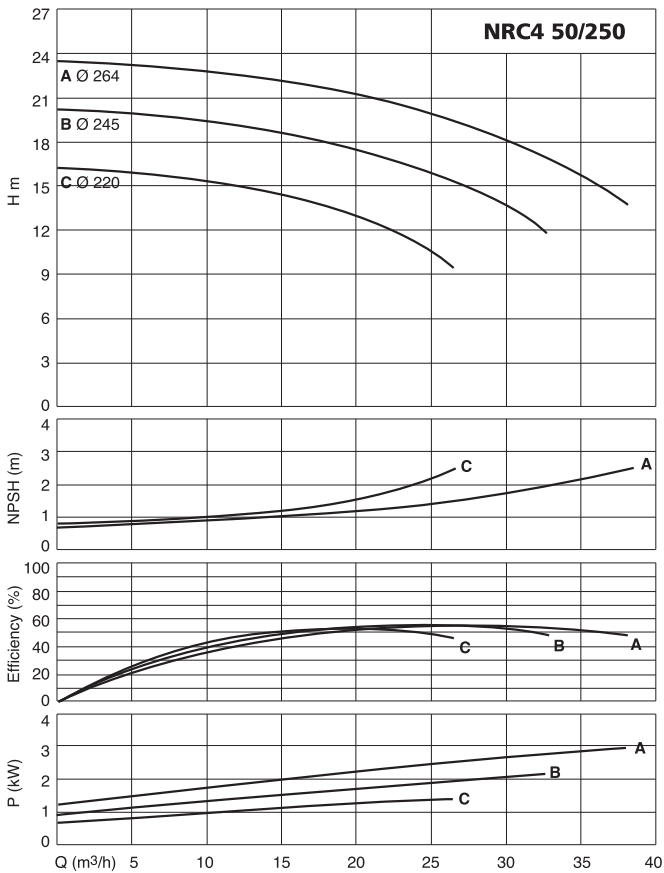
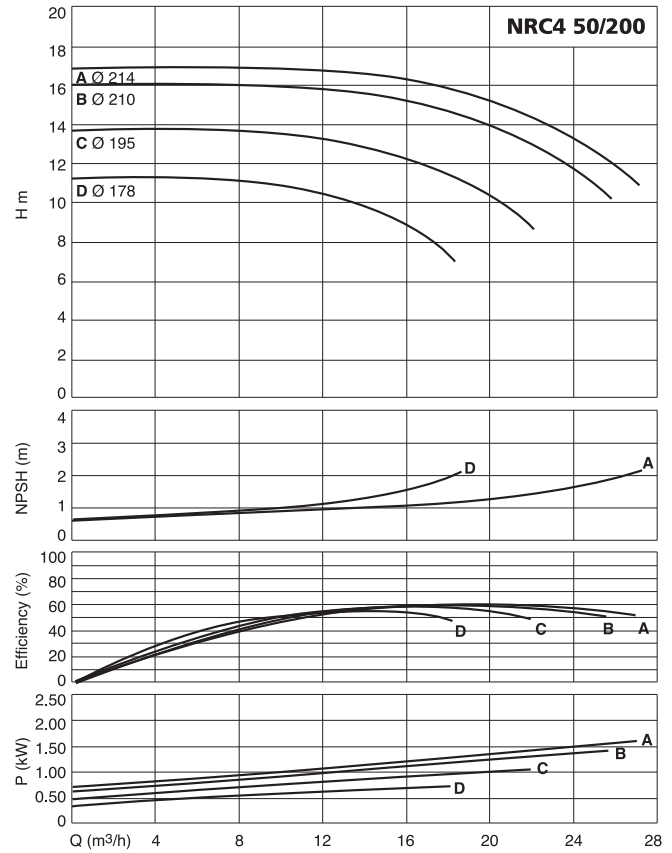
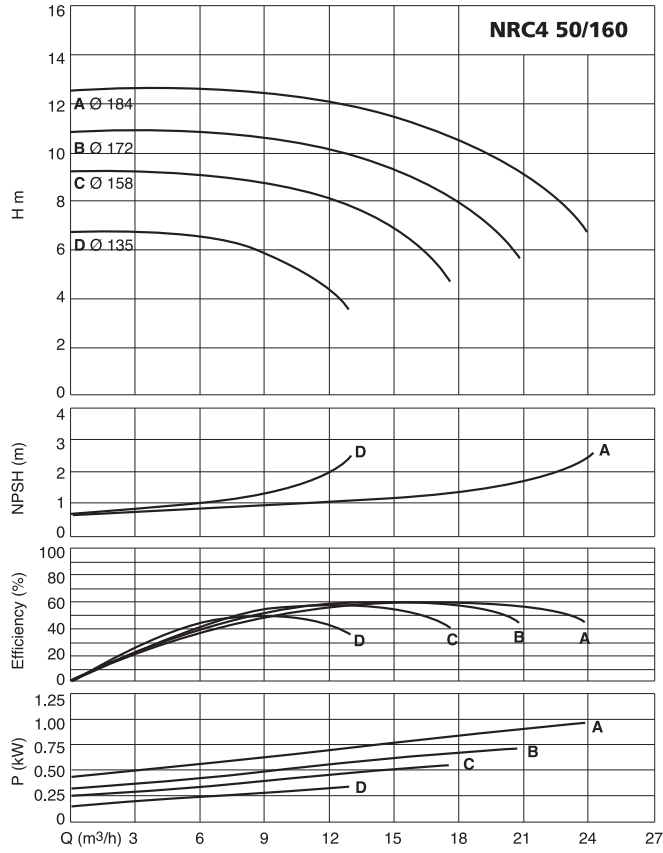


Pump Type	Motor Power	DNs	DNd	l1	l2	h1	h2	x	w1	w2	weight
NRC 65-200	11 kW	65	65	250	225	110	825	100	153	162	149
NRC 65-200	15 kW	65	65	250	225	110	825	100	153	162	154
NRC 65-200	18,5 kW	65	65	250	225	110	825	100	153	162	170
NRC 65-200	22 kW	65	65	250	225	110	868	100	153	162	183
NRC 65-250	18,5 kW	65	65	250	225	110	825	125	166	177	182
NRC 65-250	22 kW	65	65	250	225	110	868	125	166	177	206
NRC 65-250	30 kW	65	65	250	225	110	904	125	166	177	250
NRC 65-250	37 kW	65	65	250	225	110	904	125	166	177	269
NRC 80-125	4 kW	80	80	200	180	130	631	125	114	138	85
NRC 80-125	5,5 kW	80	80	200	180	130	721	125	114	138	95
NRC 80-125	7,5 kW	80	80	200	180	130	721	125	114	138	102
NRC 80-160	7,5 kW	80	80	225	200	130	721	125	128	152	107
NRC 80-160	11 kW	80	80	225	200	130	845	125	128	152	141
NRC 80-160	15 kW	80	80	225	200	130	845	125	128	152	151
NRC 80-160	18,5 kW	80	80	225	200	130	845	125	128	152	167
NRC 80-200	15 kW	80	80	250	225	130	845	125	146	170	160
NRC 80-200	18,5 kW	80	80	250	225	130	845	125	146	170	175
NRC 80-200	22 kW	80	80	250	225	130	888	125	146	170	200
NRC 80-200	30 kW	80	80	250	225	130	924	125	146	170	245
NRC 80-250	15 kW	80	80	280	280	140	863	125	182	197	203
NRC 80-250	18,5 kW	80	80	280	280	140	863	125	182	197	207
NRC 80-250	22 kW	80	80	280	280	140	906	125	182	197	232
NRC 80-250	30 kW	80	80	280	280	140	948	125	182	197	290
NRC 100-160	11 kW	100	100	250	225	150	865	140	130	162	155
NRC 100-160	15 kW	100	100	250	225	150	865	140	130	162	164
NRC 100-160	18,5 kW	100	100	250	225	150	865	140	130	162	180
NRC 100-200	22 kW	100	100	275	250	170	936	140	170	192	245
NRC 100-200	30 kW	100	100	275	250	170	978	140	170	192	306
NRC 100-200	37 kW	100	100	275	250	170	978	140	170	192	322
NRC 100-200	45 kW	100	100	275	250	170	1048	140	170	192	360
NRC 100-250	37 kW	100	100	300	280	170	978	140	178	206	305
NRC 100-250	45 kW	100	100	300	280	170	1048	140	178	206	367
NRC 100-250	55 kW	100	100	300	280	170	1097	140	178	206	410

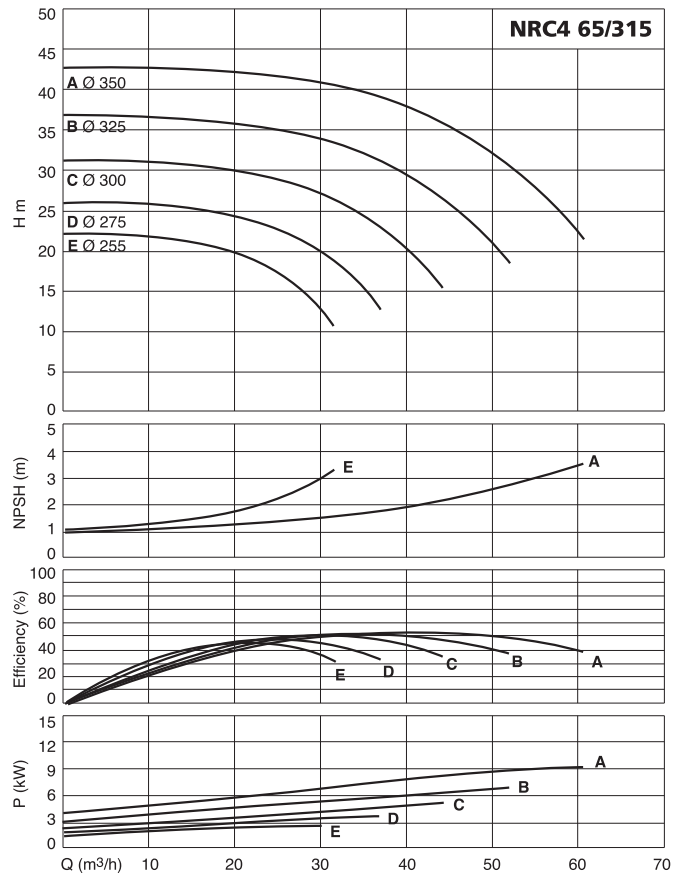
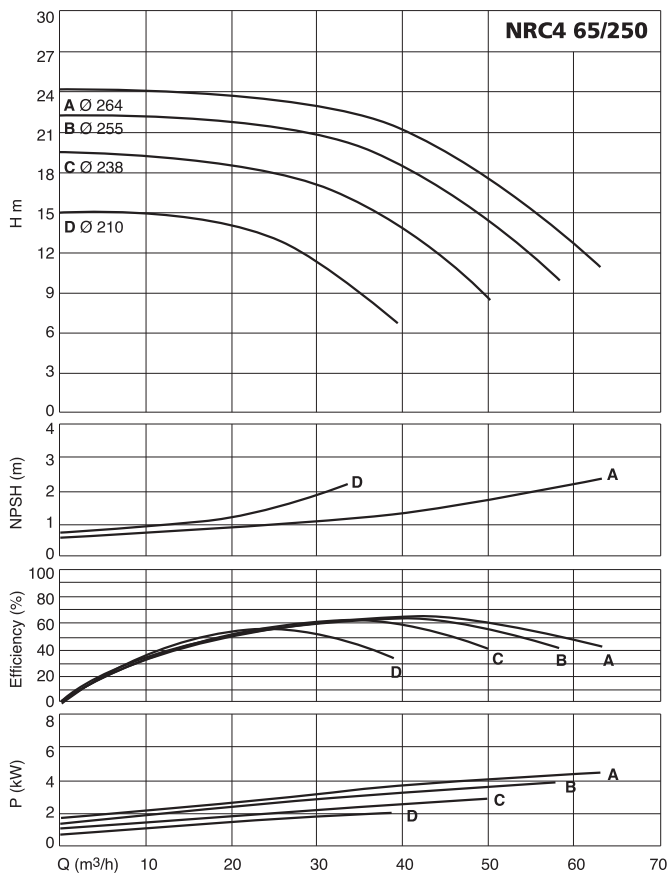
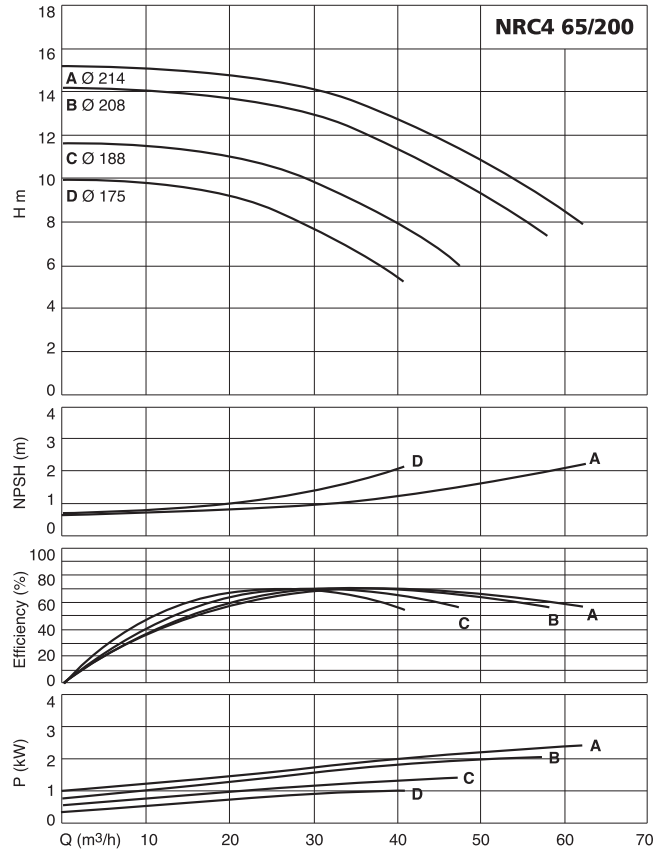
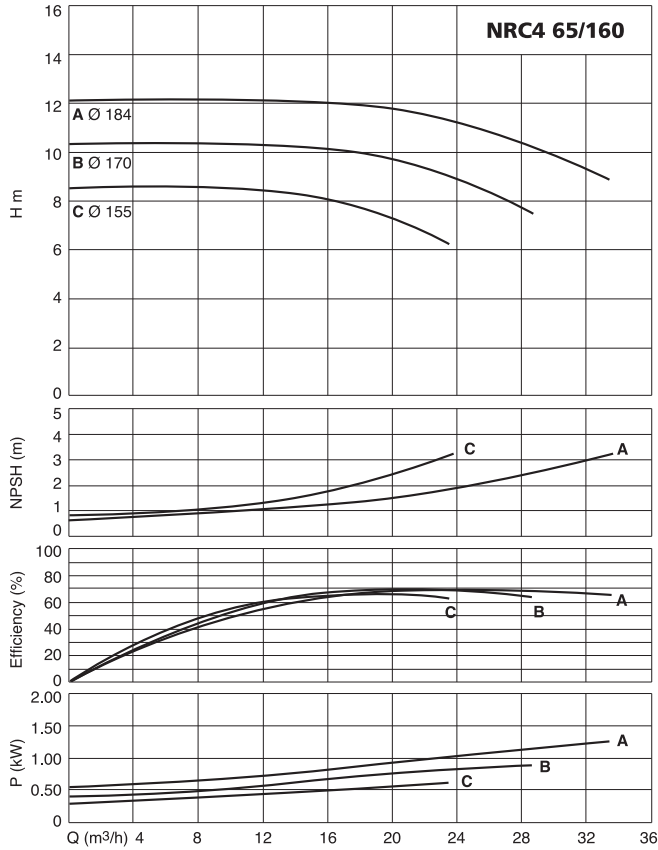
Caracteristic Curves n = 1450 1/min

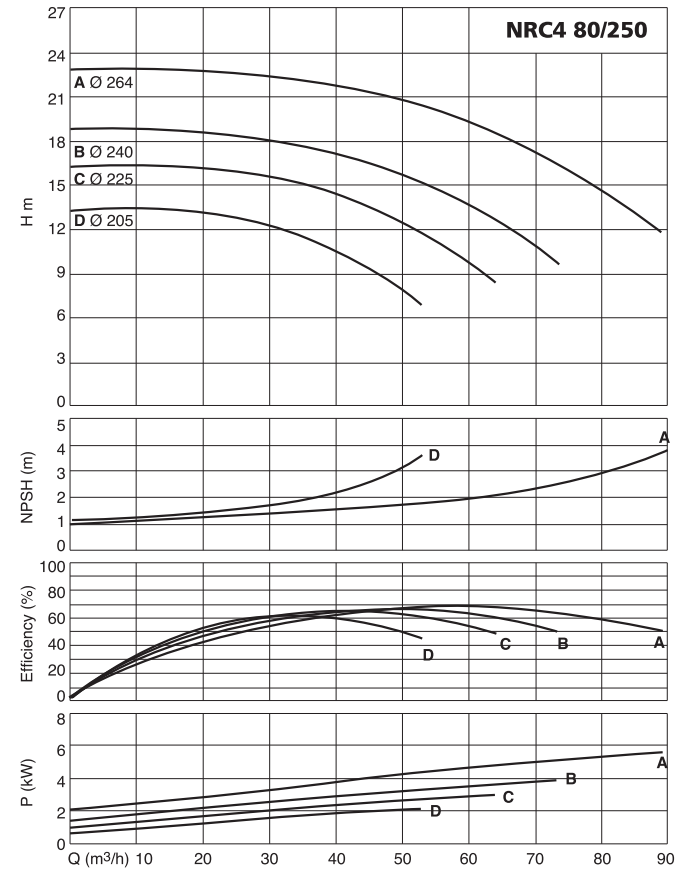
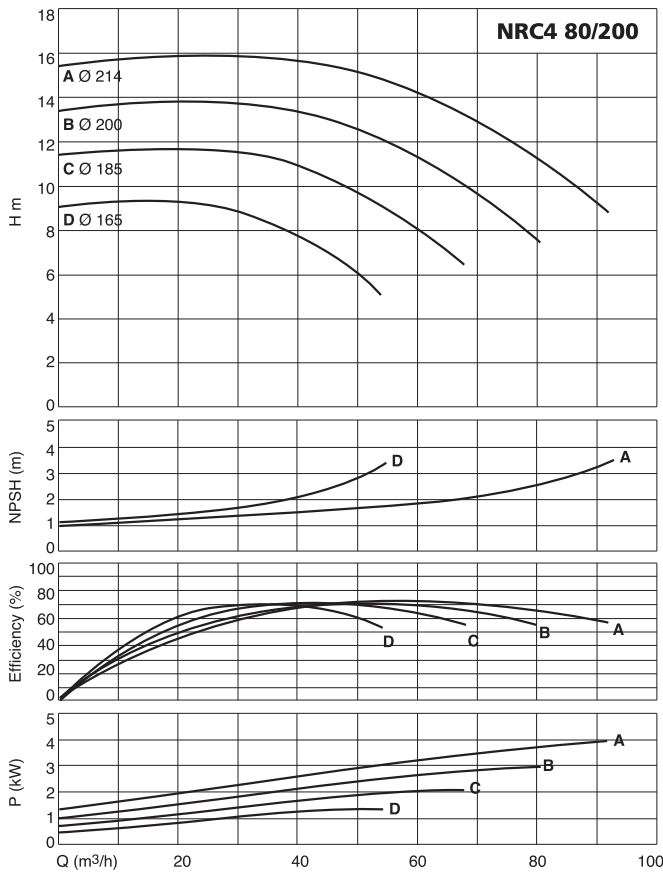
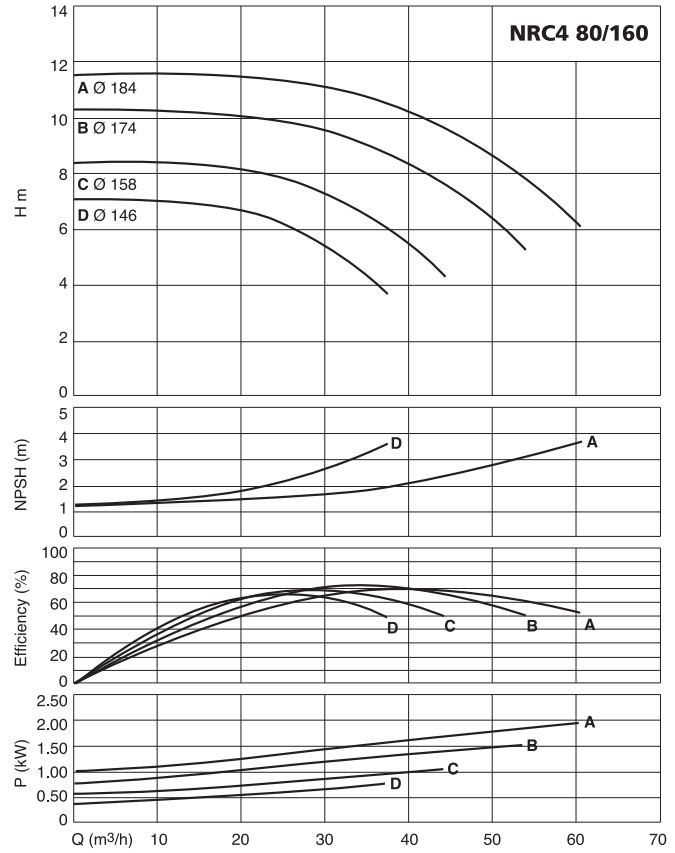
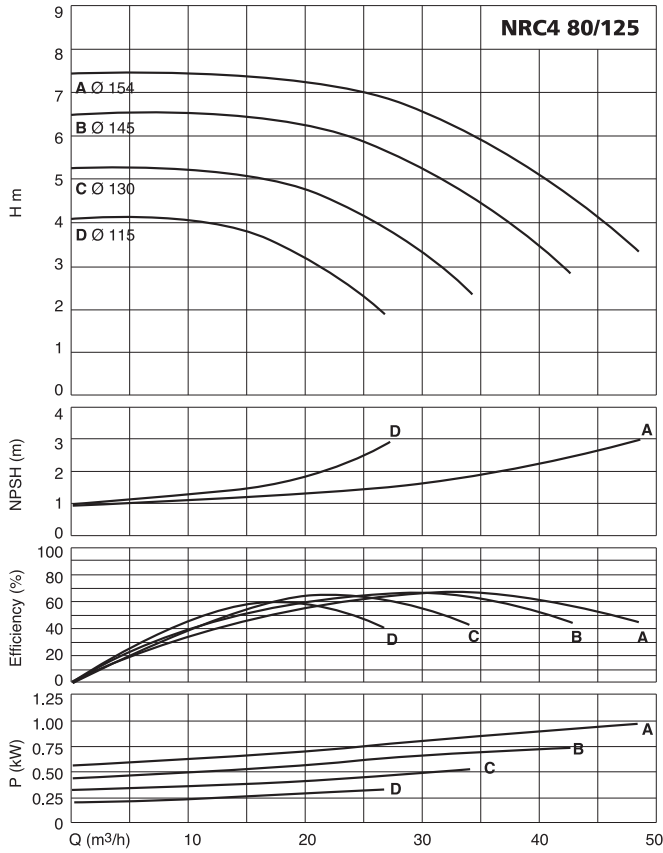


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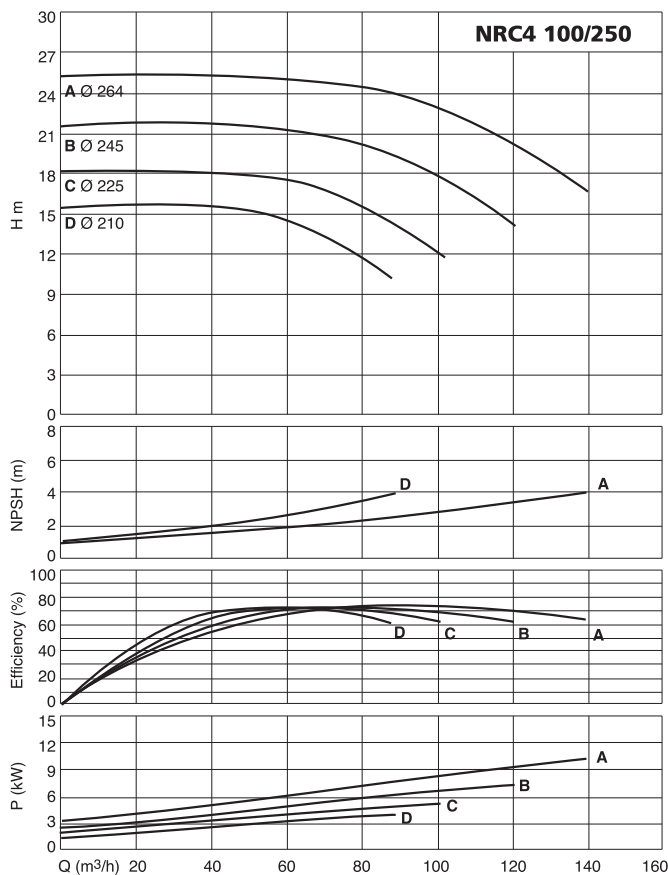
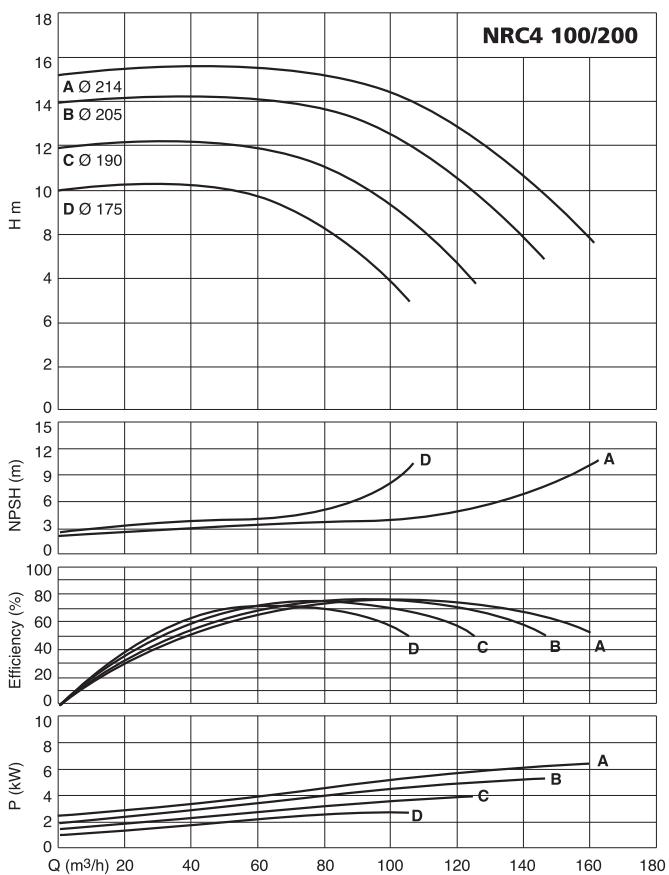
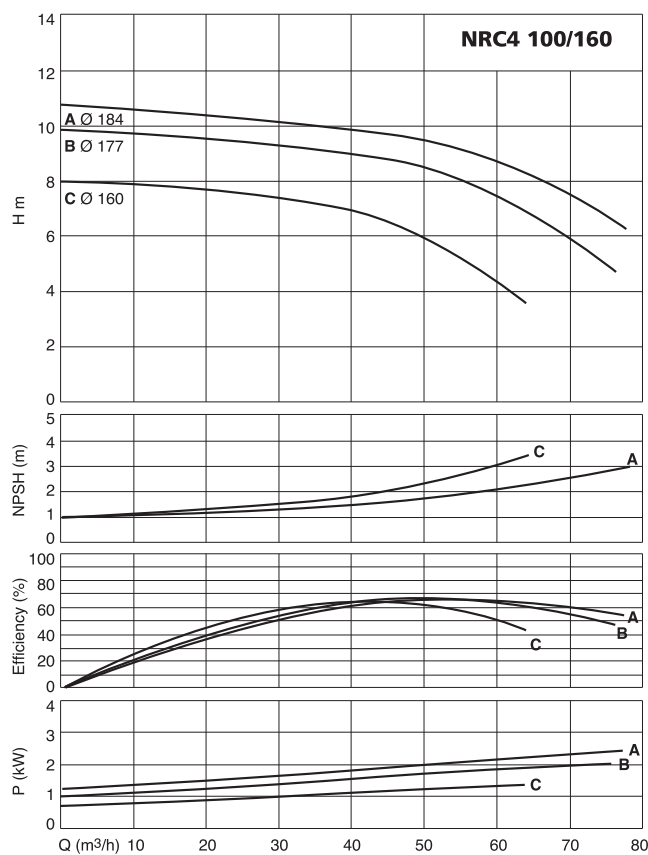
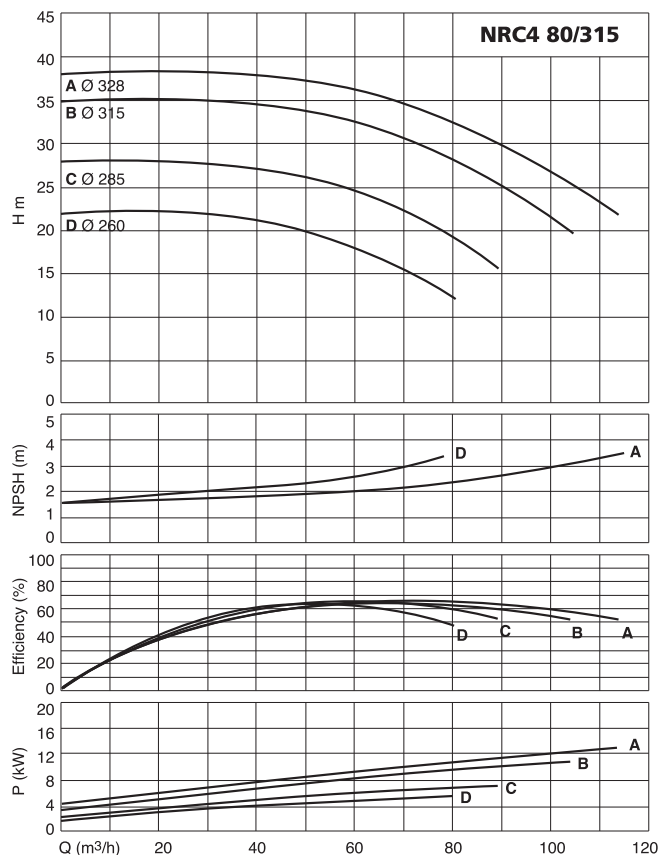


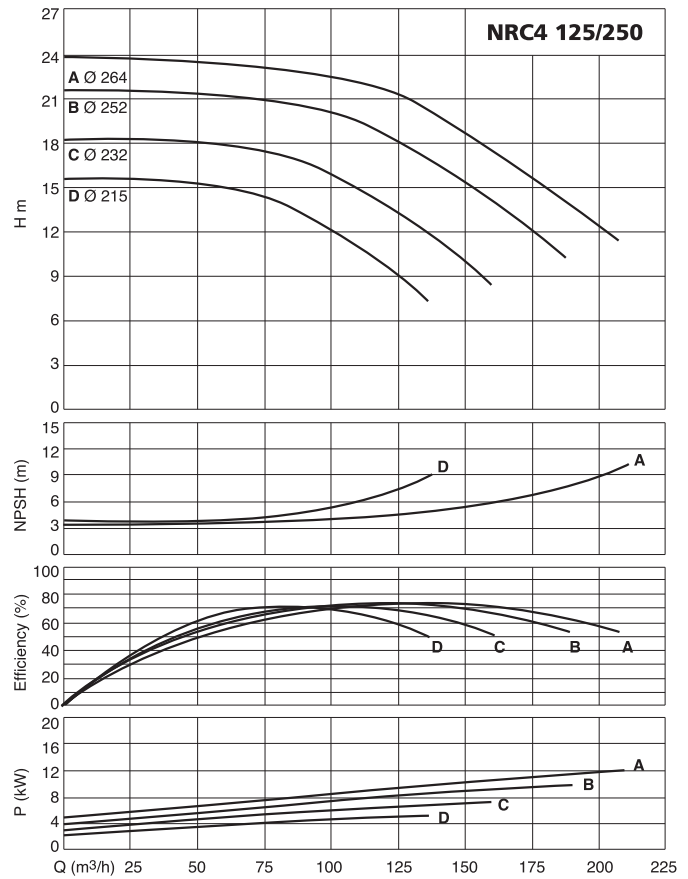
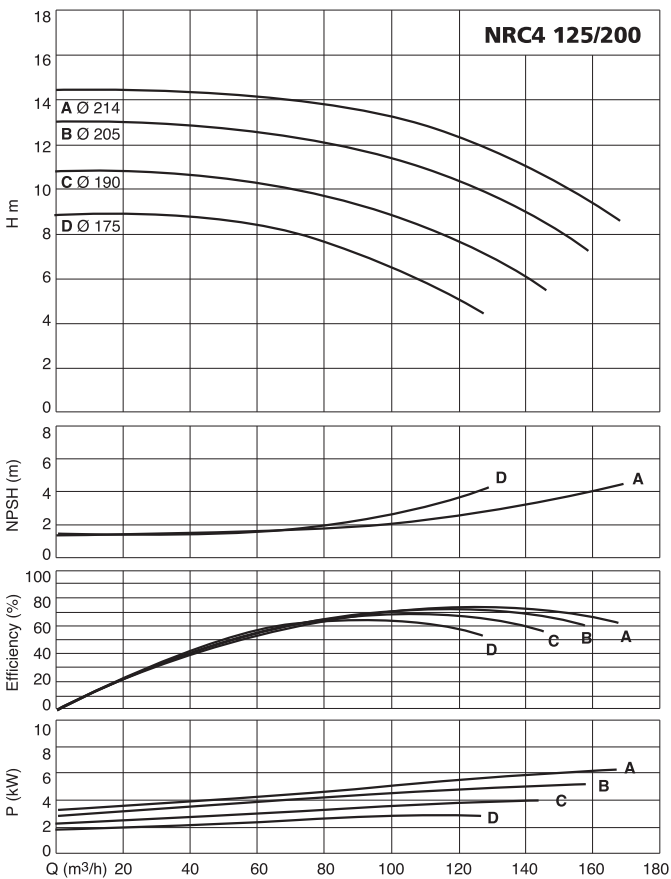
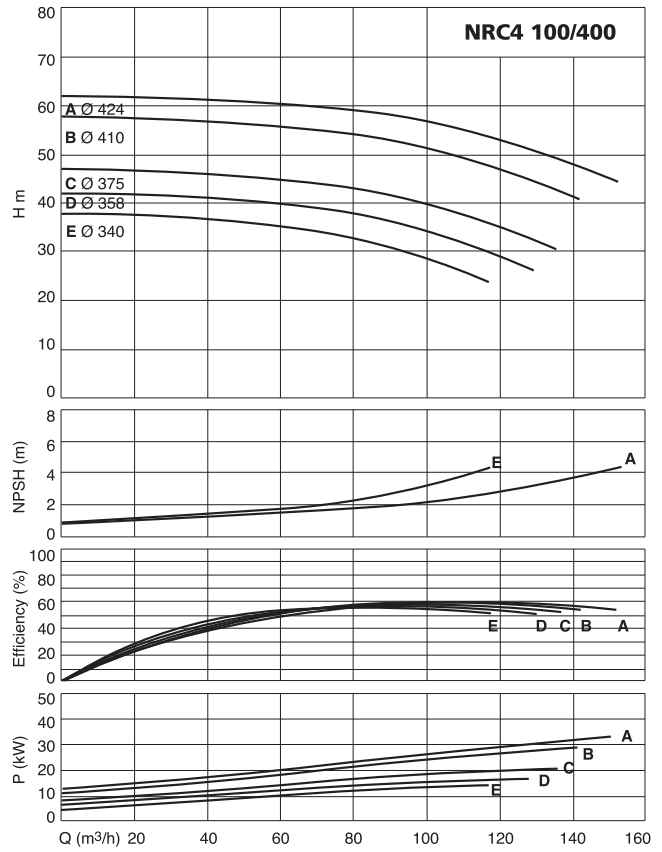
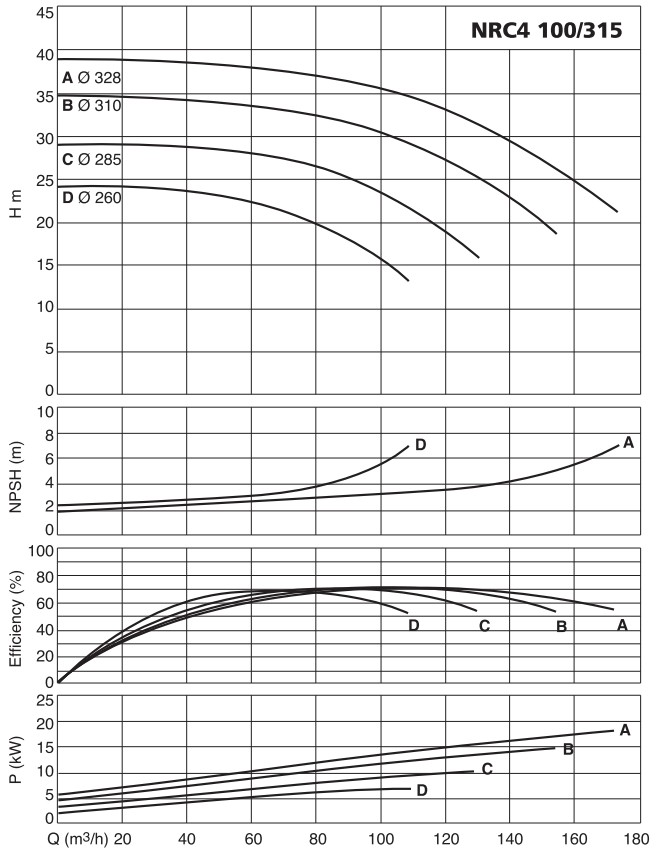
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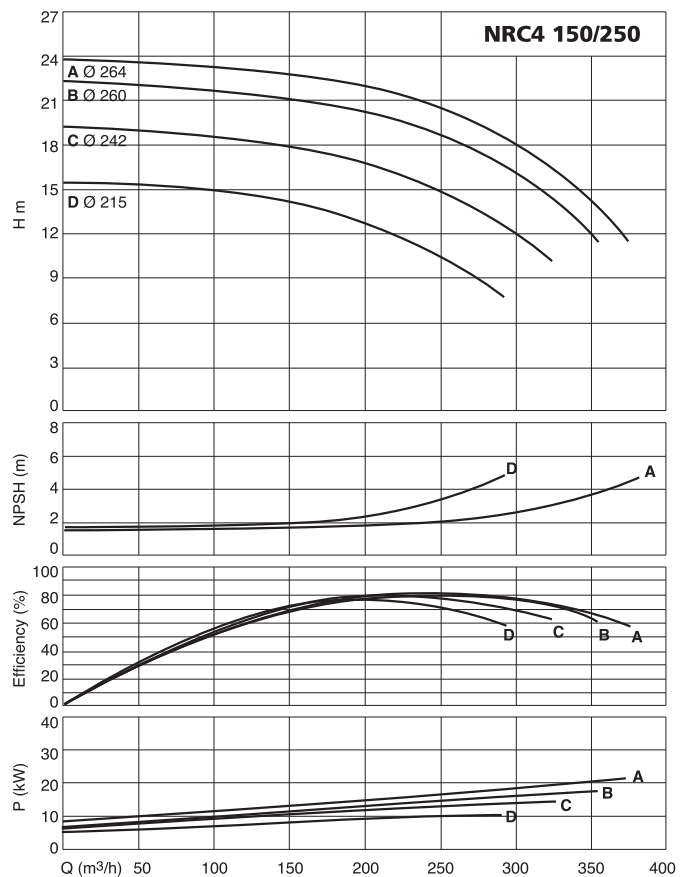
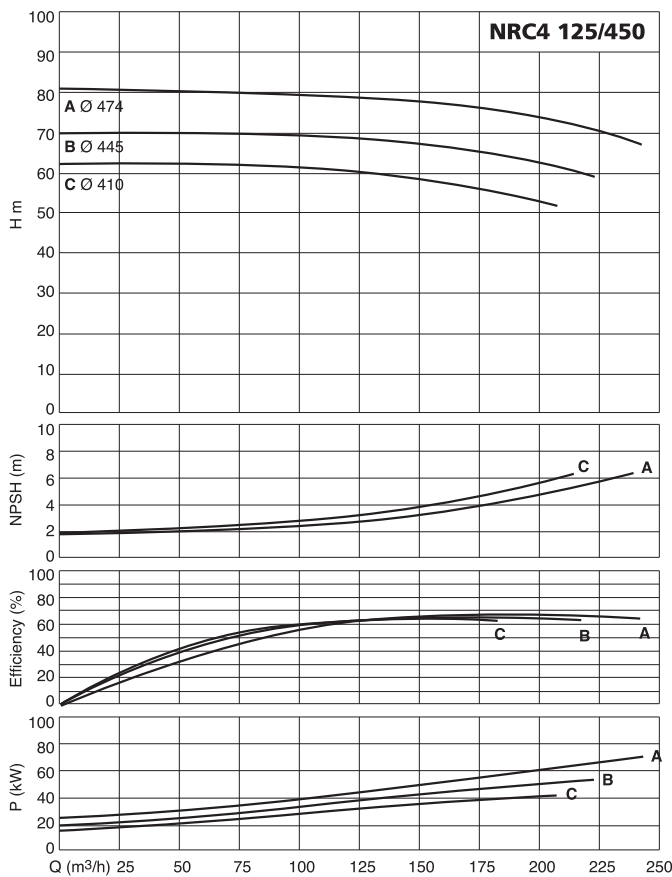
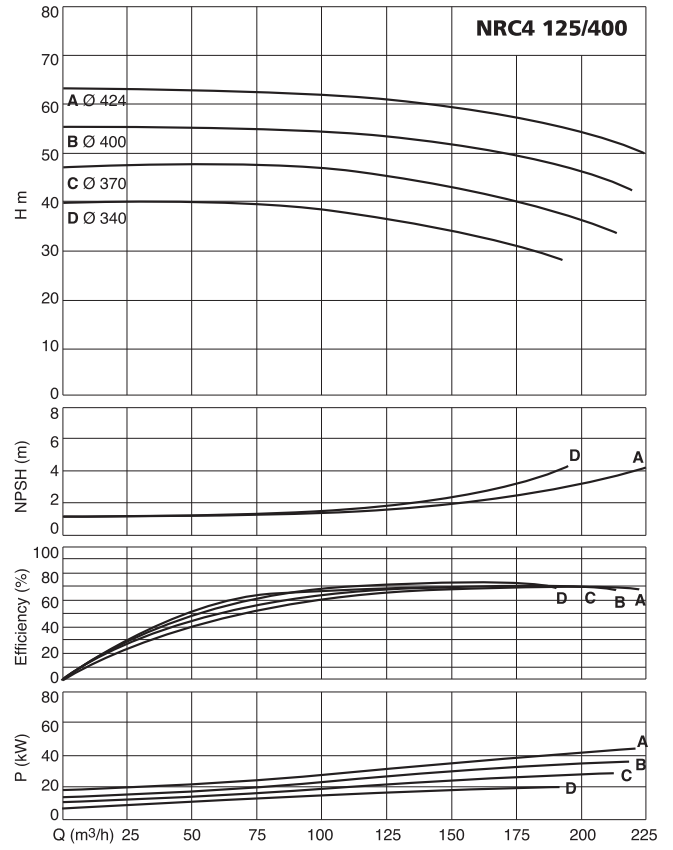
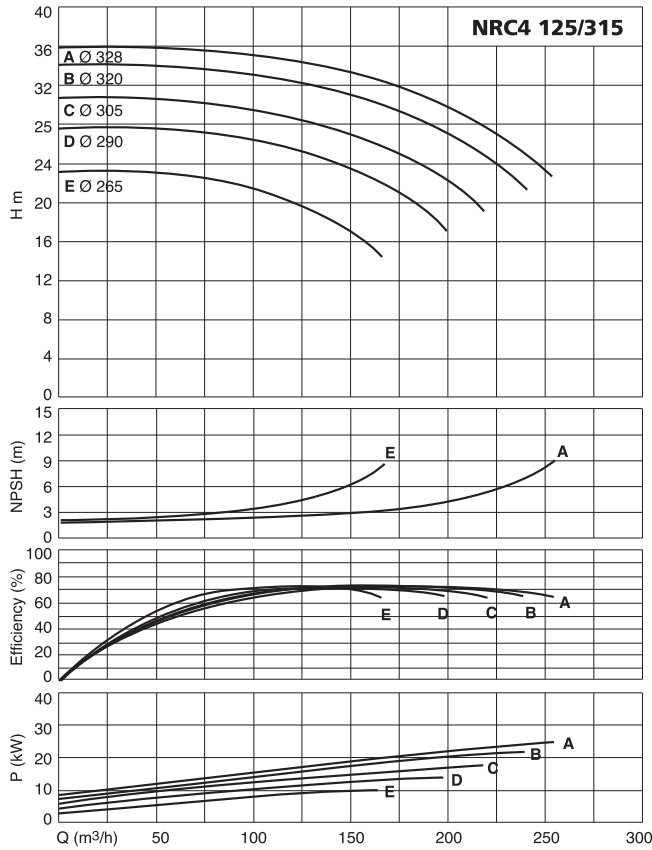


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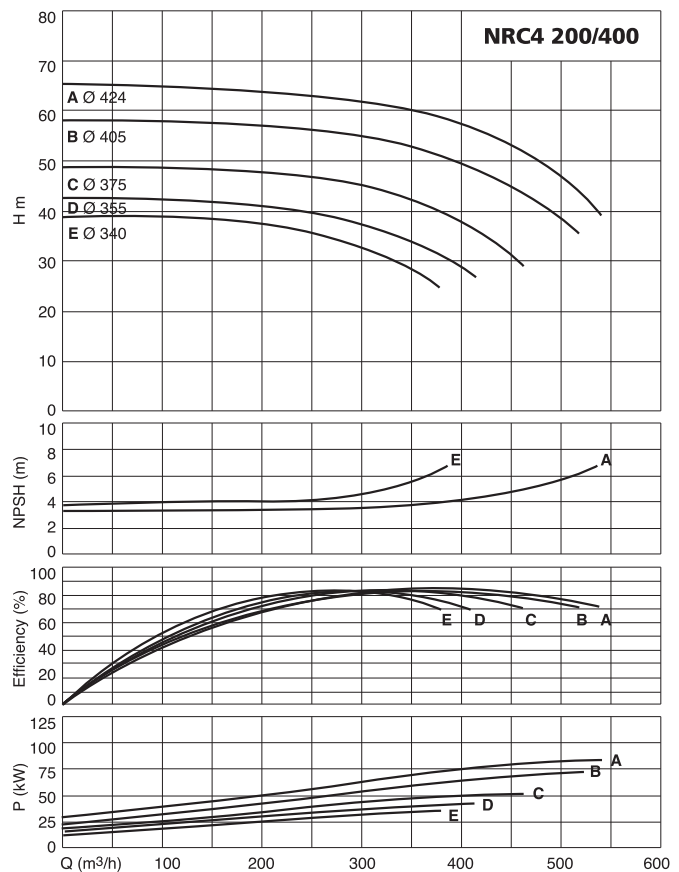
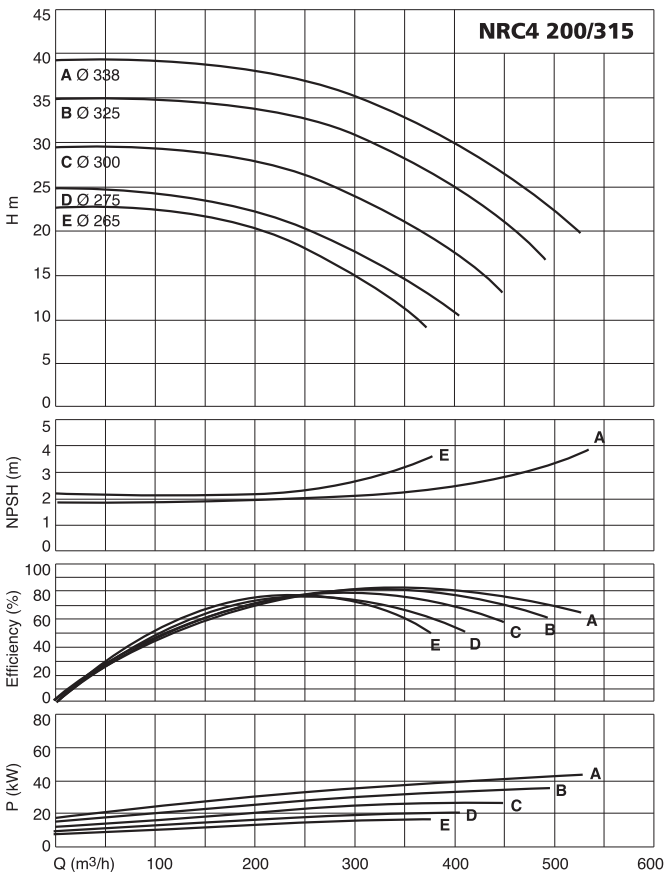
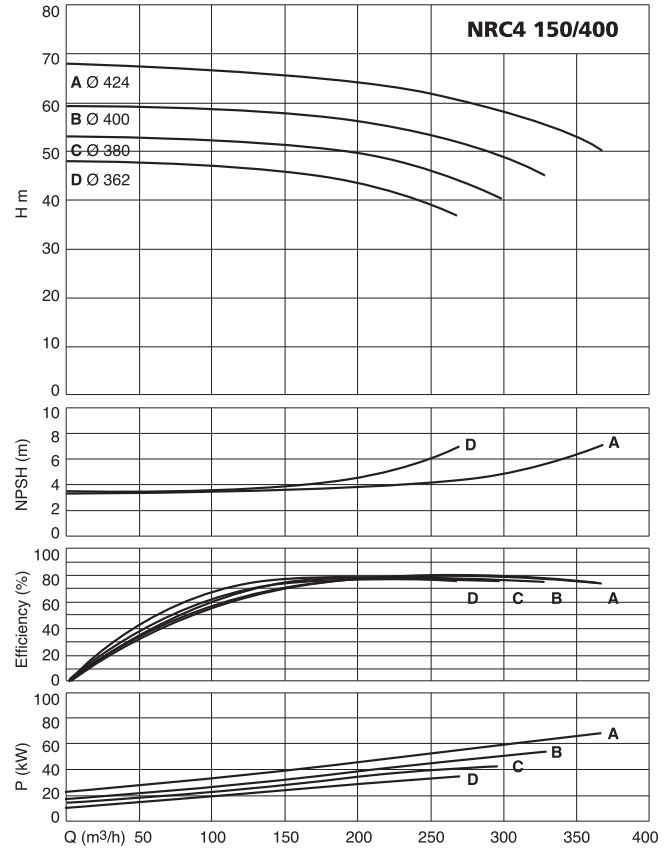
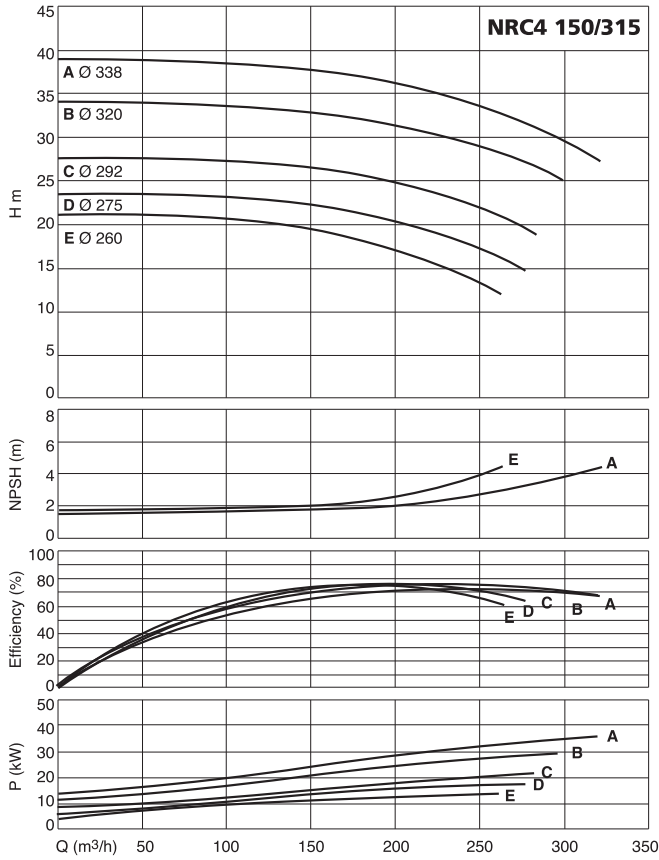




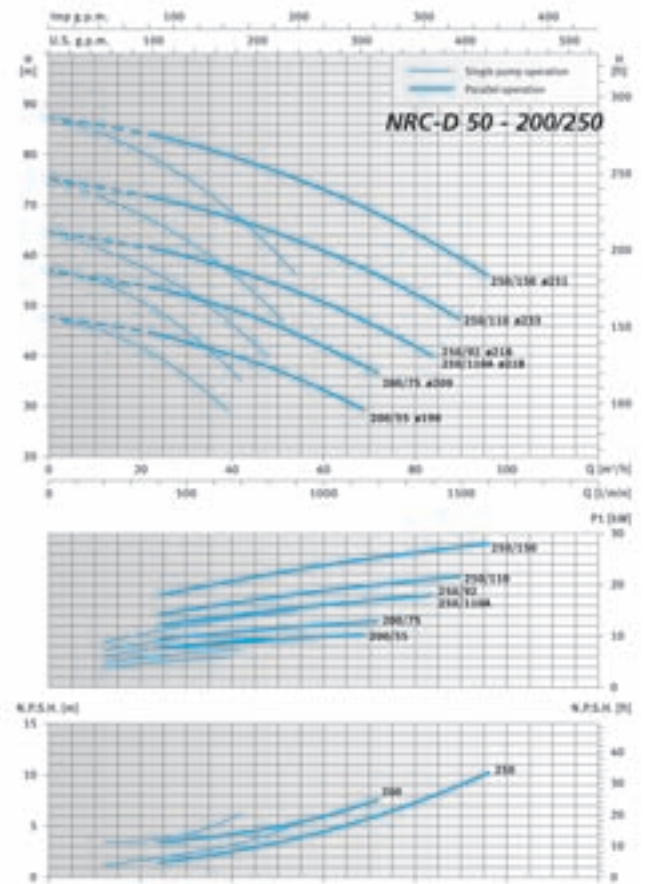
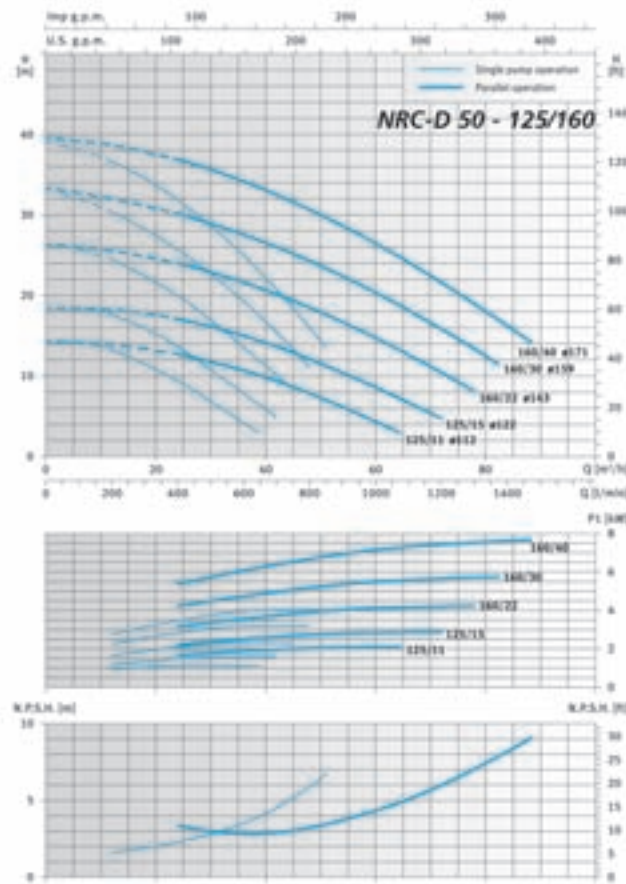
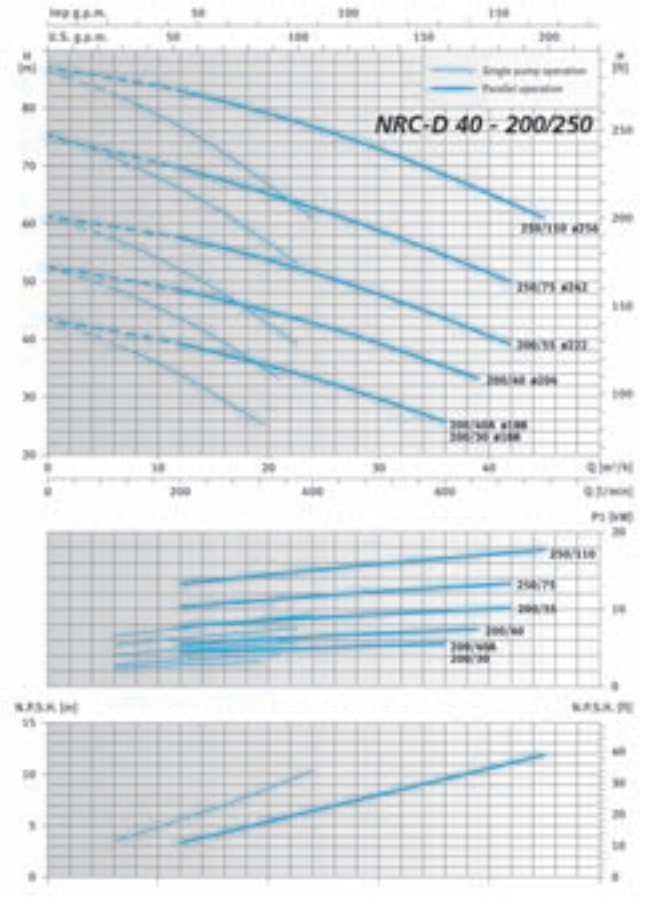
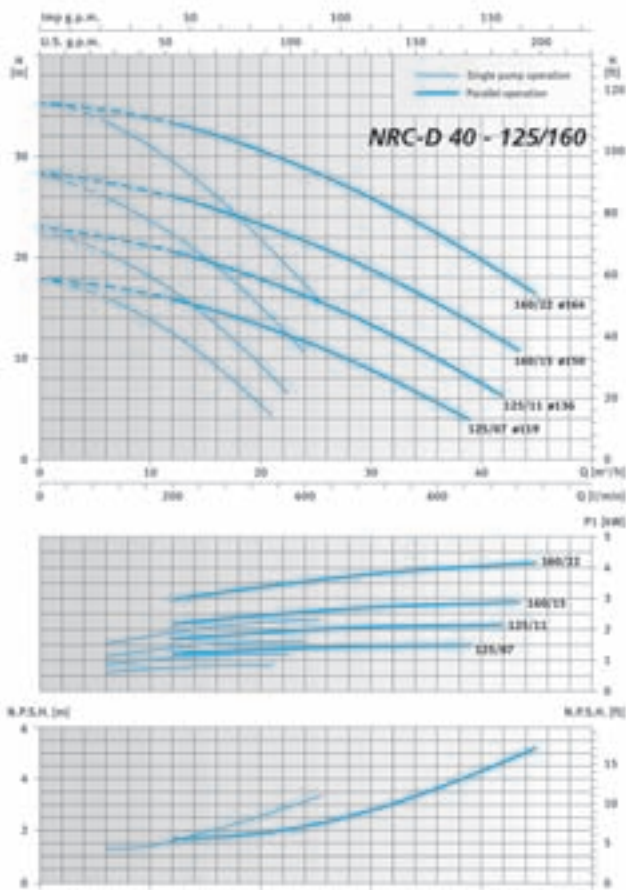
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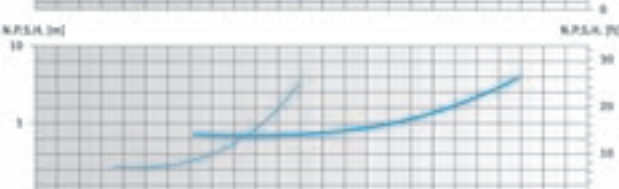
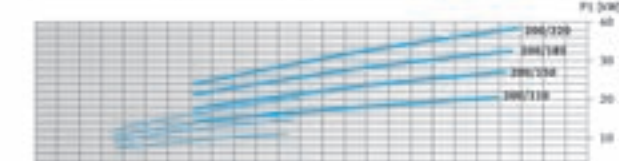
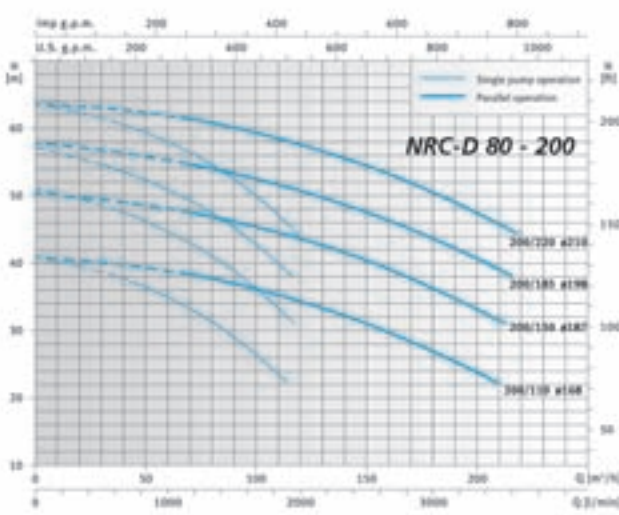
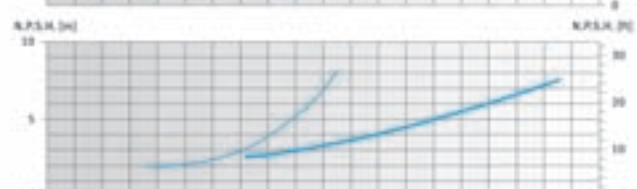
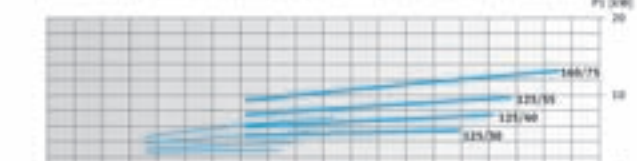
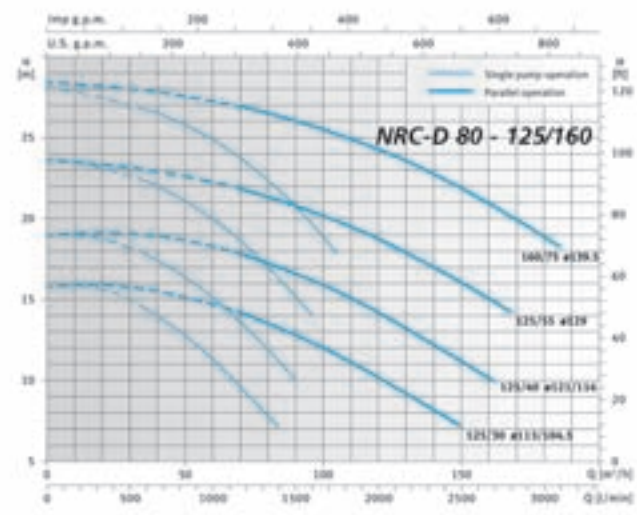
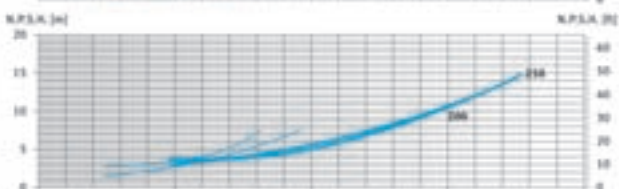
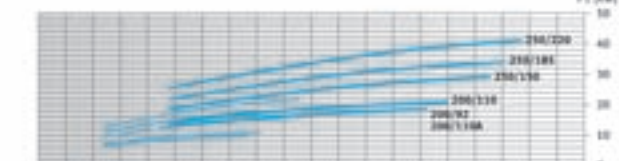
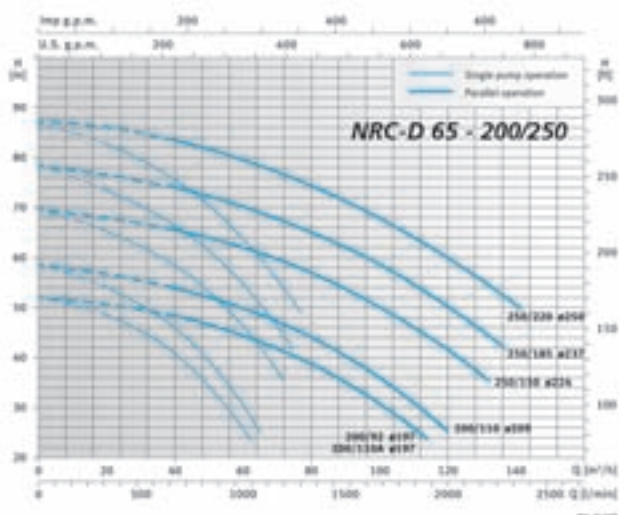
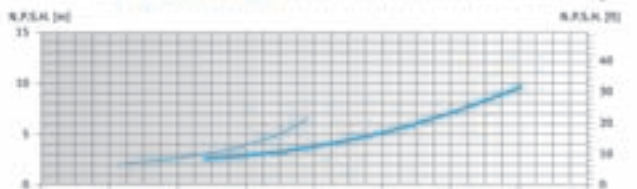
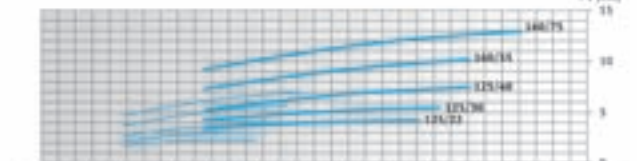
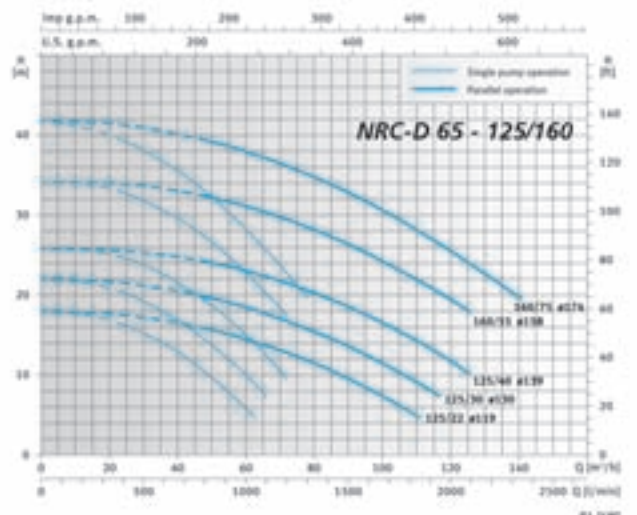
Characteristic Curves n = 1450 1/min



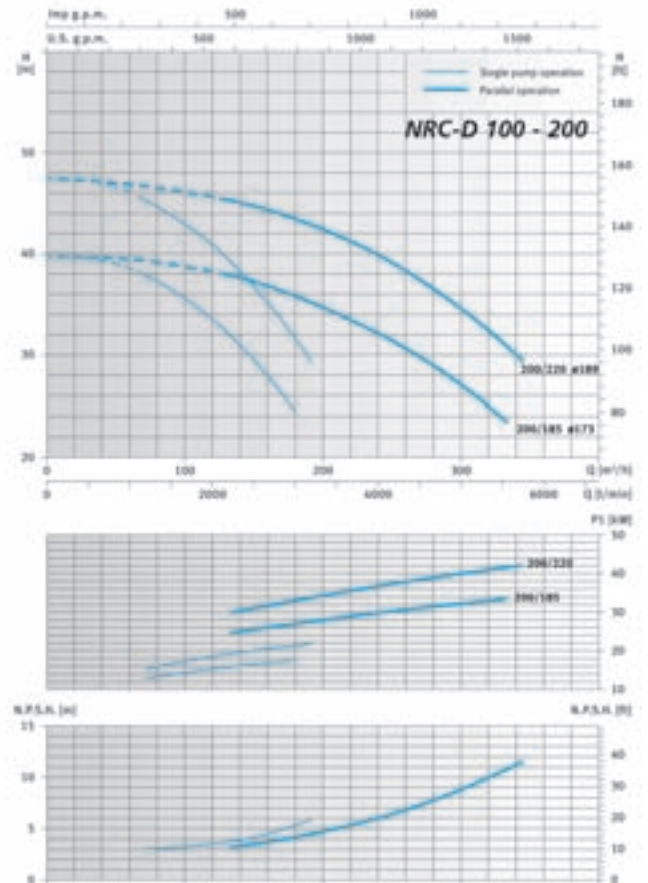
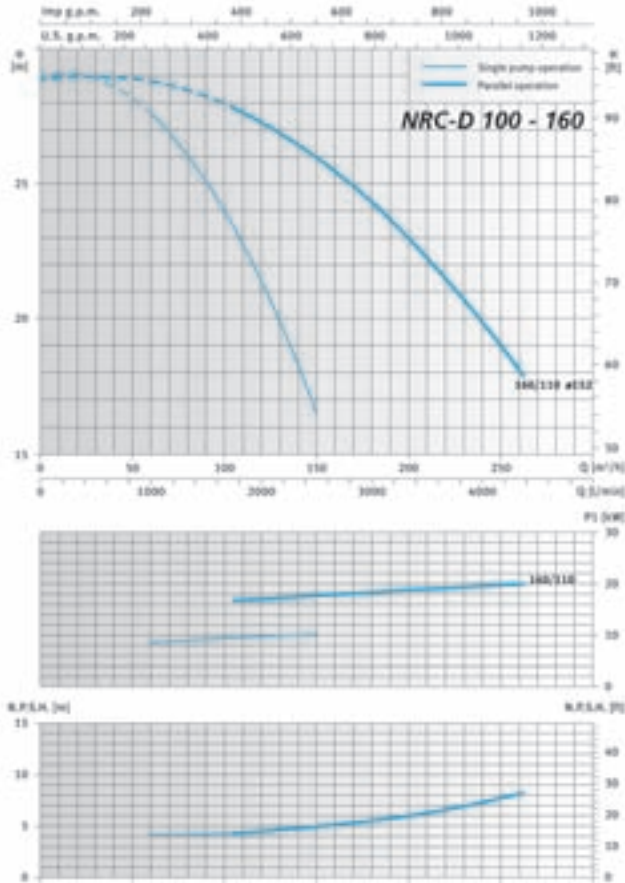
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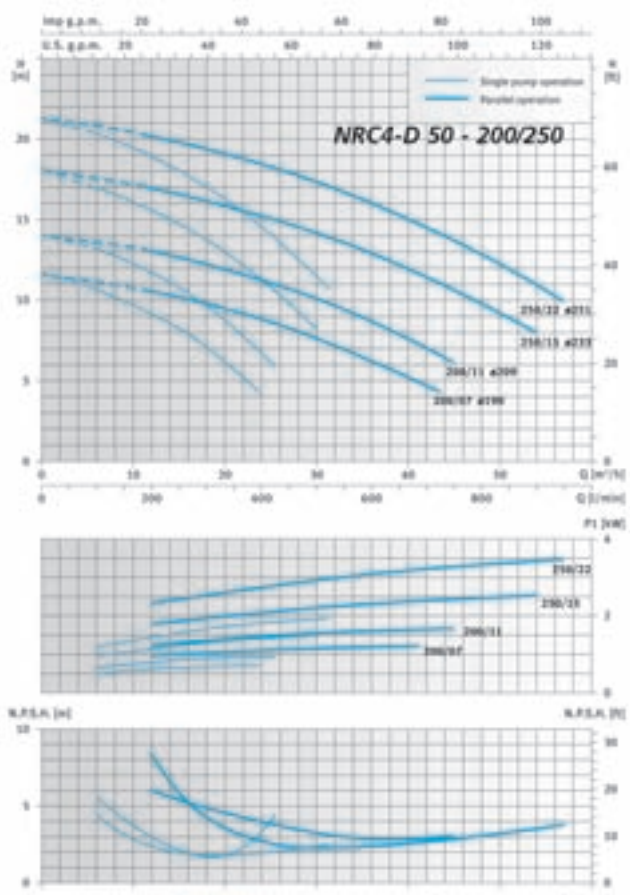
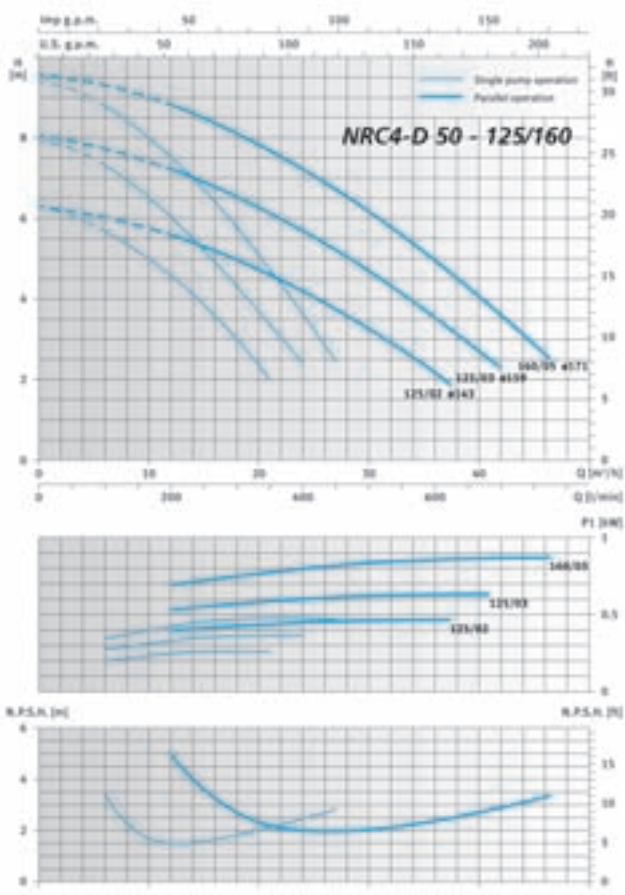
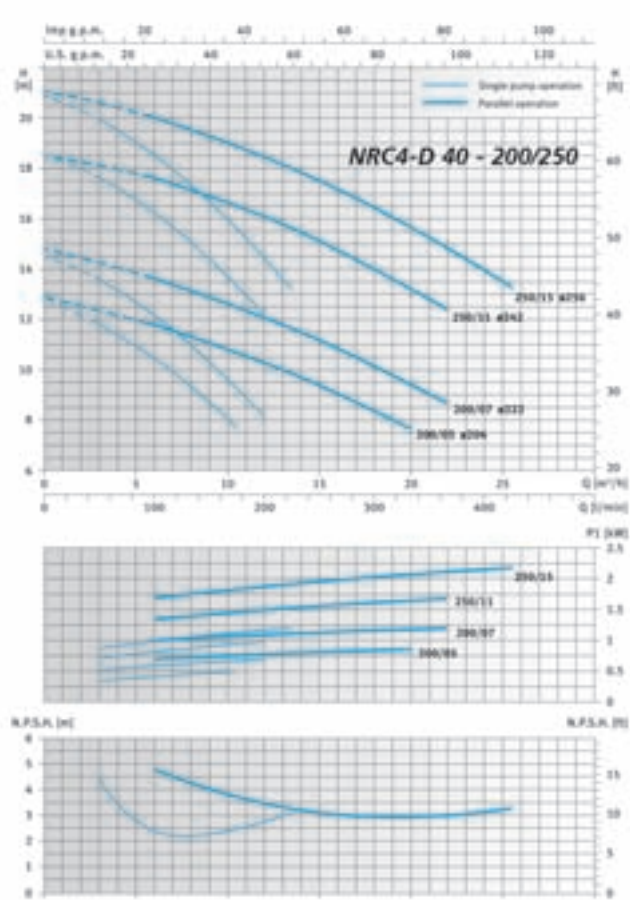
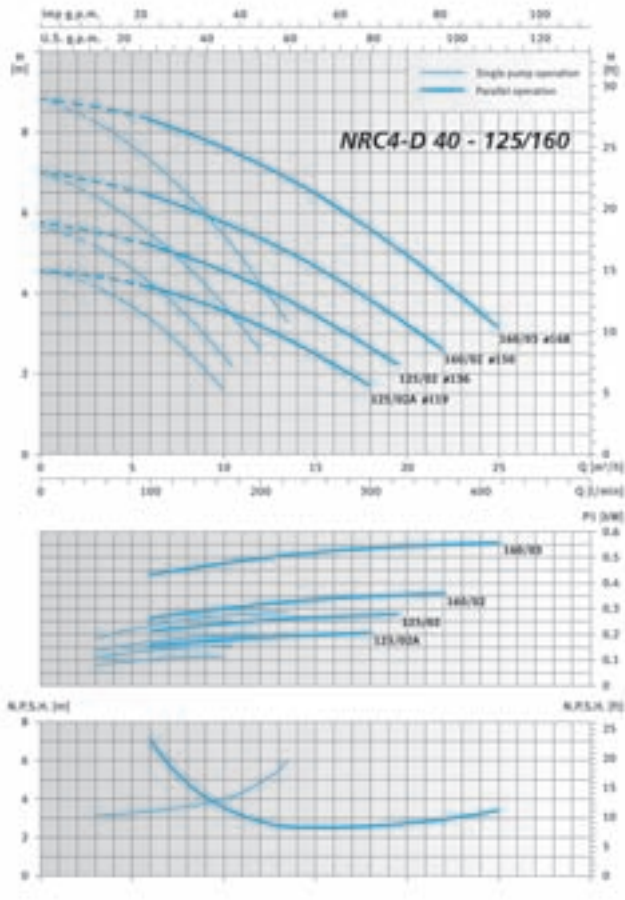
NRC-D characteristic curves n = 2900 1/min



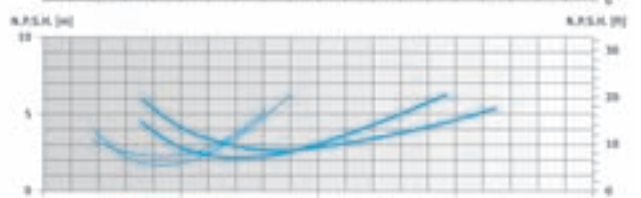
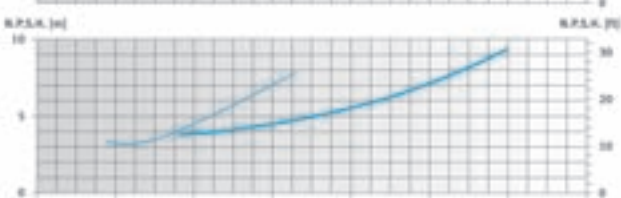
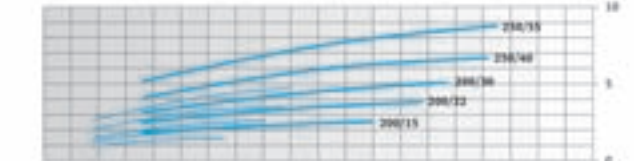
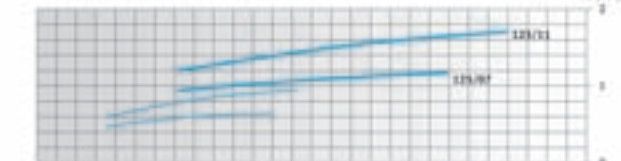
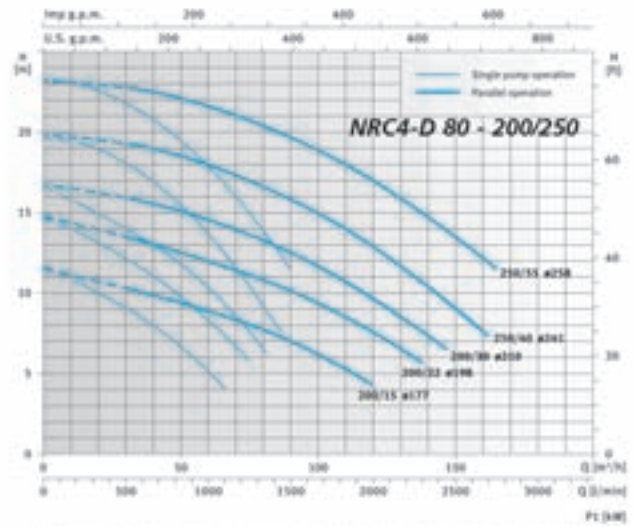
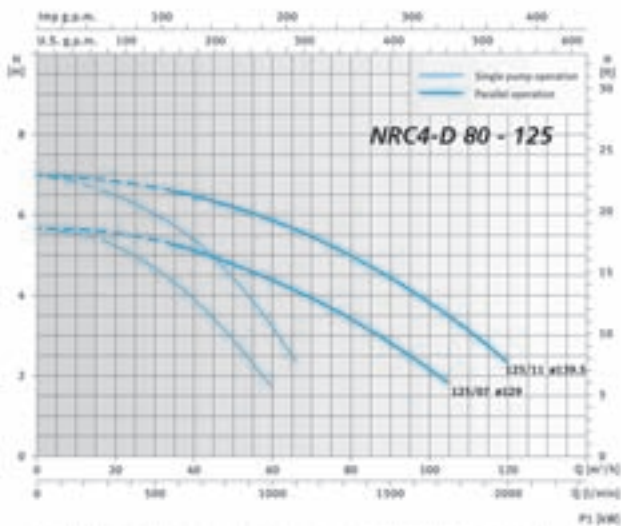
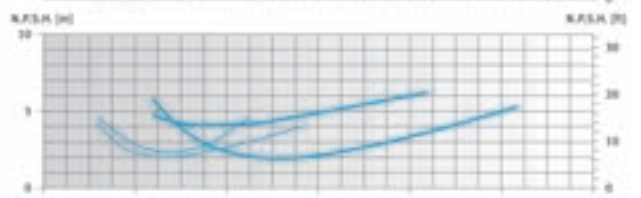
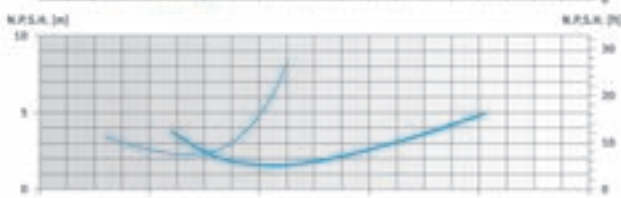
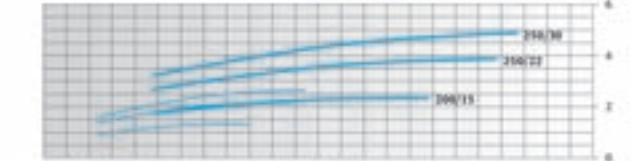
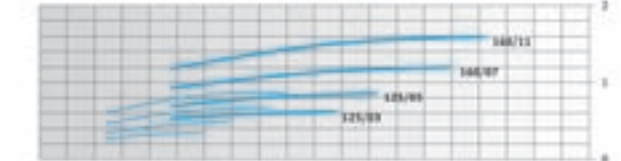
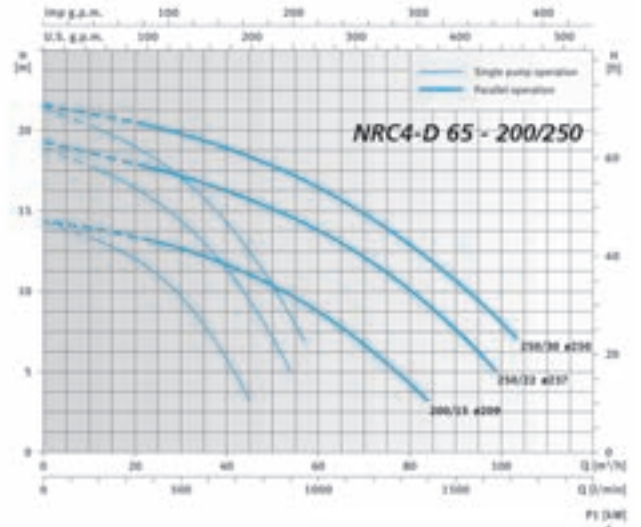
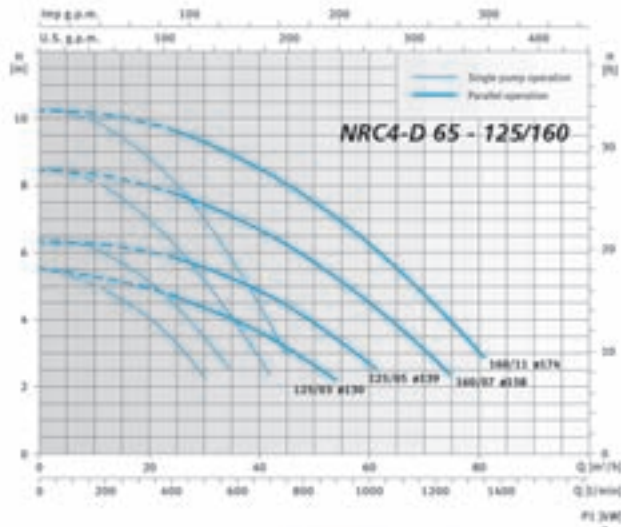
NRC-D characteristic curves n = 2900 1/min



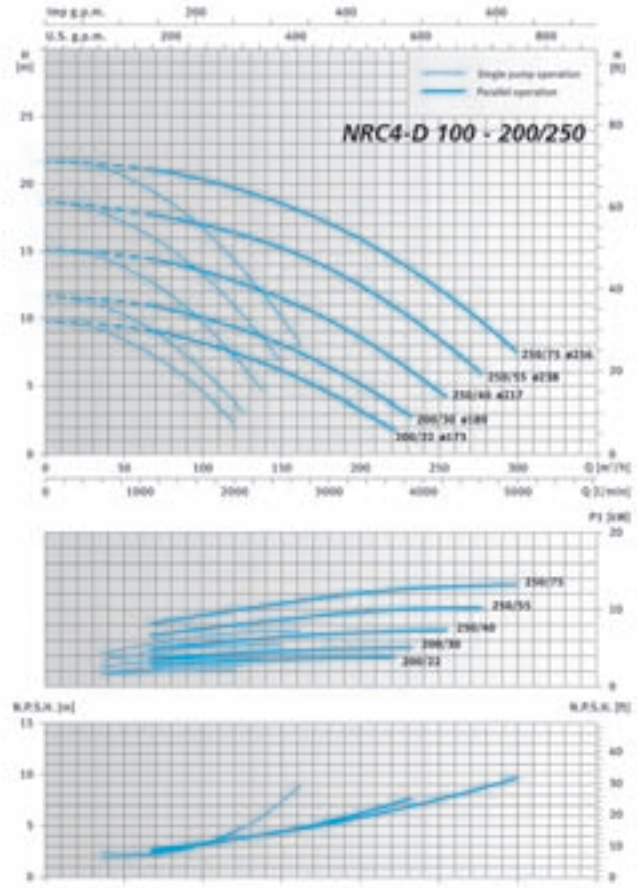
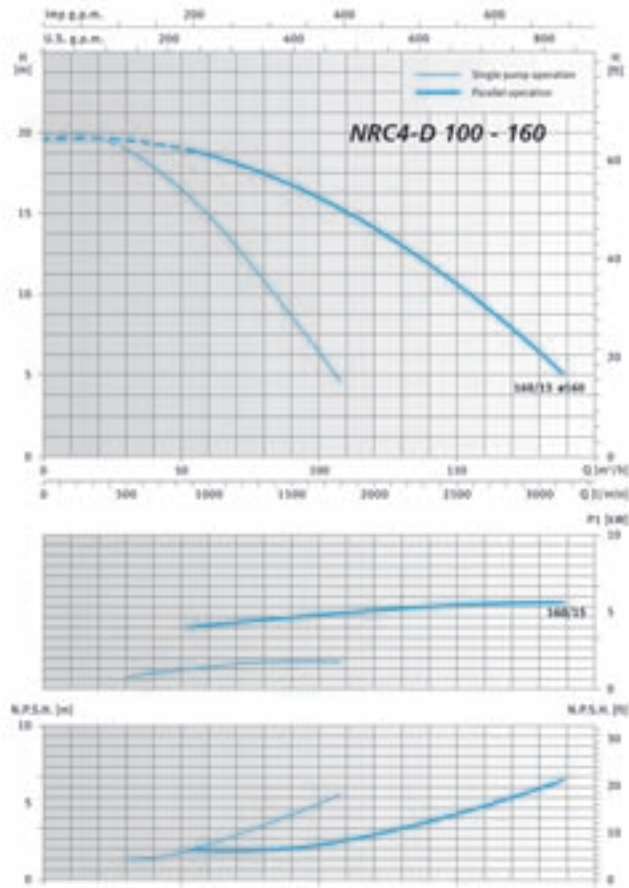
NRC4-D characteristic curves n = 1450 1/min



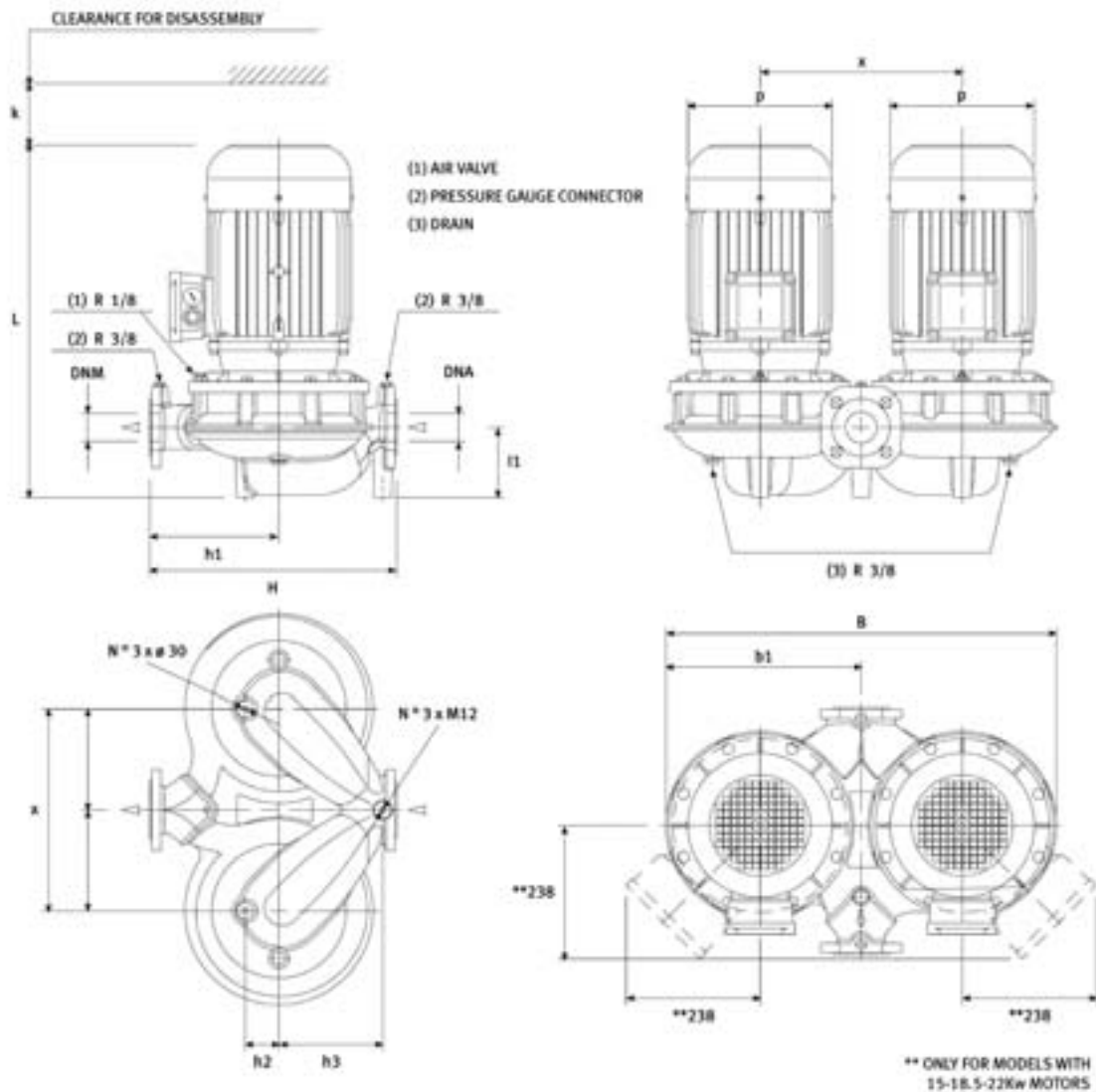
NRC4-D characteristic curves n = 1450 1/min



NRC4-D characteristic curves n = 1450 1/min



NRC-D dimensions

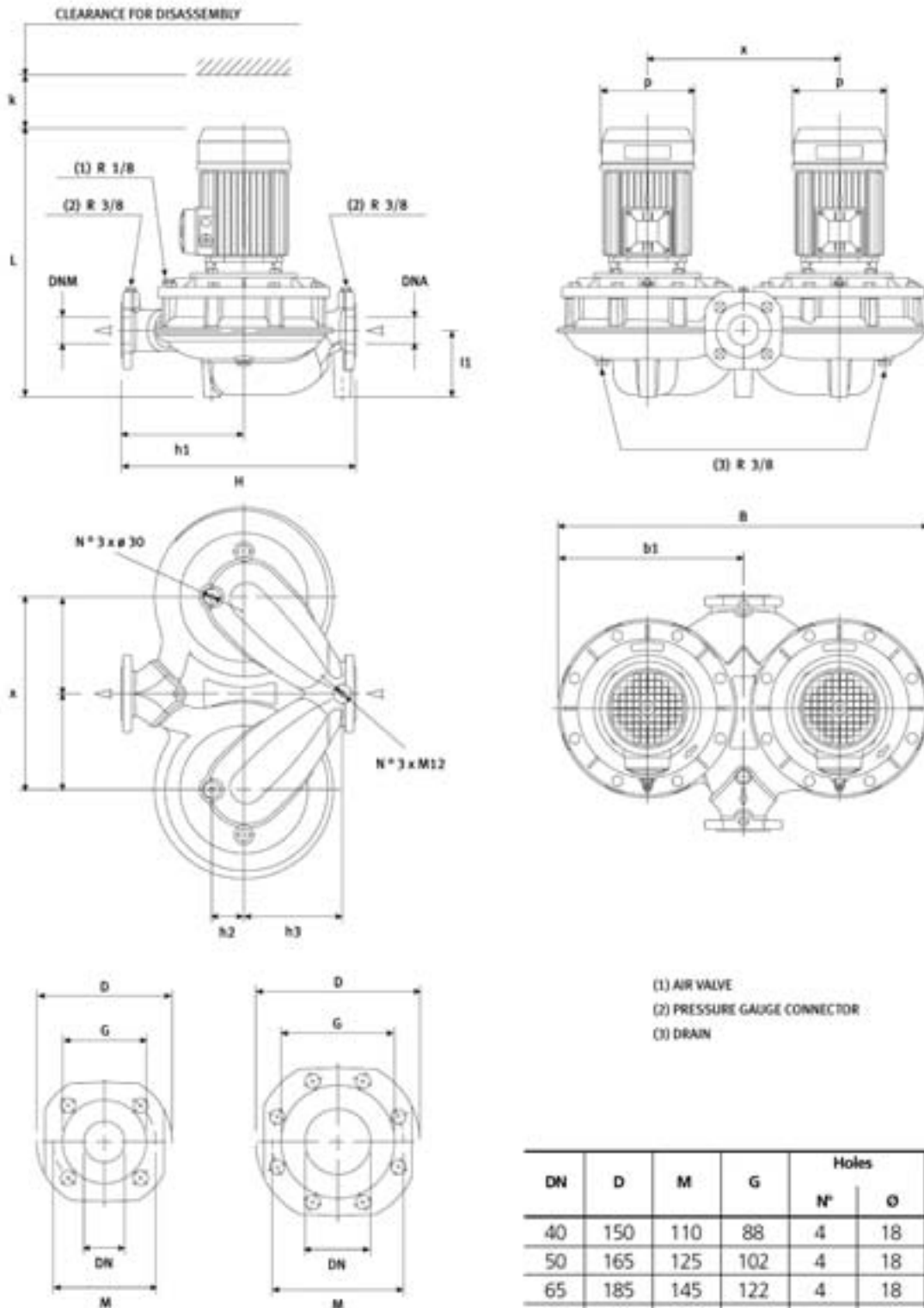


DN	D	M	G	Holes		Thickness MAX
				N°	Ø	
40	150	110	88	4	18	18
50	165	125	102	4	18	20
65	185	145	122	4	18	20
80	200	160	138	8	18	22
100	220	180	158	8	18	22

### NRC-D dimensions

Pump Type	Dimensions (mm)						B	H	L	K	Weight kg
	DNA	DNM	h1	h2	h3	h					
NRC-D 40-125/07	40	40	170	50	120	89	490	320	476	90	50.2
NRC-D 40-125/11	40	40	170	50	120	89	490	320	439	90	53.4
NRC-D 40-160/15	40	40	170	50	120	89	490	320	449	90	48
NRC-D 40-160/22	40	40	170	50	120	89	490	320	504	90	54
NRC-D 40-200/40	40	40	220	50	190	97	695	440	532	101	106
NRC-D 40-200/55	40	40	220	50	190	97	695	440	532	101	120
NRC-D 40-250/75	40	40	220	50	190	97	695	440	596	101	131
NRC-D 40-250/110	40	40	220	50	190	97	695	440	704	101	149
NRC-D 50-125/11	50	50	180	55	130	92	500	340	444	91	52.4
NRC-D 50-125/15	50	50	180	55	130	92	500	340	454	91	51
NRC-D 50-160/22	50	50	180	55	130	92	500	340	509	91	67
NRC-D 50-160/30	50	50	180	55	130	92	500	340	498	91	77.6
NRC-D 50-160/40	50	50	180	55	130	92	500	340	529	91	58.4
NRC-D 50-200/55	50	50	230	60	185	125	695	440	560	110	87
NRC-D 50-200/75	50	50	230	60	185	125	695	440	624	110	94
NRC-D 50-250/110	50	50	230	60	185	125	695	440	732	110	180
NRC-D 50-250/150	50	50	230	60	185	125	695	440	755	110	208
NRC-D 65-125/22	65	65	185	55	125	108	593	340	526	96	93
NRC-D 65-125/30	65	65	185	55	125	108	593	340	515	96	106
NRC-D 65-125/40	65	65	185	55	125	108	593	340	546	96	88.4
NRC-D 65-160/55	65	65	185	55	125	108	593	340	546	96	116
NRC-D 65-160/75	65	65	185	55	125	108	593	340	610	96	125
NRC-D 65-200/110	65	65	260	59	185	130	695	475	737	109	186
NRC-D 65-250/150	65	65	260	59	185	130	695	475	760	109	230
NRC-D 65-250/185	65	65	260	59	185	130	695	475	760	109	218
NRC-D 65-250/220	65	65	260	59	185	130	695	475	820	109	356
NRC-D 80-125/30	80	80	210	70	110	141	607	400	554	106	120
NRC-D 80-125/40	80	80	210	70	110	141	607	400	585	106	100
NRC-D 80-125/55	80	80	210	70	110	141	607	400	585	106	116
NRC-D 80-160/75	80	80	210	70	110	141	607	400	649	106	123
NRC-D 80-200/110	80	80	280	80	140	157	722	500	764	112	201
NRC-D 80-200/150	80	80	280	80	140	157	722	500	787	112	233
NRC-D 80-200/185	80	80	280	80	140	157	722	500	787	112	237
NRC-D 80-200/220	80	80	280	80	140	157	722	500	847	112	379
NRC-D 100-160/110	100	100	270	72	150	175	670	500	783	118	222
NRC-D 100-200/185	100	100	310	80	150	180	798	550	810	128	331
NRC-D 100-200/220	100	100	310	80	150	180	798	550	870	128	471

NRC4-D dimensions

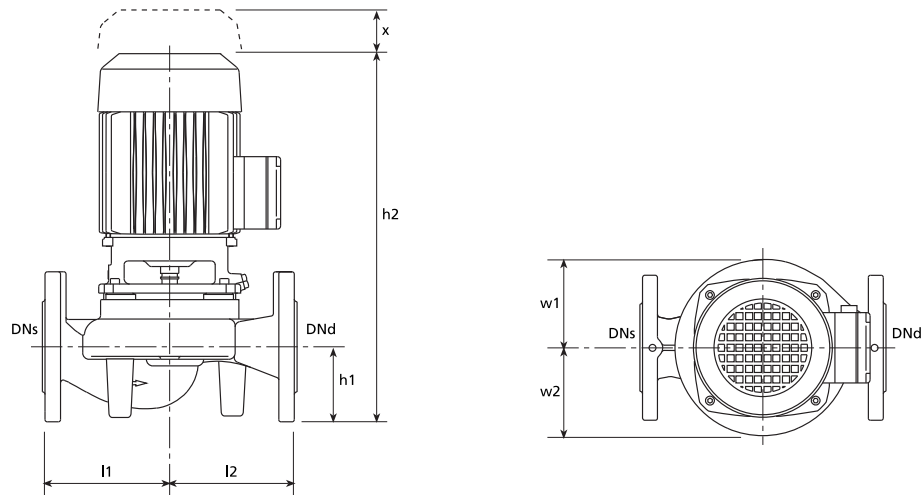


DN	D	M	G	Holes		Thickness MAX
				N°	Ø	
40	150	110	88	4	18	18
50	165	125	102	4	18	20
65	185	145	122	4	18	20
80	200	160	138	8	18	22
100	220	180	158	8	18	22

### NRC4-D dimensions

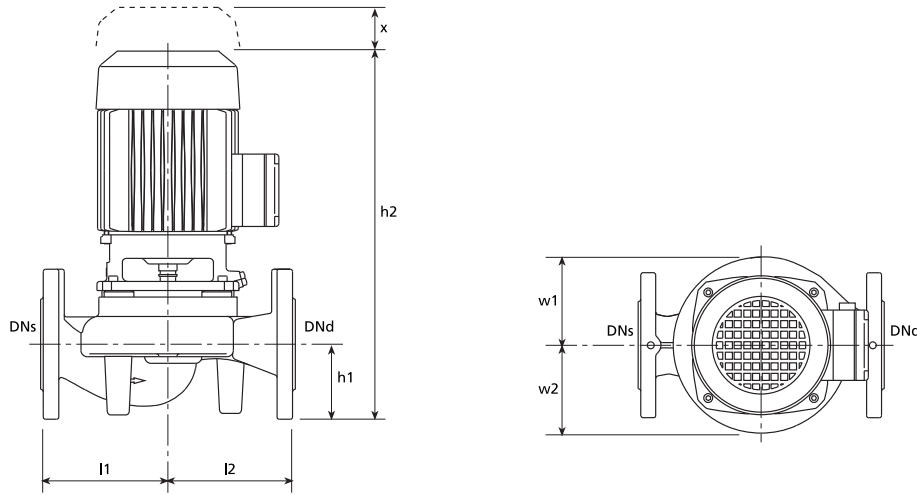
Pump Type	Dimensions (mm)						B	H	L	K	Weight kg
	DNA	DNM	h1	h2	h3	It					
NRC4-D 40-160/03	40	40	170	50	120	89	490	320	435	90	50
NRC4-D 40-200/05	40	40	220	50	190	97	695	440	453	101	83
NRC4-D 40-200/07	40	40	220	50	190	97	695	440	484	101	83
NRC4-D 40-250/11	40	40	220	50	190	97	695	440	465	101	111
NRC4-D 40-250/15	40	40	220	50	190	97	695	440	475	101	113
NRC4-D 50-125/03	50	50	180	55	130	92	500	340	440	91	51
NRC4-D 50-160/05	50	50	180	55	130	92	500	340	450	91	53
NRC4-D 50-200/07	50	50	230	60	185	125	695	440	512	110	102
NRC4-D 50-200/11	50	50	230	60	185	125	695	440	493	110	110
NRC4-D 50-250/15	50	50	230	60	185	125	695	440	503	110	116
NRC4-D 50-250/22	50	50	230	60	185	125	695	440	584	110	122
NRC4-D 65-125/03	65	65	185	55	125	108	593	340	457	96	75
NRC4-D 65-125/05	65	65	185	55	125	108	593	340	467	96	83
NRC4-D 65-160/07	65	65	185	55	125	108	593	340	498	96	91
NRC4-D 65-160/11	65	65	185	55	125	108	593	340	479	96	95
NRC4-D 65-200/15	65	65	260	59	185	130	695	475	508	109	118
NRC4-D 65-250/22	65	65	260	59	185	130	695	475	589	109	134
NRC4-D 65-250/30	65	65	260	59	185	130	695	475	560	109	138
NRC4-D 80-125/07	80	80	210	70	110	141	607	400	537	106	98
NRC4-D 80-125/11	80	80	210	70	110	141	607	400	518	106	104
NRC4-D 80-200/15	80	80	280	80	140	157	722	500	535	112	141
NRC4-D 80-200/22	80	80	280	80	140	157	722	500	616	112	147
NRC4-D 80-200/30	80	80	280	80	140	157	722	500	587	112	155
NRC4-D 80-250/40	80	80	280	80	140	157	722	500	615	112	185
NRC4-D 80-250/55	80	80	280	80	140	157	722	500	605	112	203
NRC4-D 100-160/15	100	100	270	72	150	175	670	500	554	118	134
NRC4-D 100-200/22	100	100	310	80	150	180	798	550	639	128	183
NRC4-D 100-200/30	100	100	310	80	150	180	798	550	610	128	187
NRC4-D 100-250/40	100	100	310	80	150	180	798	550	638	128	213
NRC4-D 100-250/55	100	100	310	80	150	180	798	550	628	128	227
NRC4-D 100-250/75	100	100	310	80	150	180	798	550	692	128	259

Dimensions and weights



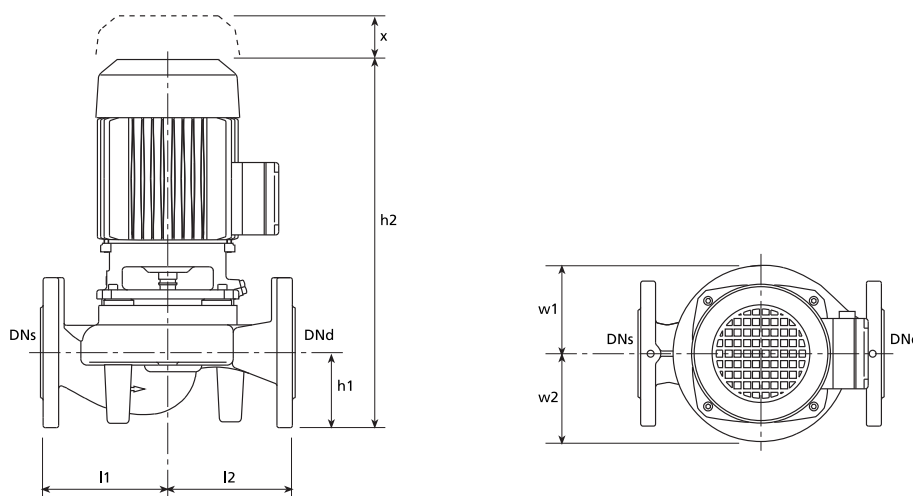
Pump Type	Motor Power	DNs	DNd	l1	l2	h1	h2	x	w1	w2	weight
NRC4 40-125	0.25 kW	40	40	160	140	75	463	100	100	108	44
NRC4 40-125	0.37 kW	40	40	160	140	75	463	100	100	108	44
NRC4 40-160	0.37 kW	40	40	180	160	75	463	100	114	122	49
NRC4 40-160	0.55 kW	40	40	180	160	75	484	100	114	122	53
NRC4 40-160	0.75 kW	40	40	180	160	75	484	100	114	122	55
NRC4 40-200	0.55 kW	40	40	200	180	75	484	100	135	140	57
NRC4 40-200	0.75 kW	40	40	200	180	75	484	100	135	140	59
NRC4 40-200	1.1 kW	40	40	200	180	75	507	100	135	140	62
NRC4 50-125	0.25 kW	50	50	160	140	90	478	100	110	212	45
NRC4 50-125	0.37 kW	50	50	160	140	90	478	100	110	212	45
NRC4 50-125	0.55 kW	50	50	160	140	90	499	100	110	212	48
NRC4 50-160	0.37 kW	50	50	180	160	90	478	100	114	124	49
NRC4 50-160	0.55 kW	50	50	180	160	90	499	100	114	124	53
NRC4 50-160	0.75 kW	50	50	180	160	90	499	100	114	124	54
NRC4 50-160	1.1 kW	50	50	180	160	90	522	100	114	124	58
NRC4 50-200	0.75 kW	50	50	225	200	90	499	100	135	145	62
NRC4 50-200	1.1 kW	50	50	225	200	90	522	100	135	145	64
NRC4 50-200	1.5 kW	50	50	225	200	90	522	100	135	145	67
NRC4 50-250	1.5 kW	50	50	250	225	90	522	100	167	175	82
NRC4 50-250	2.2 kW	50	50	250	225	90	547	100	167	175	89
NRC4 50-250	3 kW	50	50	250	225	90	547	100	167	175	94
NRC4 65-125	0.37 kW	65	65	180	160	110	498	100	102	120	51
NRC4 65-125	0.55 kW	65	65	180	160	110	519	100	102	120	56
NRC4 65-125	0.75 kW	65	65	180	160	110	519	100	102	120	58
NRC4 65-160	0.55 kW	65	65	200	180	110	519	100	116	136	60
NRC4 65-160	0.75 kW	65	65	200	180	110	519	100	116	136	62
NRC4 65-160	1.1 kW	65	65	200	180	110	542	100	116	136	64
NRC4 65-200	1.1 kW	65	65	250	225	110	542	100	153	162	78
NRC4 65-200	1.5 kW	65	65	250	225	110	542	100	153	162	84
NRC4 65-200	2.2 kW	65	65	250	225	110	567	100	153	162	89
NRC4 65-250	1.5 kW	65	65	250	225	110	542	125	166	177	92
NRC4 65-250	2.2 kW	65	65	250	225	110	567	125	166	177	98
NRC4 65-250	3 kW	65	65	250	225	110	567	125	166	177	101
NRC4 65-250	4 kW	65	65	250	225	110	611	125	166	177	107
NRC4 65-315	3 kW	65	65	280	280	130	609	125	202	216	135
NRC4 65-315	4 kW	65	65	280	280	130	653	125	202	216	140
NRC4 65-315	5.5 kW	65	65	280	280	130	728	125	202	216	154
NRC4 65-315	7.5 kW	65	65	280	280	130	728	125	202	216	175
NRC4 65-315	11 kW	65	65	280	280	130	852	125	202	216	200

Dimensions and weights



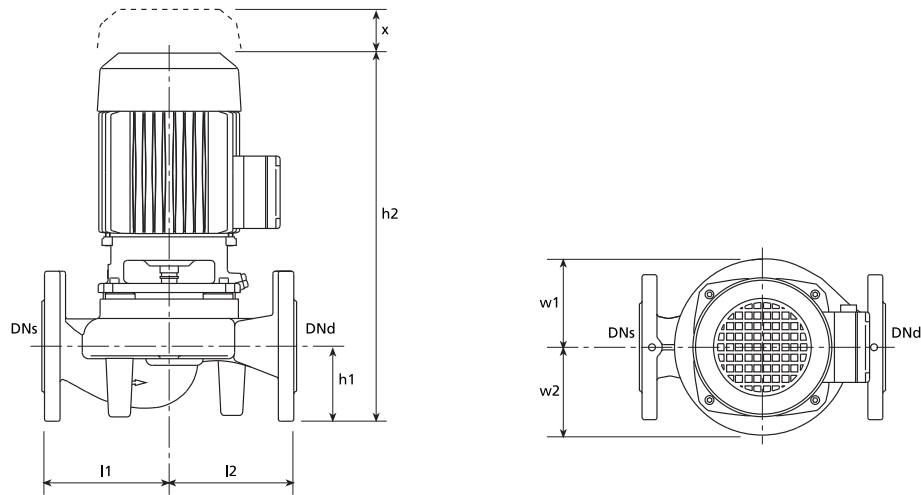
Pump Type	Motor Power	DNs	DNd	l1	l2	h1	h2	x	w1	w2	weight
NRC4 80-125	0.37 kW	80	80	200	180	130	518	125	114	138	60
NRC4 80-125	0.55 kW	80	80	200	180	130	539	125	114	138	63
NRC4 80-125	0.75 kW	80	80	200	180	130	539	125	114	138	65
NRC4 80-125	1.1 kW	80	80	200	180	130	562	125	114	138	68
NRC4 80-160	0.75 kW	80	80	225	200	130	539	125	128	152	70
NRC4 80-160	1.1 kW	80	80	225	200	130	562	125	128	152	72
NRC4 80-160	1.5 kW	80	80	225	200	130	562	125	128	152	75
NRC4 80-160	2.2 kW	80	80	225	200	130	587	125	128	152	82
NRC4 80-200	1.5 kW	80	80	250	225	130	562	125	145	170	83
NRC4 80-200	2.2 kW	80	80	250	225	130	587	125	145	170	95
NRC4 80-200	3 kW	80	80	250	225	130	587	125	145	170	98
NRC4 80-200	4 kW	80	80	250	225	130	631	125	145	170	105
NRC4 80-250	2.2 kW	80	80	280	280	140	620	125	182	197	119
NRC4 80-250	3 kW	80	80	280	280	140	620	125	182	197	119
NRC4 80-250	4 kW	80	80	280	280	140	664	125	182	197	129
NRC4 80-250	5.5 kW	80	80	280	280	140	739	125	182	197	141
NRC4 80-315	5.5 kW	80	80	315	280	150	749	140	205	220	170
NRC4 80-315	7.5 kW	80	80	315	280	150	749	140	205	220	190
NRC4 80-315	11 kW	80	80	315	280	150	873	140	205	220	216
NRC4 80-315	15 kW	80	80	315	280	150	873	140	205	220	230
NRC4 100-160	1.5 kW	100	100	250	225	150	582	140	130	162	86
NRC4 100-160	2.2 kW	100	100	250	225	150	607	140	130	162	93
NRC4 100-160	3 kW	100	100	250	225	150	607	140	130	162	97
NRC4 100-200	2.2 kW	100	100	275	250	170	650	140	170	192	93
NRC4 100-200	3 kW	100	100	275	250	170	650	140	170	192	95
NRC4 100-200	4 kW	100	100	275	250	170	694	140	170	192	121
NRC4 100-200	5.5 kW	100	100	275	250	170	769	140	170	192	135
NRC4 100-250	4 kW	100	100	300	280	170	694	140	178	206	142
NRC4 100-250	5.5 kW	100	100	300	280	170	771	140	178	206	154
NRC4 100-250	7.5 kW	100	100	300	280	170	771	140	178	206	175
NRC4 100-250	11 kW	100	100	300	280	170	894	140	178	206	200
NRC4 100-315	7.5 kW	100	100	355	315	160	761	140	215	240	214
NRC4 100-315	11 kW	100	100	355	315	160	886	140	215	240	238
NRC4 100-315	15 kW	100	100	355	315	160	886	140	215	240	251
NRC4 100-315	18.5 kW	100	100	355	315	160	929	140	215	240	283

Dimensions and weights



Pump Type	Motor Power	DNs	DNd	l1	l2	h1	h2	x	w1	w2	weight
NRC4 100-400	15 kW	100	100	400	400	150	881	160	270	288	350
NRC4 100-400	18,5 kW	100	100	400	400	150	924	160	270	288	380
NRC4 100-400	22 kW	100	100	400	400	150	924	160	270	288	388
NRC4 100-400	30 kW	100	100	400	400	150	960	160	270	288	439
NRC4 100-400	37 kW	100	100	400	400	150	1075	160	270	288	510
NRC4 125-200	3 kW	125	125	280	280	180	685	140	182	208	151
NRC4 125-200	4 kW	125	125	280	280	180	729	140	182	208	158
NRC4 125-200	5,5 kW	125	125	280	280	180	804	140	182	208	170
NRC4 125-200	7,5 kW	125	125	280	280	180	804	140	182	208	191
NRC4 125-250	5,5 kW	125	125	315	315	180	804	140	195	218	178
NRC4 125-250	7,5 kW	125	125	315	315	180	804	140	195	218	200
NRC4 125-250	11 kW	125	125	315	315	180	928	140	195	218	223
NRC4 125-250	15 kW	125	125	315	315	180	928	140	195	218	239
NRC4 125-315	11 kW	125	125	355	355	180	916	140	230	258	262
NRC4 125-315	15 kW	125	125	355	355	180	916	140	230	258	275
NRC4 125-315	18,5 kW	125	125	355	355	180	959	140	230	258	306
NRC4 125-315	22 kW	125	125	355	355	180	959	140	230	258	315
NRC4 125-400	22 kW	125	125	400	400	100	899	160	270	292	400
NRC4 125-400	30 kW	125	125	400	400	100	935	160	270	292	450
NRC4 125-400	37 kW	125	125	400	400	100	1050	160	270	292	520
NRC4 125-400	45 kW	125	125	400	400	100	1050	160	270	292	560
NRC4 125-450	45 kW	125	125	425	425	160	1110	160	297	316	585
NRC4 125-450	55 kW	125	125	425	425	160	1129	160	297	316	605
NRC4 150-250	11 kW	150	150	355	355	180	960	140	220	254	275
NRC4 150-250	15 kW	150	150	355	355	180	960	140	220	254	290
NRC4 150-250	18,5 kW	150	150	355	355	180	1003	140	220	254	318
NRC4 150-250	22 kW	150	150	355	355	180	1003	140	220	254	327
NRC4 150-315	15 kW	150	150	355	355	180	971	160	258	290	370
NRC4 150-315	18,5 kW	150	150	355	355	180	1014	160	258	290	400
NRC4 150-315	22 kW	150	150	355	355	180	1014	160	258	290	410
NRC4 150-315	30 kW	150	150	355	355	180	1050	160	258	290	461
NRC4 150-315	37 kW	150	150	355	355	180	1165	160	258	290	532
NRC4 150-400	37 kW	150	150	400	400	180	1165	160	290	314	580
NRC4 150-400	45 kW	150	150	400	400	180	1165	160	290	314	619
NRC4 150-400	55 kW	150	150	400	400	180	1184	160	290	314	638

Dimensions and weights



Pump Type	Motor Power	DN <sub>s</sub>	DN <sub>d</sub>	l <sub>1</sub>	l <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>	x	w <sub>1</sub>	w <sub>2</sub>	weight
NRC4 200-315	18.5 kW	200	200	450	350	200	1074	160	252	295	450
NRC4 200-315	22 kW	200	200	450	350	200	1074	160	252	295	459
NRC4 200-315	30 kW	200	200	450	350	200	1110	160	252	295	511
NRC4 200-315	37 kW	200	200	450	350	200	1225	160	252	295	581
NRC4 200-315	45 kW	200	200	450	350	200	1225	160	252	295	618
NRC4 200-400	37 kW	200	200	500	400	200	1225	160	290	328	-
NRC4 200-400	45 kW	200	200	500	400	200	1225	160	290	328	-
NRC4 200-400	55 kW	200	200	500	400	200	1244	160	290	328	-



### Construction

Electronically controlled, close-coupled, single impeller centrifugal pumps; inline desing with flange connection and the electric motor connected to the pump by rigid coupling. Main dimensions of casing complies with EN733. These pumps are directly coupled to electrik motors that comply with IEC frames and VDI norms. Connections: NRC flanges PN16, EN1092-2.

### Applications

- For clean liquids, without abrasives, which are non-aggressive for the pump materials (contents of solids up to 0.2%).
- For heating, air conditioning, cooling and circulation plants.
- For civil and industrial applications.
- For motor supply and fire fighting systems.

### Operating conditions

Liquid temperature from -10°C to +120°C.  
Ambient temperature up to 40°C.  
Total suction lift up to 7 m.  
Maximum permissible working pressure up to 10/16 bar.  
Continuous duty.

### Motor

4-pole induction motor, 50 Hz (n=1450rpm)  
NRC4: three-phase 230/400 V or 400/690 V±10%  
Insulation class F, Protection IP54  
Constructed in accordance with IEC 60034

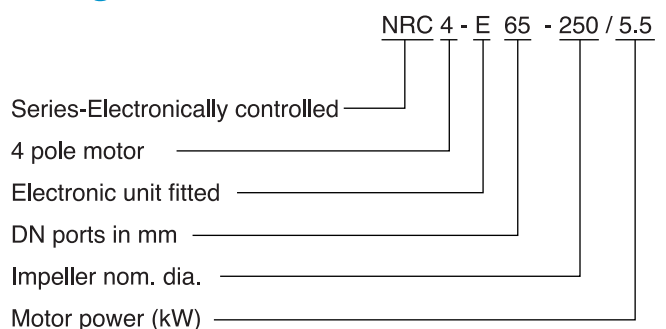
### Special features on request

- Other voltages
- Protection: IP55, IP56, Eex d II BT4
- Other Ambient temperatures from -40°C to +55°C
- Special mechanical seal
- Special material combinations for different applications (e.g. bronze, AISI304, AISI316, GGG40, GGG50)

### Materials

Pump casing	Cast Iron GJL250 EN1561
Lantern bracket	Cast Iron GJL250 EN1561
Impeller	Cast Iron GJL250 EN1561
Shaft	Chrome Steel AISI420
Mechanical seal	Carbon-Ceramic-NBR
Electronic Unit	Aluminum

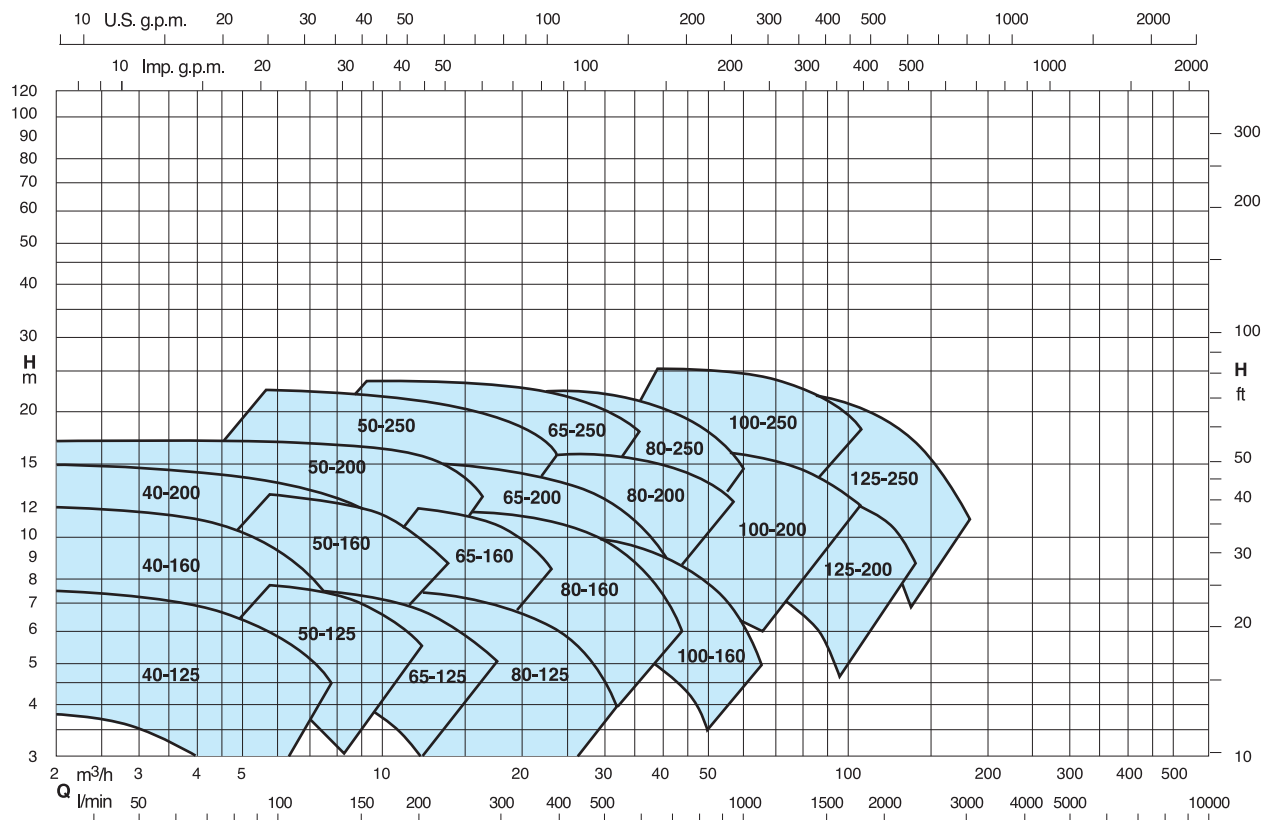
### Designation



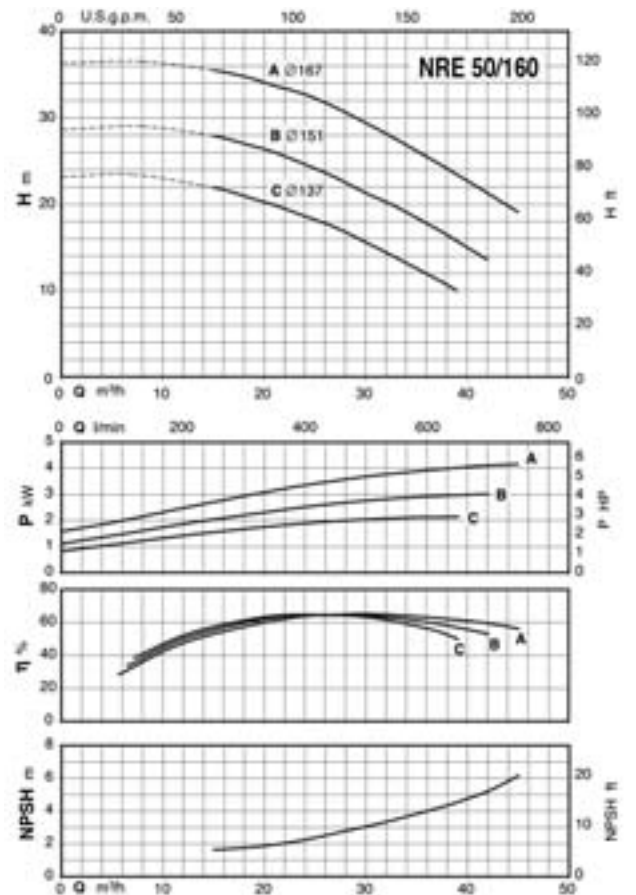
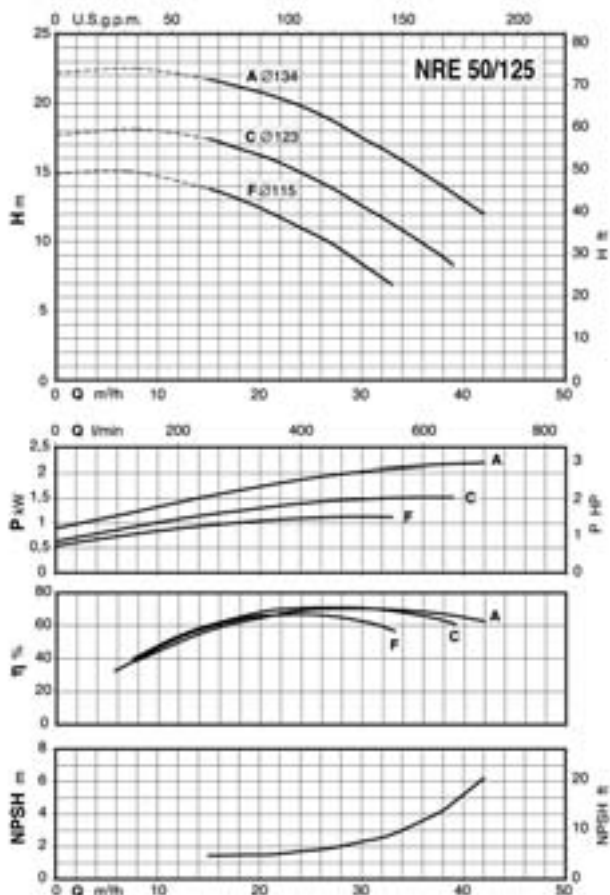
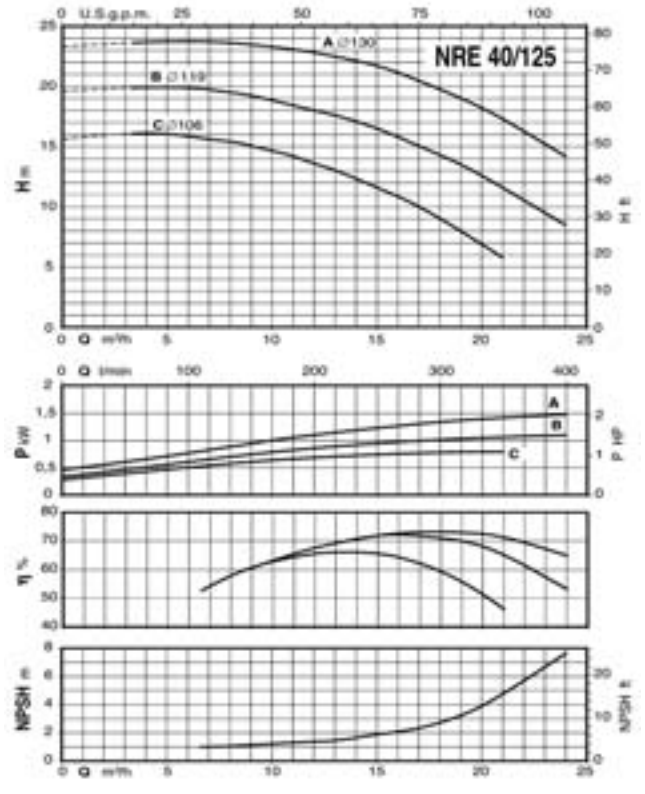
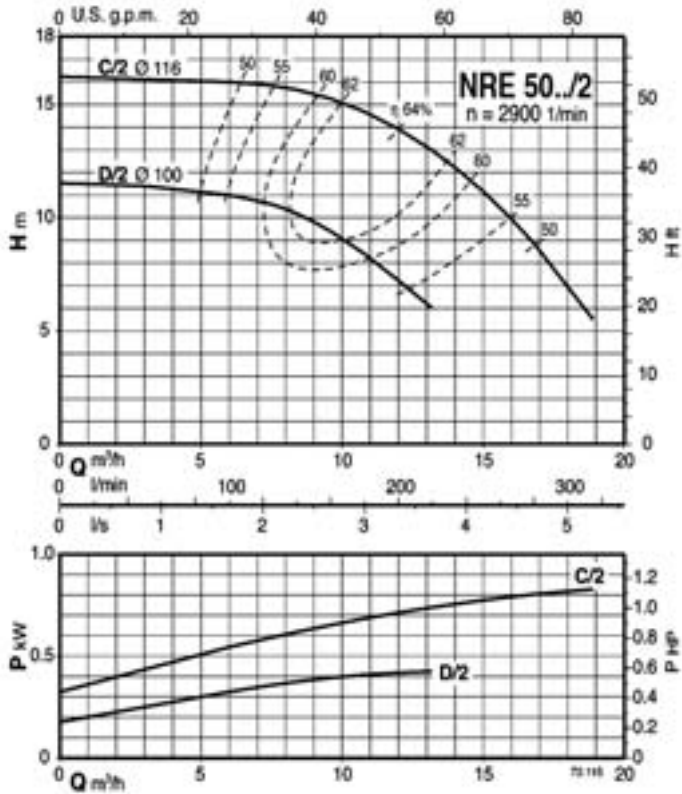
### Benefits

- Motor with IE2 technology for higher efficiency fitted as standard.
- Energy savings due to integrated electronic performance control.
- Simple operation with display screen
- Different control modes  $\Delta p=c$ ,  $\Delta p=v$ , PIC and  $n=constant$
- Wide speed range (4-pole:380-1450 rpm)
- Analogue interfaces 0-10V, 2-10V, 0-20 mA, 4-20 mA
- Standard BMS communication
- Integrated dual pump management
- Protection against overload and dry running
- Integrated soft start and soft stop functions, extending the life of the system and reducing peak absorption
- Indication of input current and supply voltage
- Recording running hours and logging errors and alarms reported by the system
- Electronic control unit cooled by the motorcooling fan and the body of unit constructed entirely of aluminum with compact design and dimensions with degree of protection IP55
- Difference value is calculated by the unit itself from the two values read. This solution enables significant cost saving as well as provide protection against cavitation (pressure alarm on suction side), and against overpressure (pressure alarm of delivery side)
- Electronic control unit conforms the following regulations; EN55011 Class A, EN61000, EN60146, EN50178, EN60204-1

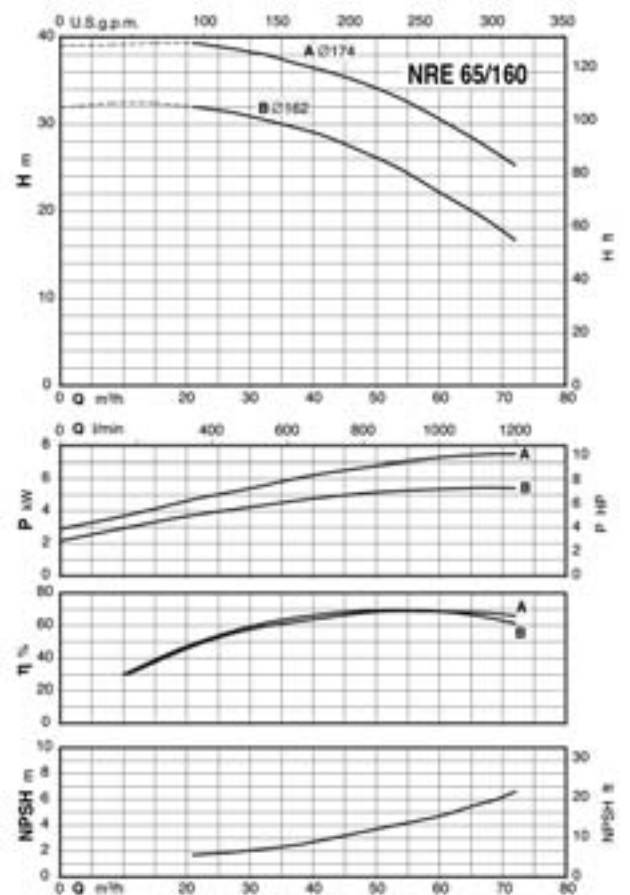
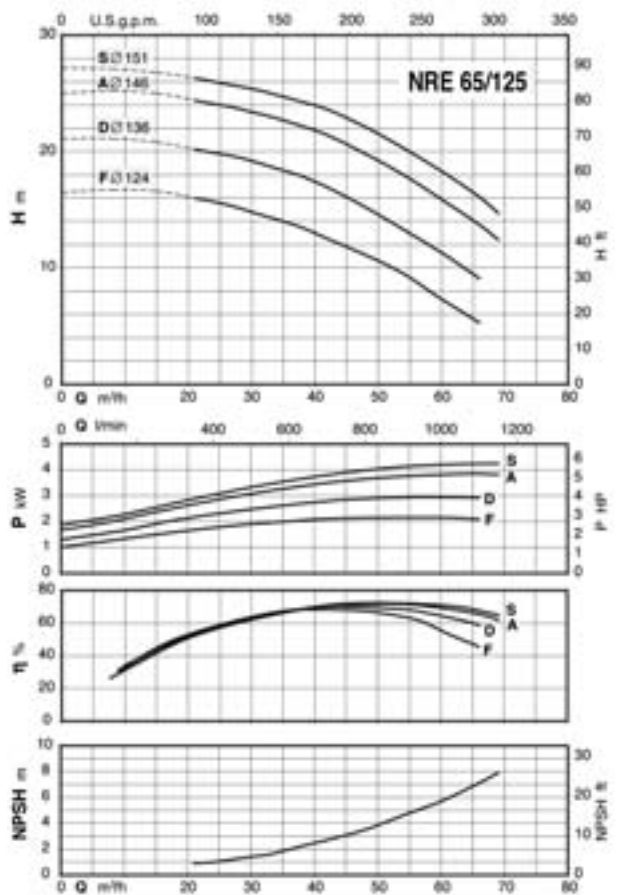
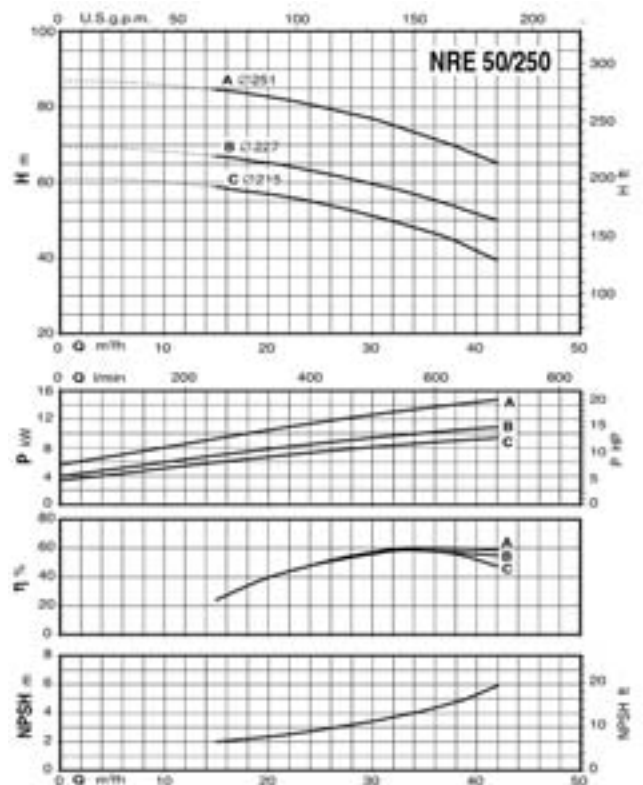
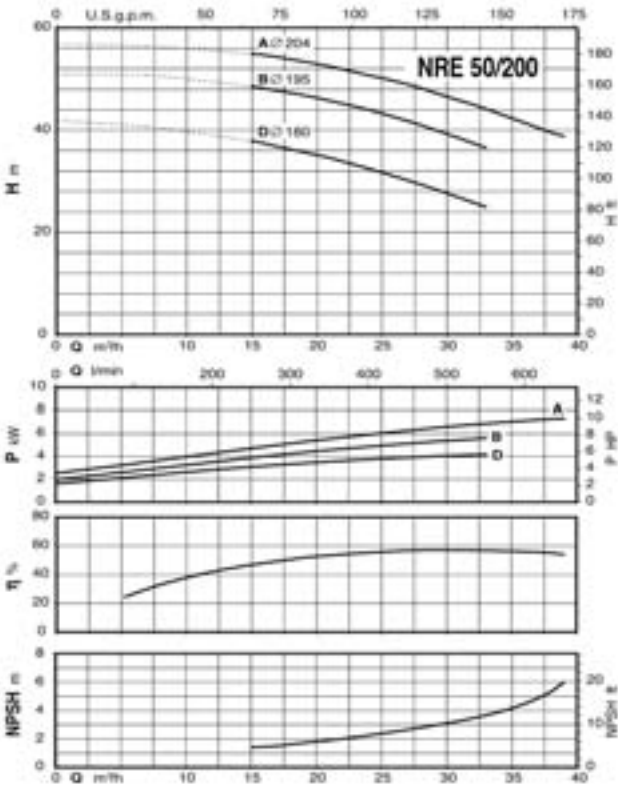
Coverage chart for NRC4-E series, n = 1450 rpm, max.



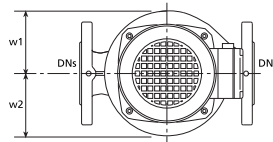
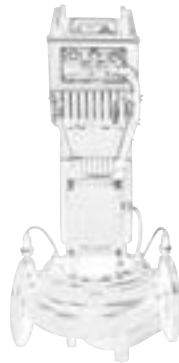
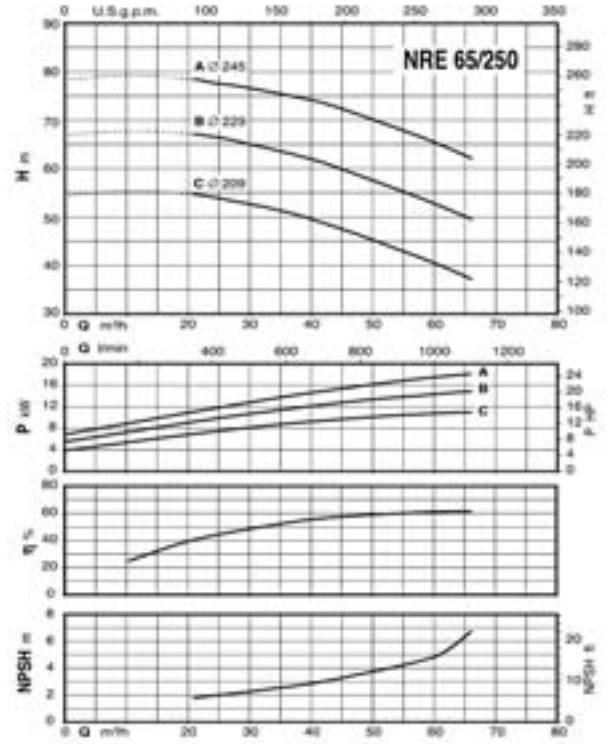
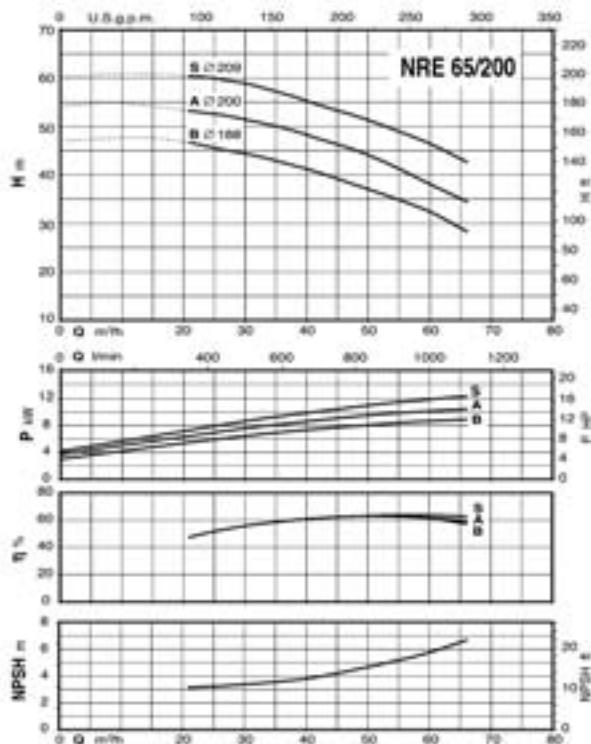
## Characteristic Curves



## Characteristic Curves

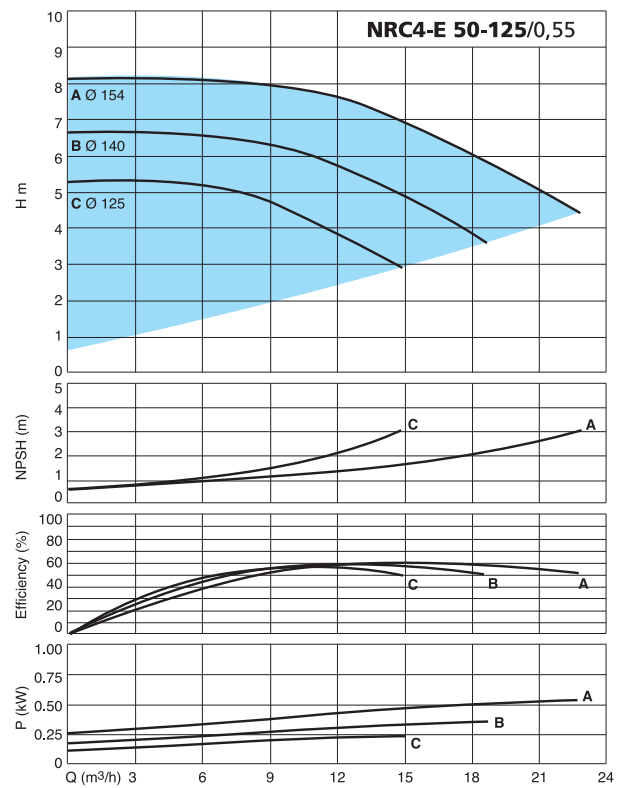
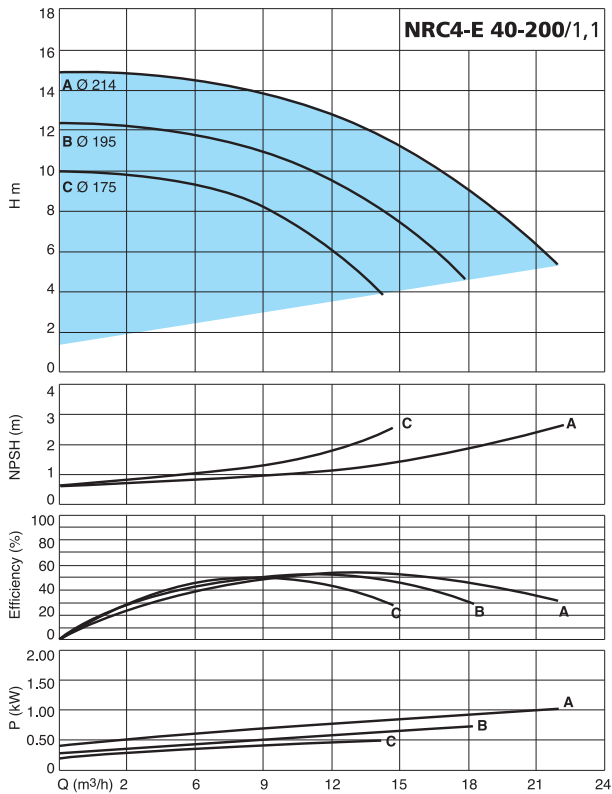
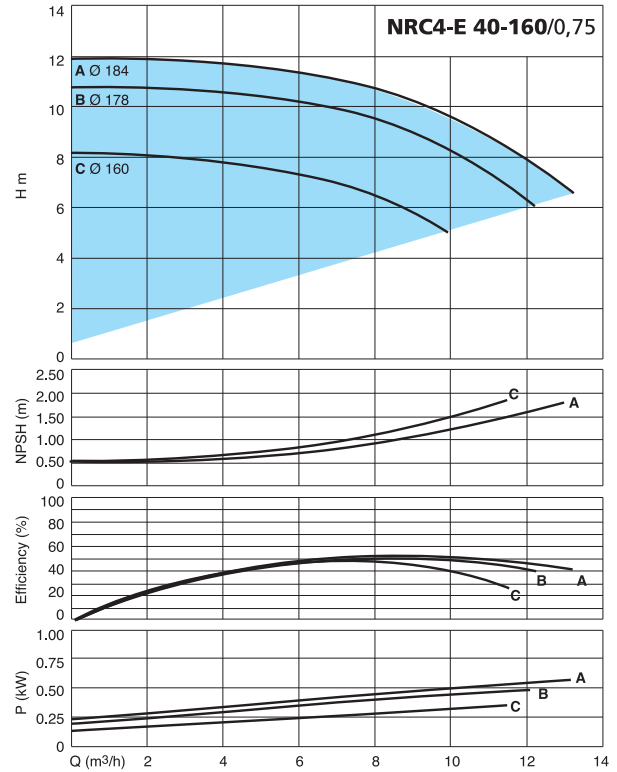
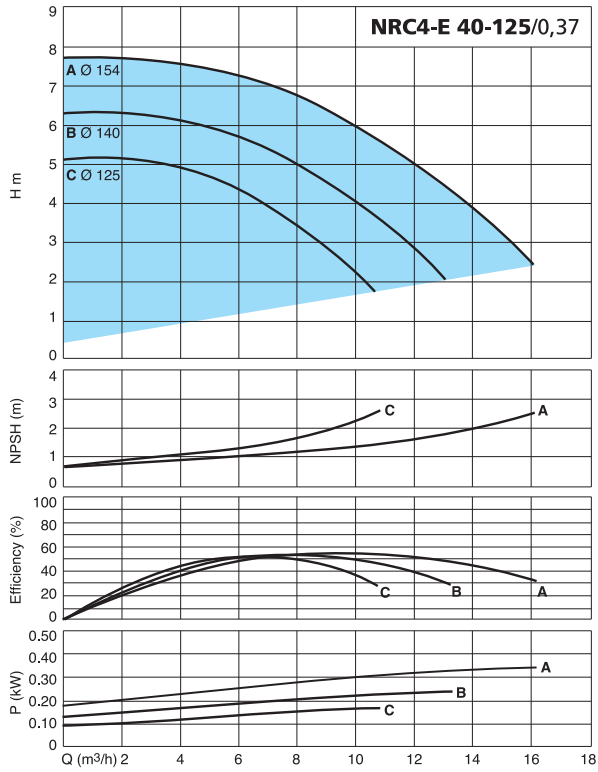


### Characteristic Curves

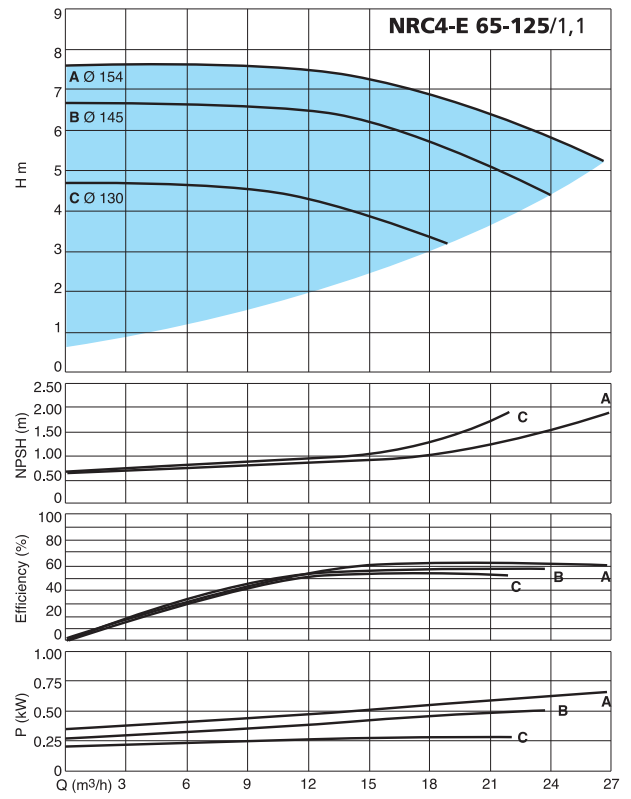
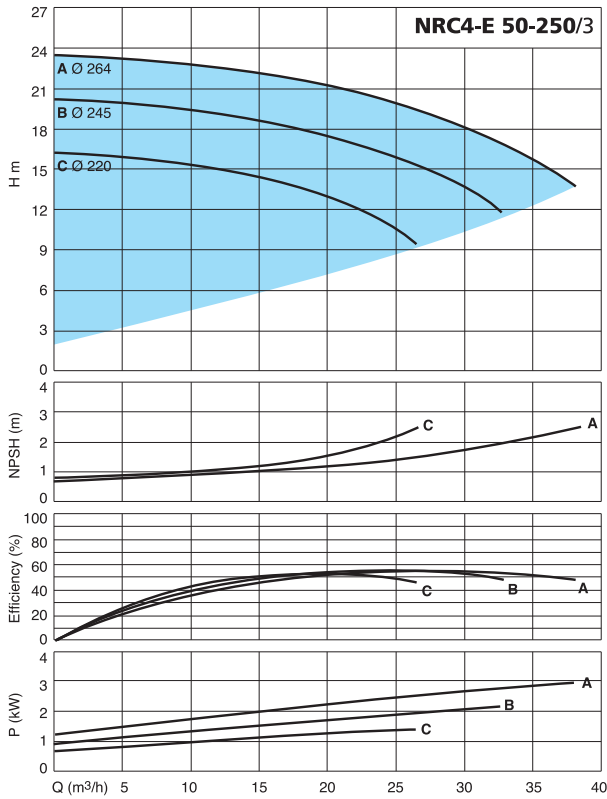
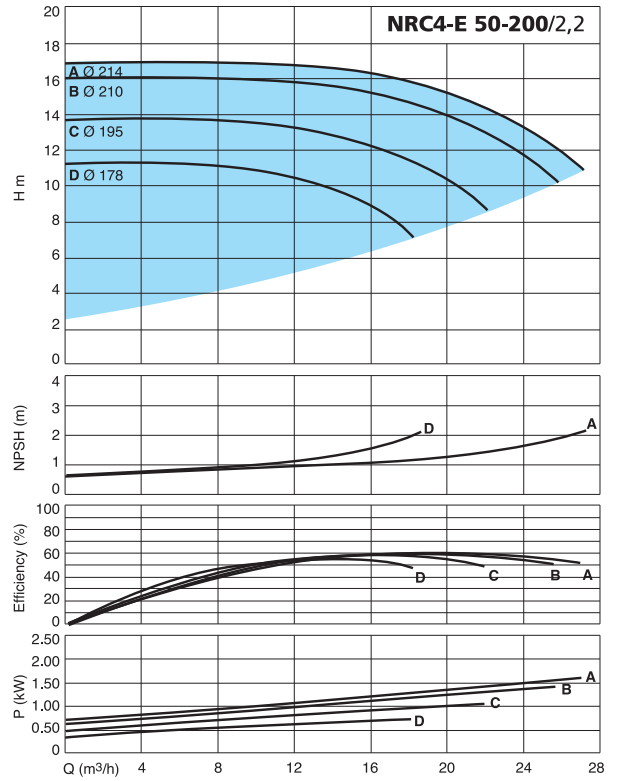
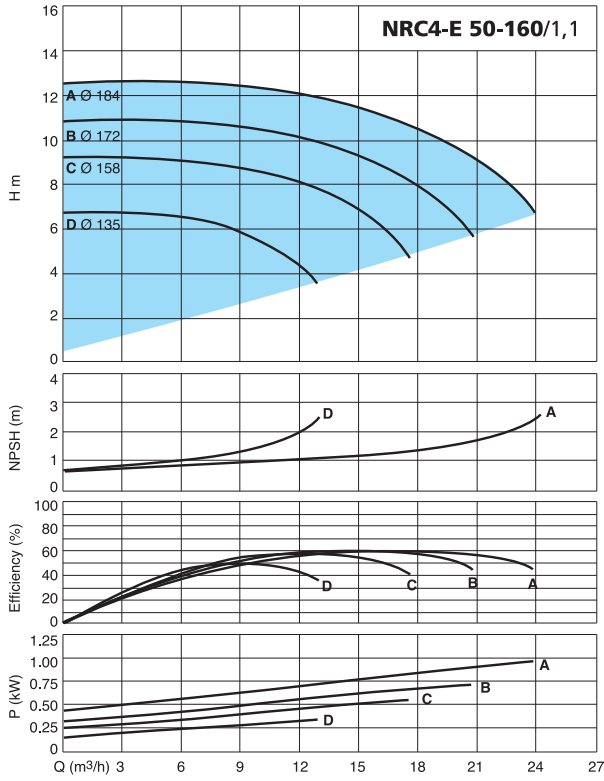


PUMP	KW	DNs	DNd	W	L	H
NRE 50 D/A	0,45	50	50	160	193	380
NRE 50 C/A	0,75	50	50	160	193	380
NRE 40/125C	0,75	50	50	340	200	420
NRE 40/125B	1,1	50	50	340	200	420
NRE 40/125A	1,5	50	50	340	200	420
NRE 50/125F	1,1	50	50	340	211	455
NRE 50/125C	1,5	50	50	340	211	455
NRE 50/125 A/A	2,2	50	50	340	211	455
NRE 50/160 C/A	2,2	50	50	340	248	457
NRE 50/160 B/A	3	50	50	340	248	522
NRE 50/160 A/A	4	50	50	340	248	522
NRE 50/200 D/A	4	50	50	340	255	540
NRE 50/200 B/A	5,5	50	50	340	255	540
NRE 50/200 A/A	7,5	50	50	340	255	540
NRE 50/250 C/A	9,2	50	50	340	260	560
NRE 50/250 B/A	11	50	50	340	260	560
NRE 50/250 A/A	15	50	50	340	260	560
NRE 65/125 F/A	2,2	65	65	340	266	472
NRE 65/125 D/A	3	65	65	340	266	537
NRE 65/125 A/A	4	65	65	340	266	537
NRE 65/125 S/A	4	65	65	340	266	537
NRE 65/160 B/A	5,5	65	65	340	263	569
NRE 65/160 A/A	7,5	65	65	340	263	569
NRE 65/200 B/A	9,2	65	65	340	270	580
NRE 65/200 A/A	11	65	65	340	270	580
NRE 65/200 S/A	15	65	65	340	270	580
NRE 65/250 C/A	11	65	65	340	275	600
NRE 65/250 B/A	15	65	65	340	275	600

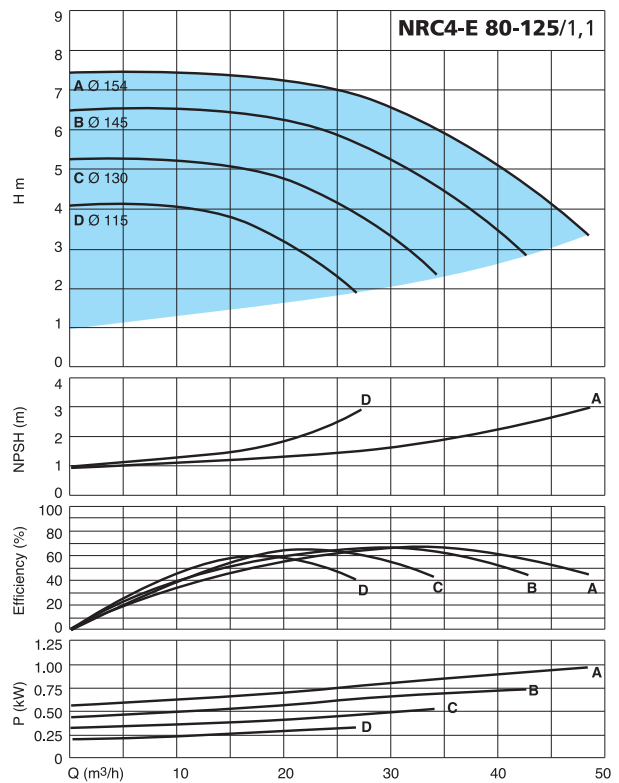
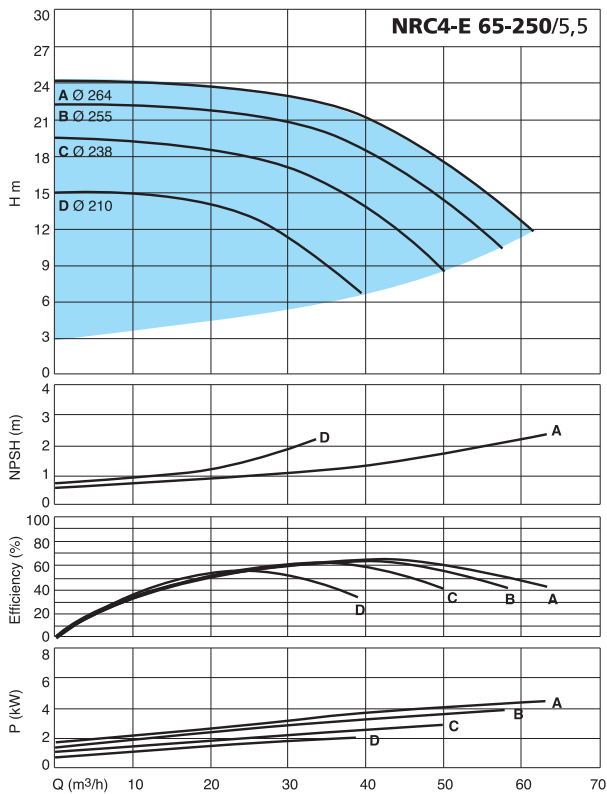
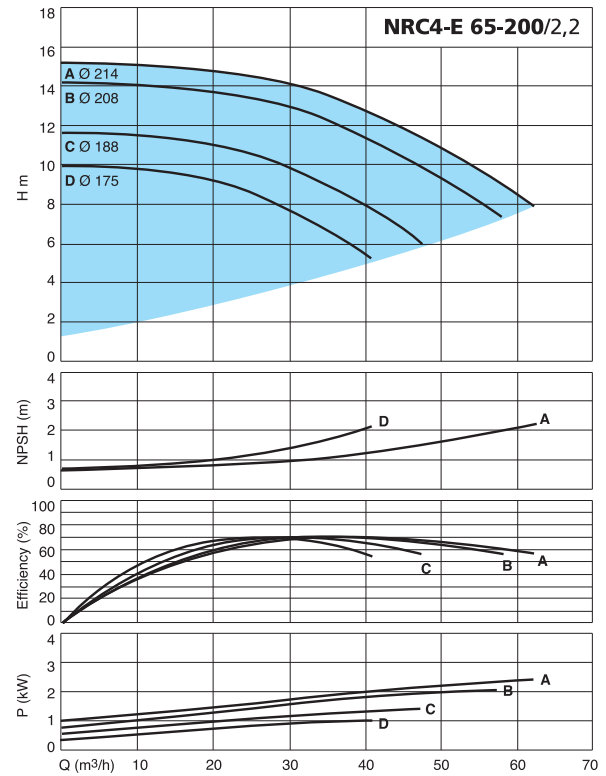
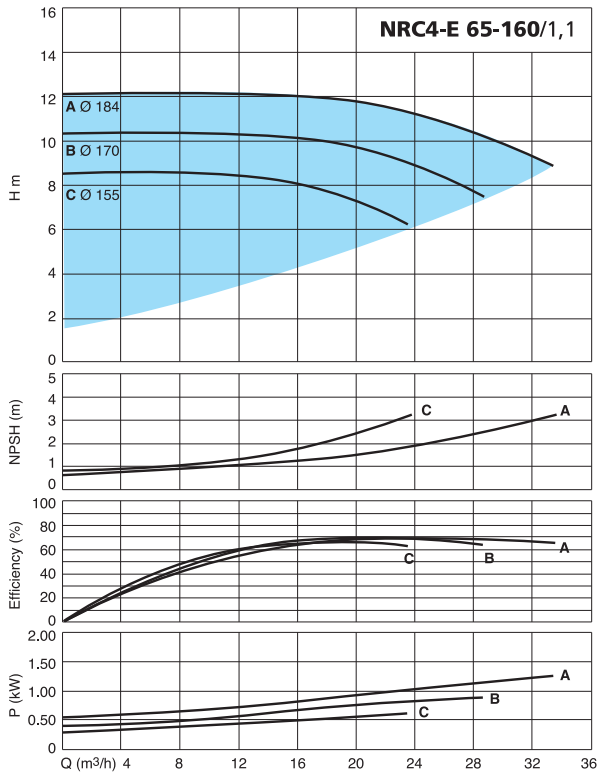
### Characteristic curves



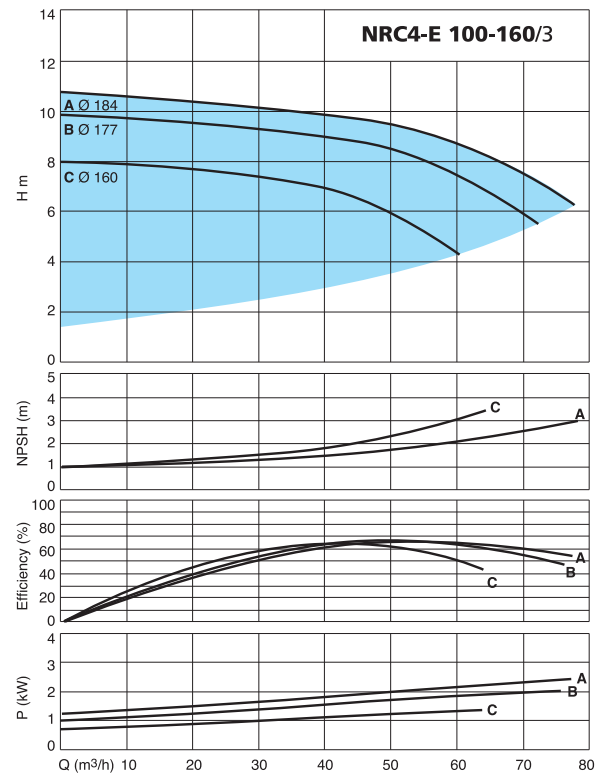
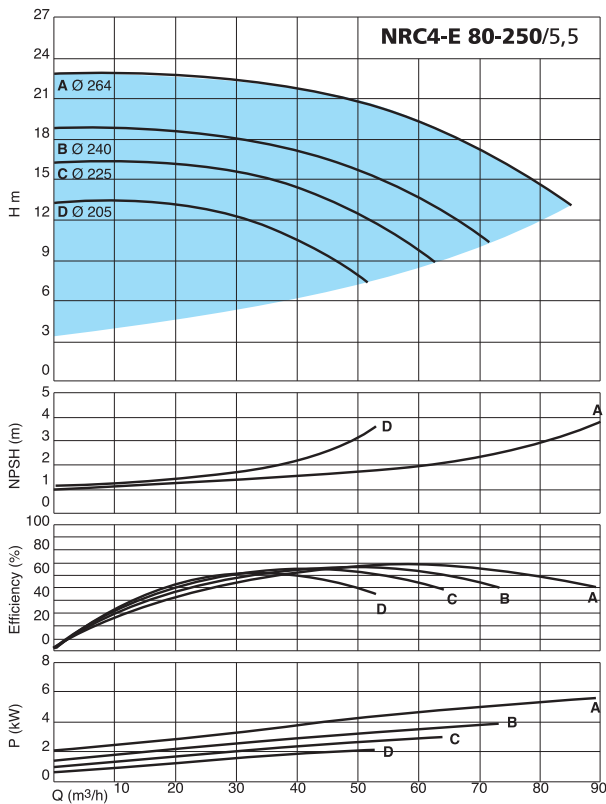
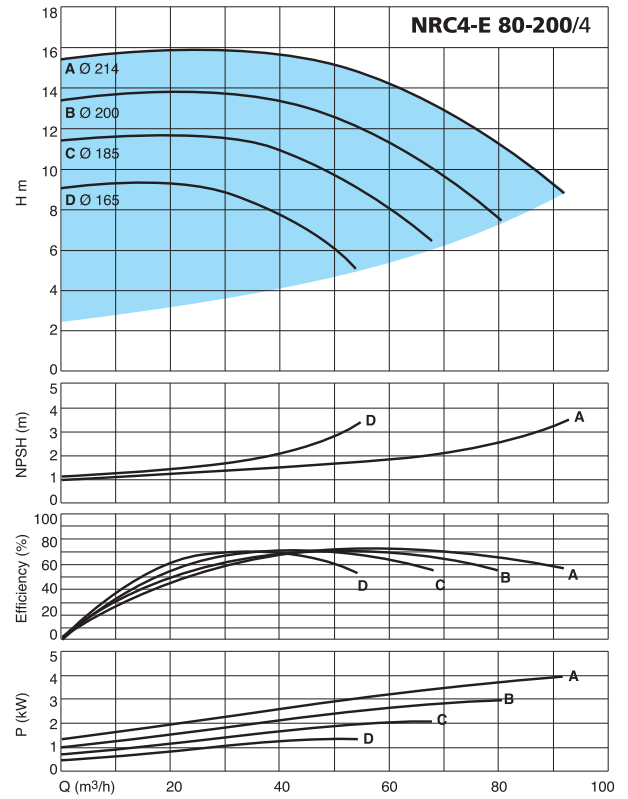
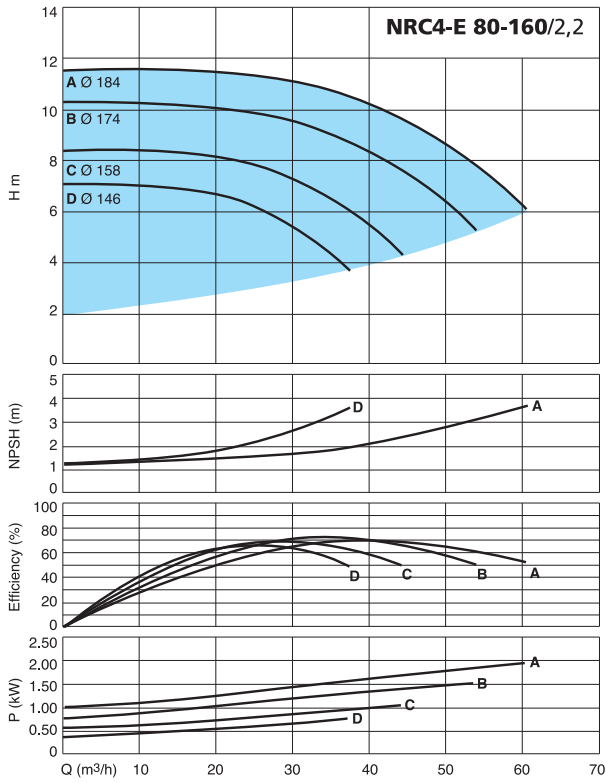
### Characteristic curves



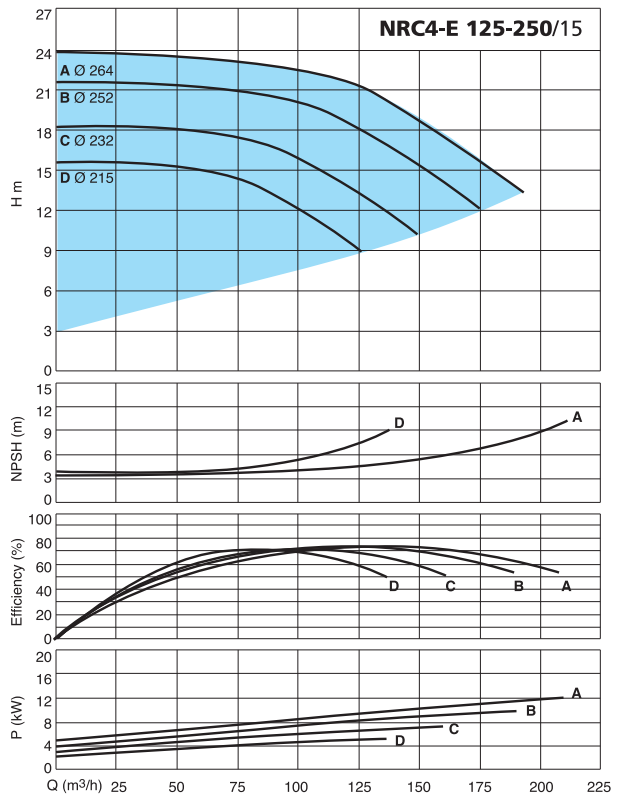
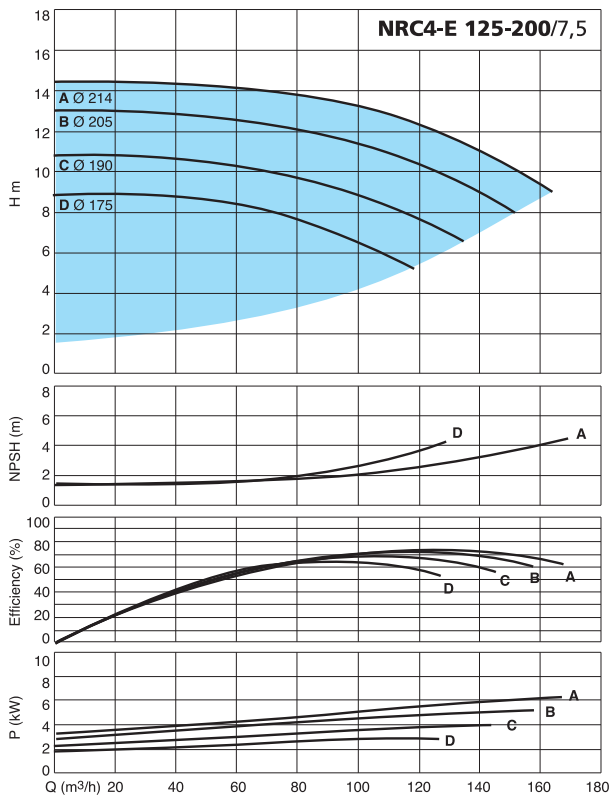
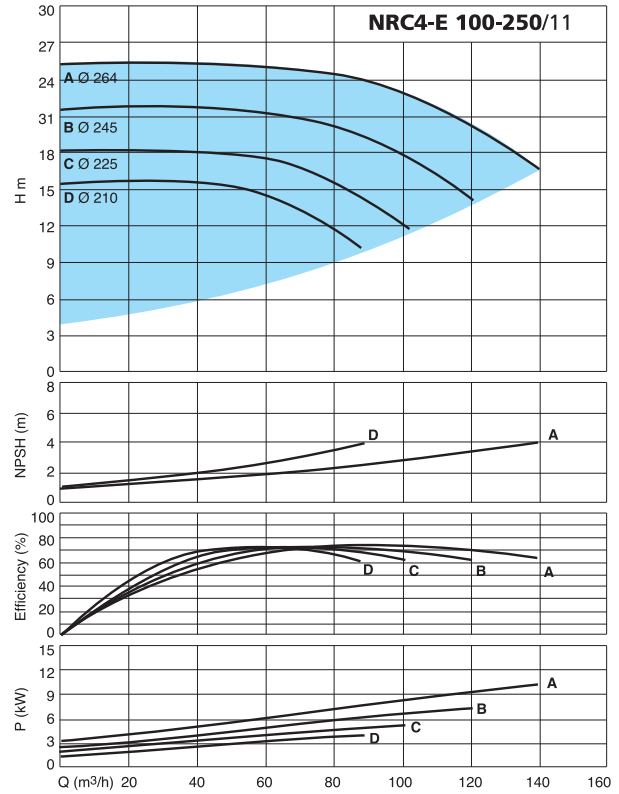
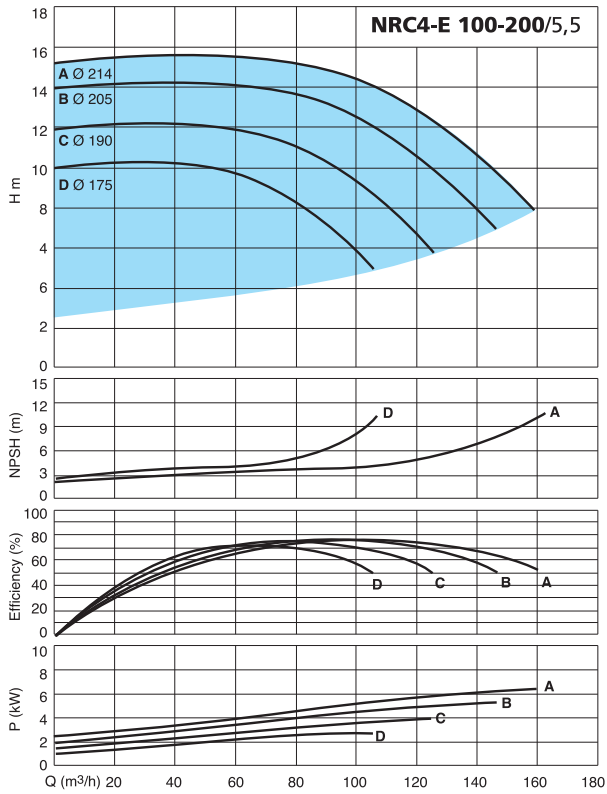
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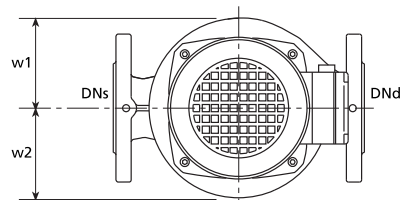
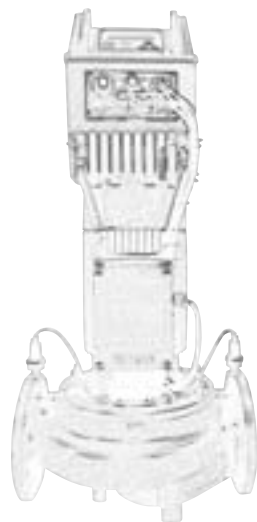
### Characteristic curves



### Characteristic curves

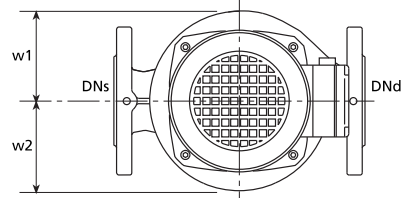
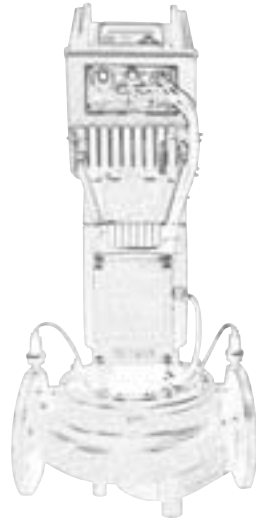


### Dimensions and weights



Pump Type	Motor Power	DN <sub>s</sub>	DN <sub>d</sub>	l <sub>1</sub>	l <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>	x	w <sub>1</sub>	w <sub>2</sub>	weight
NRC4-E 40-125	0.25 kW	40	40	160	140	75	463	100	100	108	44
NRC4-E 40-125	0.37 kW	40	40	160	140	75	463	100	100	108	44
NRC4-E 40-160	0.37 kW	40	40	180	160	75	463	100	114	122	49
NRC4-E 40-160	0.55 kW	40	40	180	160	75	484	100	114	122	53
NRC4-E 40-160	0.75 kW	40	40	180	160	75	484	100	114	122	55
NRC4-E 40-200	0.55 kW	40	40	200	180	75	484	100	135	140	57
NRC4-E 40-200	0.75 kW	40	40	200	180	75	484	100	135	140	59
NRC4-E 40-200	1.1 kW	40	40	200	180	75	507	100	135	140	62
NRC4-E 50-125	0.25 kW	50	50	160	140	90	478	100	110	212	45
NRC4-E 50-125	0.37 kW	50	50	160	140	90	478	100	110	212	45
NRC4-E 50-125	0.55 kW	50	50	160	140	90	499	100	110	212	48
NRC4-E 50-160	0.37 kW	50	50	180	160	90	478	100	114	224	49
NRC4-E 50-160	0.55 kW	50	50	180	160	90	499	100	114	224	53
NRC4-E 50-160	0.75 kW	50	50	180	160	90	499	100	114	224	54
NRC4-E 50-160	1.1 kW	50	50	180	160	90	522	100	114	224	58
NRC4-E 50-200	0.75 kW	50	50	225	200	90	499	100	135	245	62
NRC4-E 50-200	1.1 kW	50	50	225	200	90	522	100	135	245	64
NRC4-E 50-200	1.5 kW	50	50	225	200	90	522	100	135	245	67
NRC4-E 50-250	1.5 kW	50	50	250	225	90	522	100	167	275	82
NRC4-E 50-250	2.2 kW	50	50	250	225	90	547	100	167	275	89
NRC4-E 50-250	3 kW	50	50	250	225	90	547	100	167	275	94
NRC4-E 65-125	0.37 kW	65	65	180	160	110	498	100	102	220	51
NRC4-E 65-125	0.55 kW	65	65	180	160	110	519	100	102	220	56
NRC4-E 65-125	0.75 kW	65	65	180	160	110	519	100	102	220	58
NRC4-E 65-160	0.55 kW	65	65	200	180	110	519	100	116	236	60
NRC4-E 65-160	0.75 kW	65	65	200	180	110	519	100	116	236	62
NRC4-E 65-160	1.1 kW	65	65	200	180	110	542	100	116	236	64
NRC4-E 65-200	1.1 kW	65	65	250	225	110	542	100	153	262	78
NRC4-E 65-200	1.5 kW	65	65	250	225	110	542	100	153	262	84
NRC4-E 65-200	2.2 kW	65	65	250	225	110	567	100	153	262	89
NRC4-E 65-250	1.5 kW	65	65	250	225	110	542	125	166	277	92
NRC4-E 65-250	2.2 kW	65	65	250	225	110	567	125	166	277	98
NRC4-E 65-250	3 kW	65	65	250	225	110	567	125	166	277	101
NRC4-E 65-250	4 kW	65	65	250	225	110	611	125	166	277	107

### Dimensions and weights



Pump Type	Motor Power	DN <sub>s</sub>	DN <sub>d</sub>	l <sub>1</sub>	l <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>	x	w <sub>1</sub>	w <sub>2</sub>	weight
NRC4-E 80-125	0.37 kW	80	80	200	180	130	518	125	114	138	60
NRC4-E 80-125	0.55 kW	80	80	200	180	130	539	125	114	138	63
NRC4-E 80-125	0.75 kW	80	80	200	180	130	539	125	114	138	65
NRC4-E 80-125	1.1 kW	80	80	200	180	130	562	125	114	138	68
NRC4-E 80-160	0.75 kW	80	80	225	200	130	539	125	128	152	70
NRC4-E 80-160	1.1 kW	80	80	225	200	130	562	125	128	152	72
NRC4-E 80-160	1.5 kW	80	80	225	200	130	562	125	128	152	75
NRC4-E 80-160	2.2 kW	80	80	225	200	130	587	125	128	152	82
NRC4-E 80-200	1.5 kW	80	80	250	225	130	562	125	145	170	83
NRC4-E 80-200	2.2 kW	80	80	250	225	130	587	125	145	170	95
NRC4-E 80-200	3 kW	80	80	250	225	130	587	125	145	170	98
NRC4-E 80-200	4 kW	80	80	250	225	130	631	125	145	170	105
NRC4-E 80-250	2.2 kW	80	80	280	280	140	620	125	182	197	119
NRC4-E 80-250	3 kW	80	80	280	280	140	620	125	182	197	119
NRC4-E 80-250	4 kW	80	80	280	280	140	664	125	182	197	129
NRC4-E 80-250	5.5 kW	80	80	280	280	140	739	125	182	197	141
NRC4-E 100-160	1.5 kW	100	100	250	225	150	582	140	130	162	86
NRC4-E 100-160	2.2 kW	100	100	250	225	150	607	140	130	162	93
NRC4-E 100-160	3 kW	100	100	250	225	150	607	140	130	162	97
NRC4-E 100-200	2.2 kW	100	100	275	250	170	650	140	170	192	93
NRC4-E 100-200	3 kW	100	100	275	250	170	650	140	170	192	95
NRC4-E 100-200	4 kW	100	100	275	250	170	694	140	170	192	121
NRC4-E 100-200	5.5 kW	100	100	275	250	170	769	140	170	192	135
NRC4-E 100-250	4 kW	100	100	300	280	170	694	140	178	206	142
NRC4-E 100-250	5.5 kW	100	100	300	280	170	771	140	178	206	154
NRC4-E 100-250	7.5 kW	100	100	300	280	170	771	140	178	206	175
NRC4-E 100-250	11 kW	100	100	300	280	170	894	140	178	206	200
NRC4-E 125-200	3 kW	125	125	280	280	180	685	140	182	208	151
NRC4-E 125-200	4 kW	125	125	280	280	180	729	140	182	208	158
NRC4-E 125-200	5.5 kW	125	125	280	280	180	804	140	182	208	170
NRC4-E 125-200	7.5 kW	125	125	280	280	180	804	140	182	208	191
NRC4-E 125-250	5.5 kW	125	125	315	315	180	804	140	195	218	178
NRC4-E 125-250	7.5 kW	125	125	315	315	180	804	140	195	218	200
NRC4-E 125-250	11 kW	125	125	315	315	180	928	140	195	218	223
NRC4-E 125-250	15 kW	125	125	315	315	180	928	140	195	218	239





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