Standard Pump N

General

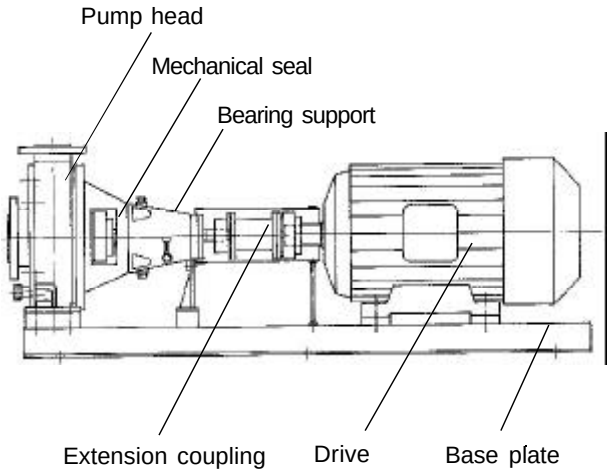
Pump

N-type standard pumps are normal-priming, single-stage, plastic centrifugal pumps with horizontal axis. Their dimensions and flow rates correspond to DIN/EN 22858.

The pumps of this series were developed to meet the requirements of the chemical industry and are therefore especially suited to pump pure or solid matter containing, acid or alkaline, low-viscosity liquids.

As the materials getting in contact with the pumped medium are physiologically harmless, the pumps can also be used in the food industry.

The standard use of extension coupling ensures simple dismantling of bearing supports and internal pump components without removing the pipe connections and motor. This avoids laborious alignment of the pump and motor when assembling the system.



Pump head, impeller

All wetted-end parts are made of high-quality materials such as PP, PVDF, hard carbon, EPDM or FPM elastomers. The external metallic parts are protected against corrosion by a chemically resistant varnish coat. For all pump sizes, closed impellers with relief borings for compensation of the axial thrust are used. The transmission of the torque is form-locking.

Position of connections, flanges

The suction connection is positioned axially, the pressure flange radially in upward direction. As a standard the suction and pressure connections are fitted with flanges according to DIN 2501/PN 10.

Shaft and bearing

Bearing of the strongly dimensioned stainless steel shaft is done by two oil or grease-lubricated roller bearings accommodated by a 26 cast iron bearing support.
A shaft sleeve of synthetic resin-impregnated carbon (or PVDF) protects the pump shaft against contact with the pumped medium.

Shaft seals

The shafts are sealed by means of maintenance-free mechanical seals. Depending on the operating conditions, internal, single-acting or double-acting versions are used. Double-acting mechanical seals require a sealing liquid.
Sliding materials in silicon carbide (SiC), bellows and secondary seals of EPDM or FPM, metallic parts of stainless steel (1.4571) or Hastelloy C-4 (2.4610) are standard combinations and cover a large range of applications.
The space available in the sealing area allows to use standard seals.
Special versions on request.

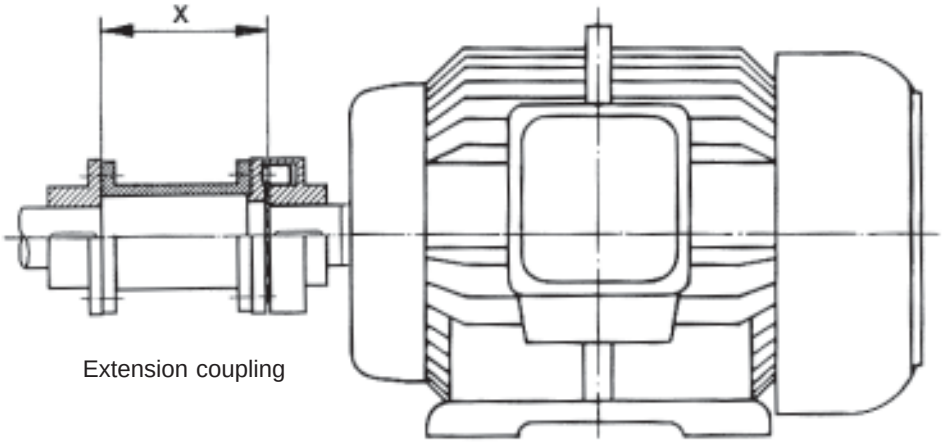
Base plate
Chemical N-type standard pumps are supplied as complete units consisting of pump, coupling and electric motor mounted on a common steel base plate.

Drive
Surface-cooled three-phase motors according to IEC standard, 1450 rpm or 2900 rpm, enclosure IP 55, insulation class F, mounting IM B3.

Nominal pump capacities according to DIN/EN 22 858

Pumpe size N ...	Output at 1450 rpm		Output at 2900 rpm	
	Nominal flow rate [m³/h]	Nominal head [m]	Nominal flow rate [m³/h]	Nominal head [m]
50-32-125	8,3	5	12,5	20
50-32-160		8		32
50-32-200		12,5		50
50-32-250		20		80
65-40-125	12,5	5	25	20
65-40-160		8		32
65-40-200		12,5		50
65-40-250		20		80
65-40-315		32		100
80-50-125	25	5	50	20
80-50-160		8		32
80-50-200		12,5		50
80-50-250		20		80
80-50-315		32		100
100-65-125	50	5	100	20
100-65-160		8		32
100-65-200		12,5		50
100-65-250		20		80
100-65-315		32		100
125-80-160	80	8	160	32
125-80-200		12,5		50
125-80-250		20		80
125-80-315		32	---	---
125-100-200	125	12,5	---	---
125-100-250		20	---	---
125-100-315		32	---	---
150-125-250	200	20	---	---
200-150-250	315	10	---	---

Extension coupling and electric motor



Extension coupling

Electric motor

Extension coupling N-EUPEX

Type	Dim. X [mm]	Part No. coupling rubber kit
H 80	100	68430
H 95	100	68431
	140	68431
H 110	100	68432
	140	68432
H 125	100	68433
	140	68433
H 140	100	68434
	140	68434
H 160	140	68435

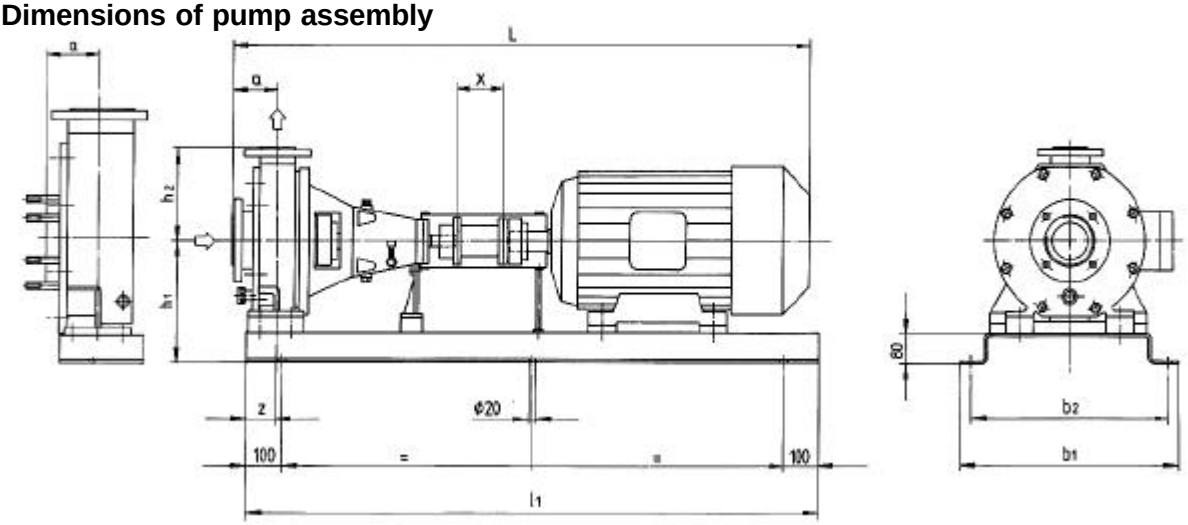
The part numbers of the extension coupling depend on pump and engine sizes and are available on request.

Electric motor

Three-phase motor assembly, mounting B3, according to IEC standard, 3x400 V / 50 Hz, insulation class F, enclosure IP 55.

Power [kW]	Size 1450 rpm	Part No.	Size 2900 rpm	Part No.
0,55	80	78863	---	---
0,75	80	78864	80	78848
1,1	90S	78865	80	78849
1,5	90L	78866	90S	78850
2,2	100L	78867	90L	78851
3,0	100L	78868	100L	78852
4,0	112M	78869	112M	78853
5,5	132S	78870	132S	78854
7,5	132M	78871	132S	78855
11,0	160M	78872	160M	78856
15,0	160L	78873	160M	78857
18,5	180M	78874	160L	78858
22,0	180L	78875	180M	78859
30,0	200L	78876	200L	78860
37,0	225S	78877	200L	78861
45,0	225M	78878	225M	78862

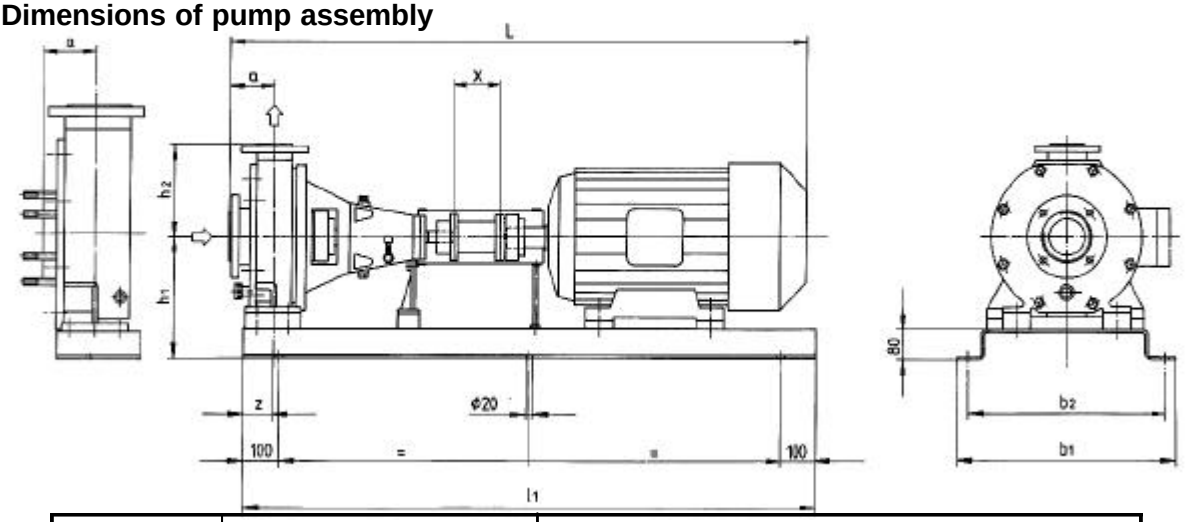
Dimensions of pump assembly



Pump size N ...	Drive motor 1450 rpm			Drive motor 2900 rpm		
	Max. power [kW]	Motor size	*L	Max. power [kW]	Motor size	*L
50-32-125	1,5	90L	885	5,5	132S	1012
50-32-160	4,0	112M	946	11,0	160M	1148
50-32-200	4,0	112M	946	18,5	160L	1192
50-32-250	5,5	132S	1150	22,0	180M	1350
65-40-125	3,0	100L	1150	5,5	132S	1012
65-40-160	4,0	112M	946	15,0	160M	1148
65-40-200	5,5	132S	1150	22,0	180M	1350
65-40-250	11,0	160M	1170	37,0	200L	1485
65-40-315	11,0	160M	1170	37,0	200L	1485
80-50-125	3,0	100L	930	15,0	160M	1148
80-50-160	7,5	132M	1070	18,5	160L	1212
80-50-200	7,5	132M	1070	37,0	200L	1485
80-50-250	15,0	160L	1395	37,0	200L	1485
80-50-315	30,0	200L	1506	37,0	200L	1485
100-65-125	7,5	132M	1070	22,0	180M	1350
100-65-160	7,5	132M	1070	30,0	200L	1485
100-65-200	15,0	160L	1395	37,0	200L	1485
100-65-250	15,0	160L	1395	45,0	225M	1565
100-65-315	7,0	225S	1573	---	---	---
125-80-160	7,5	132M	1070	45,0	225M	1565
125-80-200	15,0	160L	1395	45,0	225M	1565
125-80-250	30,0	200L	1506	45,0	225M	1565
125-80-315	45,0	225M	1590	---	---	---
125-100-200	18,5	180M	1415	---	---	---
125-100-250	22,0	180L	1520	---	---	---
125-100-315	45,0	225M	1653	---	---	---
150-125-250	22,0	180L	1520	---	---	---
200-150-250	30,0	200L	1638	---	---	----

* at max. motor power

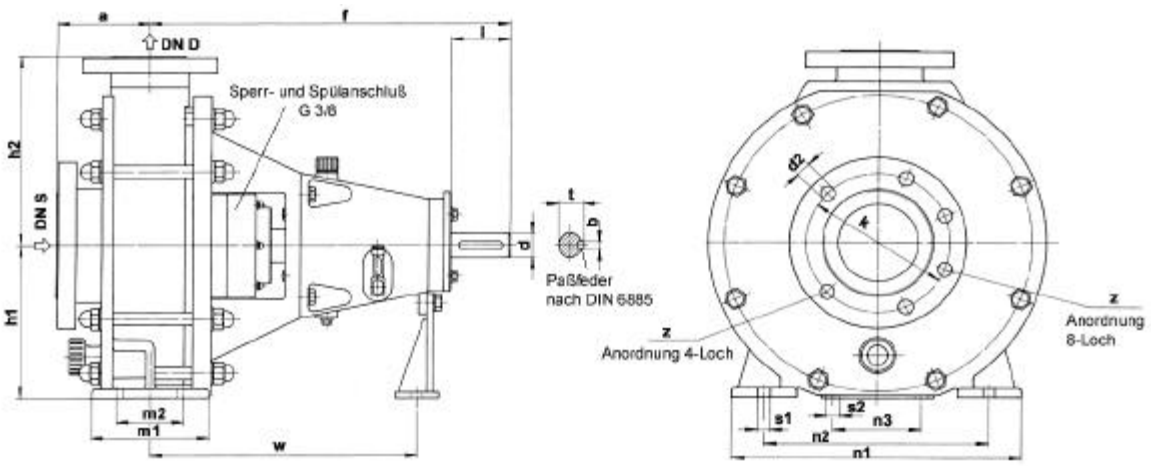
Dimensions of pump assembly



Pump size N ...	Flange connection dimensions according to DIN 2501,Part 1 f. PN10		Pump dimensions							
	DN_S Inlet	DN_D Outlet	a	z	* l1	h1	h2	b1	b2	X
50-32-125	50	32	80	75	1000	192	140	430	370	100
50-32-160			80	75	1000	212	160	430	370	
50-32-200			80	75	1000	240	180	430	370	
50-32-250			100	87,5	1200	260	225	510	450	
65-40-125	65	40	80	75	1000	192	140	430	370	100
65-40-160			80	75	1000	212	160	430	370	
65-40-200			100	75	1000	240	180	430	370	
65-40-250			100	87,5	1200	260	225	510	450	
65-40-315			125	87,5	1200	280	250	510	450	
80-50-125	80	50	100	75	1000	212	160	430	370	100
80-50-160			100	75	1000	240	180	430	370	
80-50-200			100	75	1000	240	200	430	370	
80-50-250			125	87,5	1200	260	225	510	450	
80-50-315			125	87,5	1400	305	250	560	500	
100-65-125	100	65	100	87,5	1000	240	180	430	370	100
100-65-160			100	87,5	1200	240	200	510	450	
100-65-200			100	87,5	1400	260	225	560	500	140
100-65-250			125	105	1400	280	250	560	500	
100-65-315			125	105	1600	305	280	610	550	
125-80-160	125	80	125	87,5	1200	260	225	510	450	140
125-80-200			125	87,5	1400	260	250	560	500	
125-80-250			125	105	1600	305	280	610	550	
125-80-315			125	105	1600	330	315	610	550	
125-100-200	125	100	125	100	1400	280	280	560	500	140
125-100-250			140	100	1400	305	280	560	500	
125-100-315			140	100	1600	330	315	610	550	
150-125-250	150	125	140	100	1400	330	355	560	500	140
200-150-250	200	150	160	115	1600	360	375	610	550	180

* at max. motor power

Dimensions of pump head / bearing support assembly

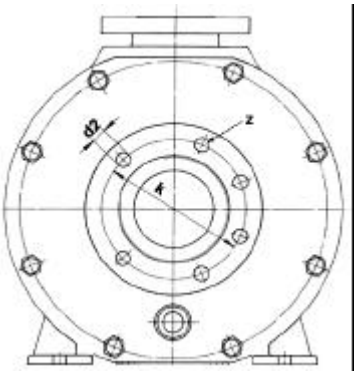


Pump size N ...	Flange connection dimensions according to DIN 2501,Part 1 f. PN10		Pump dimensions				Shaft end DIN 748			
	DN_S Inlet	DN_D Outlet	a	f	h1	h2	d	l	t	b
50-32-125	50	32	80	385	112	140	24	50	27	8
50-32-160			80	385	132	160	24	50	27	8
50-32-200			80	385	160	180	24	50	27	8
50-32-250			100	500	180	225	32	80	35	10
65-40-125	65	40	80	385	112	140	24	50	27	8
65-40-160			80	385	132	160	24	50	27	8
65-40-200			100	385	160	180	24	50	27	8
65-40-250			100	500	180	225	32	80	35	10
65-40-315			125	500	200	250	32	80	35	10
80-50-125	80	50	100	385	132	160	24	50	27	8
80-50-160			100	385	160	180	24	50	27	8
80-50-200			100	385	160	200	24	50	27	8
80-50-250			125	500	180	225	32	80	35	10
80-50-315			125	500	225	280	32	80	35	10
100-65-125	100	65	100	385	160	180	24	50	27	8
100-65-160			100	500	160	200	32	80	35	10
100-65-200			100	500	180	225	32	80	35	10
100-65-250			125	500	200	250	32	80	35	10
100-65-315			125	530	225	280	42	110	45	12
125-80-160	125	80	125	500	180	225	32	80	35	10
125-80-200			125	500	180	250	32	80	35	10
125-80-250			125	500	225	280	32	80	35	10
125-80-315			125	530	250	315	42	110	45	12
125-100-200	125	100	125	500	200	280	32	80	35	10
125-100-250			140	530	225	280	42	110	45	12
125-100-315			140	530	250	315	42	110	45	12
150-125-250	150	125	140	530	250	355	42	110	45	12
200-150-250	200	150	160	530	280	375	42	110	45	12

Pump head / bearing support assembly

Pump size N ...	Base dimensions							
						f. screws		
	m1	m2	n1	n2	n3	s1	s2	w
50-32-125	100	70	190	140	110	M12	M12	285
50-32-160	100	70	240	190				285
50-32-200	100	70	240	190				285
50-32-250	125	95	320	250				370
65-40-125	100	70	210	160	110	M12	M12	285
65-40-160	100	70	240	190				285
65-40-200	100	70	265	212				285
65-40-250	125	95	320	250				370
65-40-315	125	95	345	280				370
80-50-125	100	70	240	190	110	M12	M12	285
80-50-160	100	70	265	212				285
80-50-200	100	70	265	212				285
80-50-250	125	95	320	250				370
80-50-315	160	95	345	280				370
100-65-125	125	95	280	212	110	M12	M12	285
100-65-160	125	95	280	212		M12		370
100-65-200	125	95	320	250		M12		370
100-65-250	160	120	360	280		M16		370
100-65-315	160	120	400	315		M16		370
125-80-160	125	95	320	250	110	M12	M12	370
125-80-200	125	95	345	250		M12		
125-80-250	160	120	400	315		M16		
125-80-315	160	120	400	315		M16		
125-100-200	160	120	360	280	110	M16	M12	370
125-100-250	160	120	400	315				
125-100-315	160	120	400	315				
150-125-250	160	120	400	315	110	M16	M12	370
200-150-250	200	150	500	400	110	M16	M12	370

Dimensions of pump head / bearing support assembly



Flanges according to DIN 2501			
DN	k	d2	z
32	100	18	4
40	110	18	4
50	125	18	4
65	145	18	4
80	160	18	8
100	180	18	8
125	210	18	8
150	240	22	8
200	295	22	8

Assignment of base plates and couplings

Motor size	80	90S	90L	100L	112M	132S	132M
Power [kW]							
2900 rpm	0,75+1,1	1,5	2,2	3,0	4,0	5,5+7,5	-
1450 rpm	0,55+0,75	1,1	1,5	2,2+3,0	4,0	5,5	7,5
Coupling size							
2900 rpm	H80	H80	H80	H80	H80	H95	-
1450 rpm	H80	H80	H80	H80	H80	H95	H95
Pump / base plate size							
50-32-125	1	1	1	1	1	1	1
50-32-160	-	1	1	1	1	1	1
50-32-200	-	1	1	1	1	1	1
50-32-250	-	2	2	2	2	3	3
65-40-125	-	1	1	1	1	1	1
65-40-160	-	1	1	1	1	1	1
65-40-200	-	1	1	1	1	1	1
65-40-250	-	2	2	2	2	3	3
65-40-315	-	2	2	2	2	3	3
80-50-125	-	1	1	1	1	1	1
80-50-160	-	1	1	1	1	1	1
80-50-200	-	1	1	1	1	1	1
80-50-250	-	2	2	2	2	3	3
80-50-315	-	2	2	2	2	3	3
100-65-125	-	1	1	1	1	1	1
100-65-160	-	1	1	1	1	3	3
100-65-200	-	2	2	2	2	3	3
100-65-250	-	-	-	3	3	3	3
100-65-315	-	-	-	4	4	4	4
125-80-160	-	2	2	3	3	3	3
125-80-200	-	-	-	3	3	3	3
125-80-250	-	-	-	4	4	4	4
125-80-315	-	-	-	4	4	4	4
125-100-200	-	-	-	-	-	4	4
125-100-250	-	-	-	-	-	-	-
125-100-315	-	-	-	-	-	-	-
150-125-250	-	-	-	-	-	-	-
200-150-250	-	-	-	-	-	-	-

Other motor sizes on request

Assignment of base plates and couplings

Motor size	160M	160L	180M	180L	200L	225S	225M
Power [kW]							
2900 rpm	11,0+15,0	18,5	22,0	-	30,0+37,0	-	45,0
1450 rpm	11,0	15,0	18,5	22,0	30,0	37,0	45,0
Coupling size							
2900 rpm	H95	H95	H110	-	H125	-	H125
1450 rpm	H95	H110	H110	H125	H125	H140	H140
Pump / base plate size							
50-32-125	-	-	-	-	-	-	-
50-32-160	3	-	-	-	-	-	-
50-32-200	3	3	-	-	-	-	-
50-32-250	3	3	5	5	5	-	-
65-40-125	-	-	-	-	-	-	-
65-40-160	3	3	-	-	-	-	-
65-40-200	3	3	3	3	-	-	-
65-40-250	3	3	5	5	5	-	-
65-40-315	3	3	3	5	5	7	-
80-50-125	3	3	-	-	-	-	-
80-50-160	3	3	3	3	-	-	-
80-50-200	3	3	3	3	5	-	-
80-50-250	3	3	5	5	5	7	-
80-50-315	3	3	5	5	5	7	-
100-65-125	3	3	3	3	-	-	-
100-65-160	3	3	3	5	5	-	-
100-65-200	5	5	5	5	5	7	-
100-65-250	5	5	5	5	5	7	-
100-65-315	5	5	5	5	7	7	-
125-80-160	5	5	5	5	7	7	7
125-80-200	5	5	5	5	7	7	7
125-80-250	5	5	5	5	7	7	7
125-80-315	5	5	5	5	7	7	7
125-100-200	5	5	5	-	-	-	-
125-100-250	5	5	5	5	-	-	-
125-100-315	-	-	5	5	7	7	7
150-125-250	5	5	7	7	-	-	-
200-150-250	7	7	7	7	7	-	-

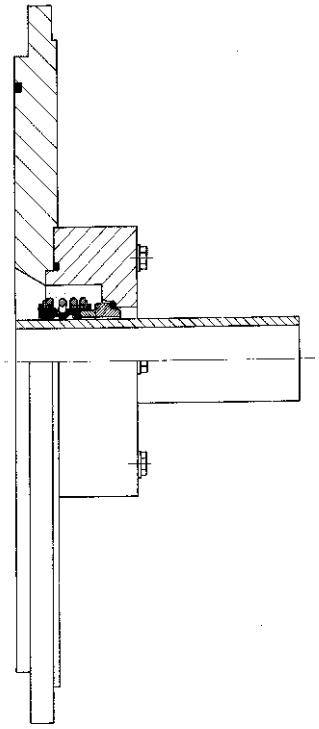
Other motor sizes on request

Mechanical seals

General
Mechanical seals basically consist of two perfectly plane surfaces. One surface rotates with the shaft, while the other one is stationary. The sealing effect is achieved by the direct contact between the two plance surfaces. The stationary counter-ring is normally fixed in position.

The sliding ring is able to move axially and radially in order to compensate the shaft deflections during operation. This axial mobility enables mechanical seals to be fitted within practicable manufacturing tolerances, the accuracy required being dependent on the design of the seal.

Type B2I

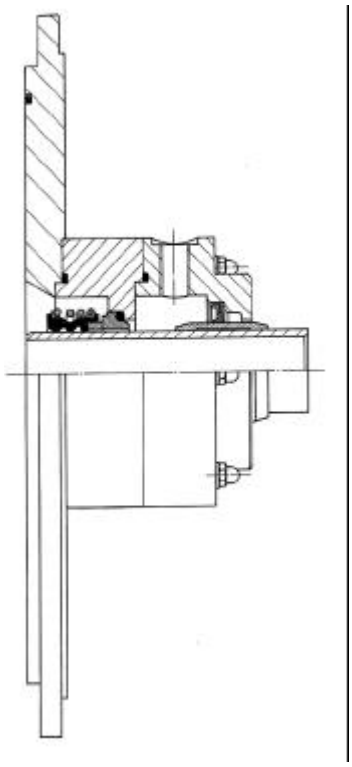


Single-acting, loaded, internal seal, independent of direction of rotation.

Combination of sliding materials in silicon carbide (SiC). Bellows and secondary seals of EPDM and FPM. Metallic parts of stainless steel or Hastelloy C-4.

Suitable for application with neutral and aggressive media which do not crystallize out and are free from solid matter.

Type B2Q



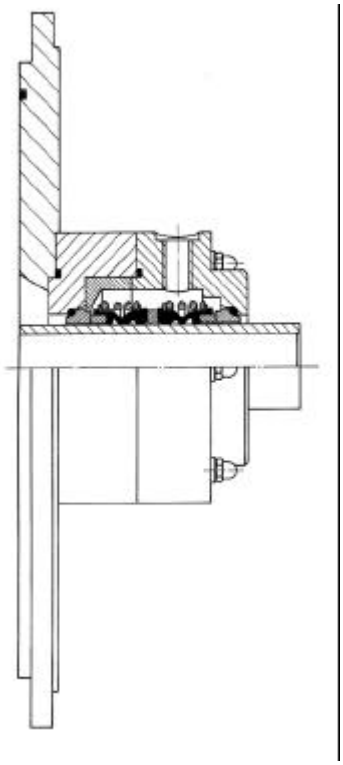
Single-acting, loaded, internal seal, independent of direction of rotation, with quenching chamber. The quenching chamber is sealed from the atmosphere by a shaft sealing ring to prevent deposits and/or reduction of the temperature in the area of the mechanical seal.

Combination of sliding materials in silicon carbide (SiC). Bellows and secondary seals of EPDM and FPM. Metallic parts of stainless steel or Hastelloy C-4.

Suitable for application with aggressive media tending to crystallize out.

Function of quending:
- Prevention of crystallizing rings (air seals)
- Absorption of leakage
- Cooling of sliding rings
- Monitoring of leakage rate
- Lubricating film stabilization during vacuum operation

Type B2D



Double-acting, loaded, internal seal, independent fo direction of rotation, arranged back-to-back with sealing chamber. This arrangement is the most usual form of double-acting seals used for difficult, chemically particularly aggressive media.

Combination of sliding materials in silicon carbide (SiC). Bellows and secondary seals of EPDM and FPM. Metallic parts of stainless steel.

Suitable for application with aggressive and abrasive media.

Function of sealing:
- Prevention of contact between pumped liquid and atmosphere
- Formatin of lubricating film between the sliding rings
- Cooling of sliding rings
- Monitoring of leakage rate

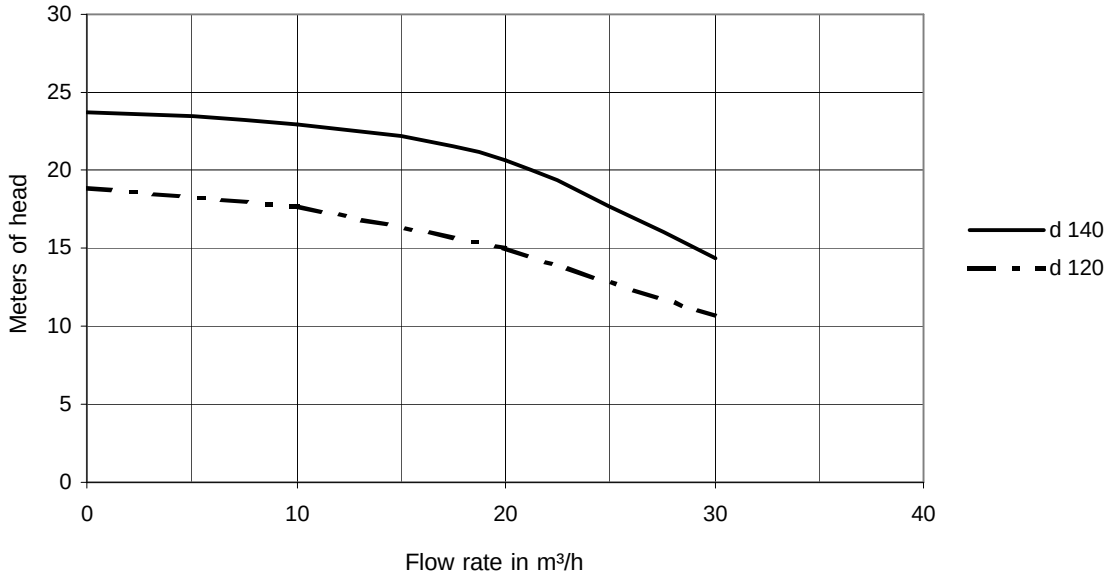
Performance curves

The following diagrams show the Q-H curves in dependence of the impeller diameter as well as the power consumption in kW, the effeciency and the NPSH value (only for nominal speed of 2900 min-1).
Flow rate and efficiency guarantees according to DIN 1944.

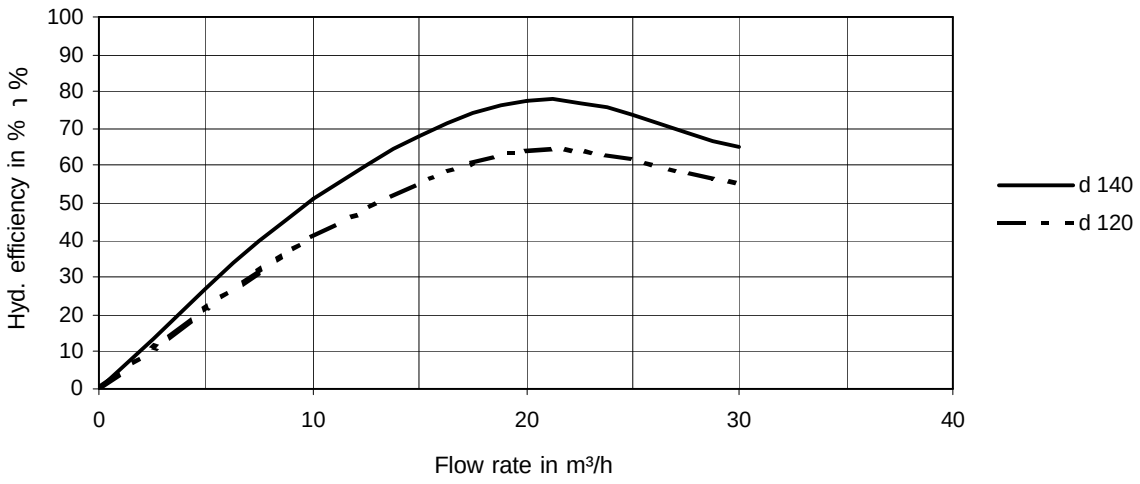
Type N 50 - 32 - 125

Motor kW: 2.2
Speed: 2900

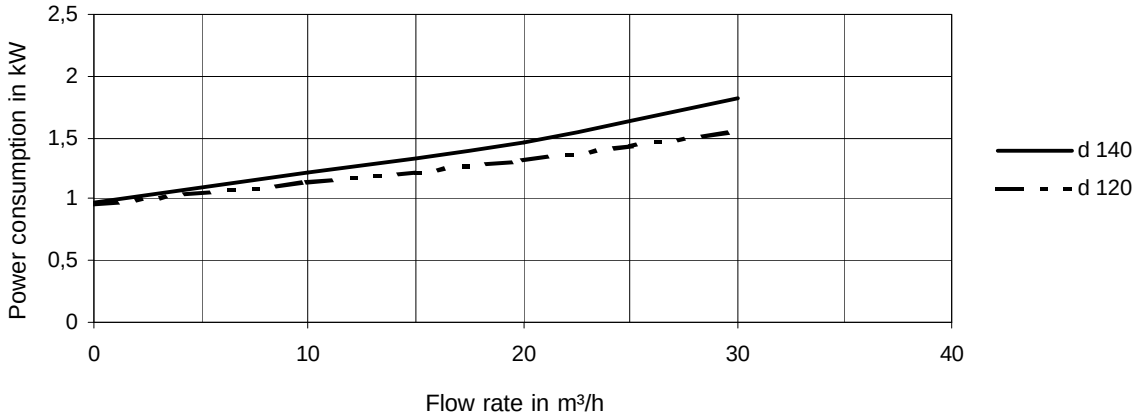
Flow rate



Efficiency

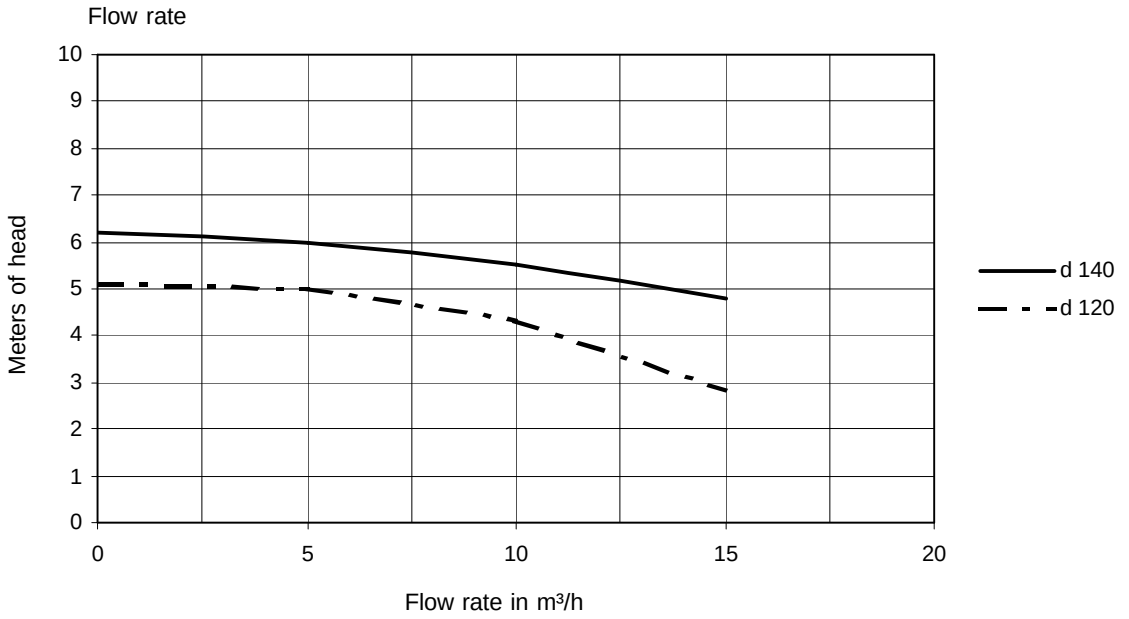


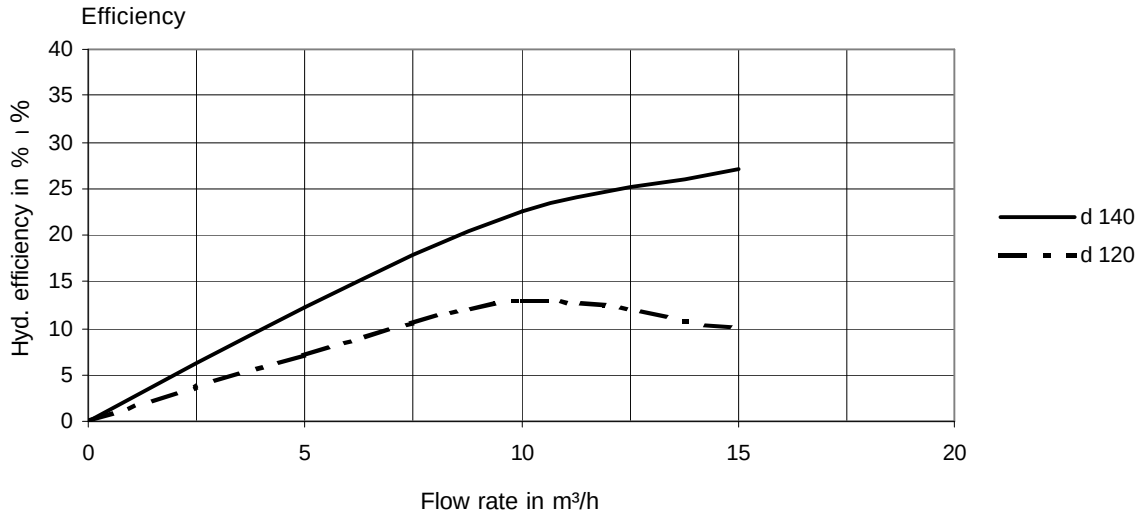
Power consumption

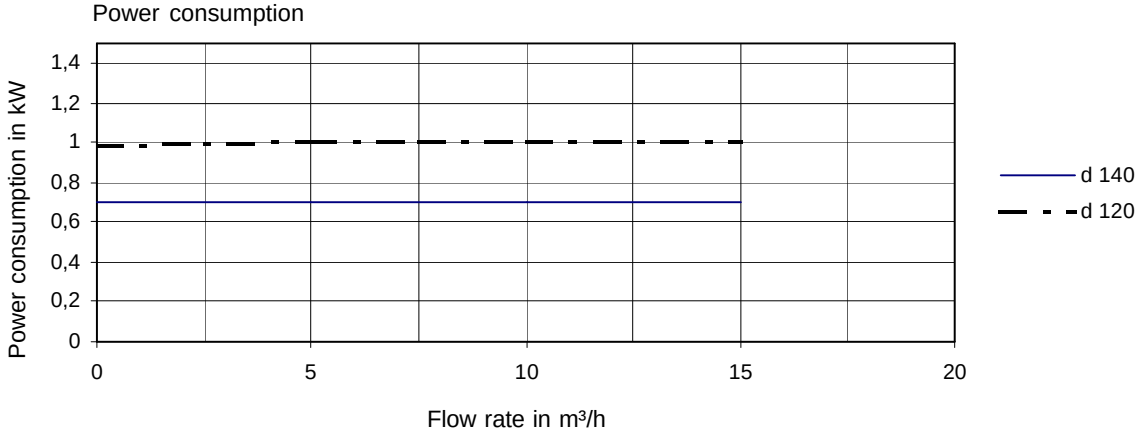


Type N 50 - 32 - 125

Motor kW: 1,1
Speed: 1450



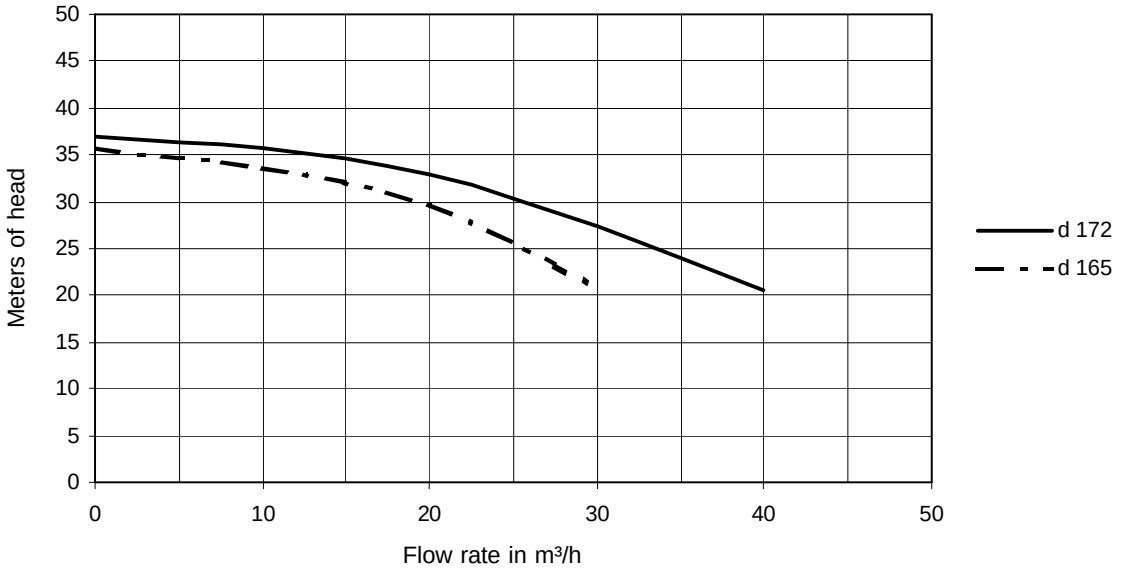




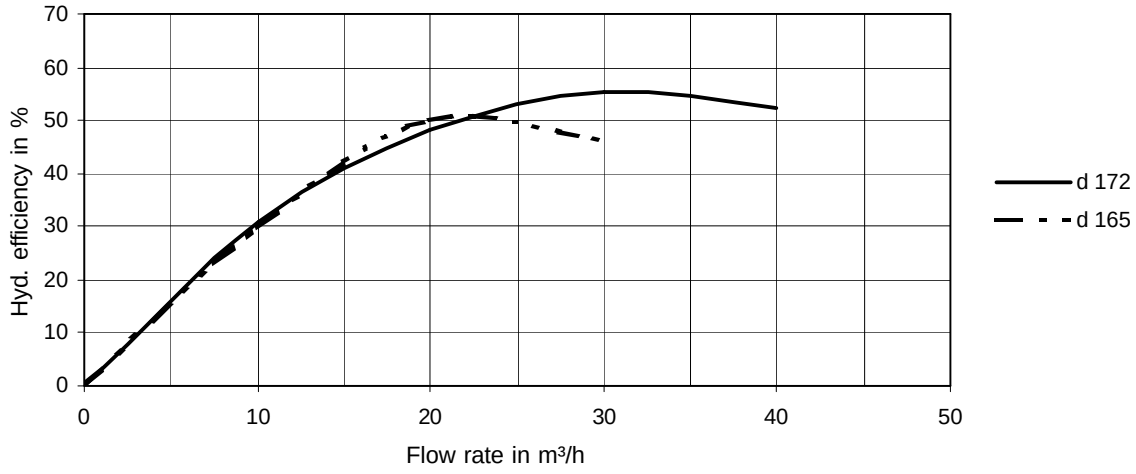
Type N 50 - 32 - 160

Motor kW: 4
Speed: 2900

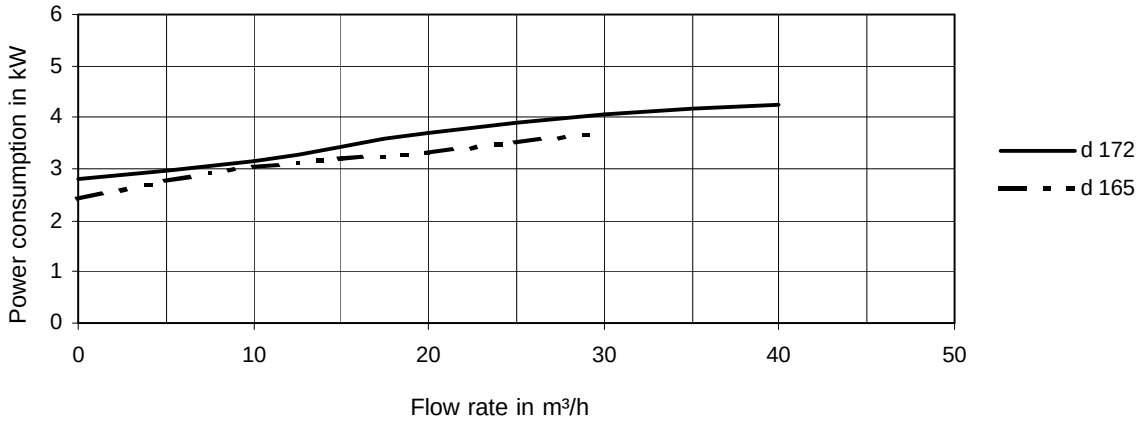
Flow rate



Efficiency



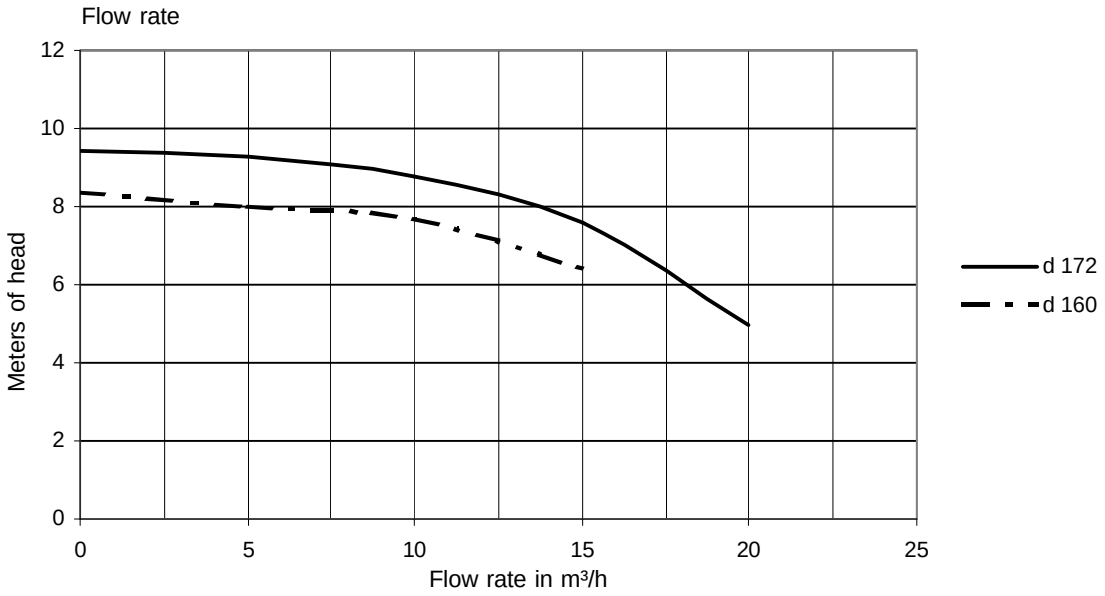
Power consumption

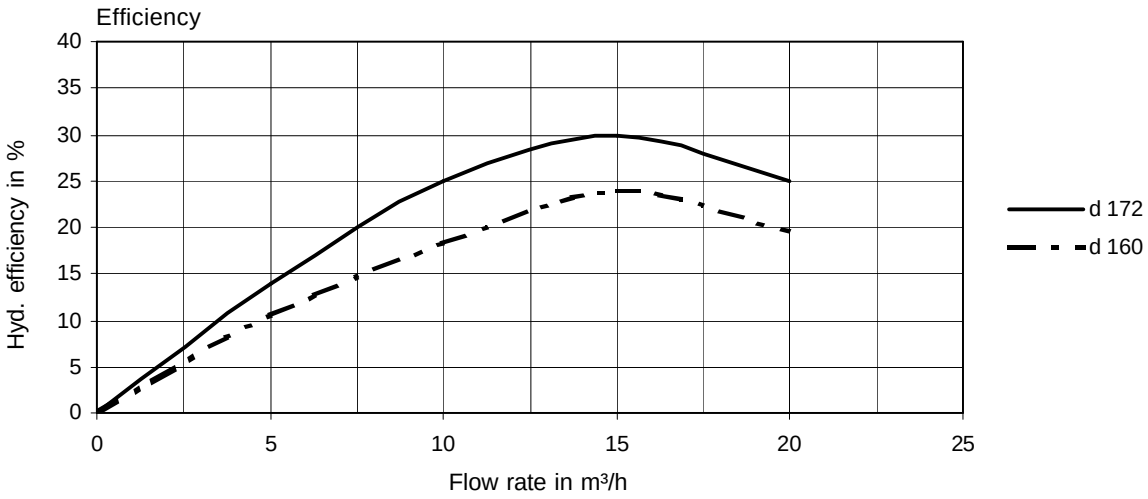


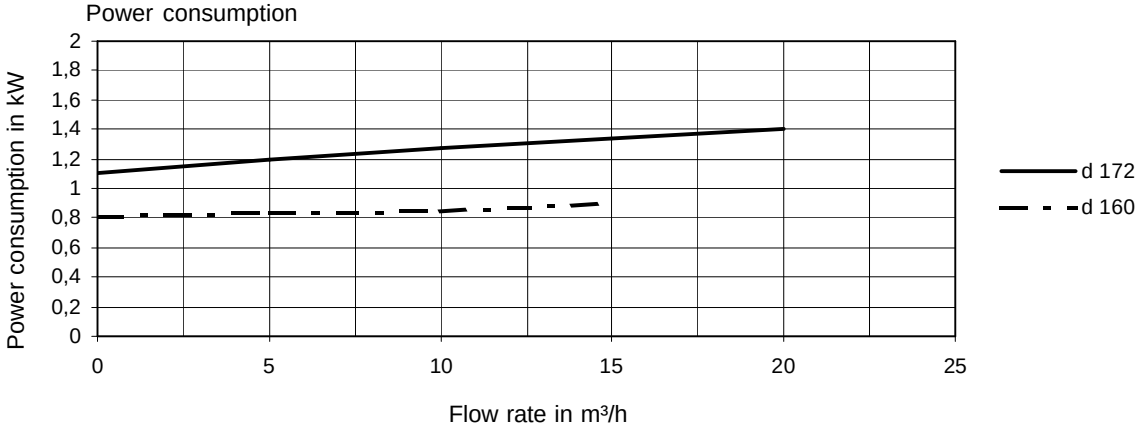
Standard Pump N

Type N 50 - 32 - 160

Motor kW: 1,5
Speed: 1450



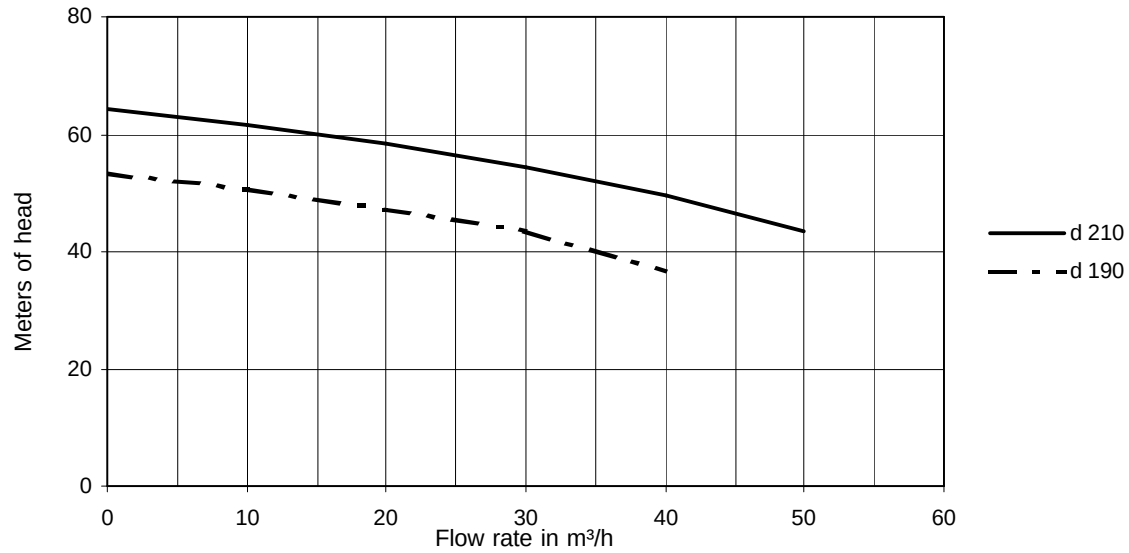




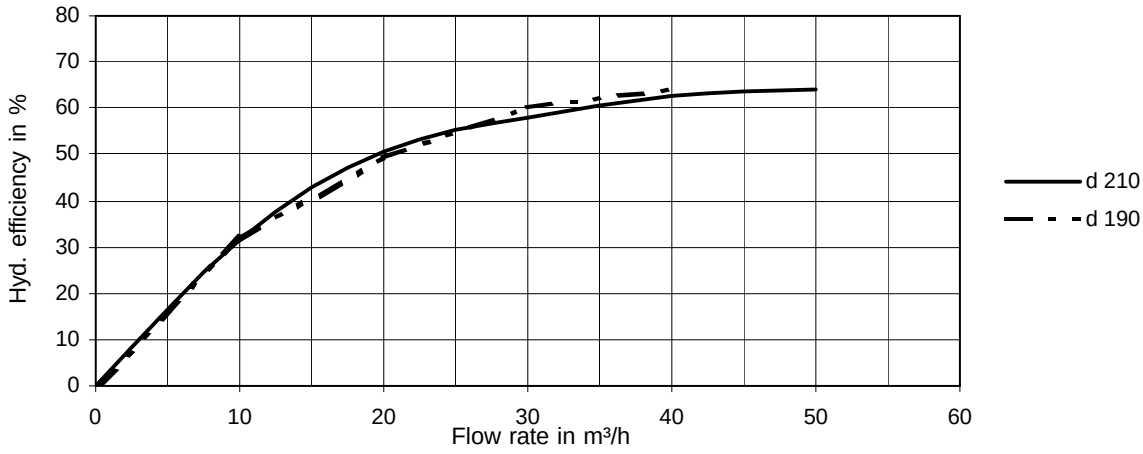
Type N 50 - 32 - 200

Motor kW: 7,5
Speed: 2900

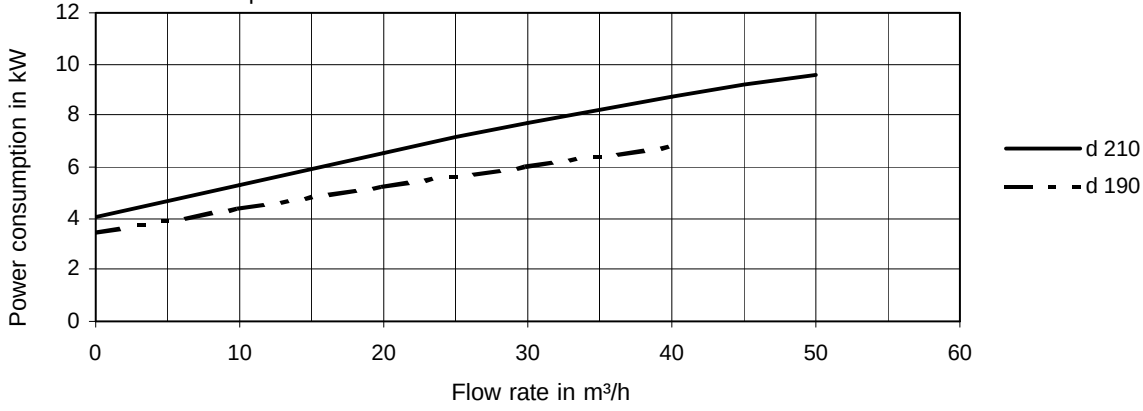
Flow rate



Efficiency



Power consumption

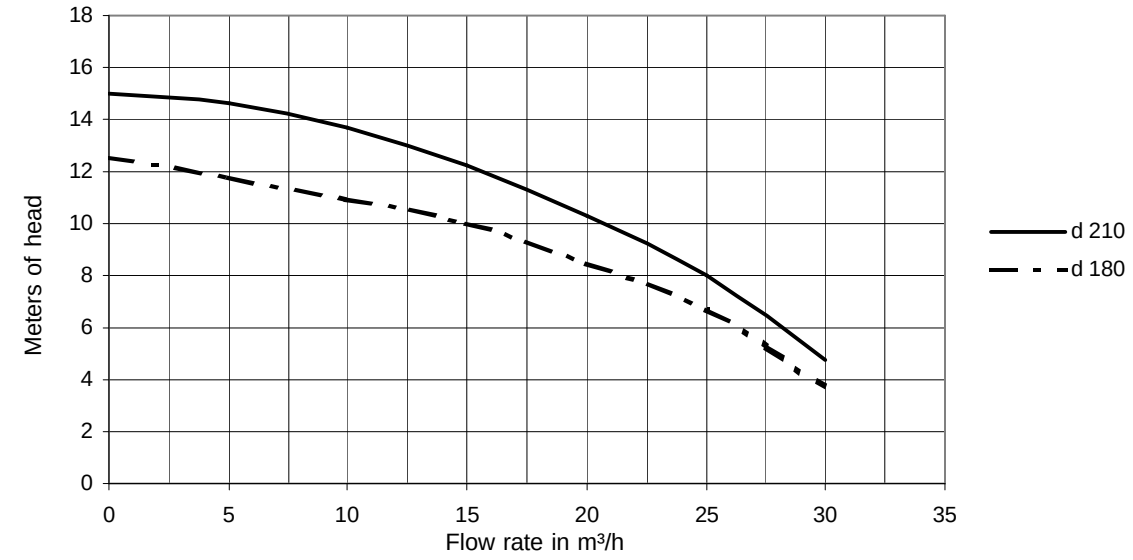


Standard Pump N

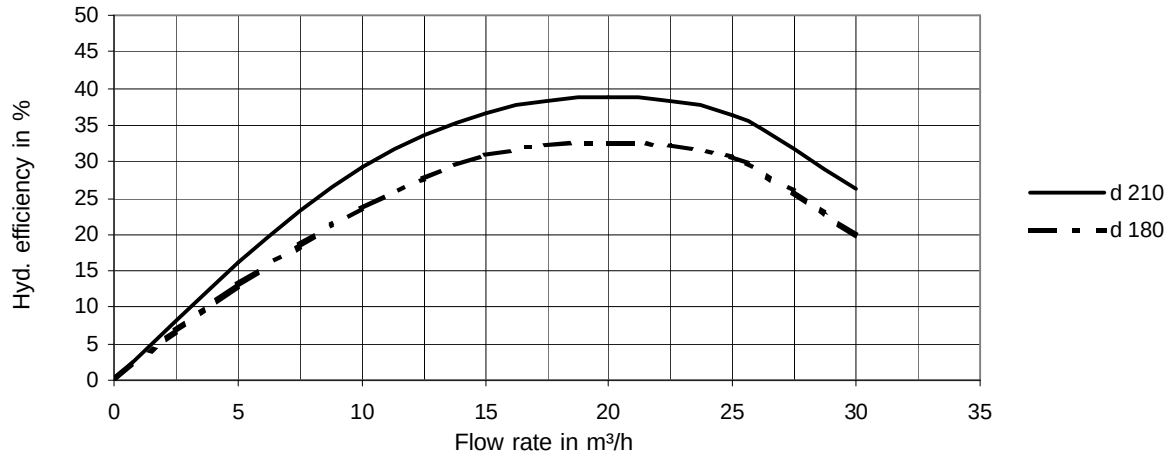
Type N 50 - 32 - 200

Motor kW: 1,5
Speed: 1450

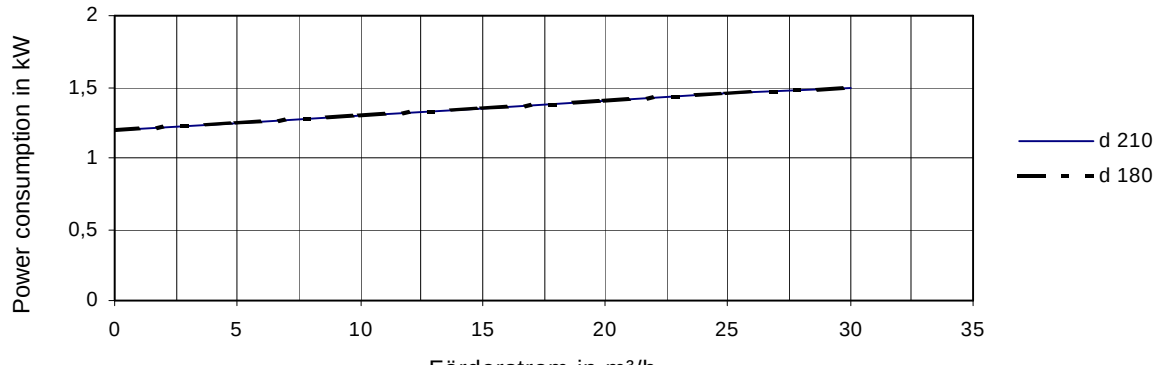
Flow rate



Efficiency



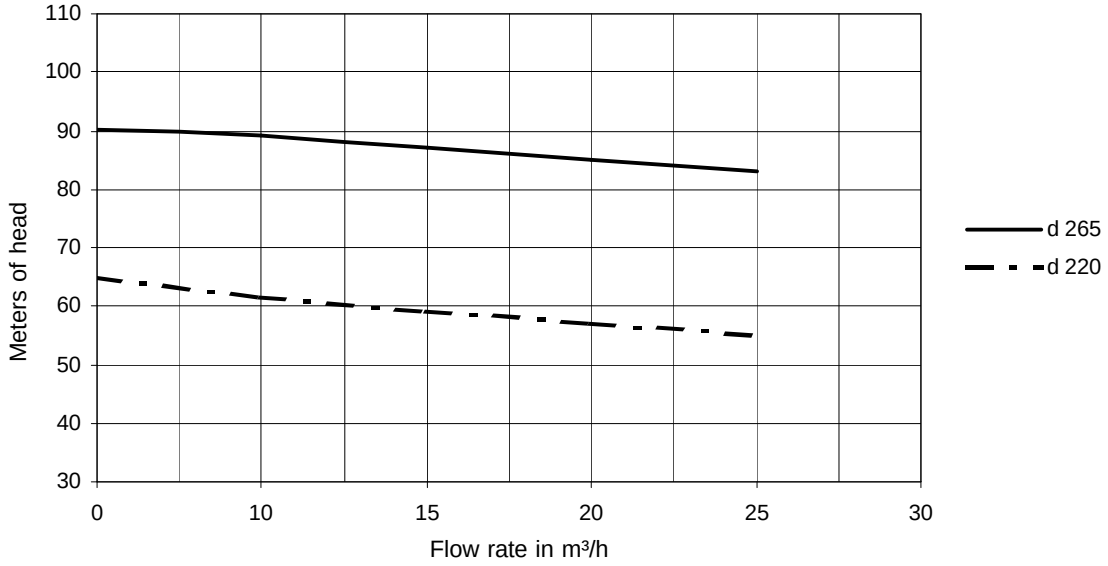
Power consumption



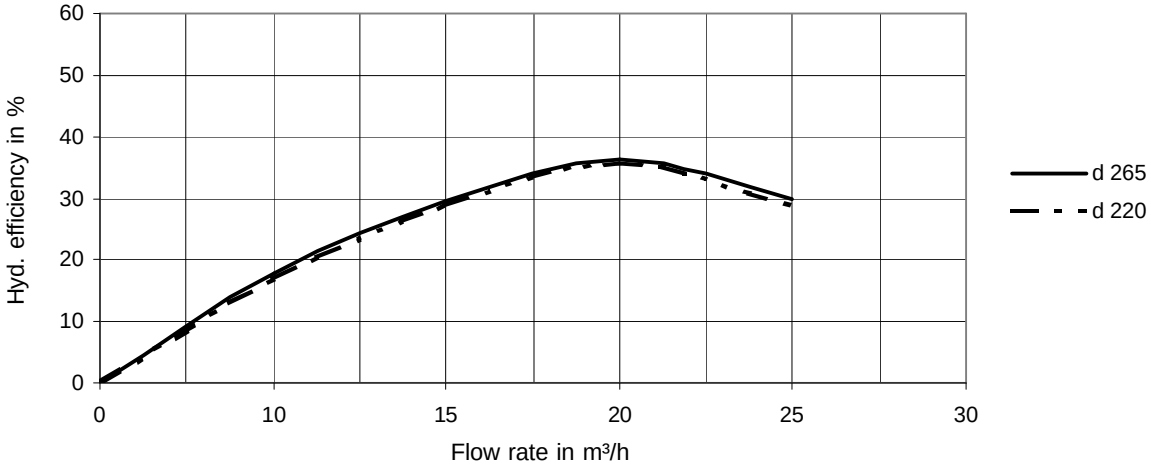
Type N 50 - 32 - 250

Motor kW: 3
Speed: 2900

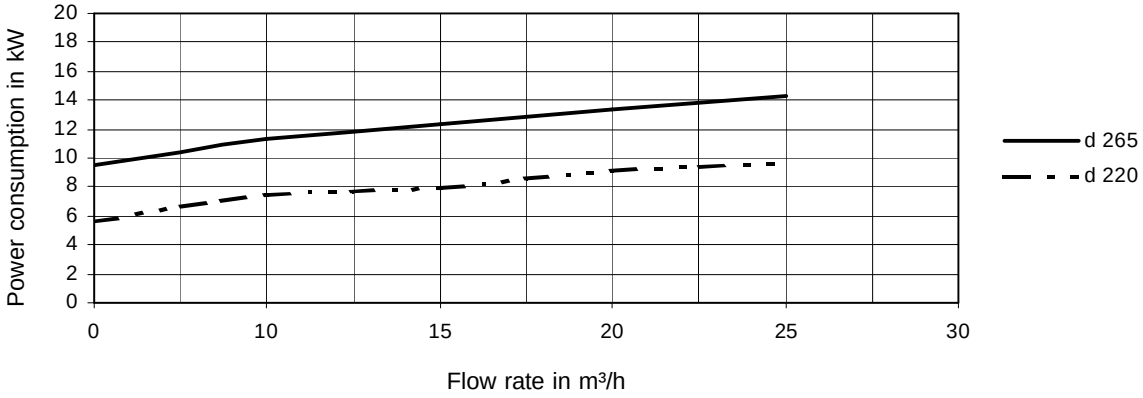
Flow rate



Efficiency

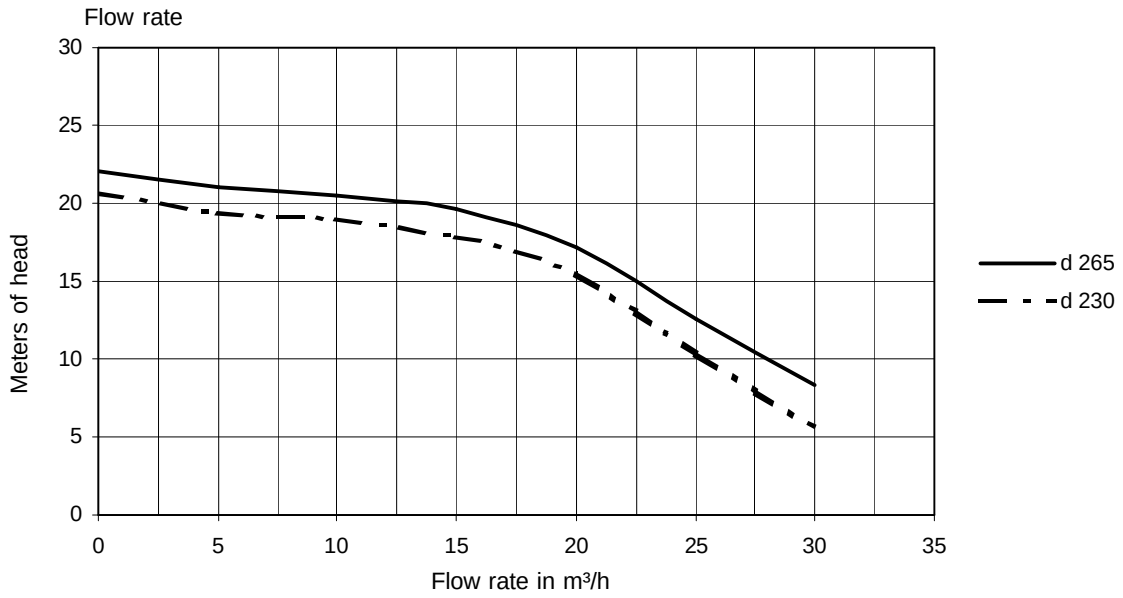


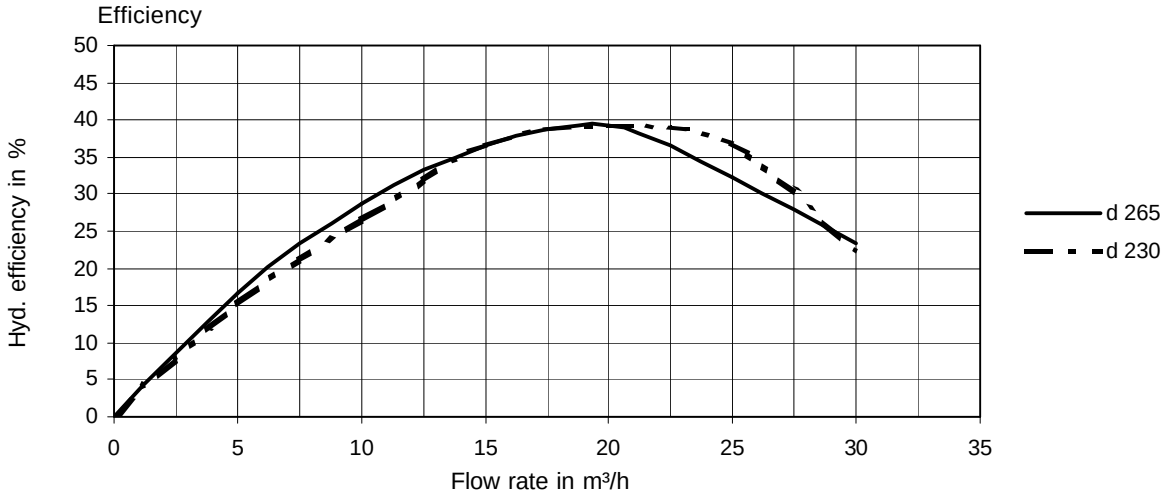
Power consumption

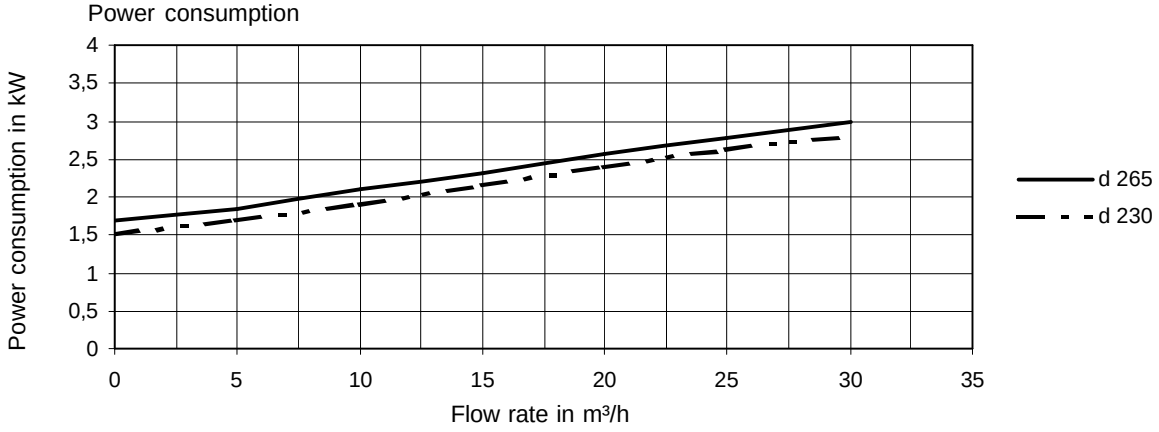


Type N 50 - 32 - 250

Motor kW: 2,2
Speed: 1450



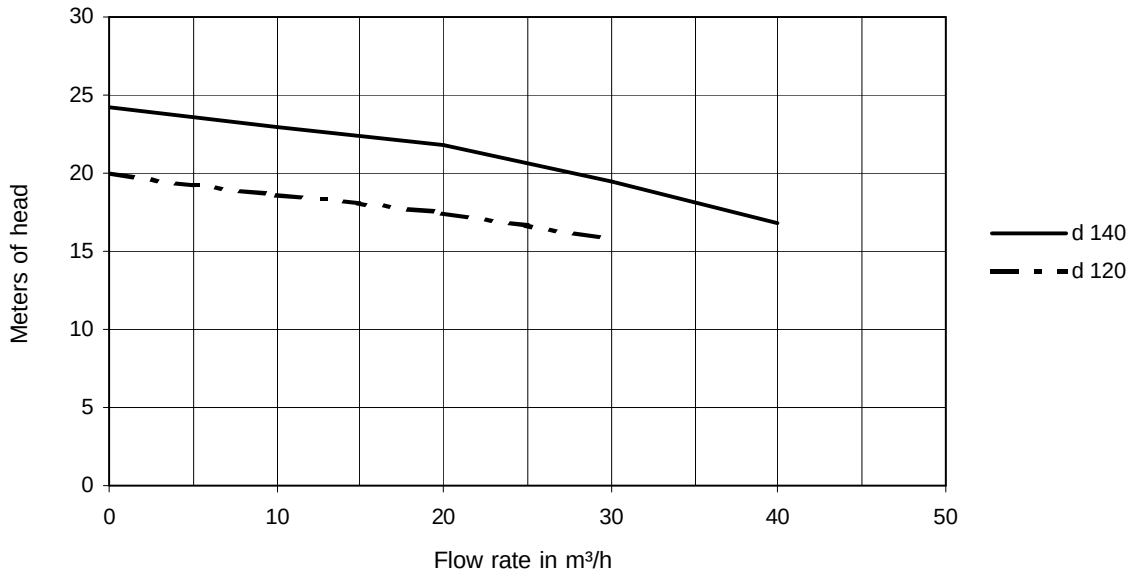




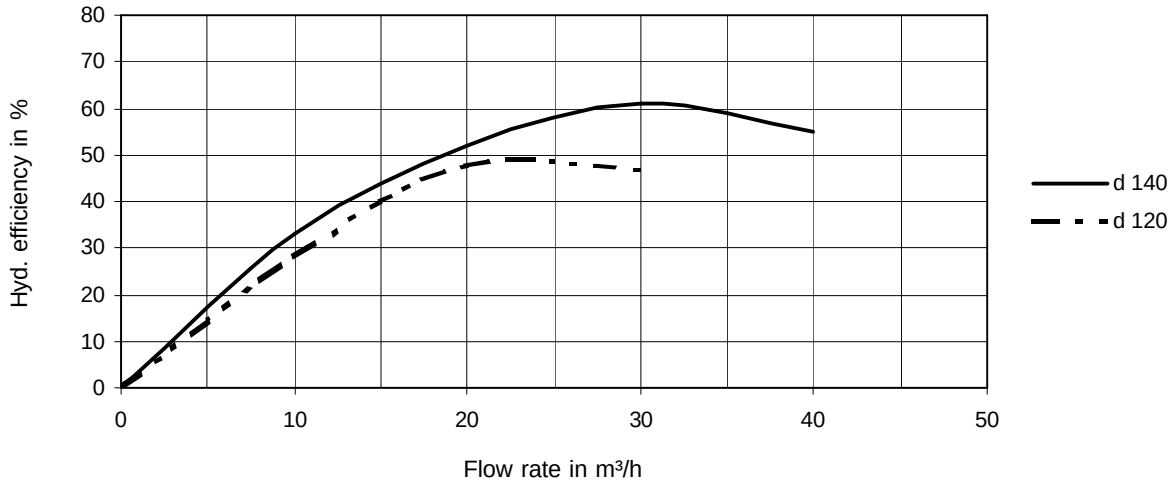
Type N 65 - 40 - 125

Motor kW: 3
Speed: 2900

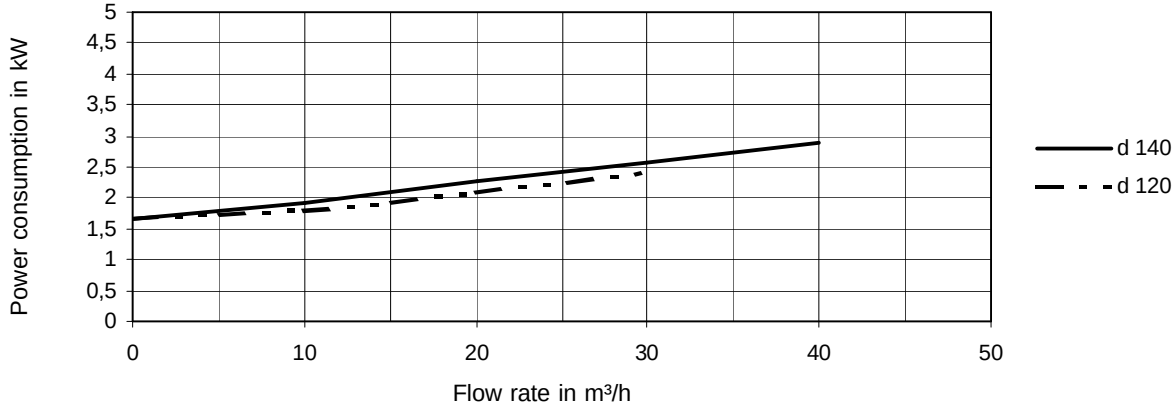
Flow rate



Efficiency

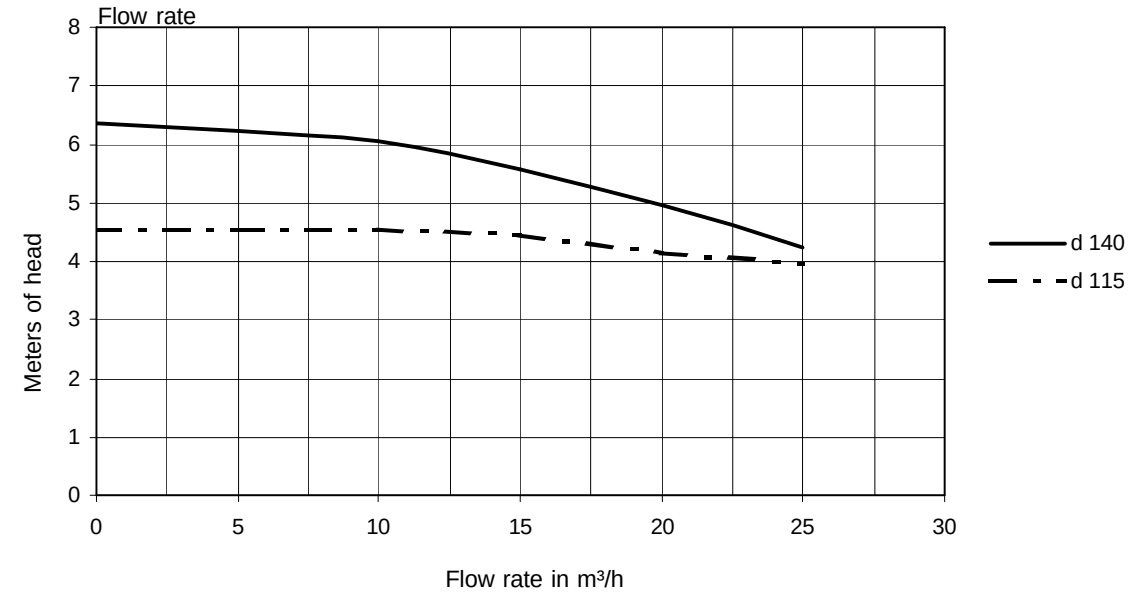


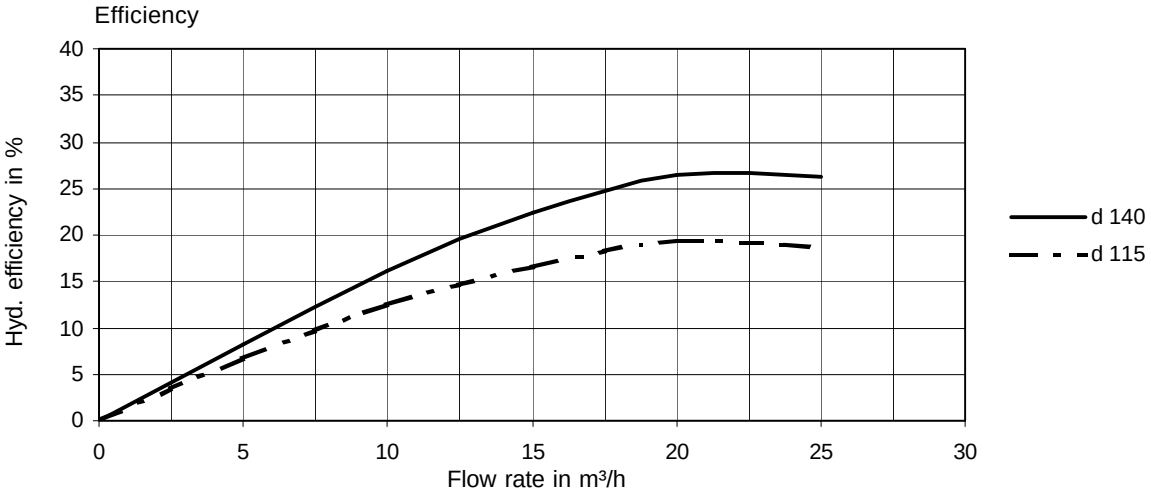
Power consumption

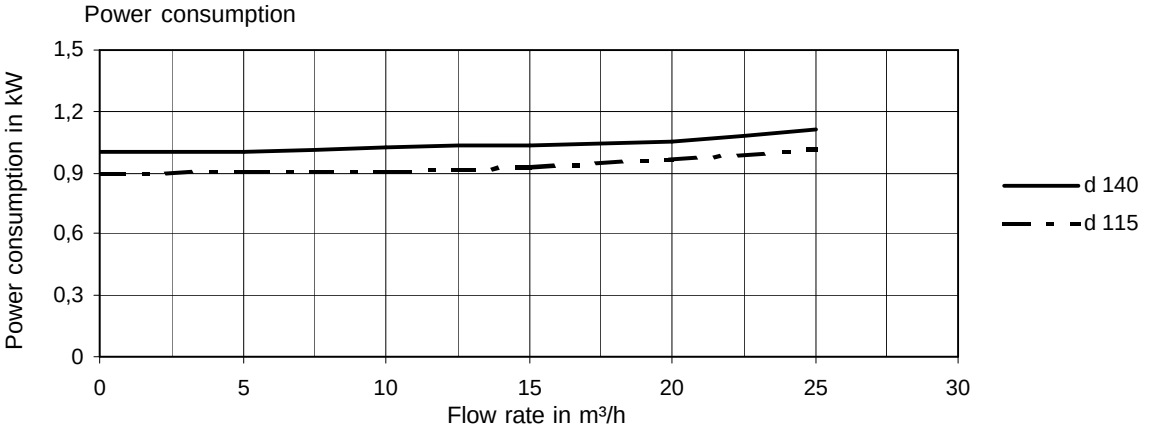


Type N 65 - 40 - 125

Motor kW: 1,5
Speed: 1450

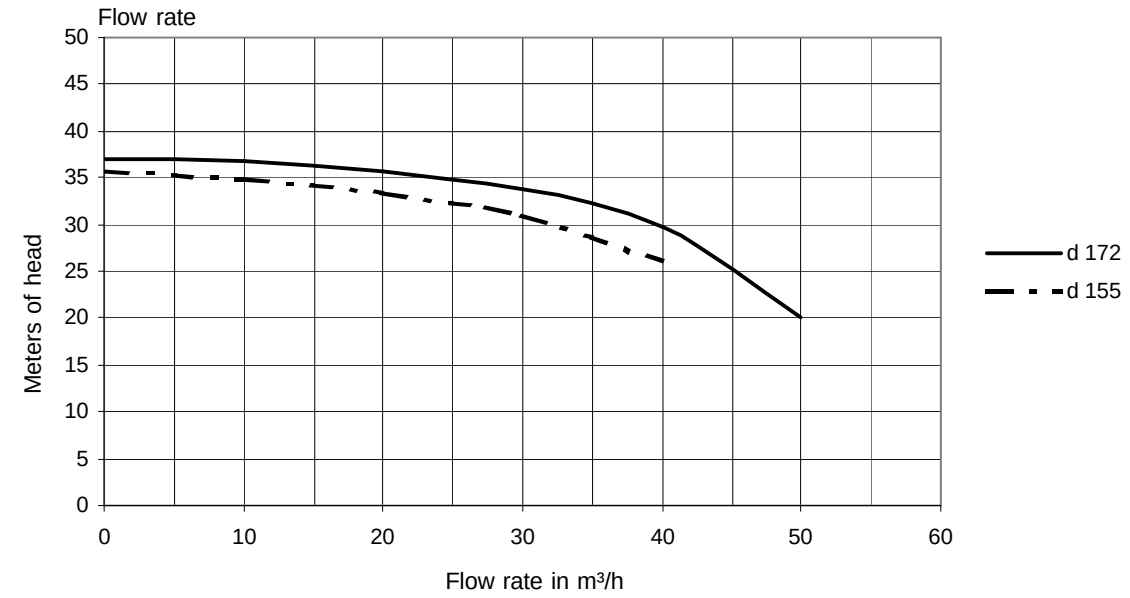


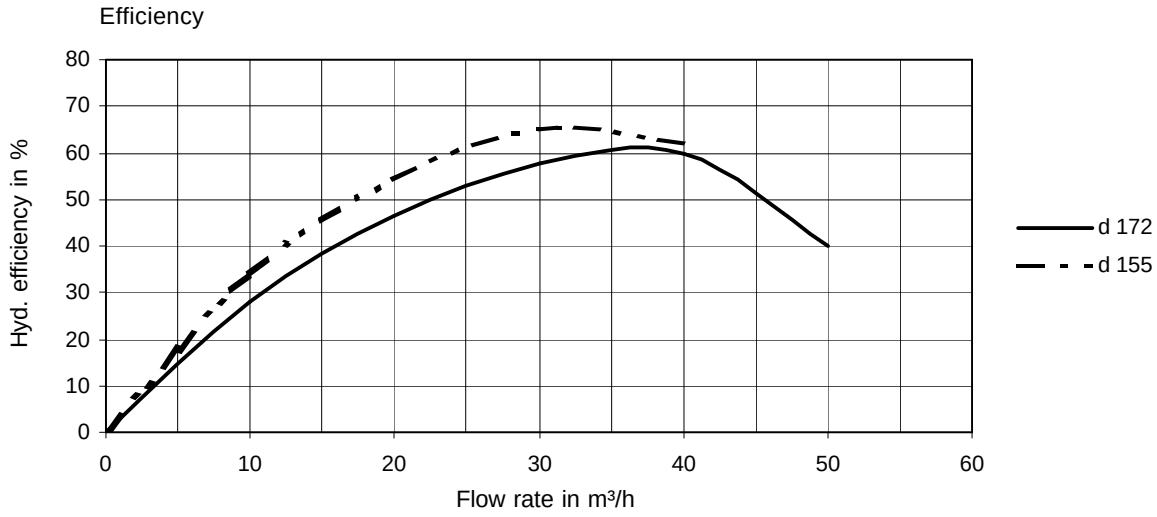


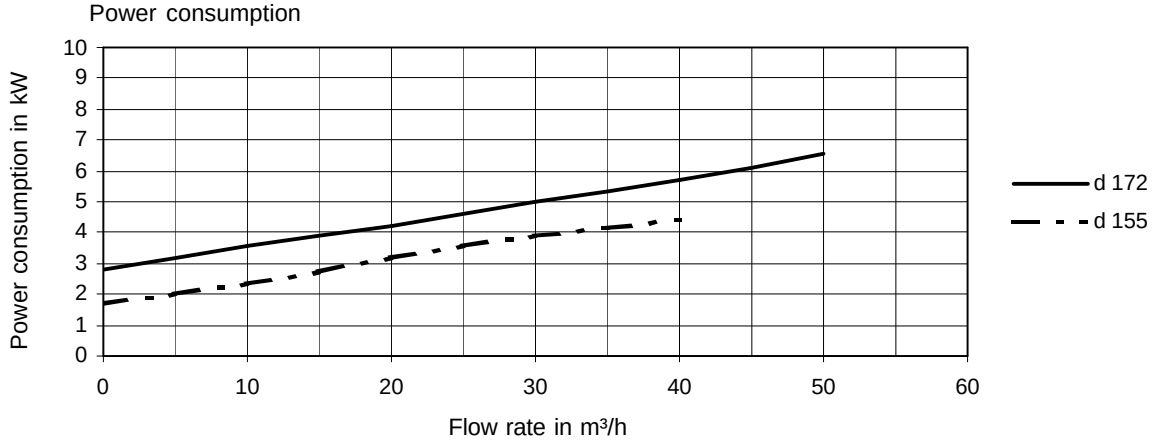


Type N 65 - 40 - 160

Motor kW: 7,5
Speed: 2900

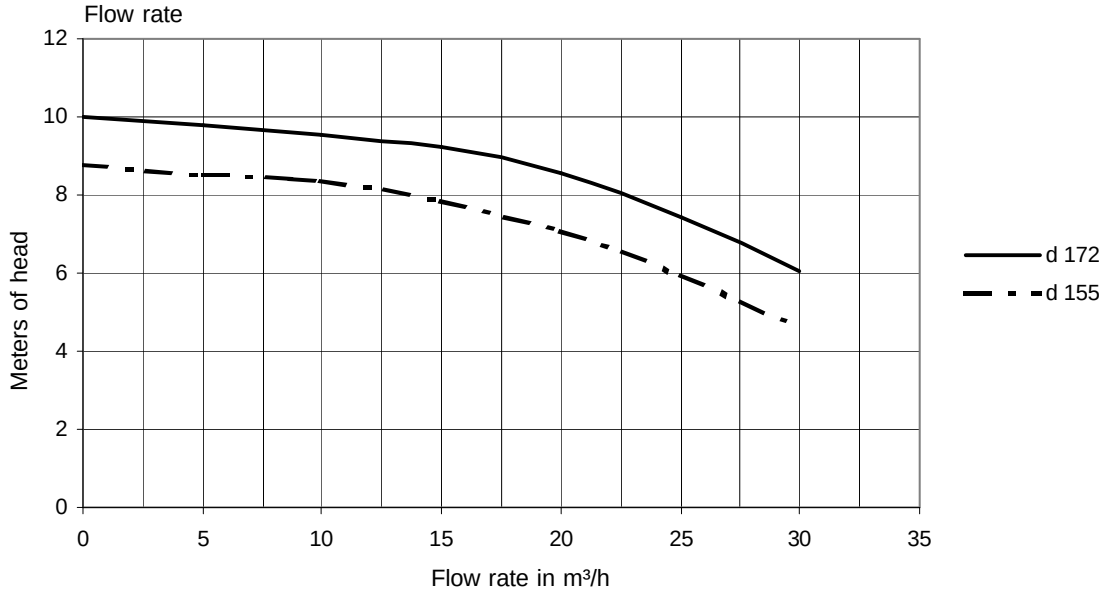


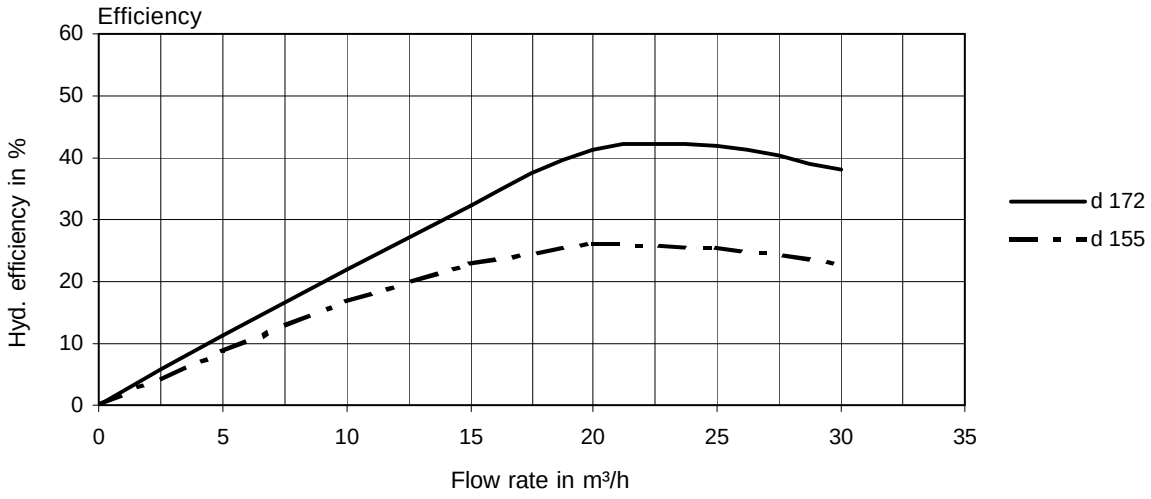


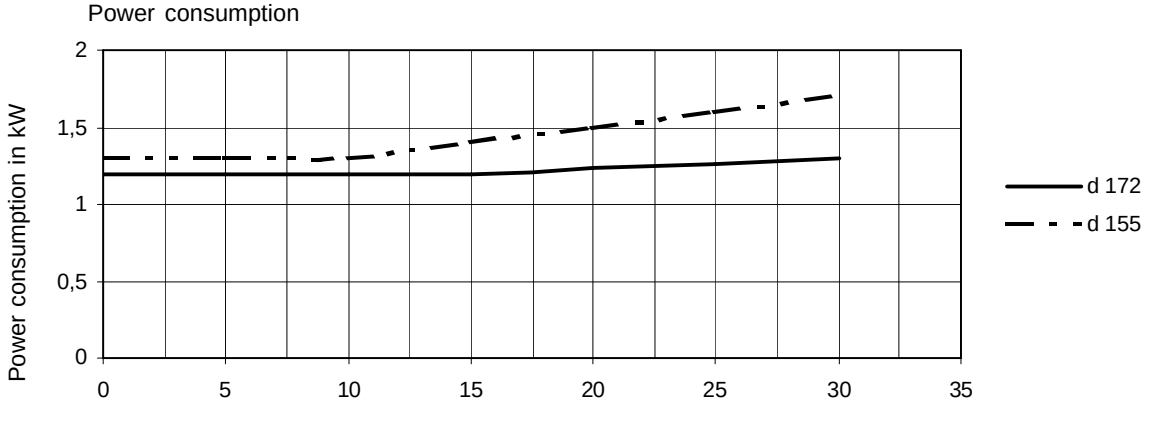


Type N 65 - 40 - 160

Motor kW: 2,2
Speed: 1450

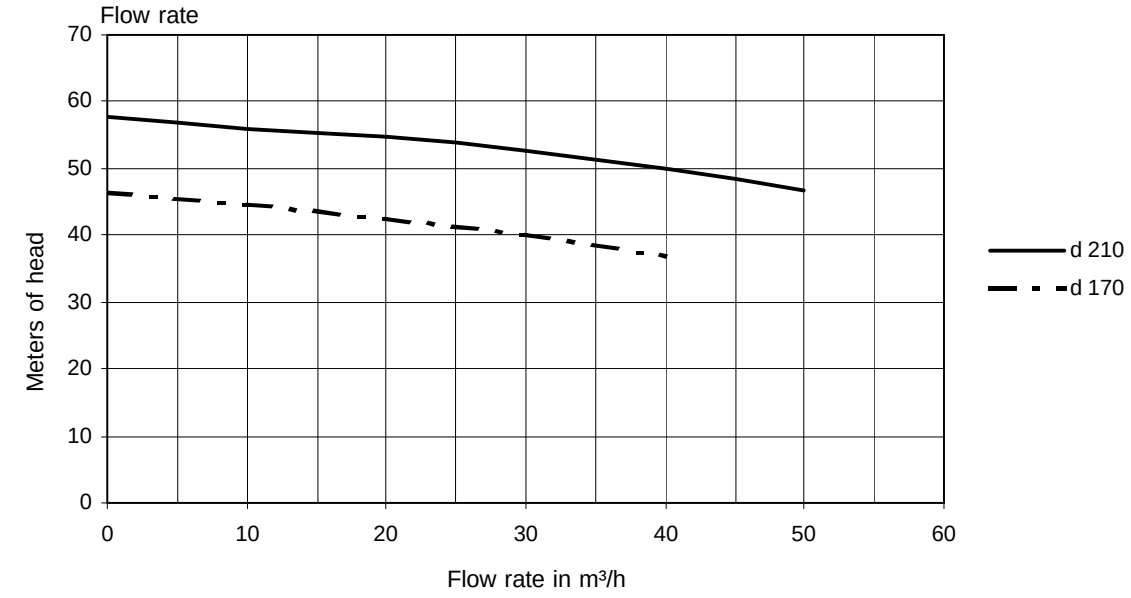


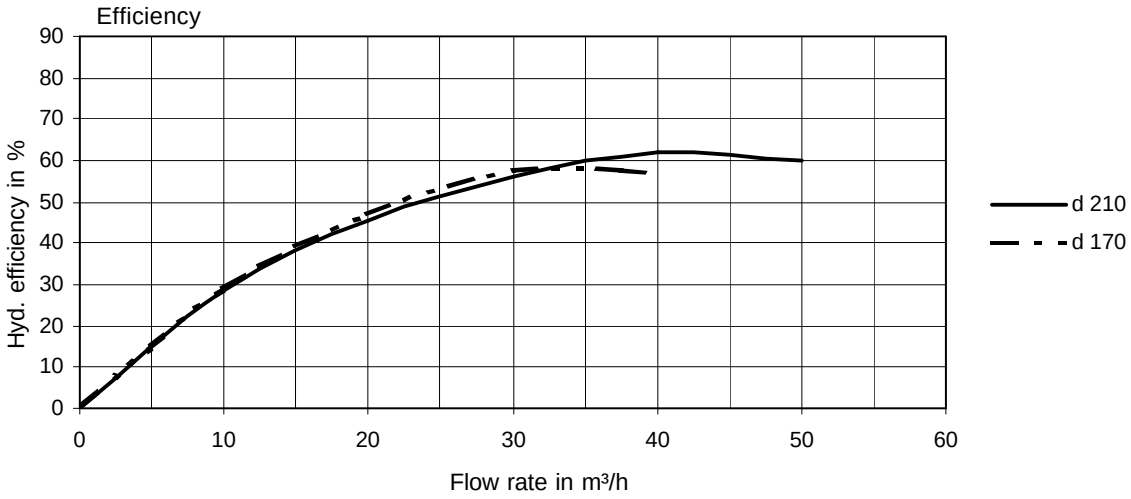


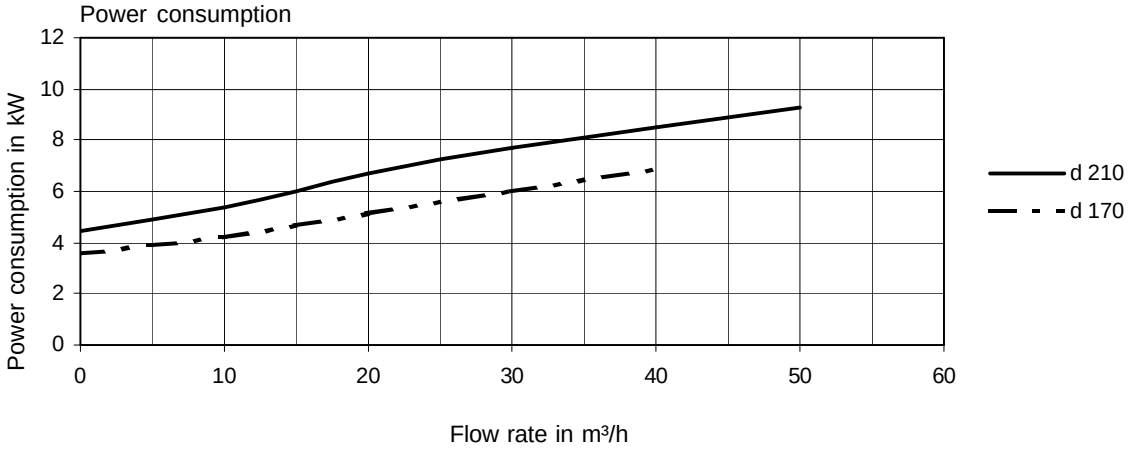


Type N 65 - 40 - 200

Motor kW: 7,5
Speed: 2900

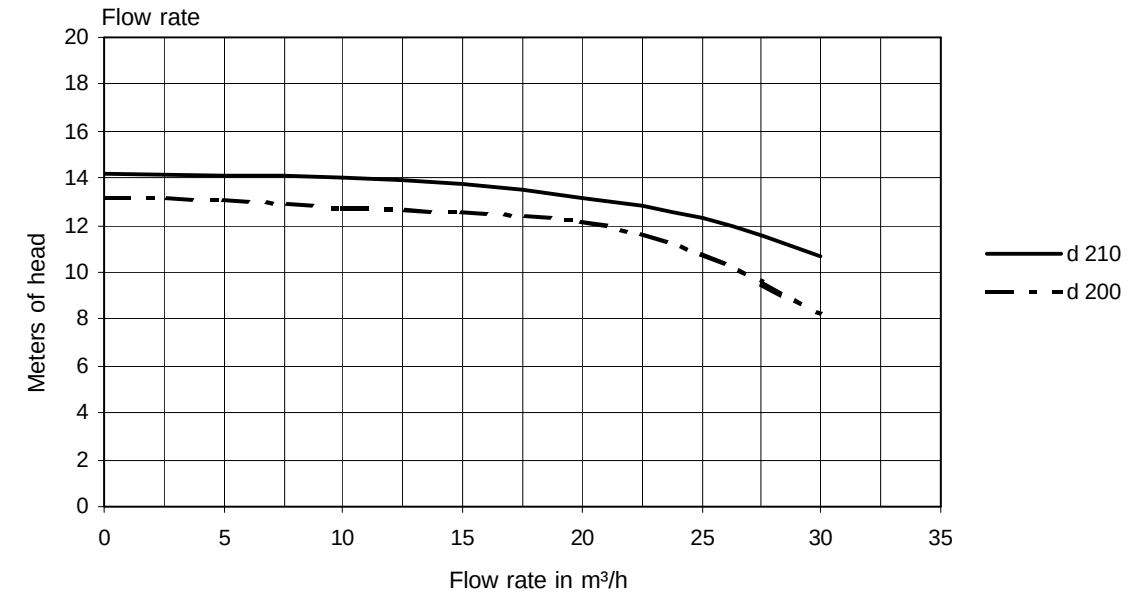


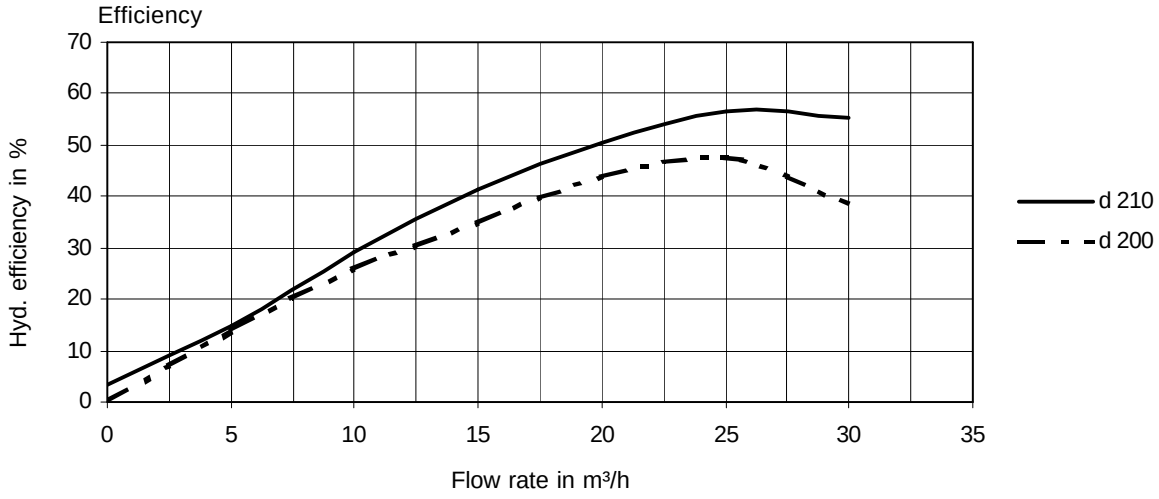


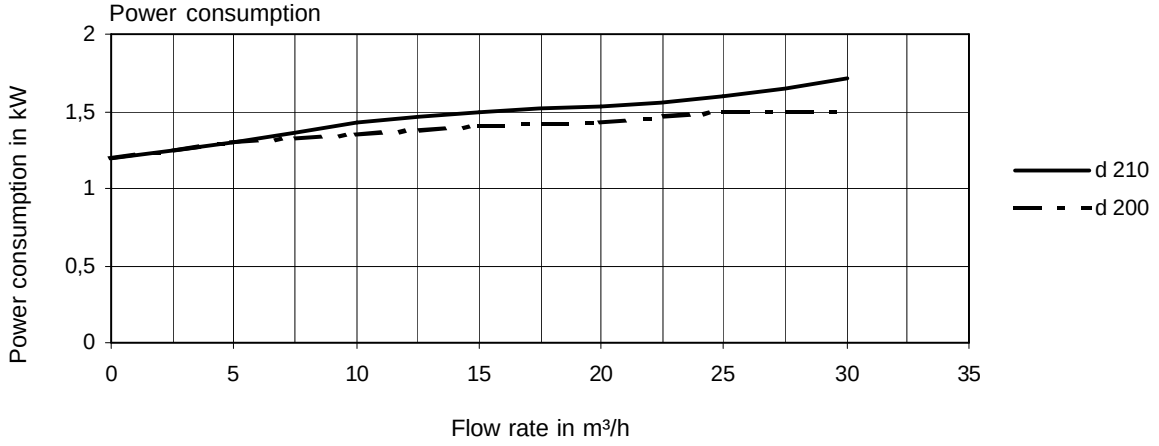


Type N 65 - 40 - 200

Motor kW: 2,5
Speed: 1450

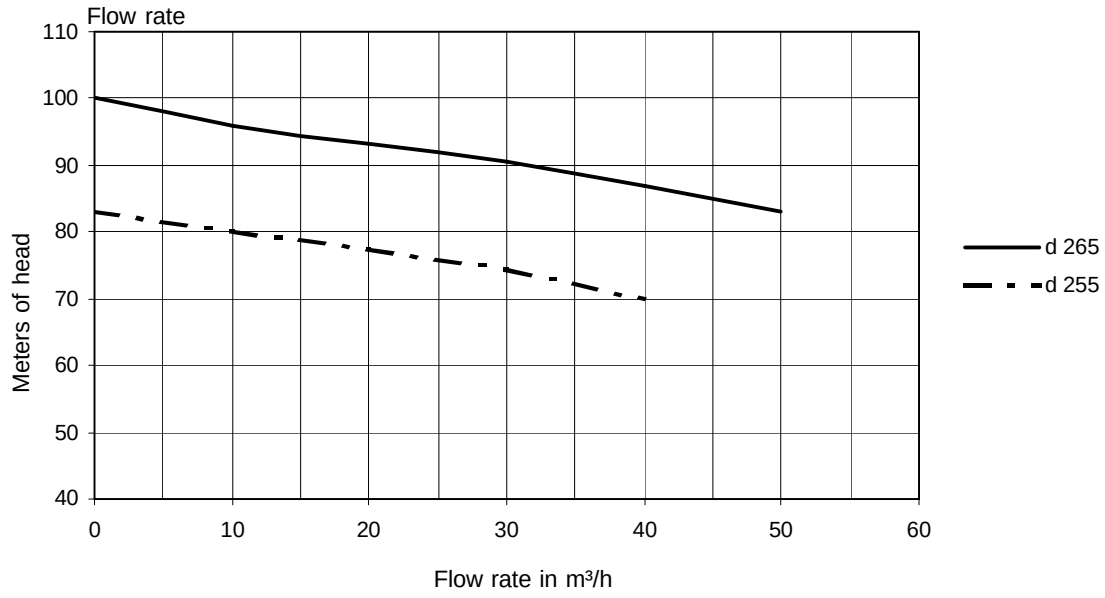


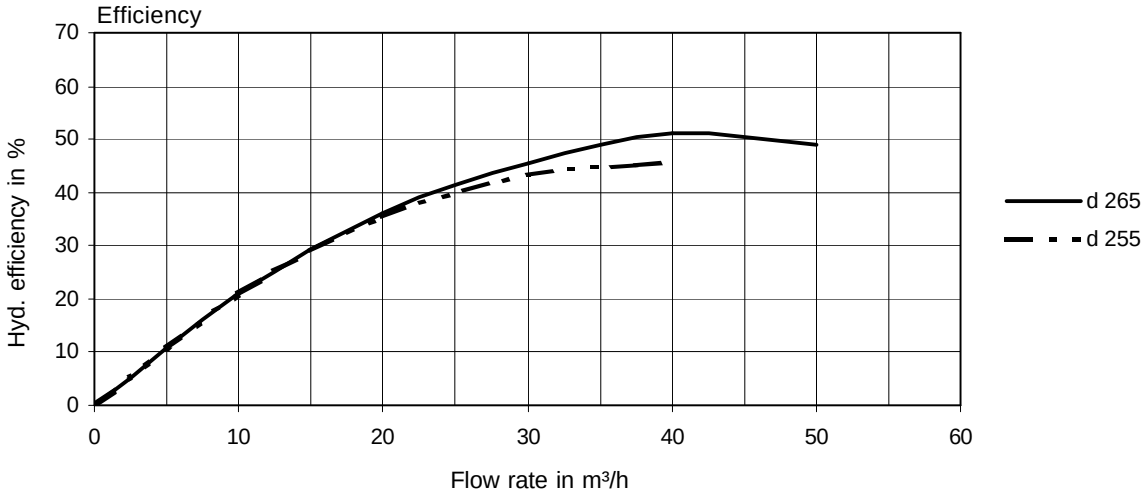


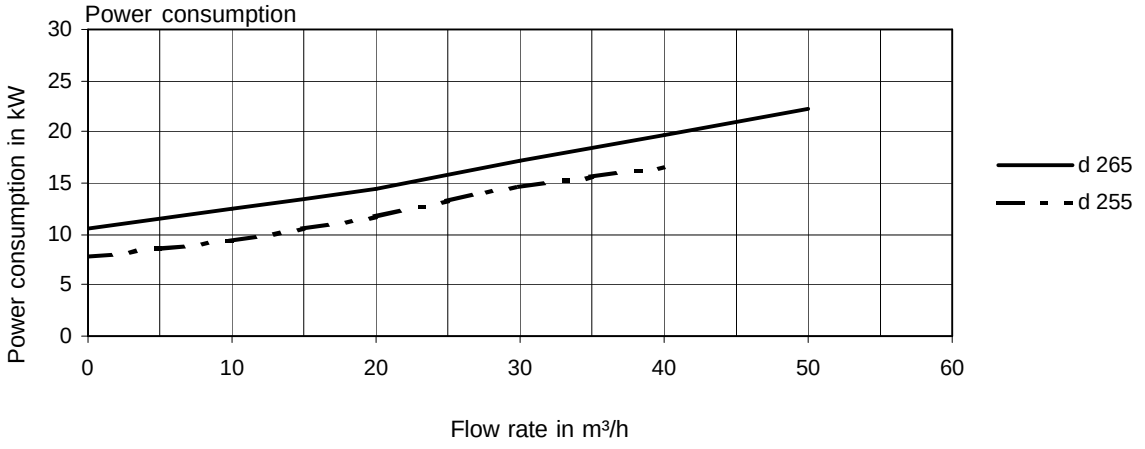


Type N 65 - 40 - 250

Motor kW: 22
Speed: 2900

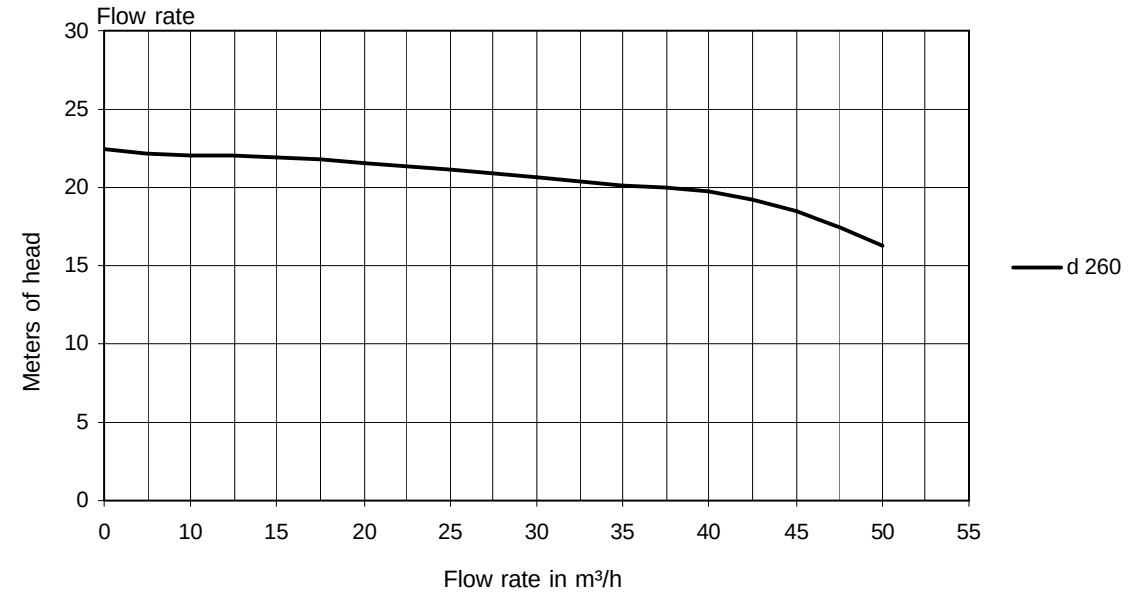


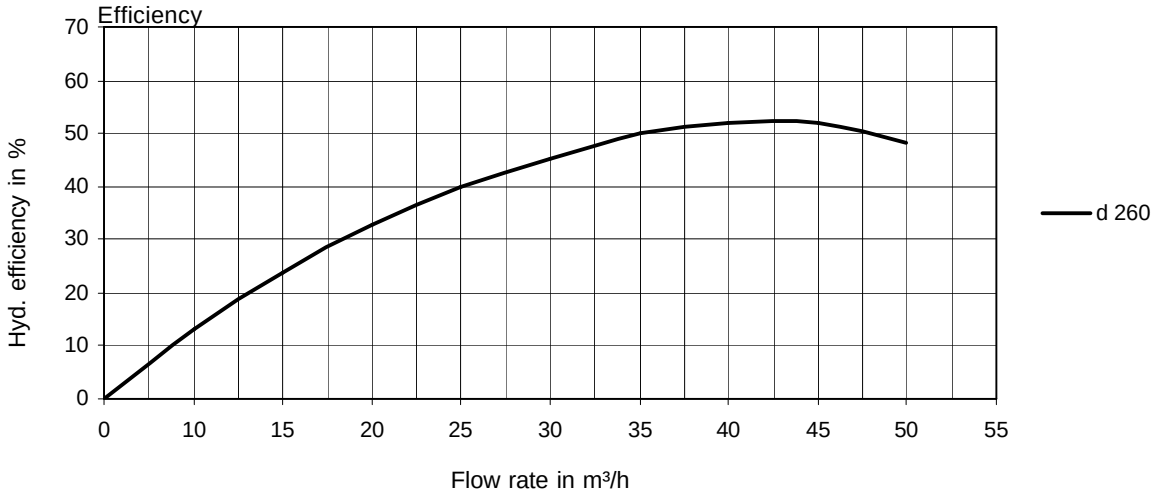


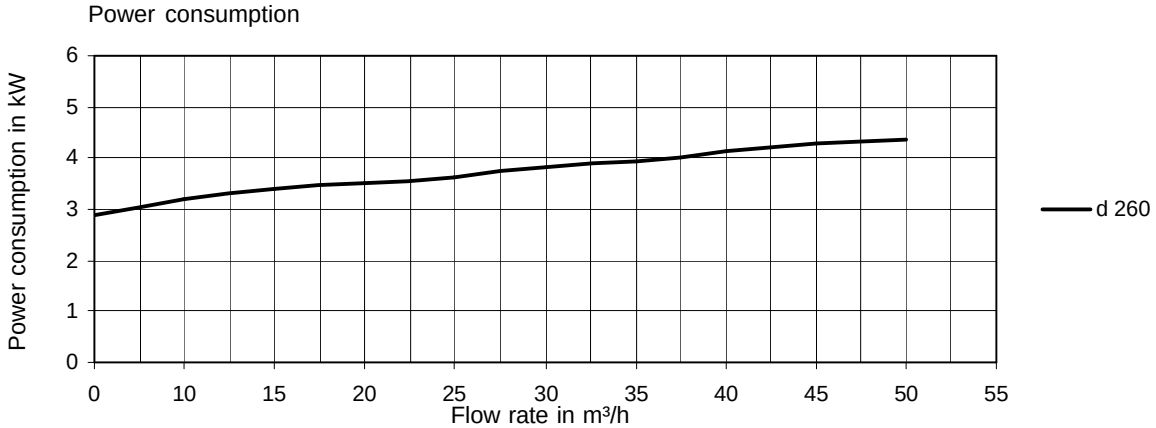


Type N 65 - 40 - 250

Motor kW: 5,5
Speed: 1450

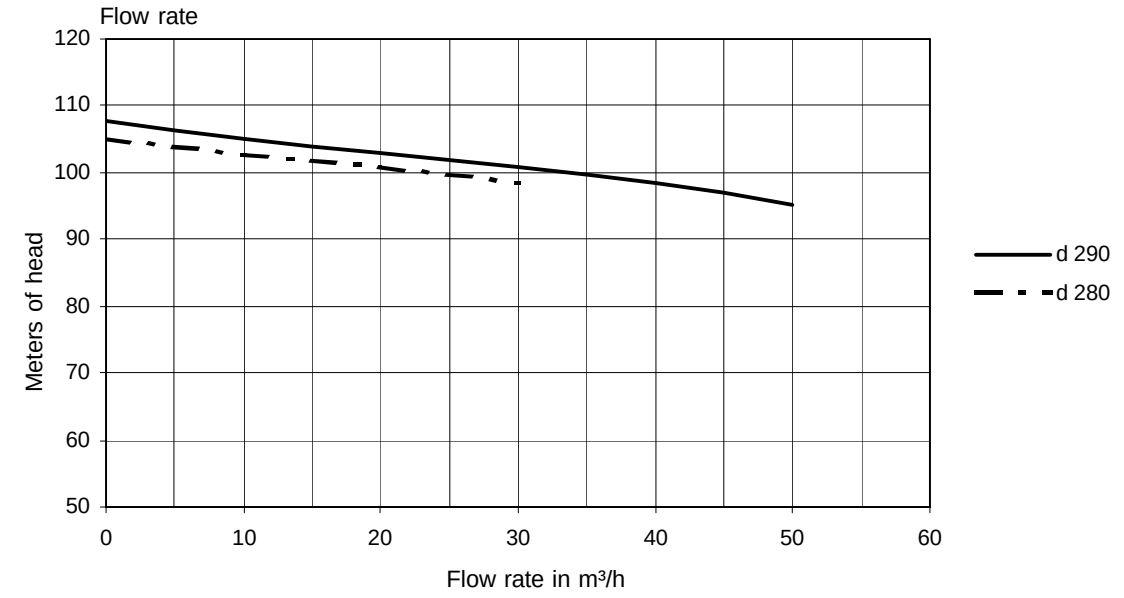


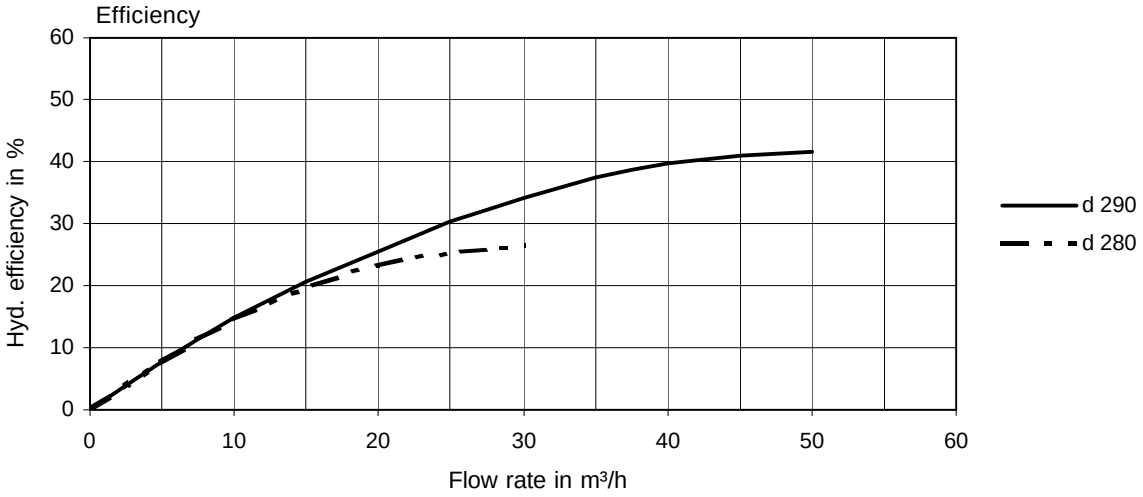


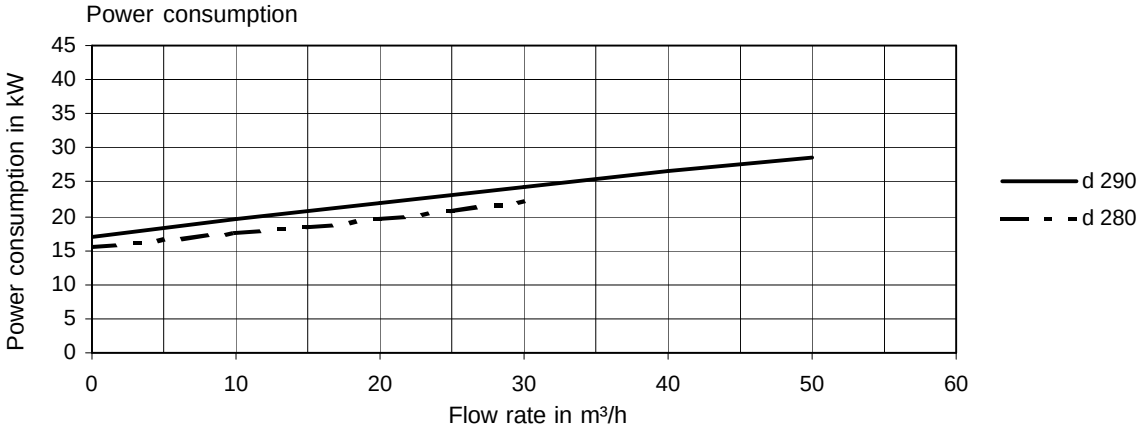


Type N 65 - 40 - 315

Motor kW: 30
Speed: 2900

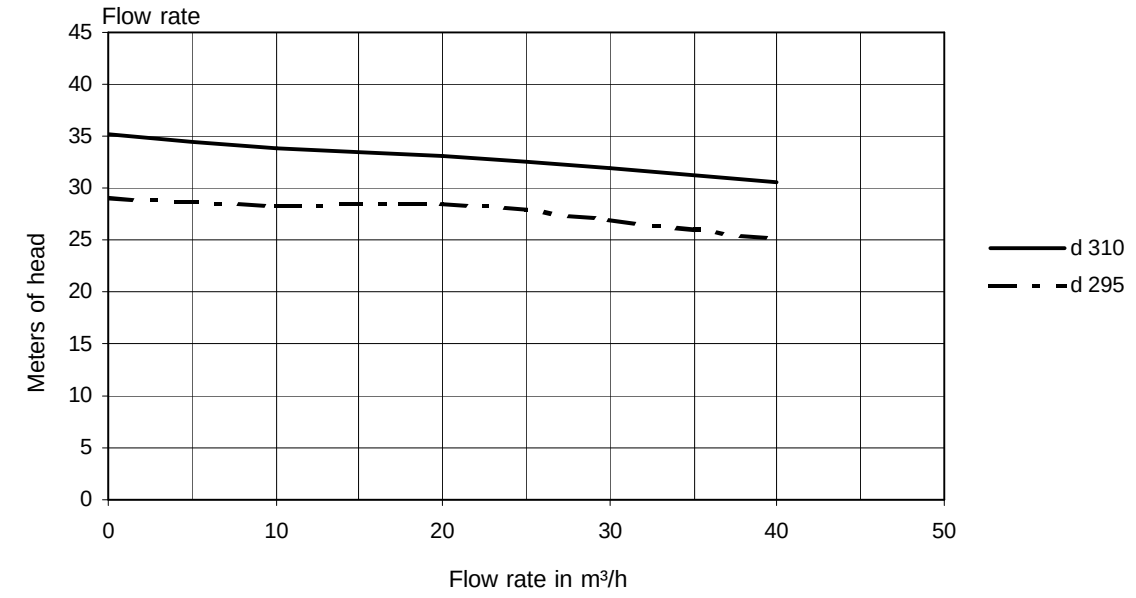


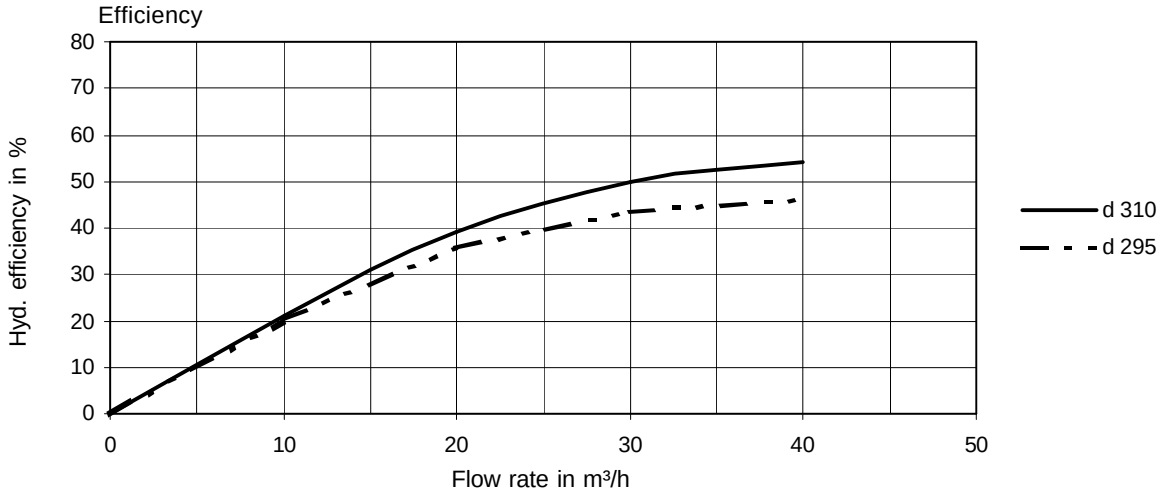


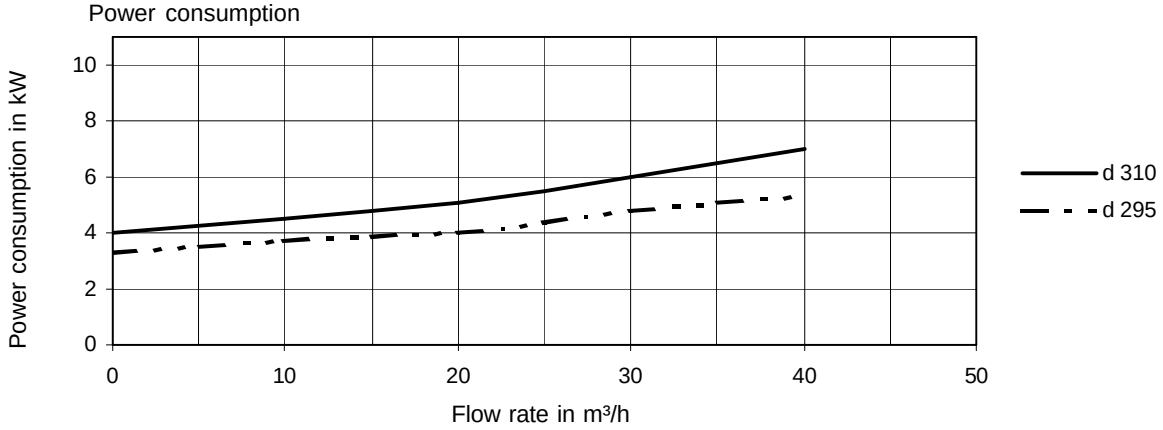


Type N 65 - 40 - 315

Motor kW: 5,5
Speed: 1450



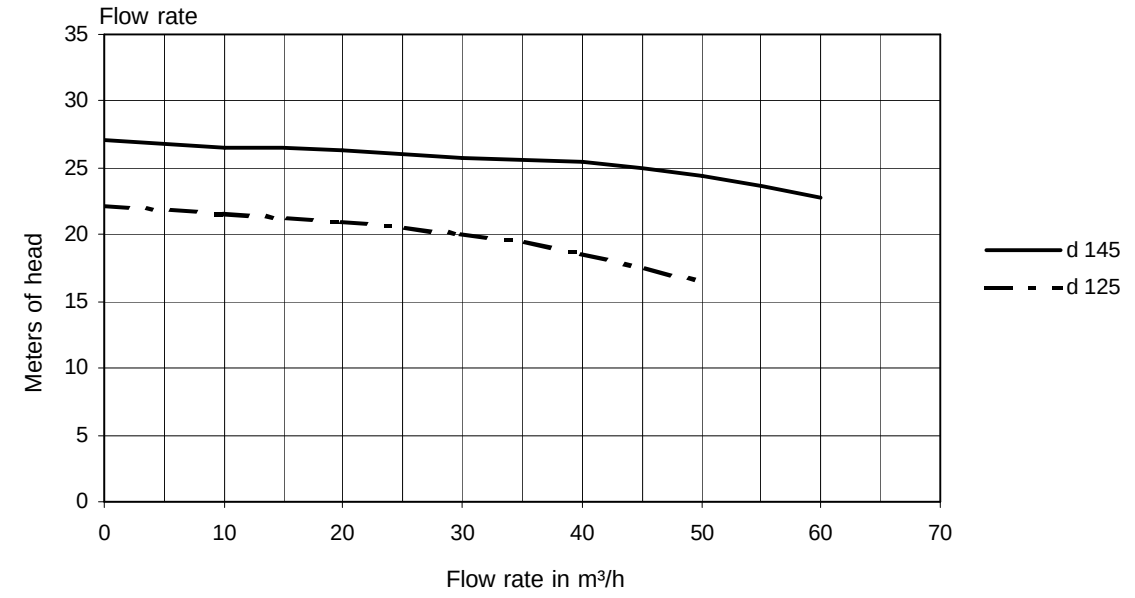


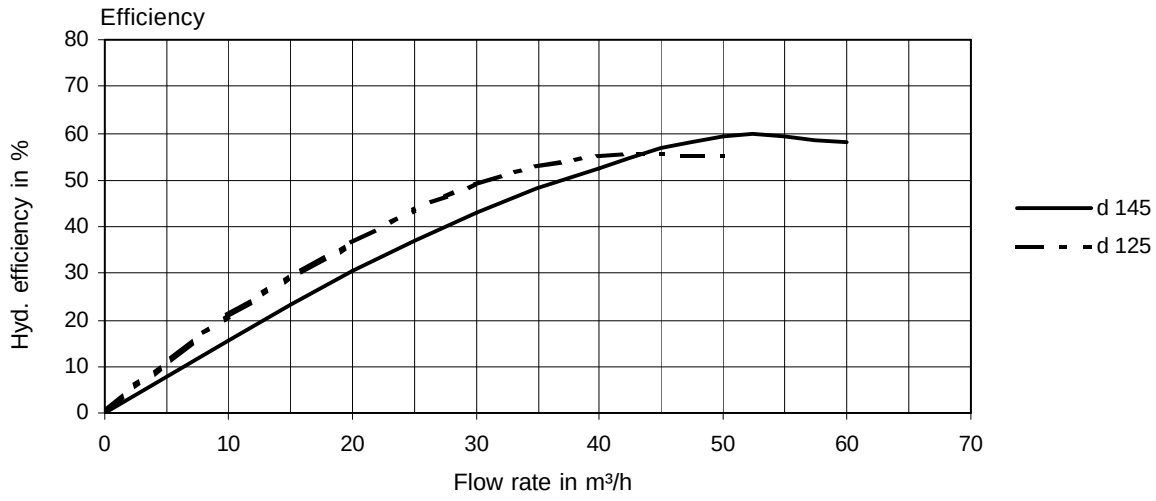


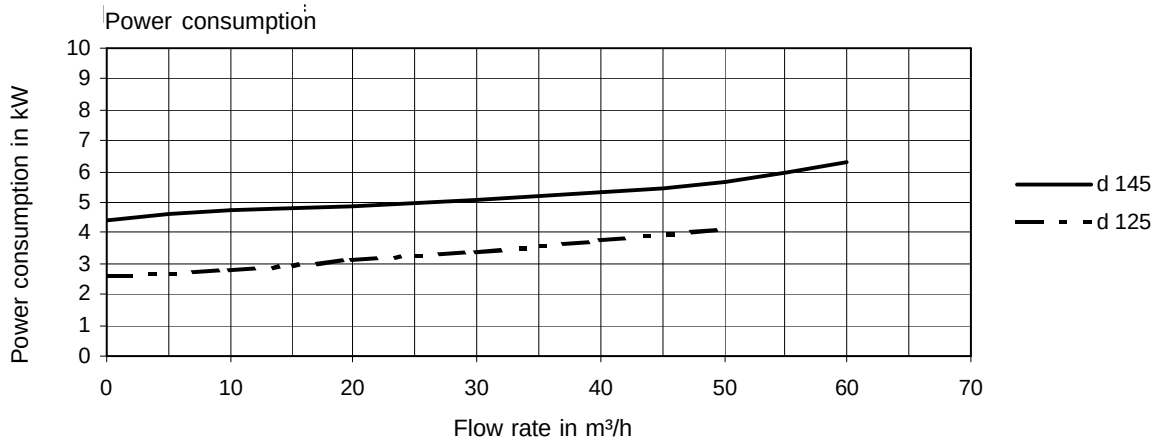
Standard Pump N

Type N 80 - 50 - 125

Motor kW: 7,5
Speed: 2900



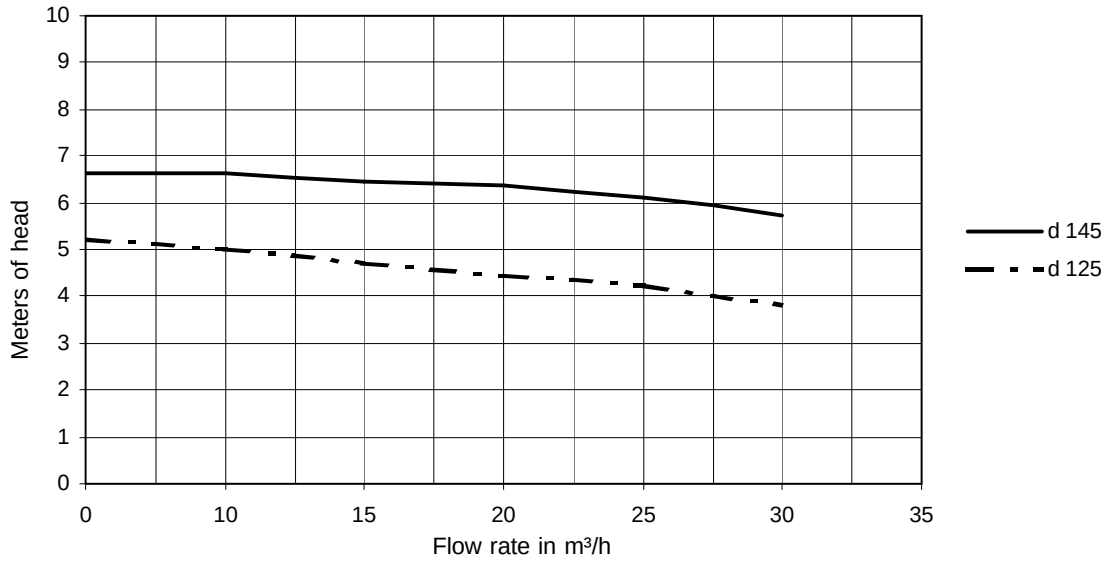




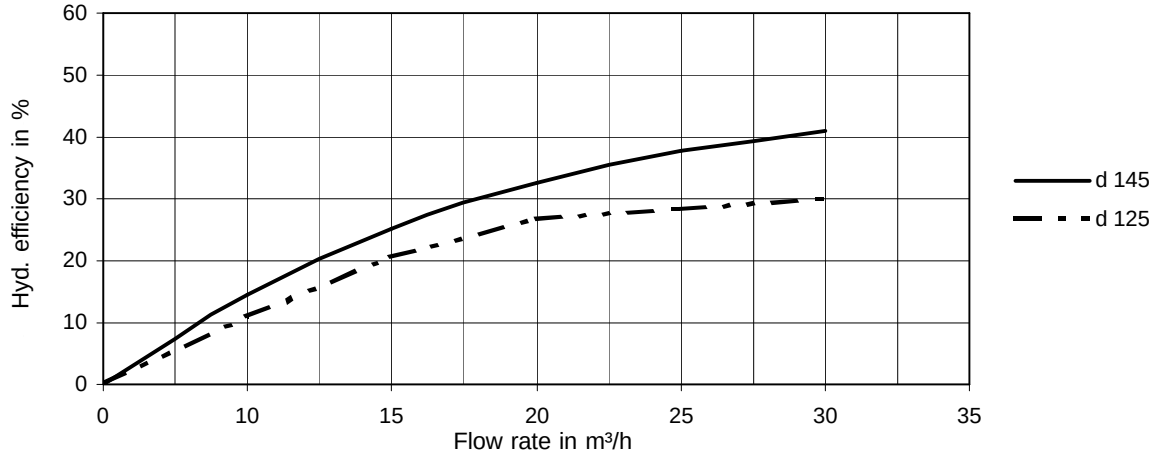
Type N 80 - 50 - 125

Motor kW: 1,5
Speed: 1450

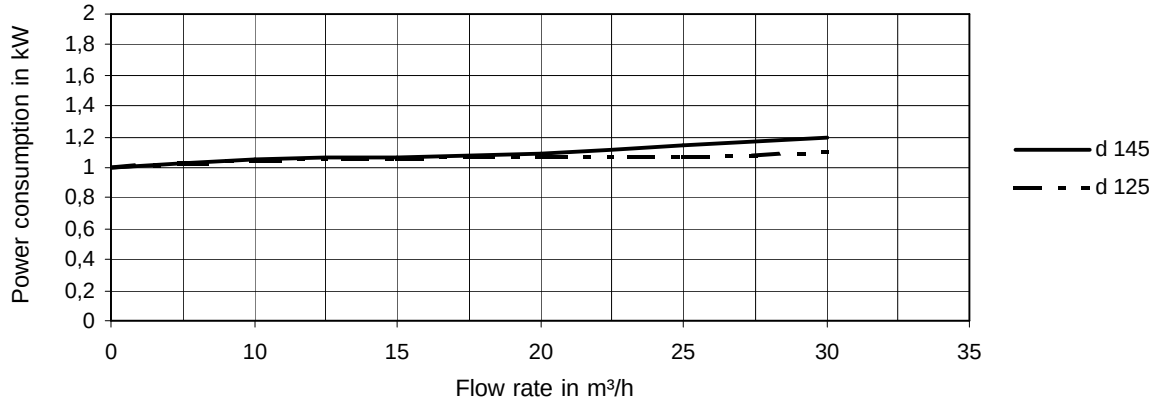
Flow rate



Efficiency



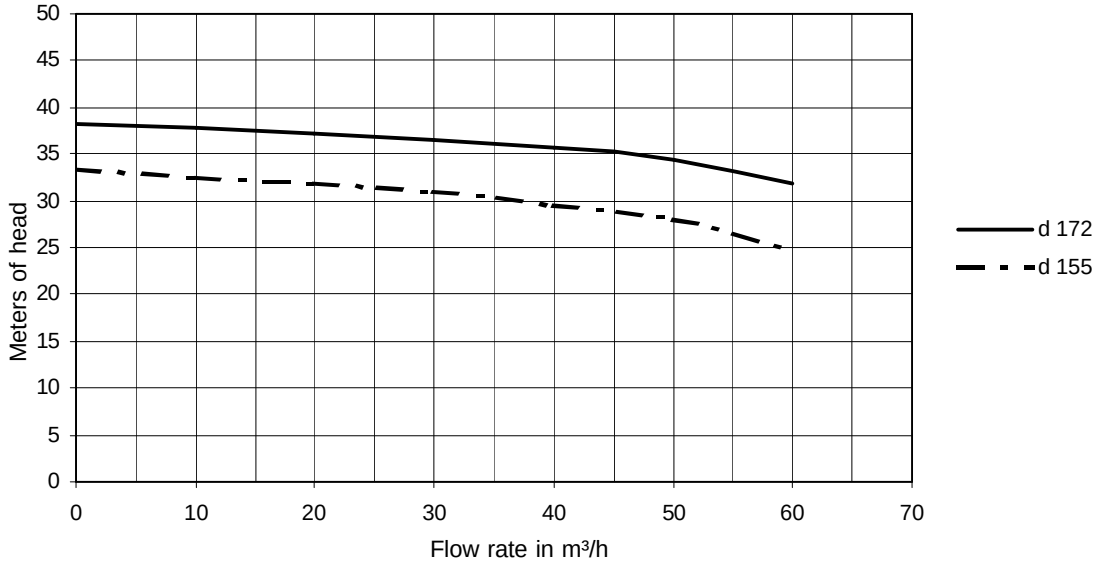
Power consumption



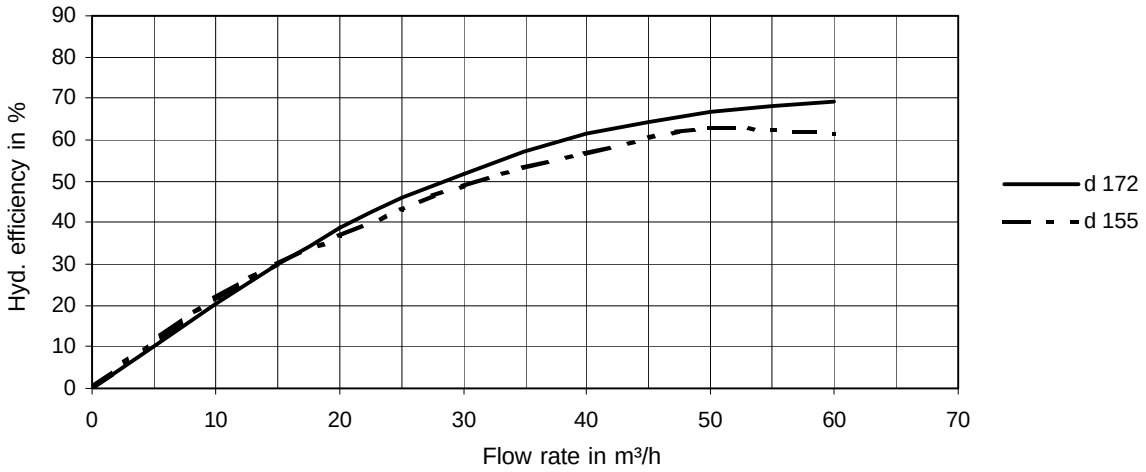
Type N 80 - 50 - 160

Motor kW: 11
Speed: 2900

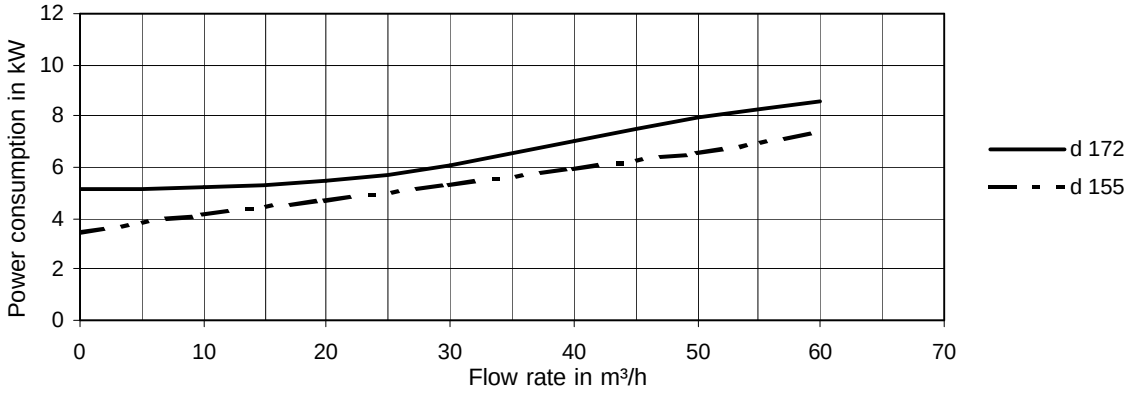
Flow rate



Efficiency

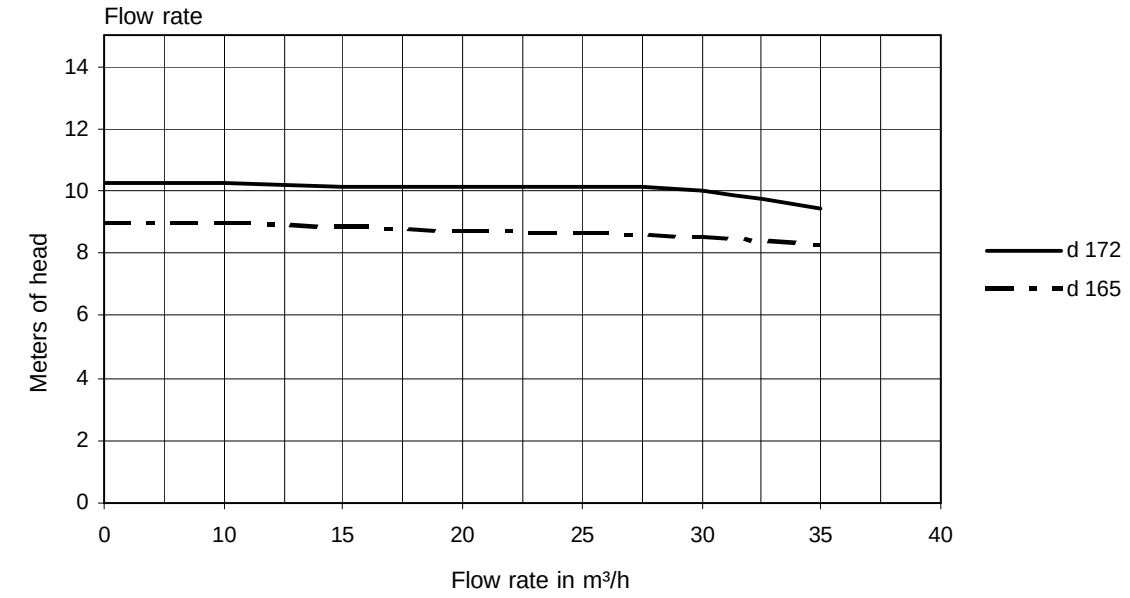


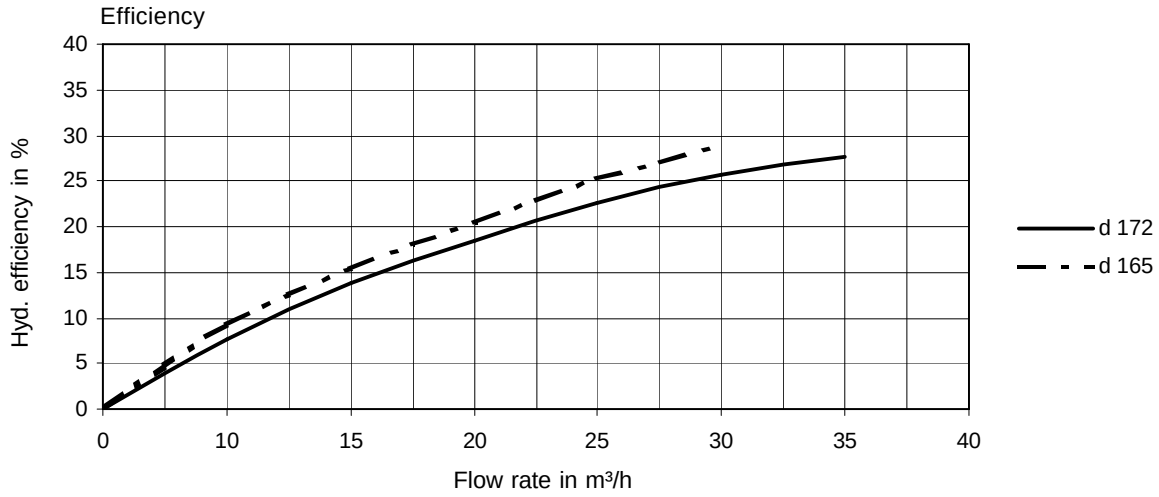
Power consumption

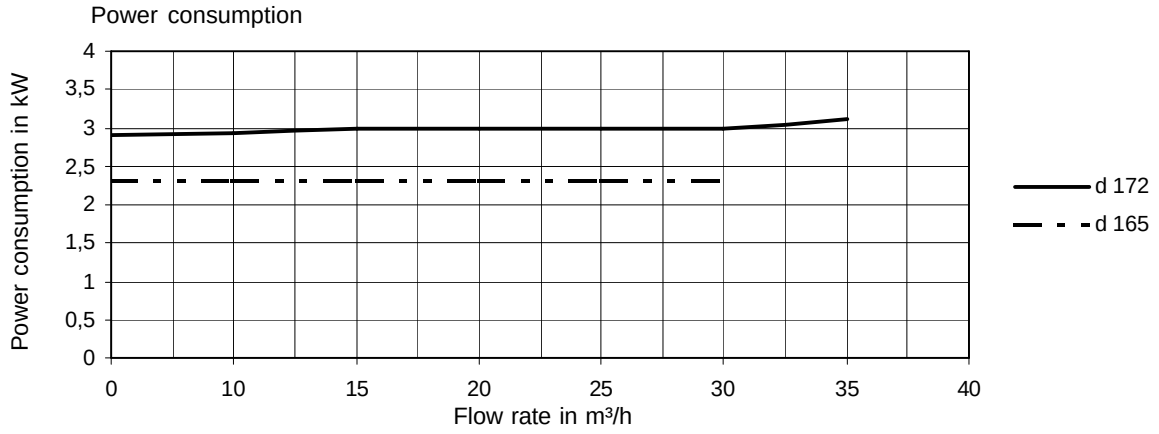


Type N 80 - 50 - 160

Motor kW: 4
Speed: 1450

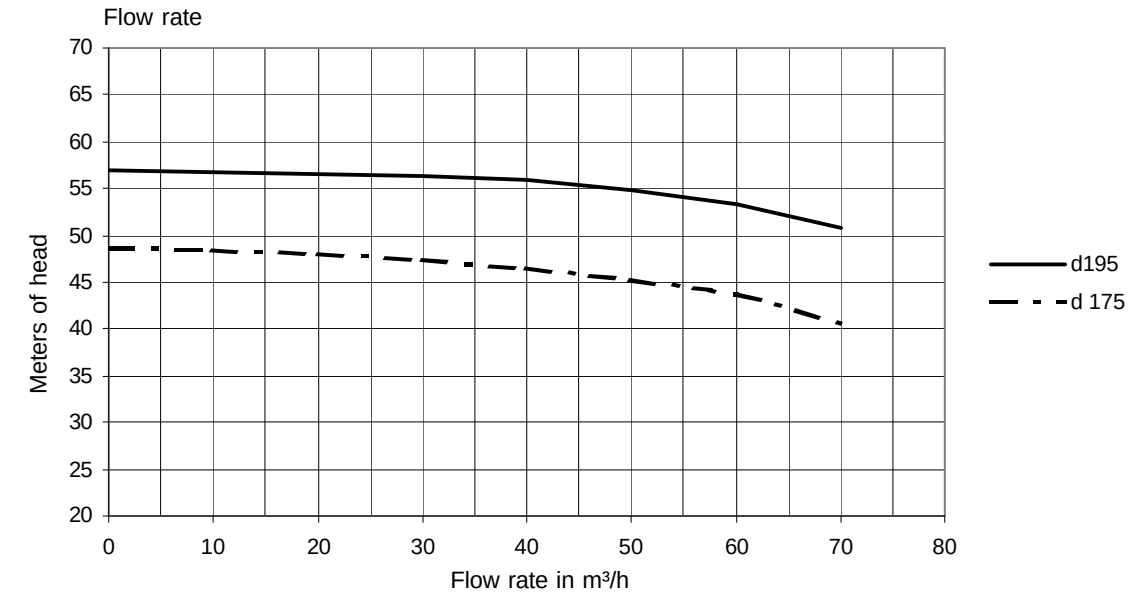


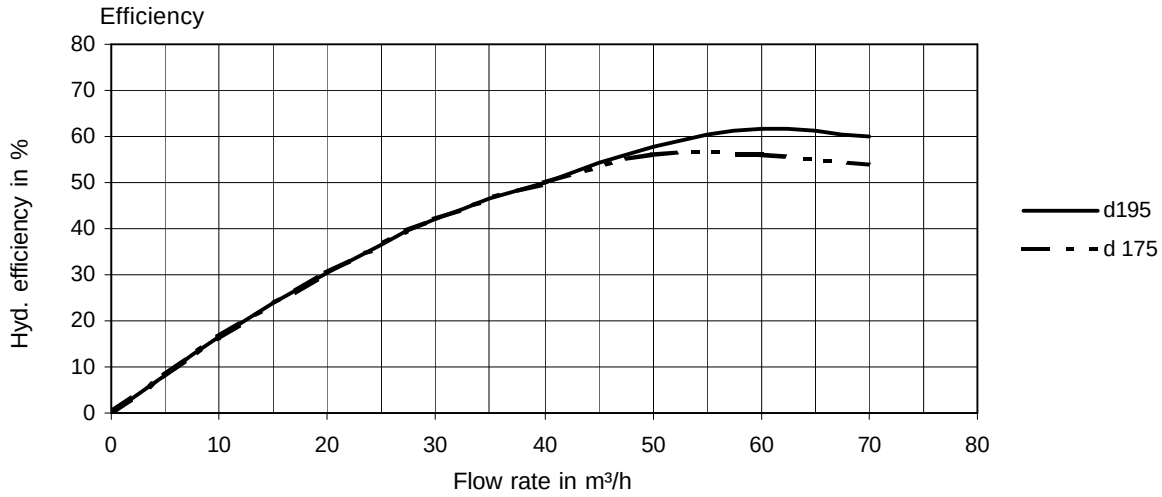


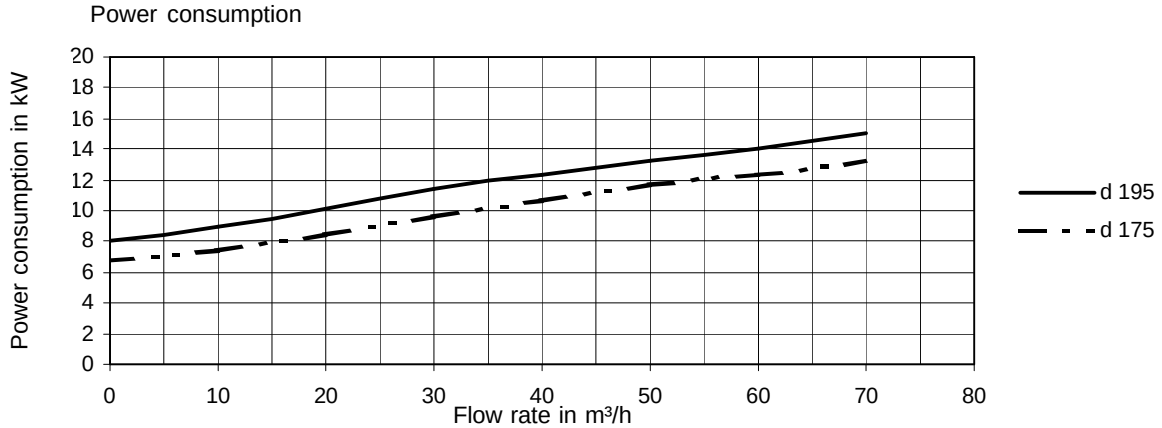


Type N 80 - 50 - 200

Motor kW: 15
Speed: 2900

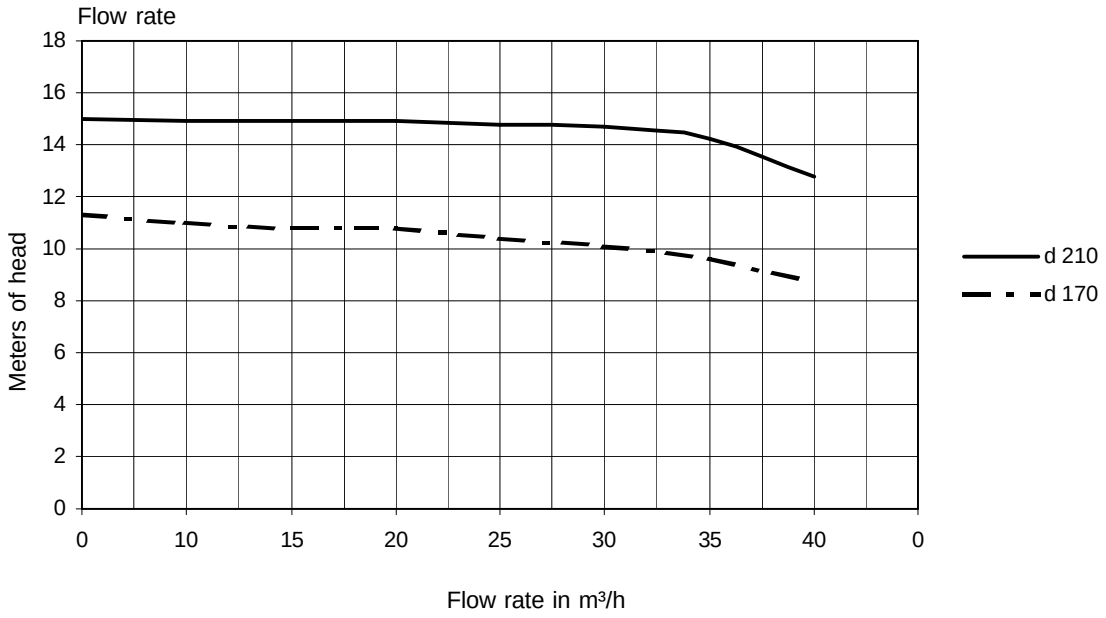


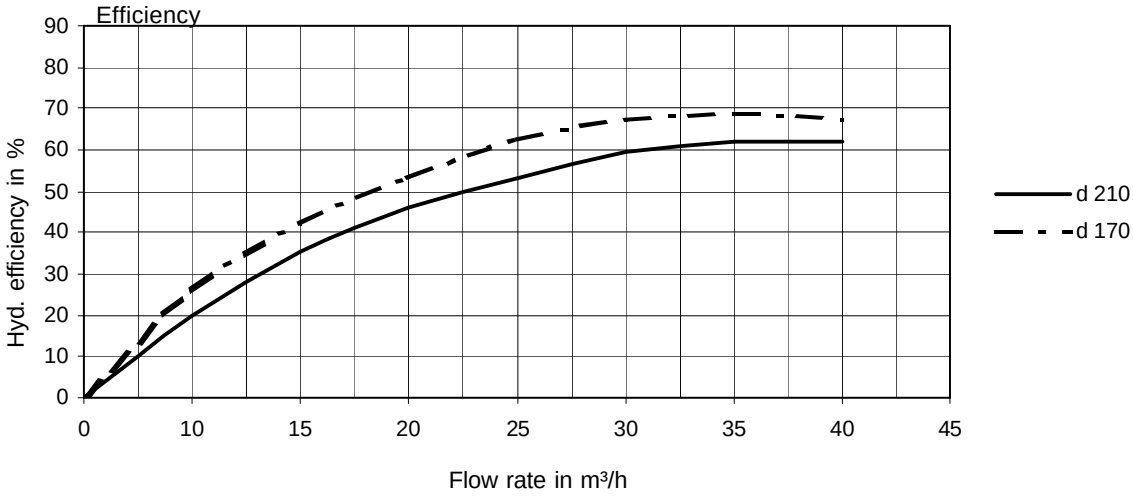


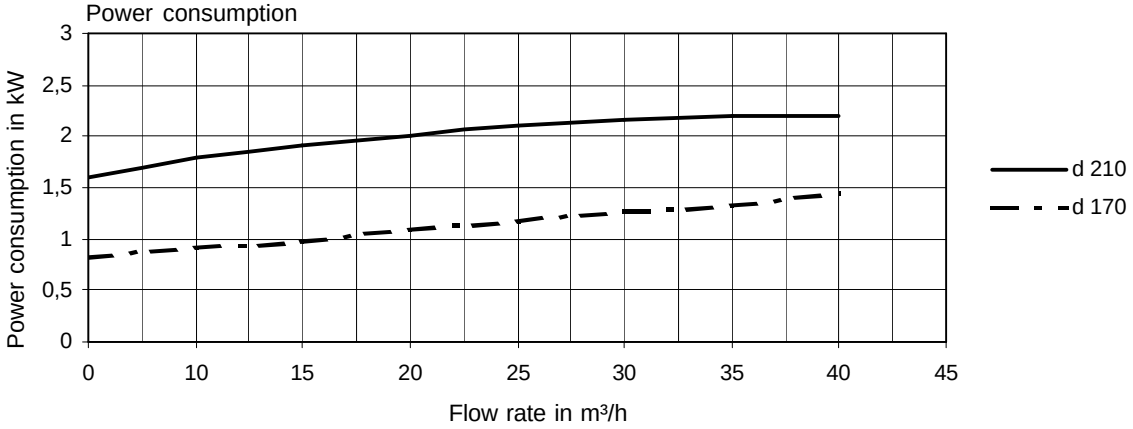


Type N 80 - 50 - 200

Motor kW: 3
Speed: 1450

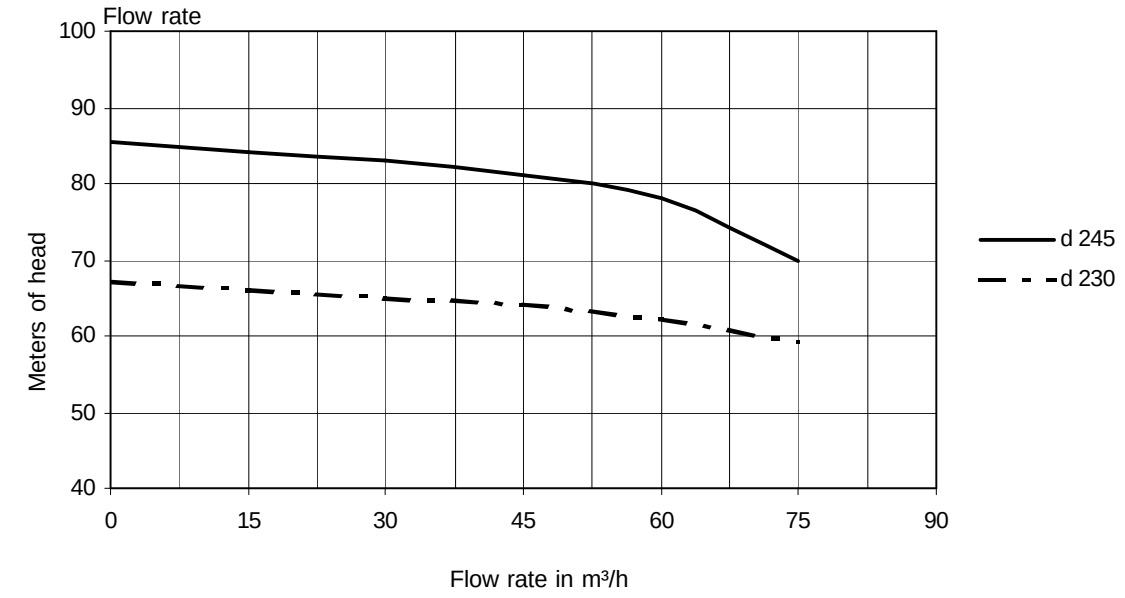


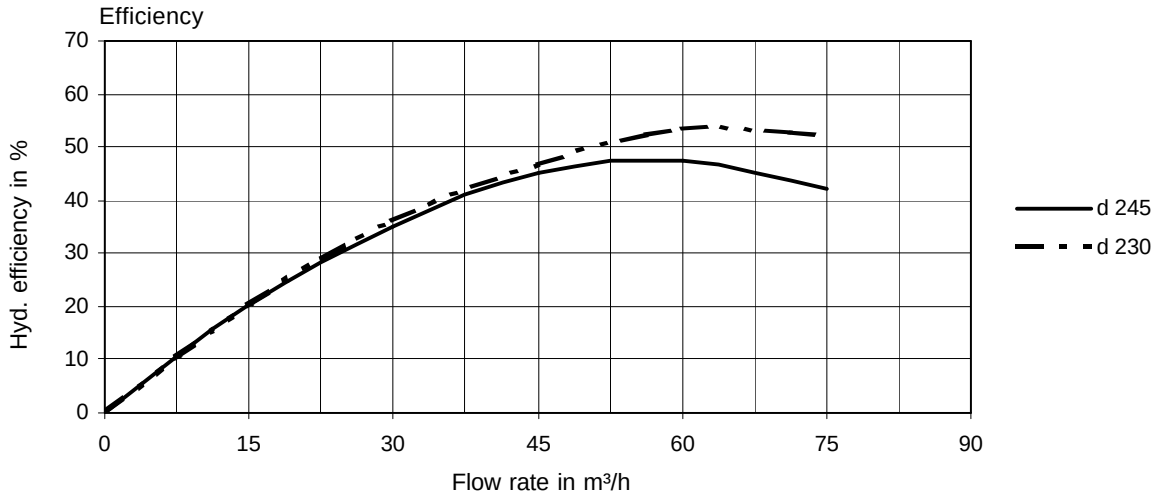


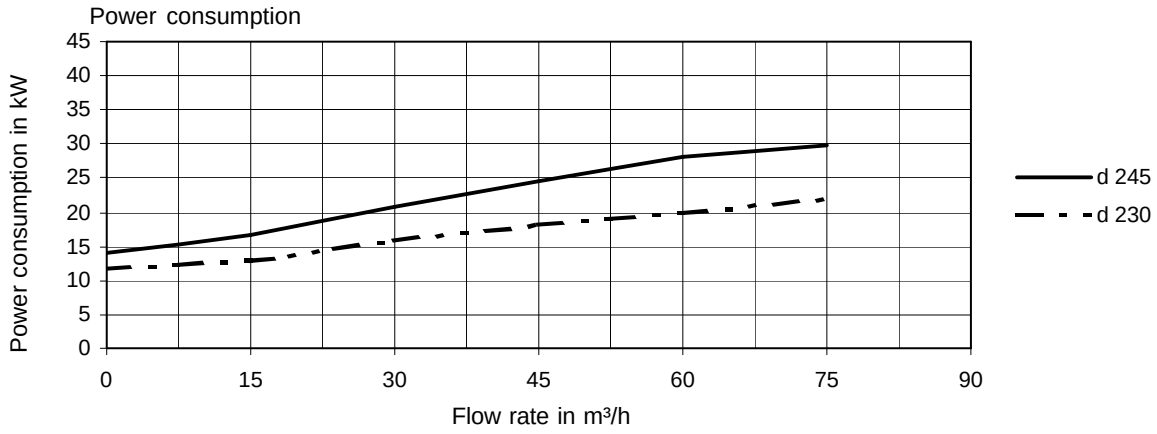


Type N 80 - 50 - 250

Motor kW: 22
Speed: 2900

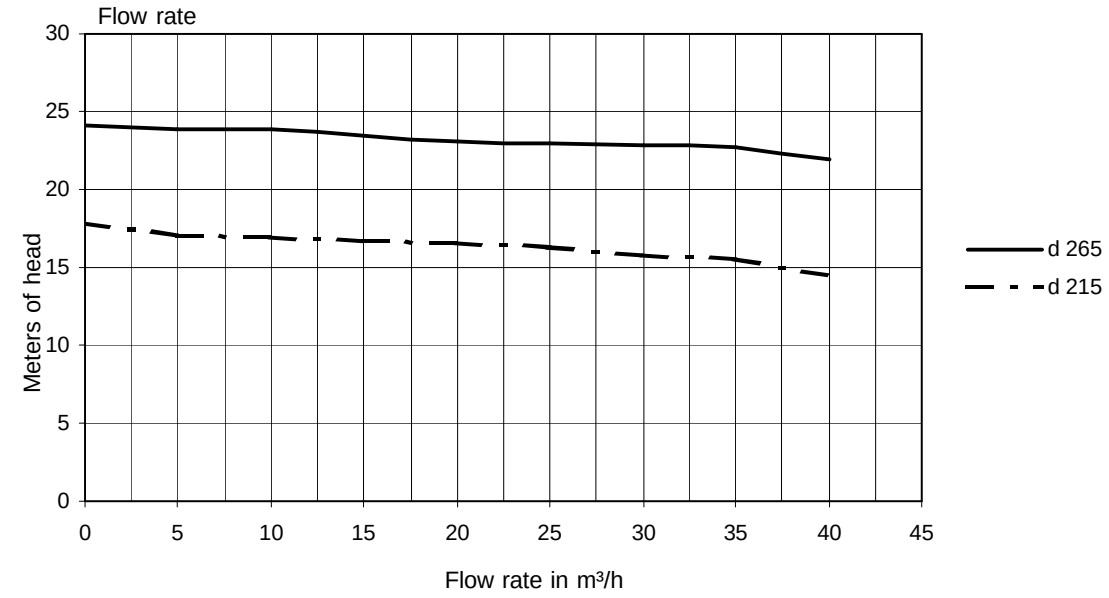


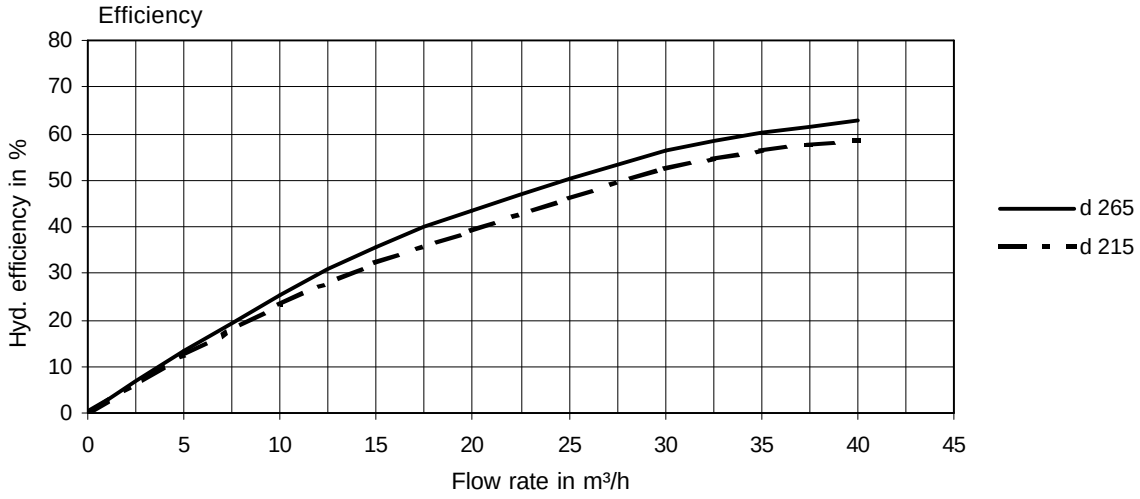


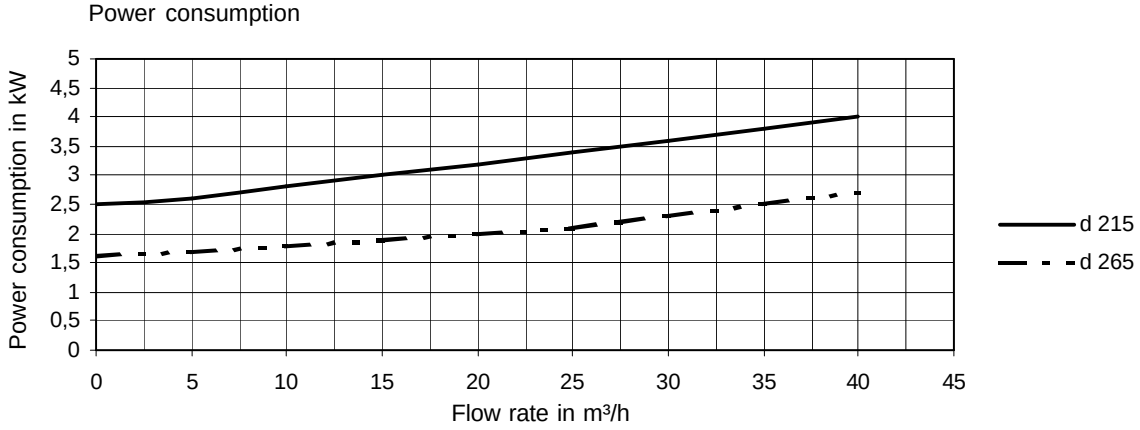


Type N 80 - 50 - 250

Motor kW: 5,5
Speed: 1450

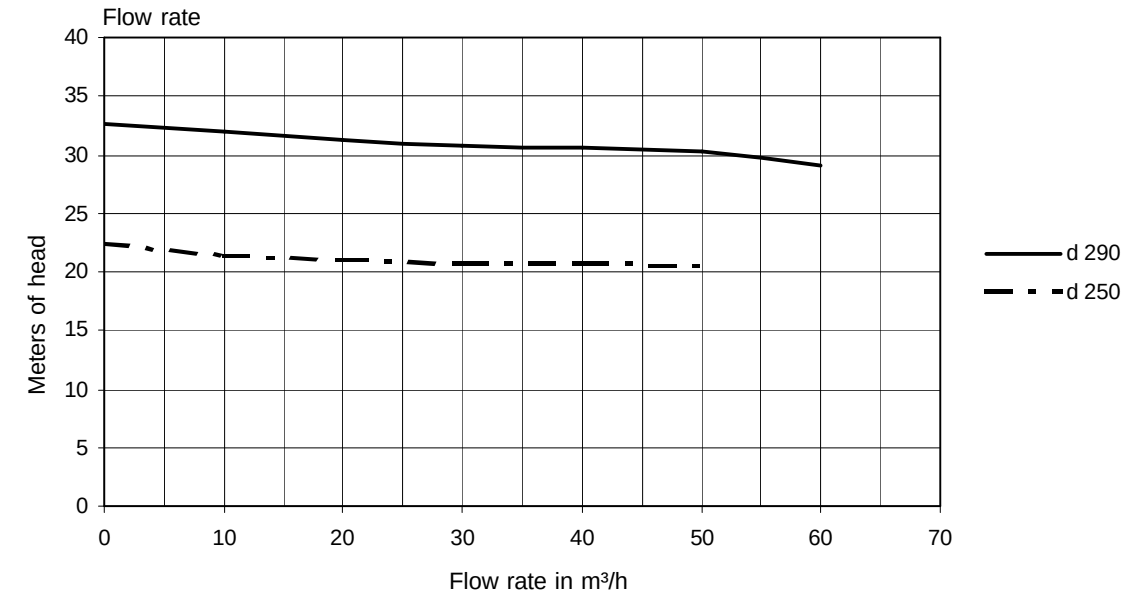


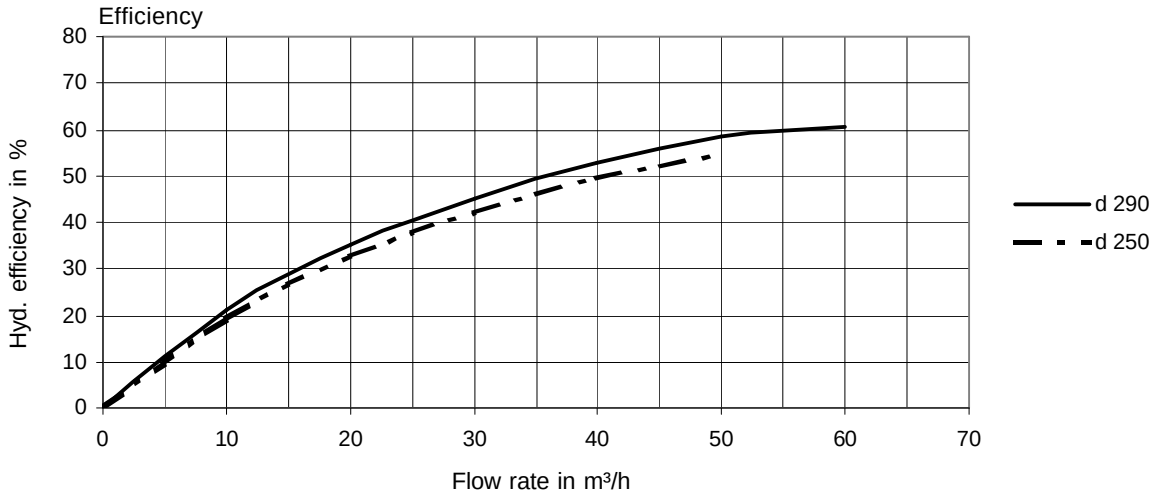


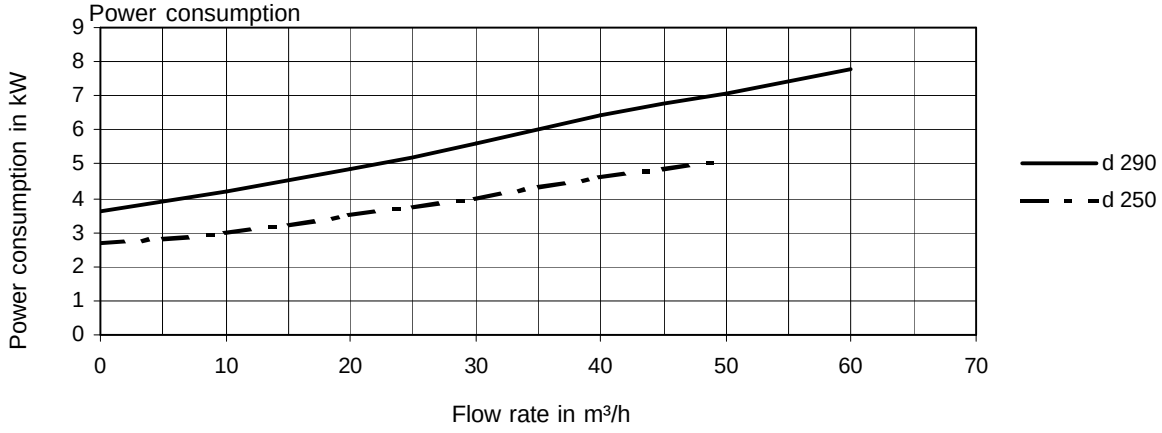


Type N 80 - 50 - 315

Motor kW: 7,5
Speed: 1450

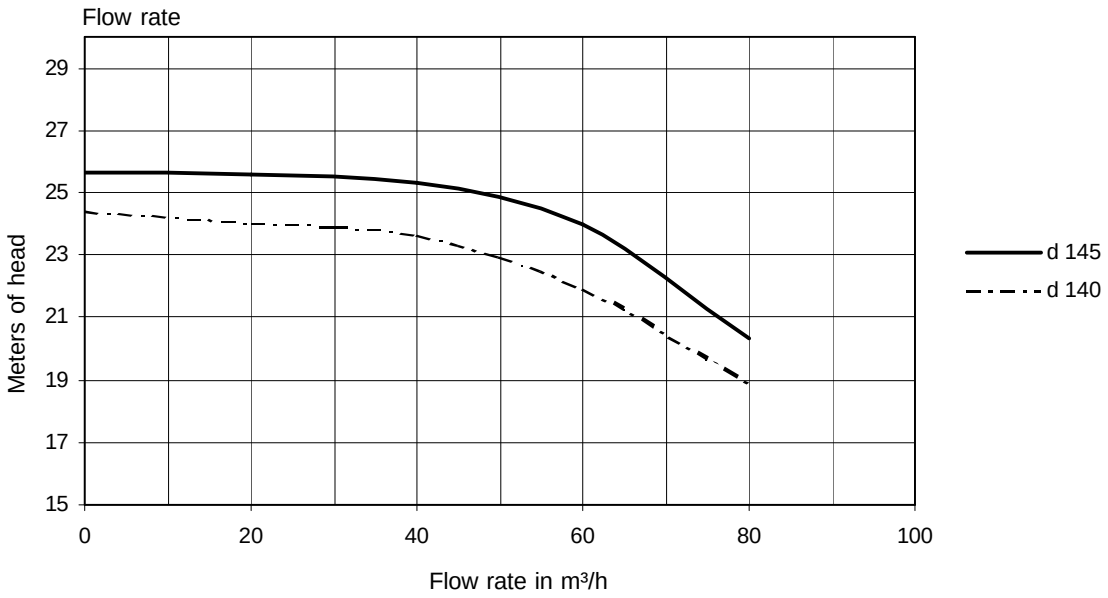


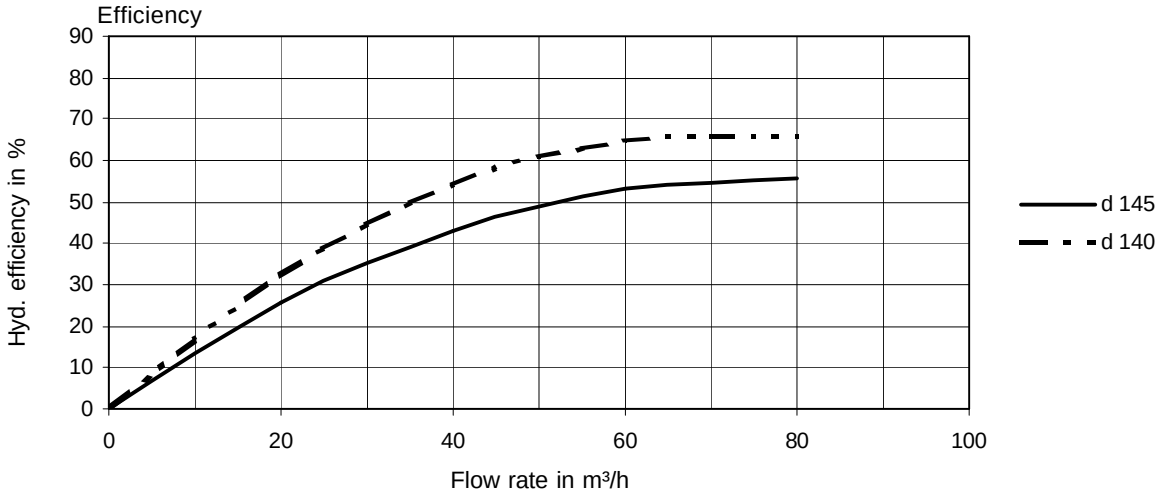


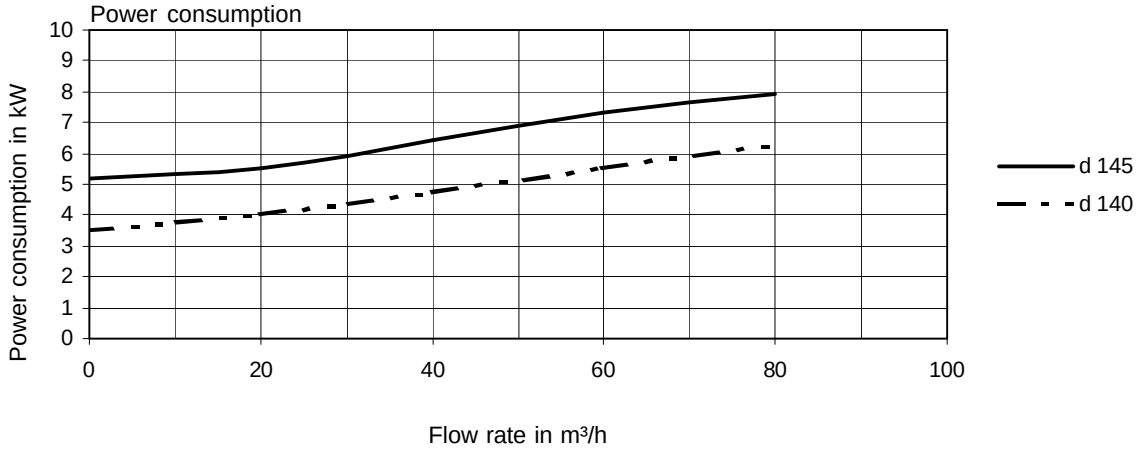


Type N 100 - 65 - 125

Motor kW: 11
Speed: 2900

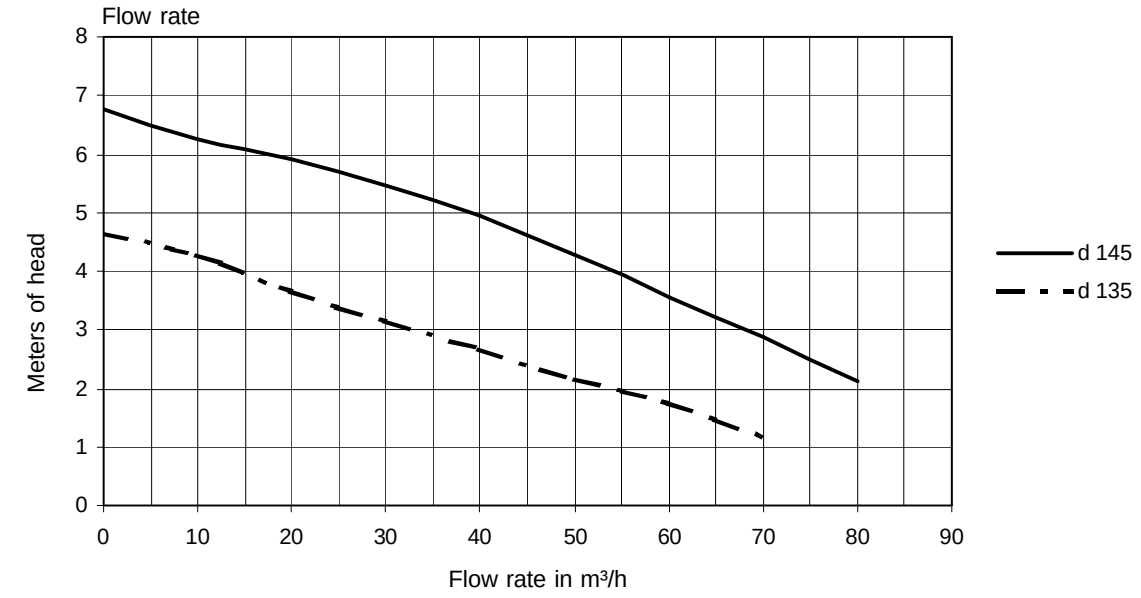


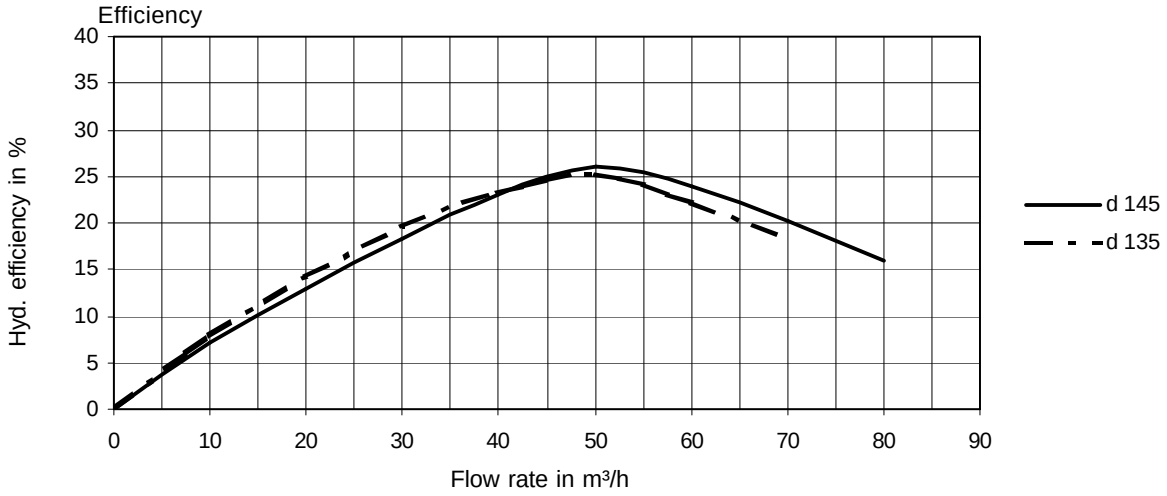


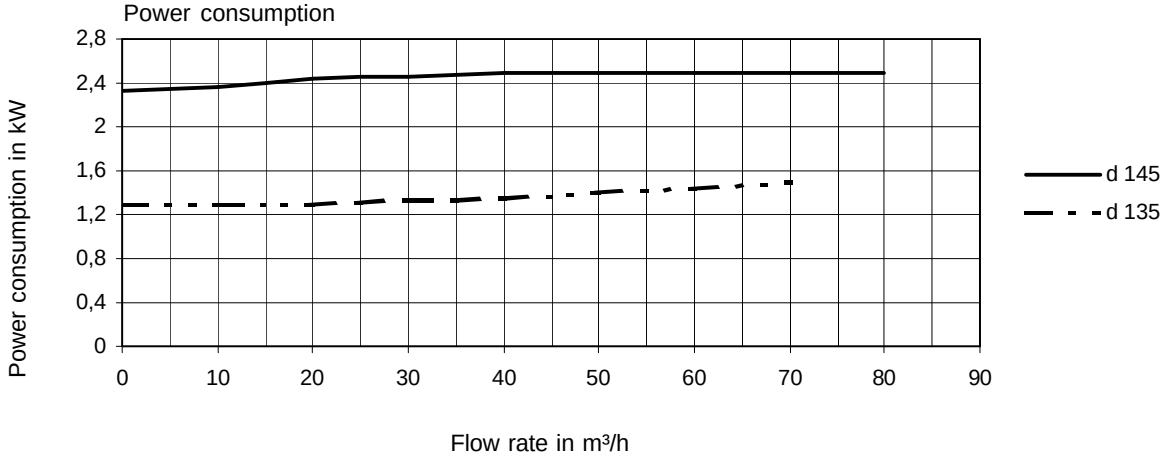


Type N 100 - 65 - 125

Motor kW: 5,5
Speed: 1450

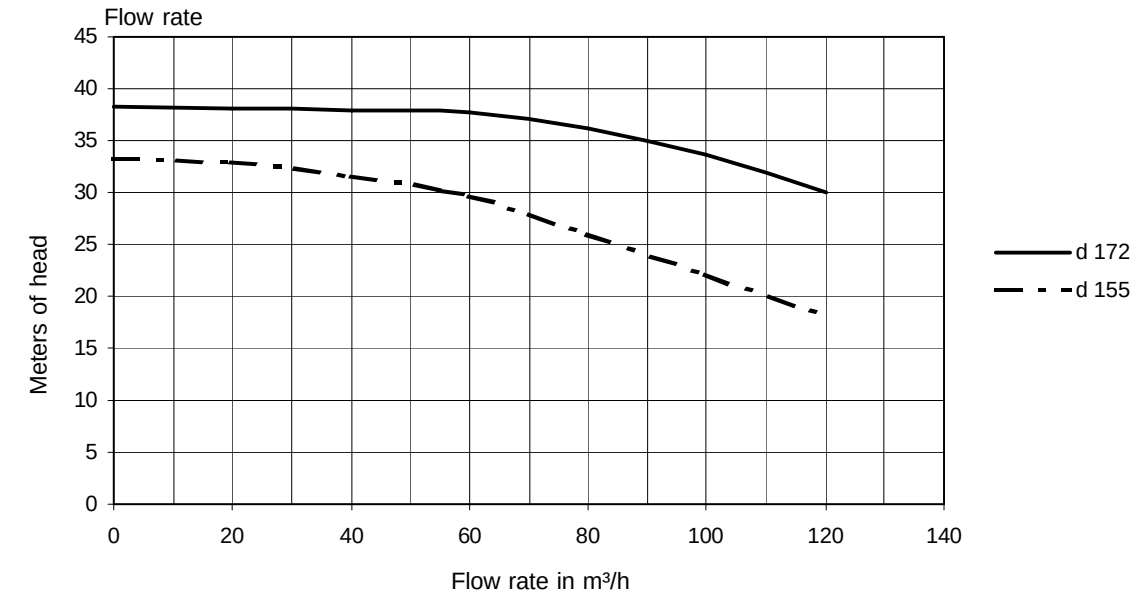


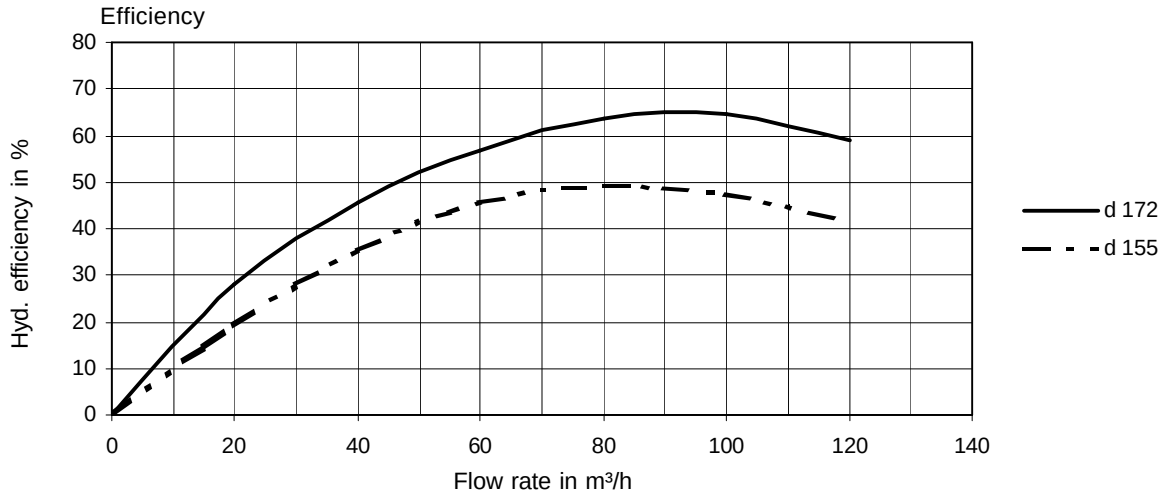


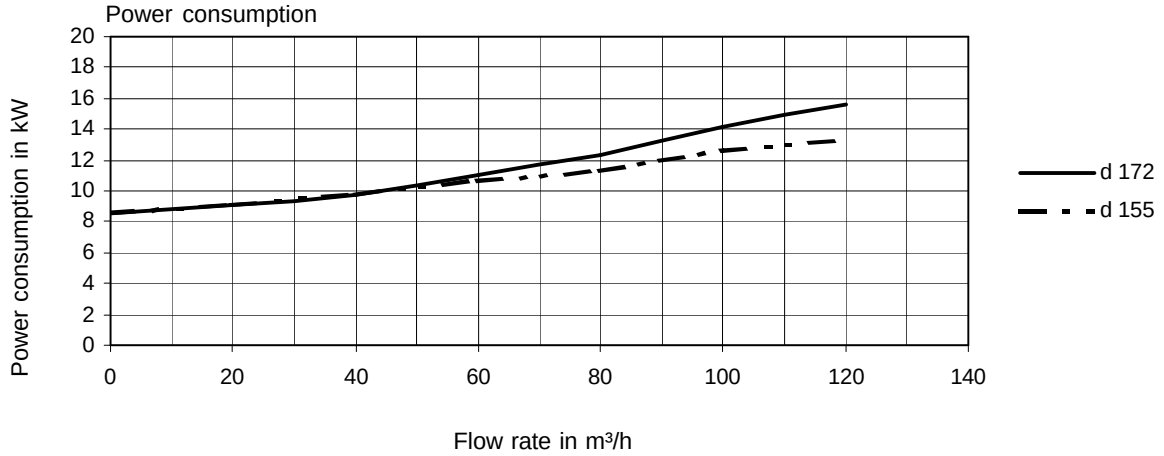


Type N 100 - 65 - 160

Motor kW: 15
Speed: 2900



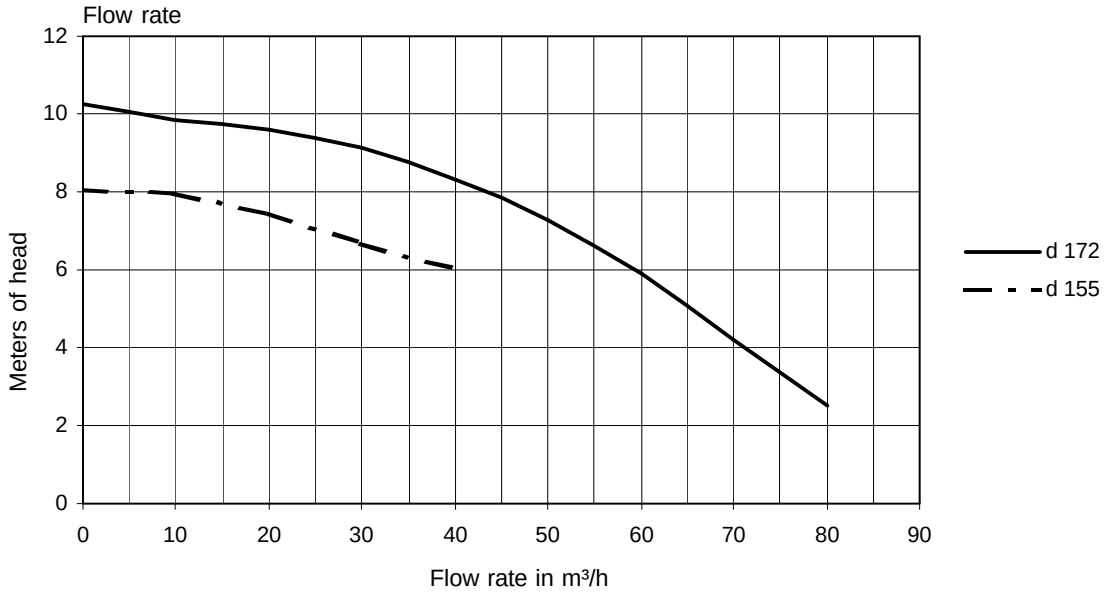


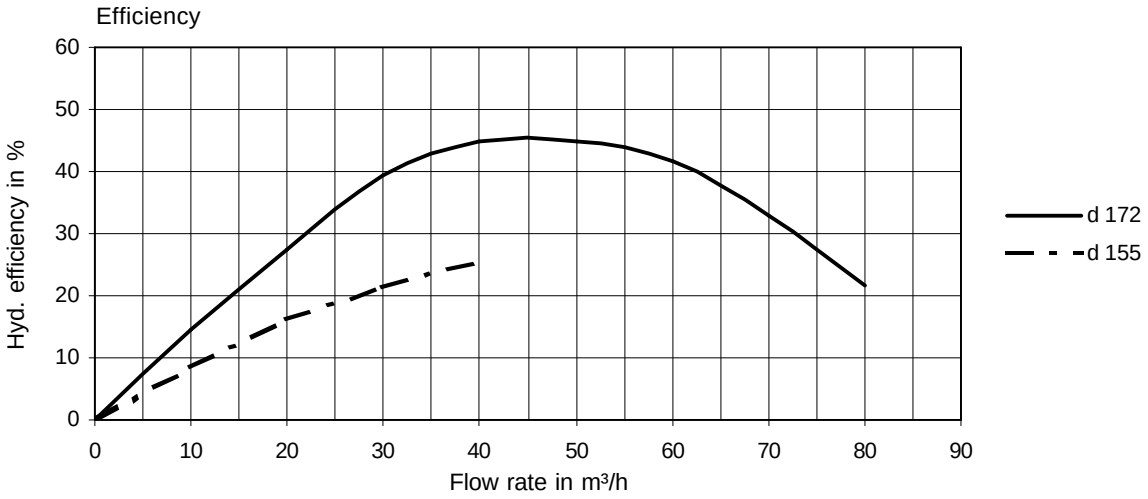


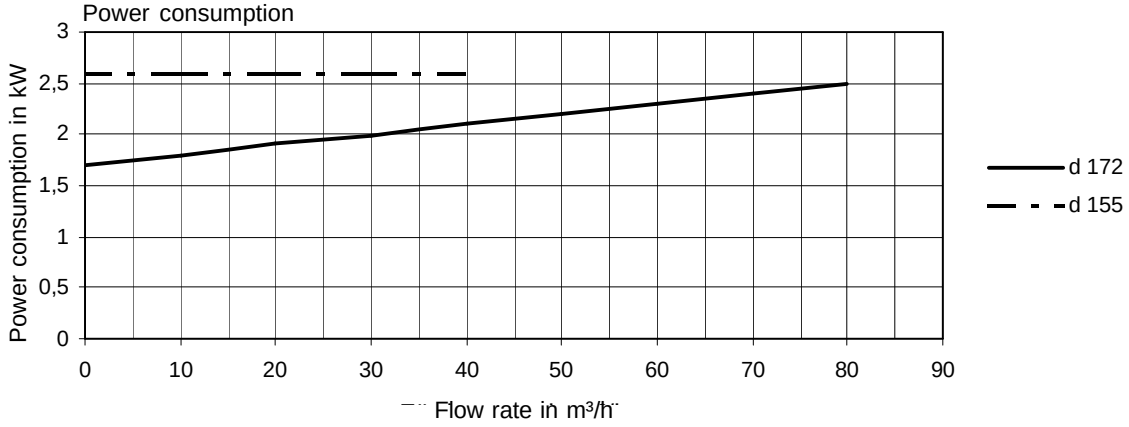
Standard Pump N

Type N 100 - 65 - 160

Motor kW: 3
Speed: 1450

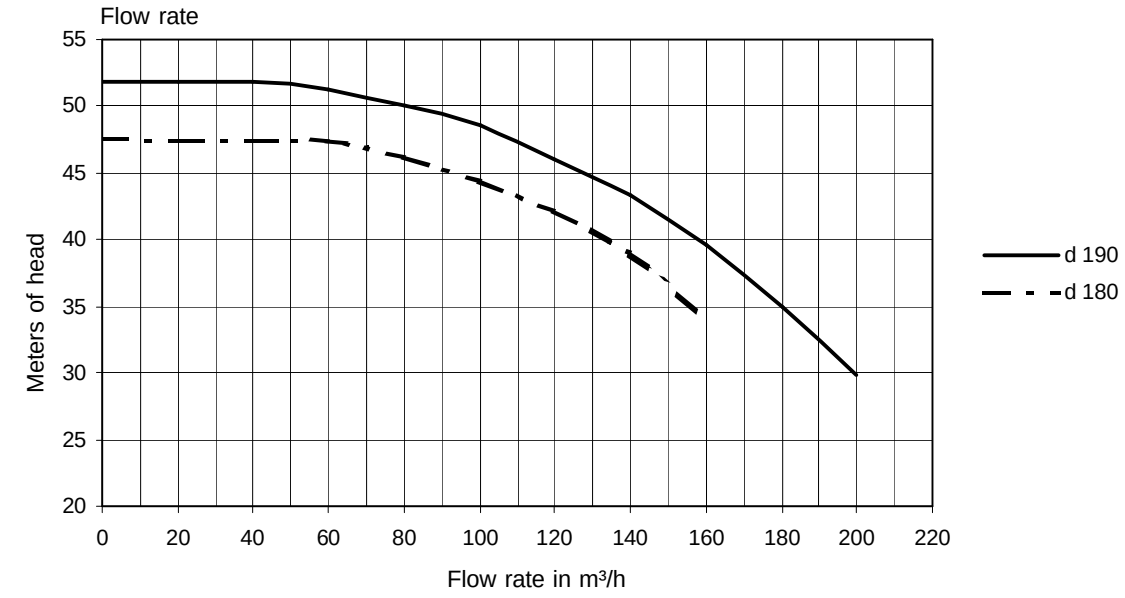


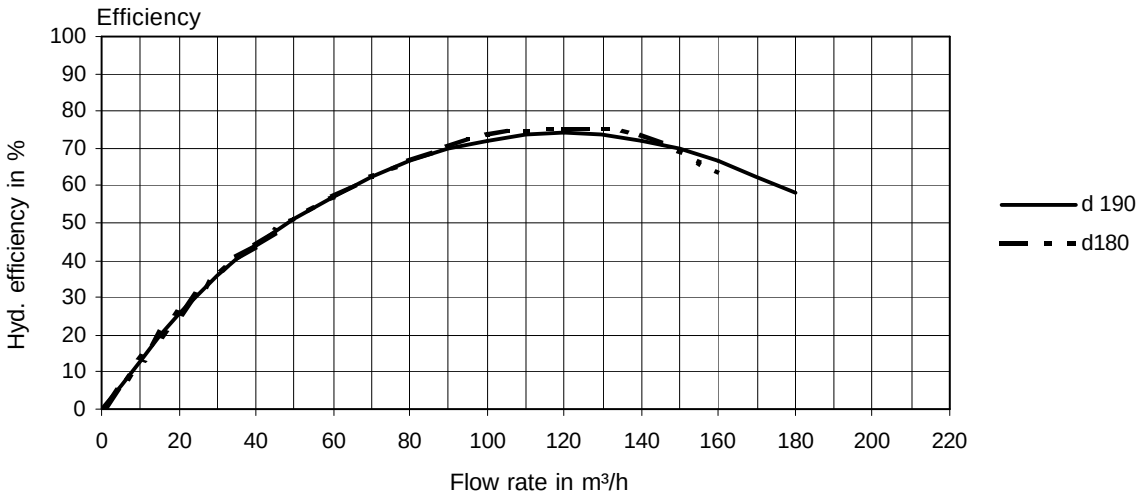


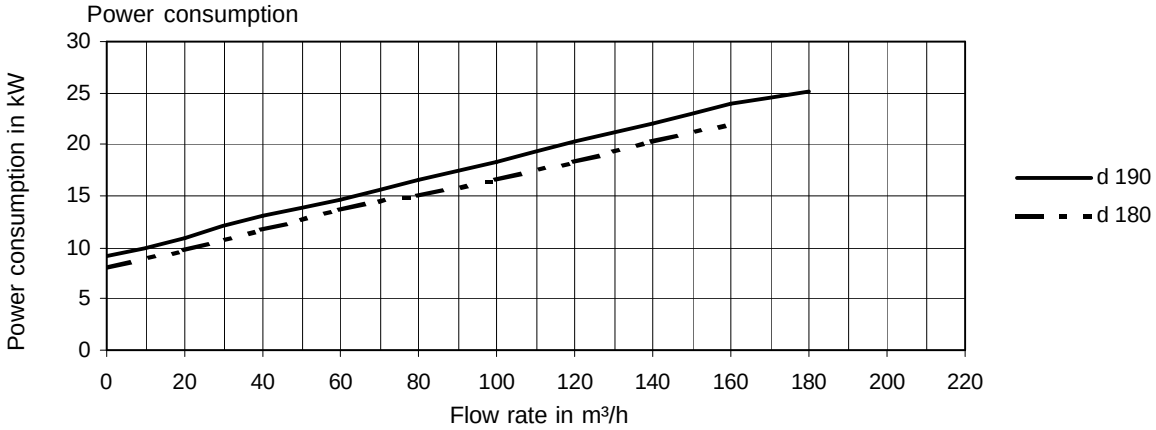


Type N 100 - 65 - 200

Motor kW: 22
Speed: 2900

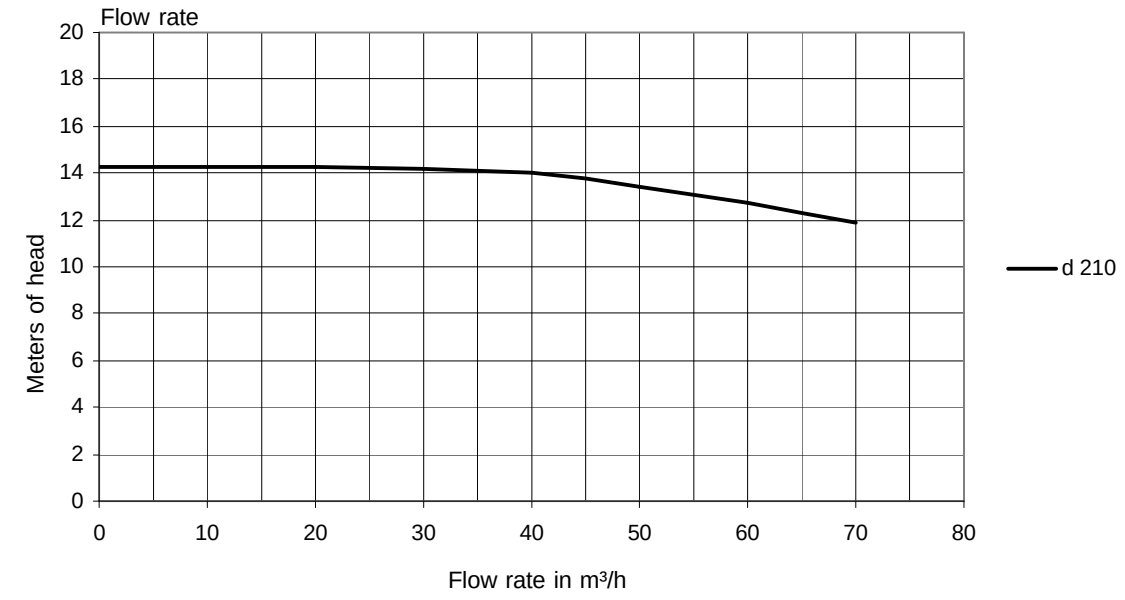


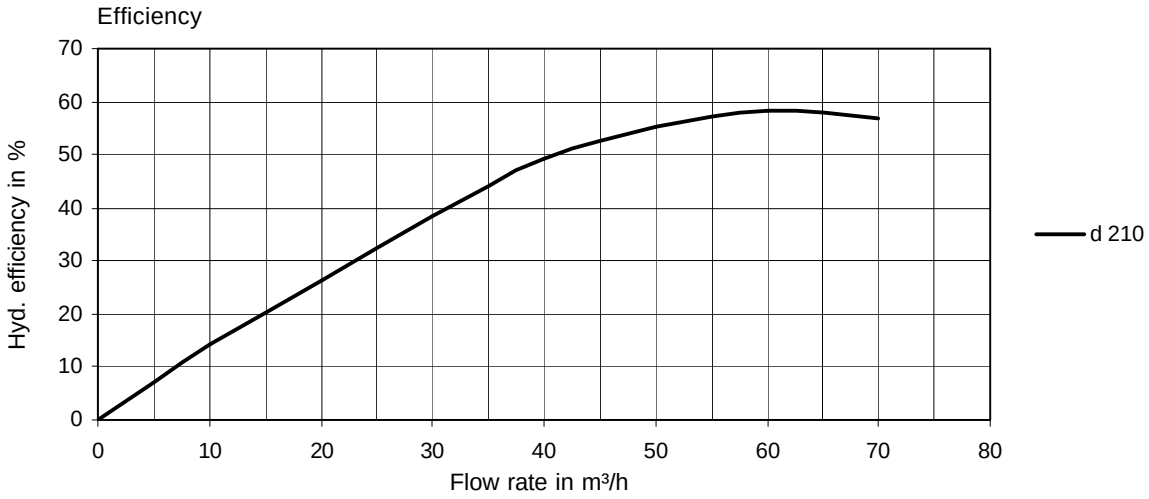


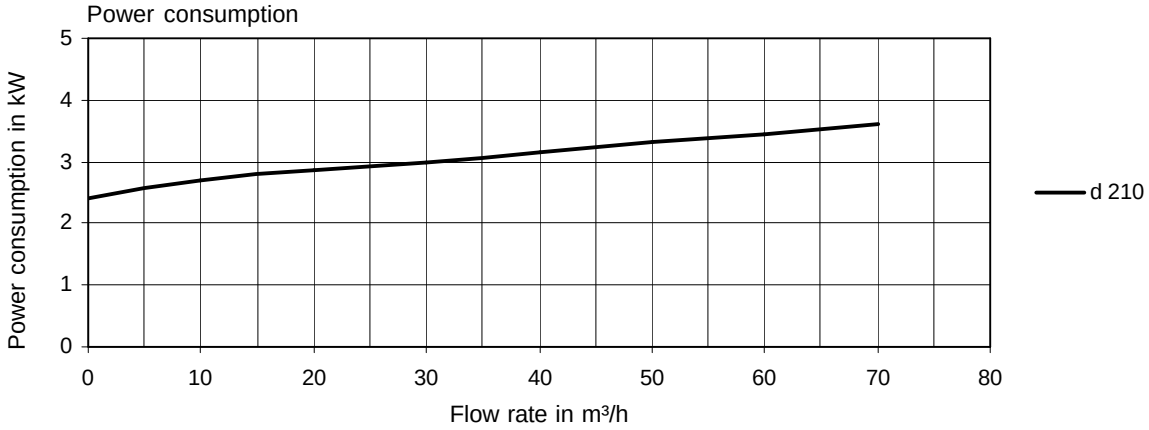


Type N 100 - 65 - 200

Motor kW: 4
Speed: 1450



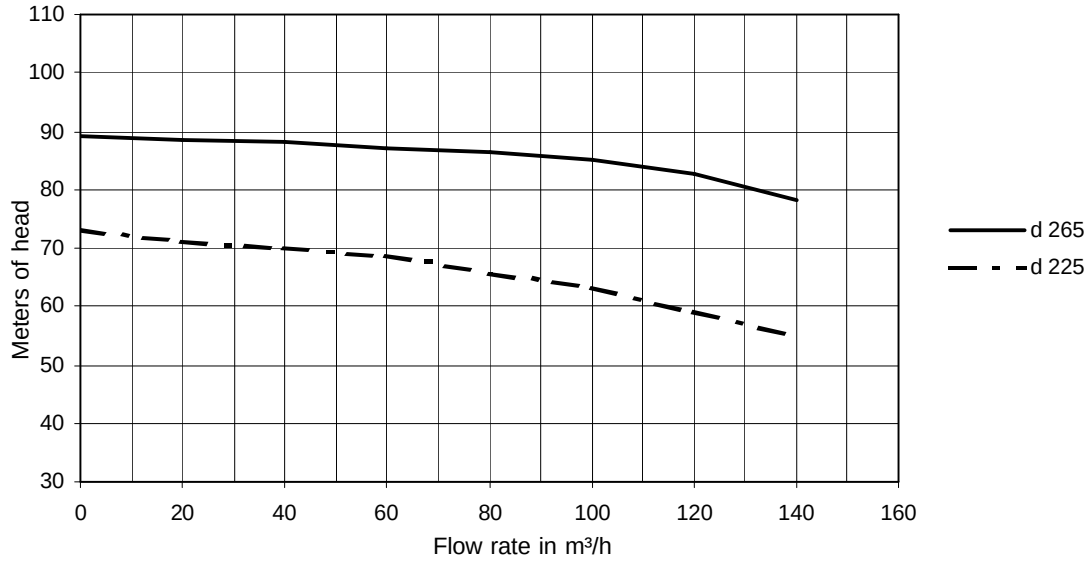




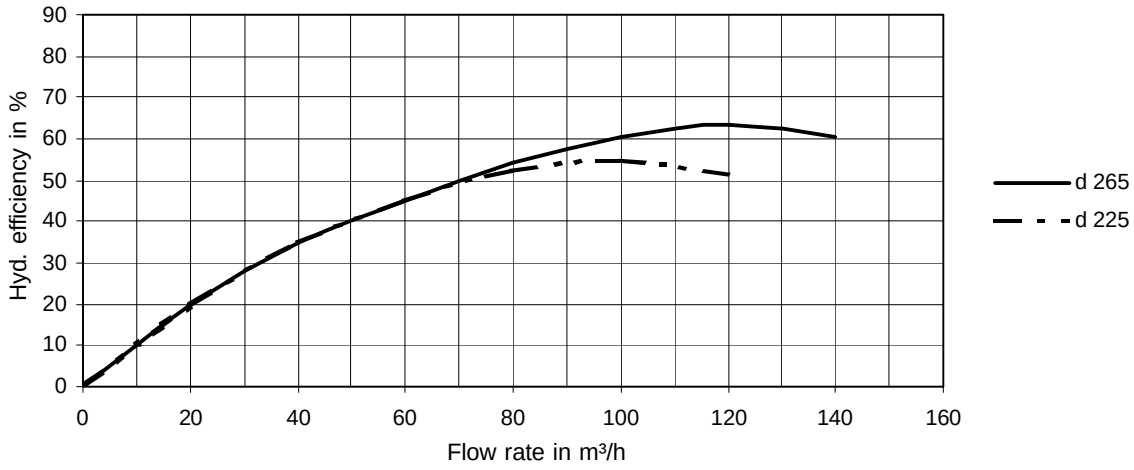
Type N 100 - 65 - 250

Motor kW: 30
Speed: 2900

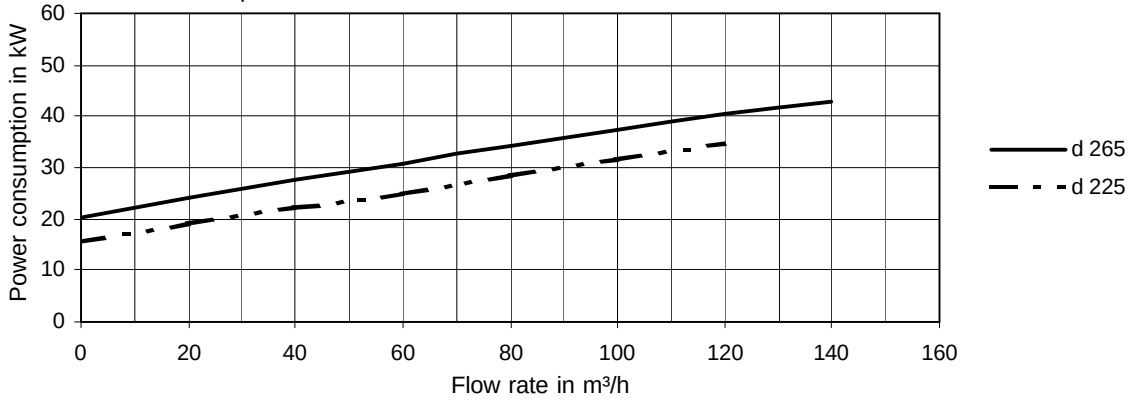
Flow rate



Efficiency

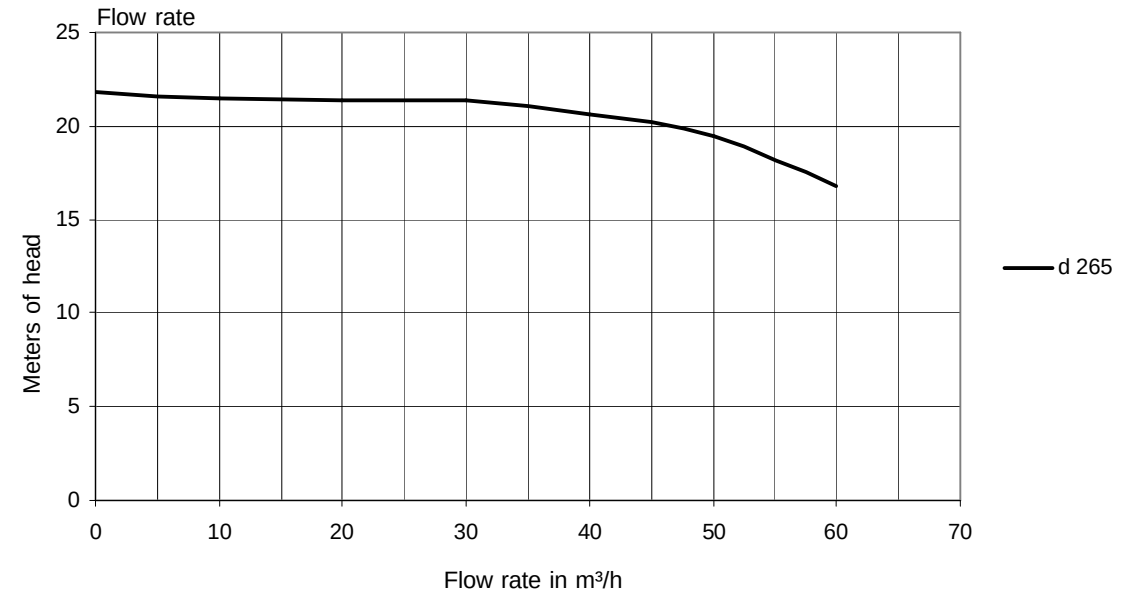


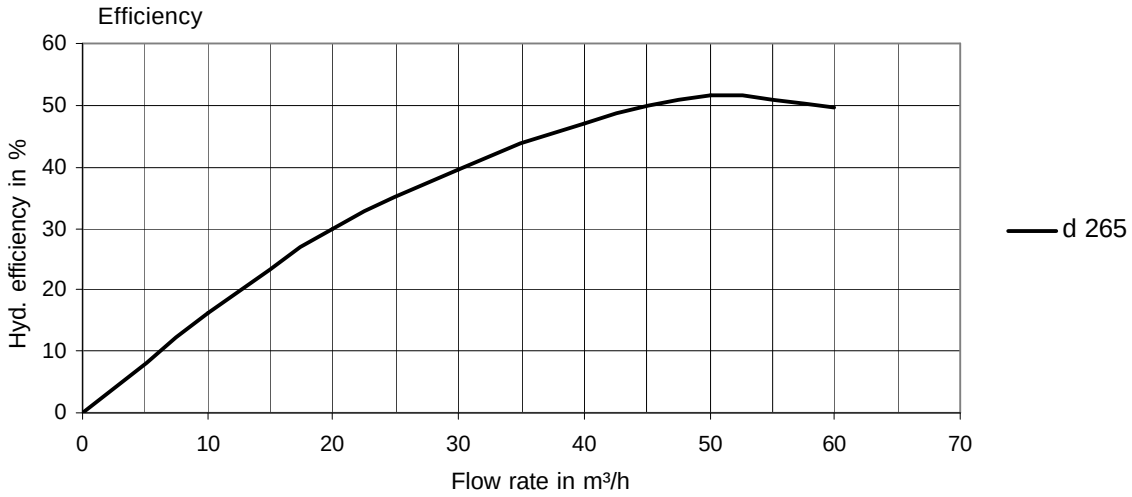
Power consumption

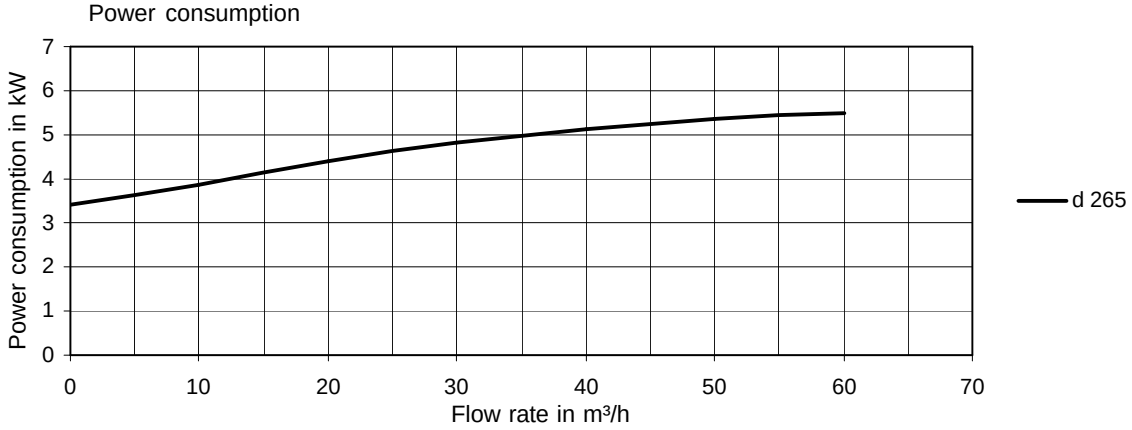


Type N 100 - 65 - 250

Motor kW: 5,5
Speed: 1450

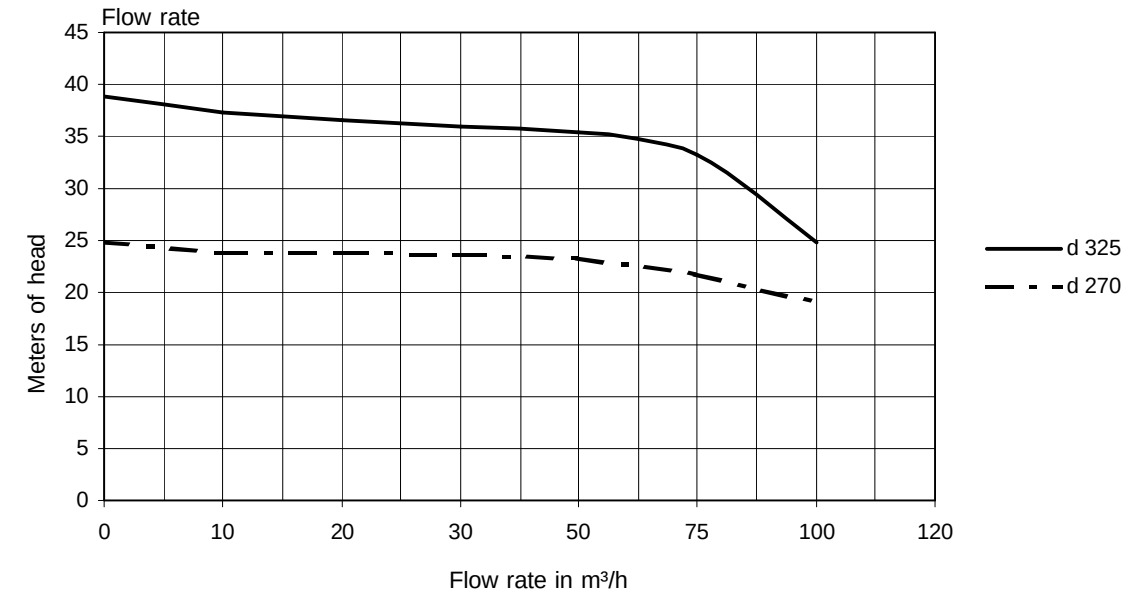


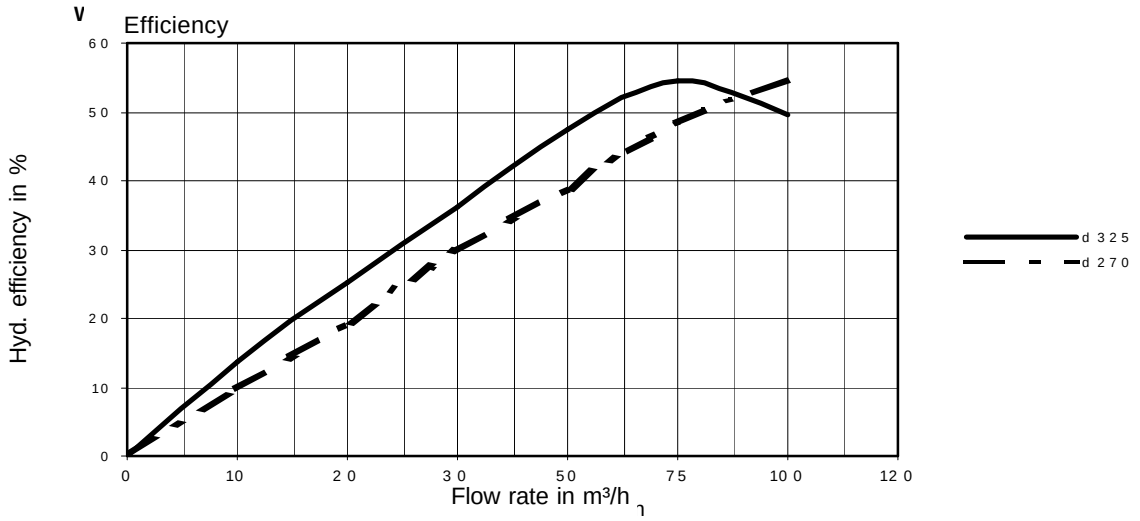


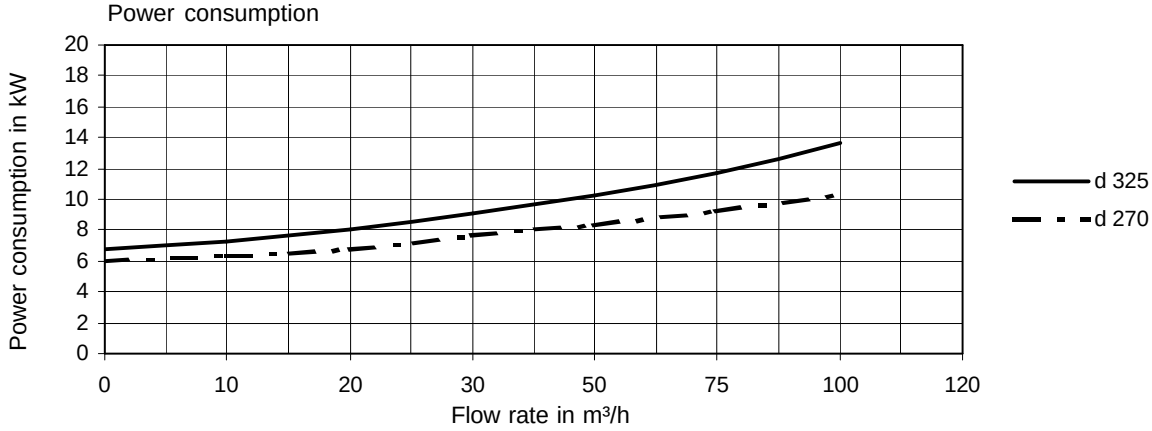


Type N 100 - 65 - 315

Motor kW: 18,5
Speed: 1450

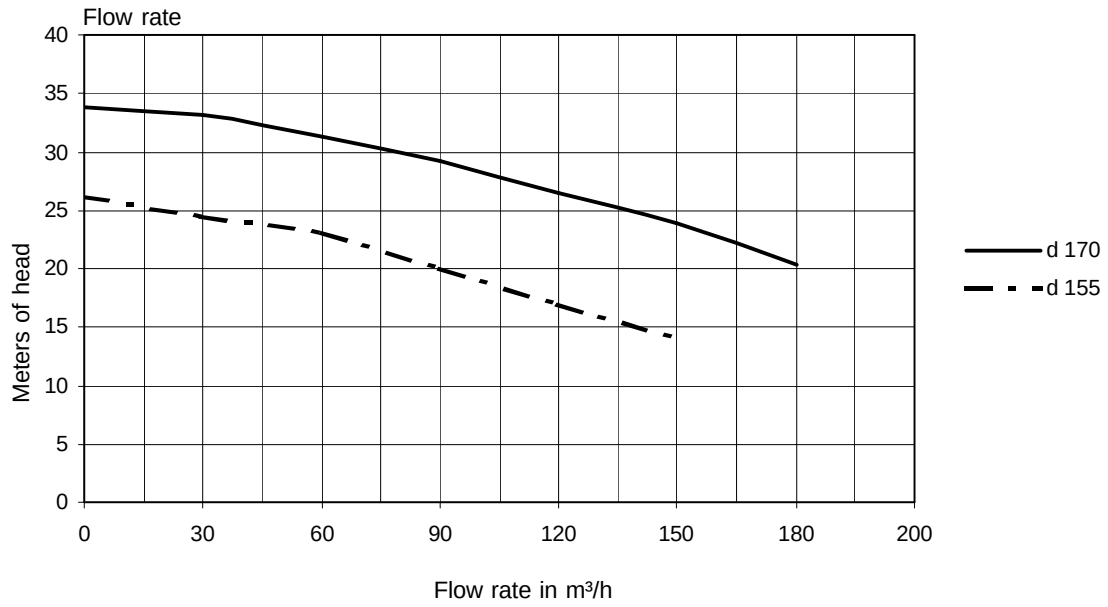


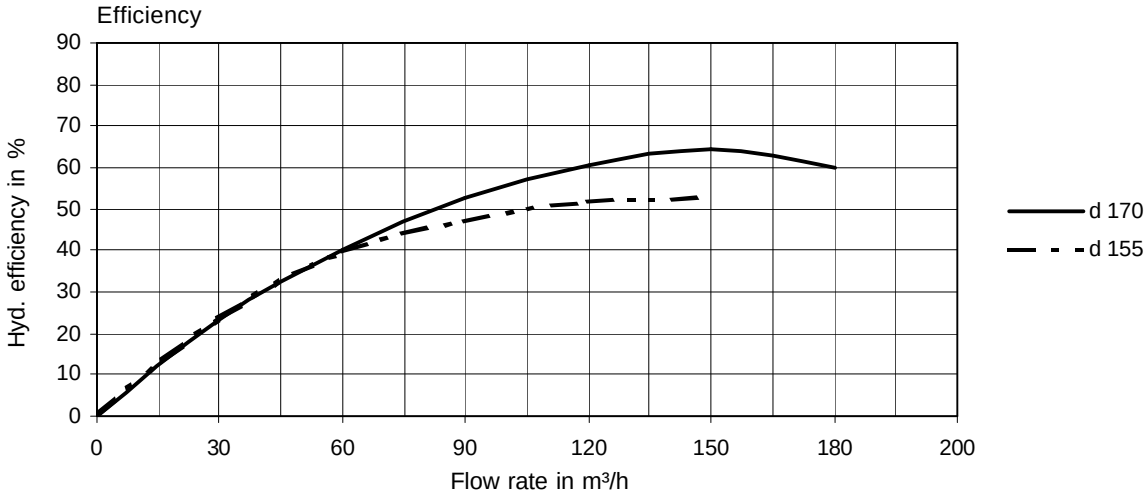


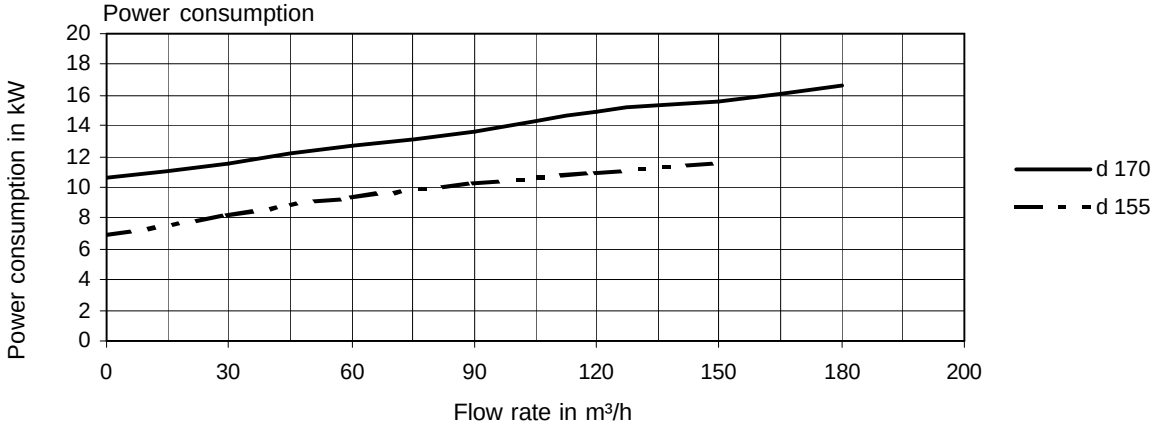


Type N 125 - 80 - 160

Motor kW: 15
Speed: 2900

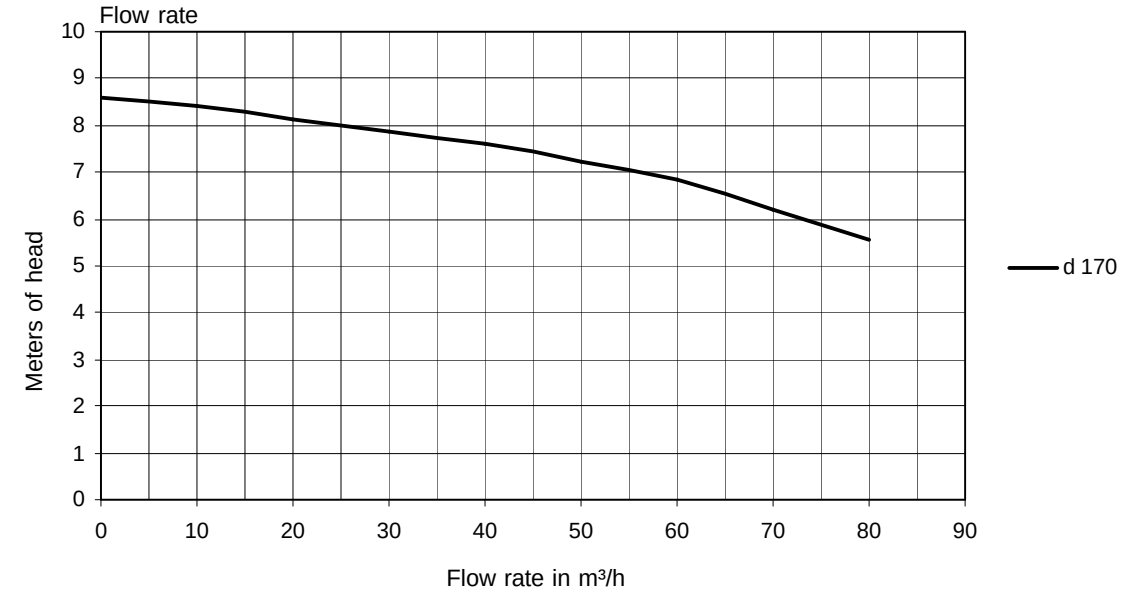


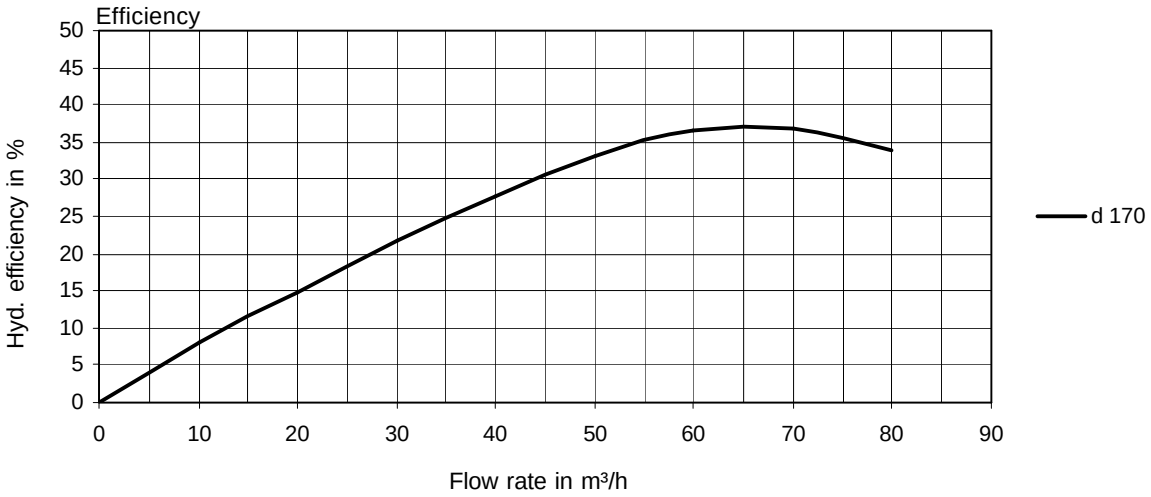


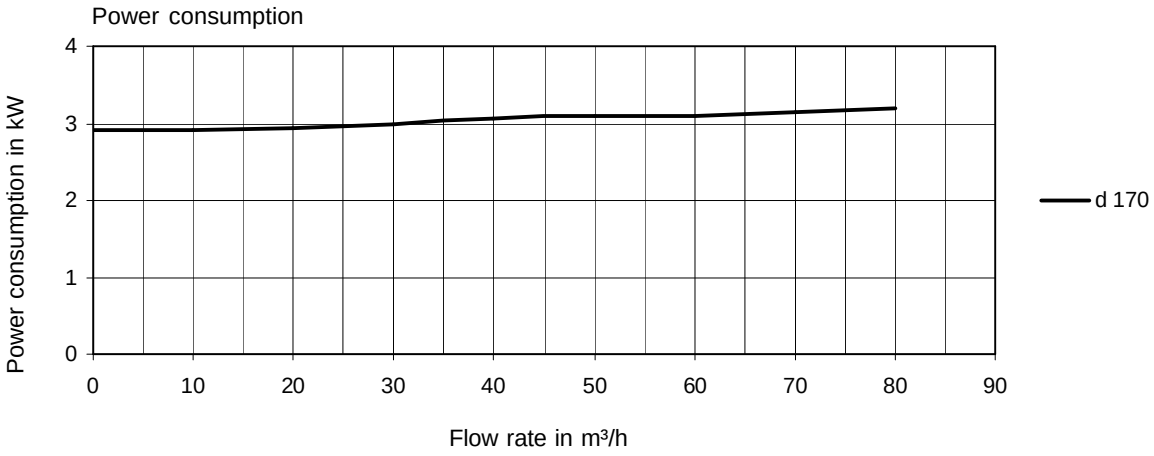


Type N 125 - 80 - 160

Motor kW: 5,5
Speed: 1450

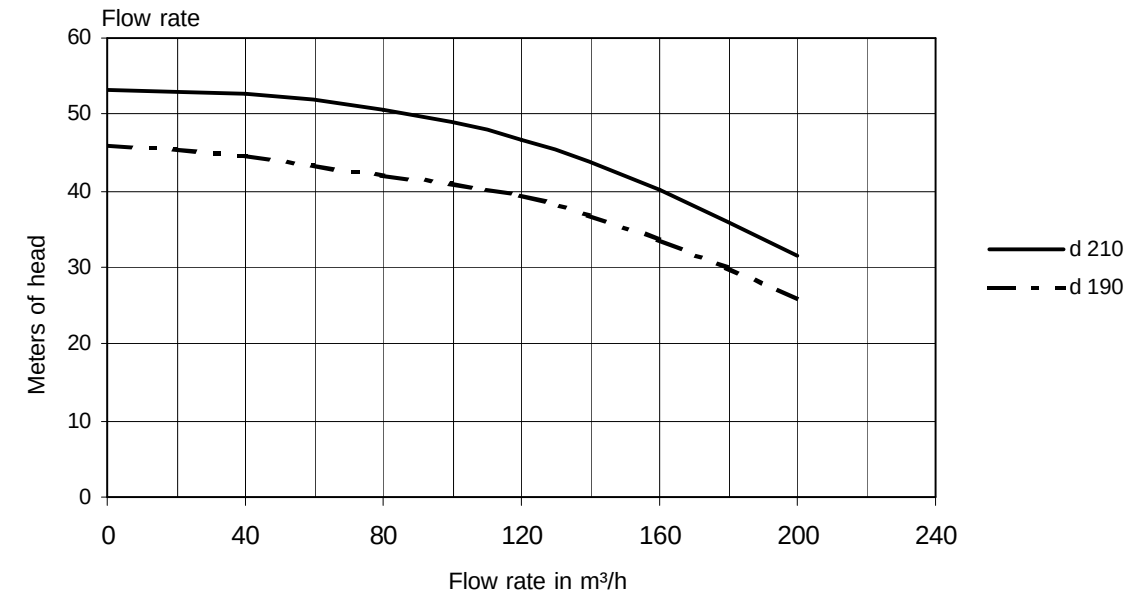


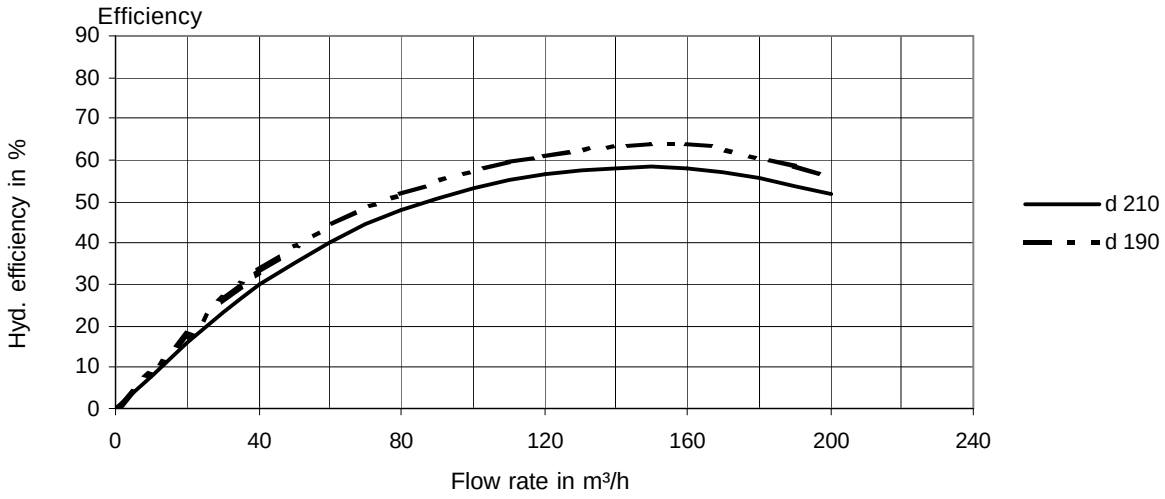


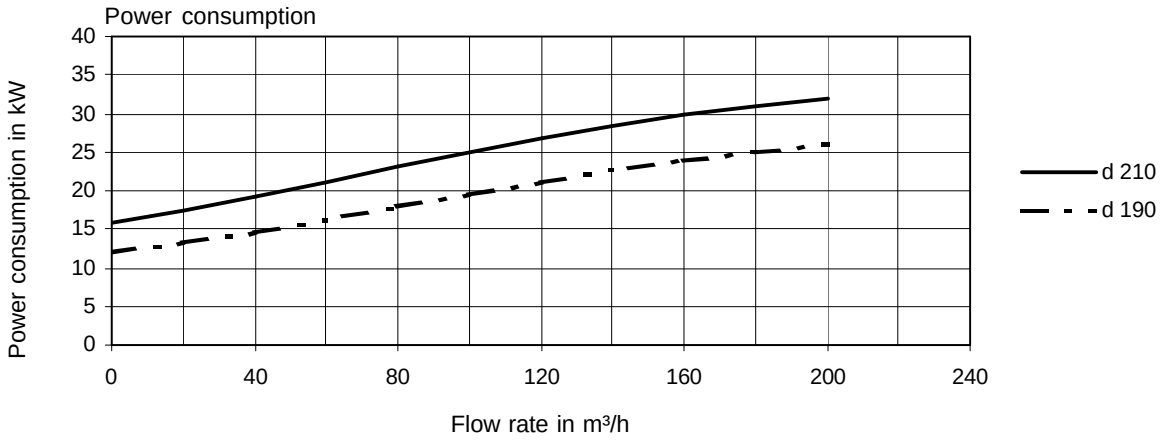


Type N 125 - 80 - 200

Motor kW: 30
Speed: 2900

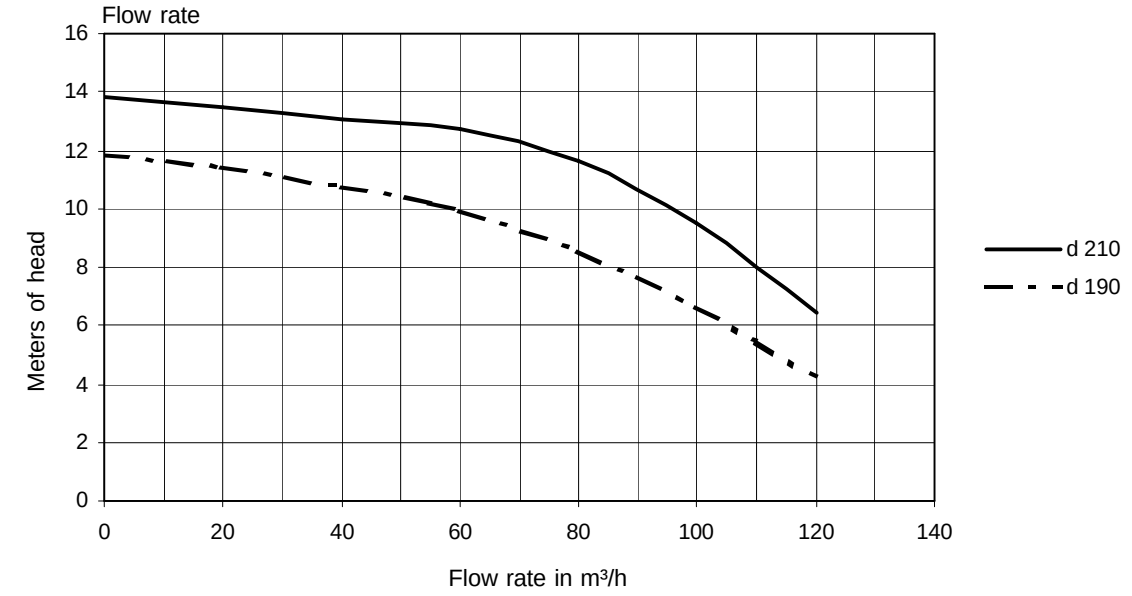


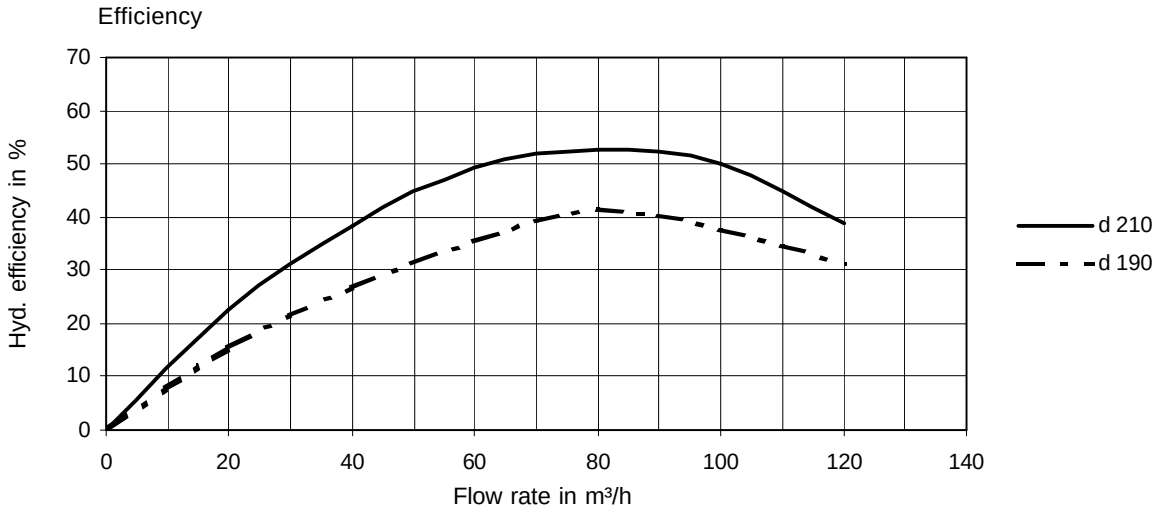


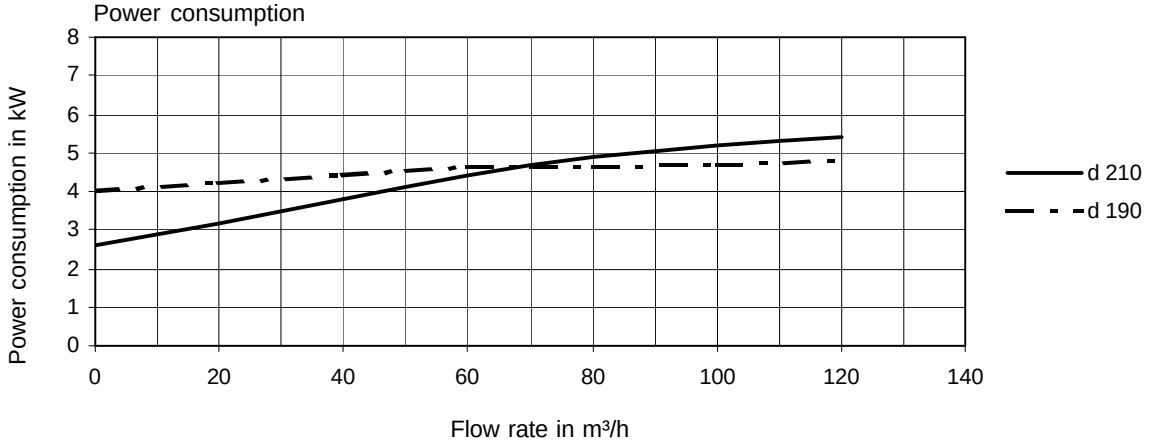


Type N 125 - 80 - 200

Motor kW: 7,5
Speed: 1450

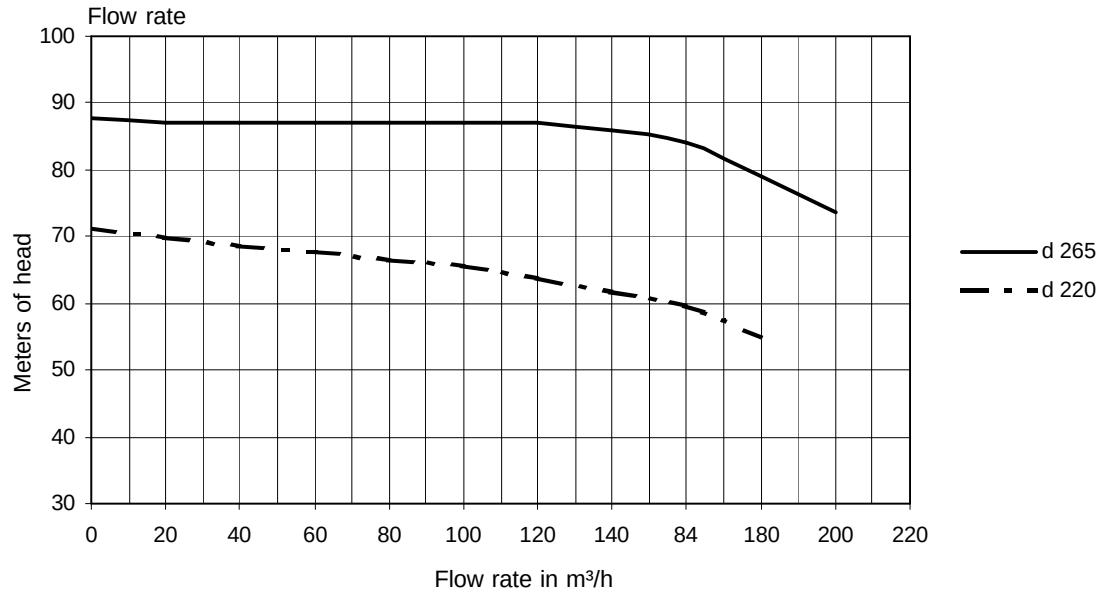


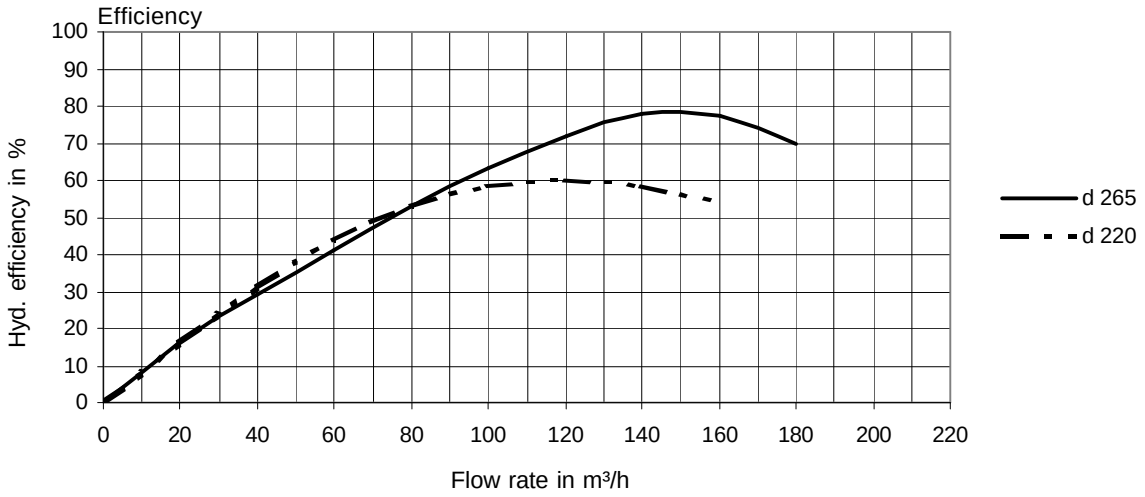


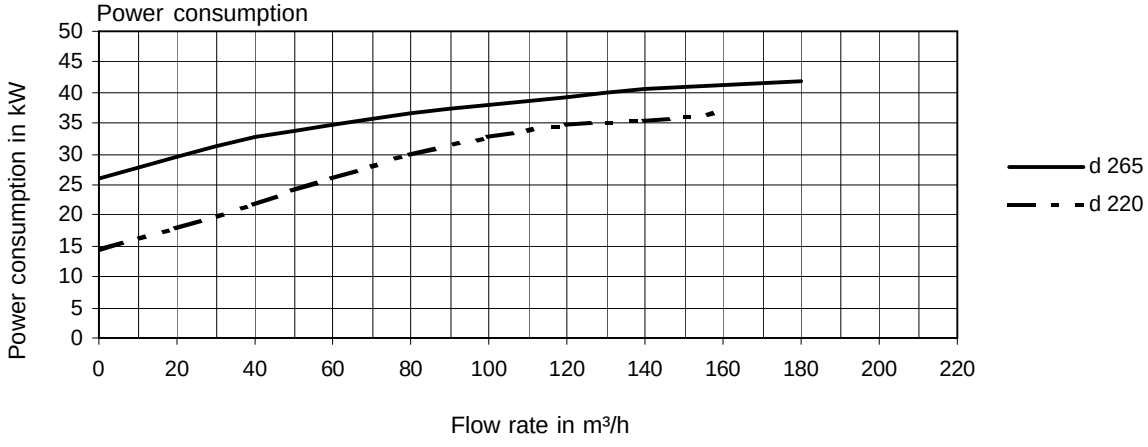


Type N 125 - 80 - 250

Motor kW: 15
Speed: 2900

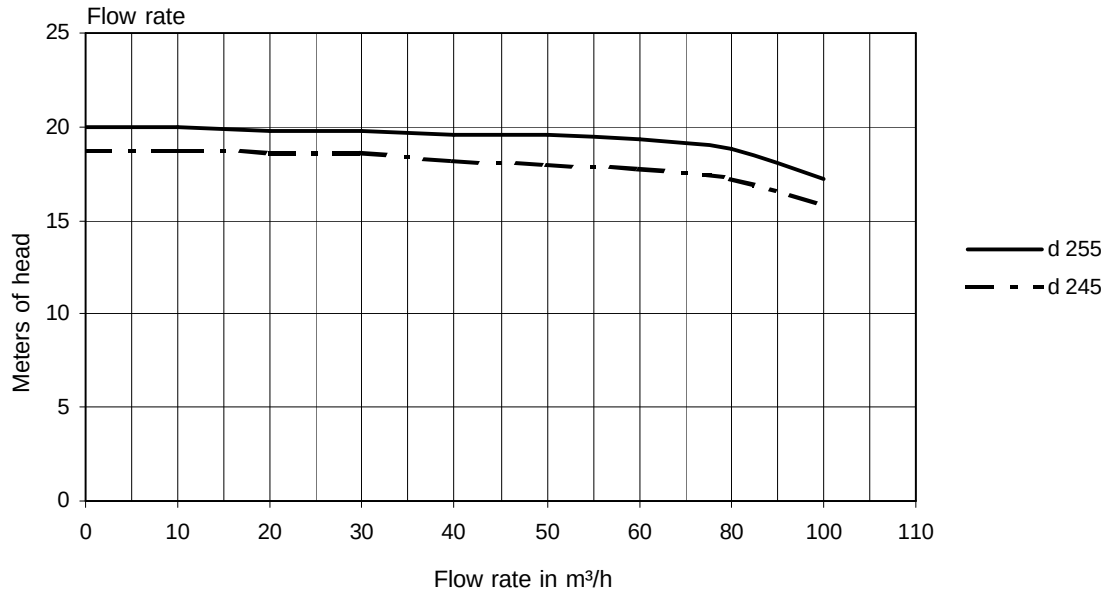


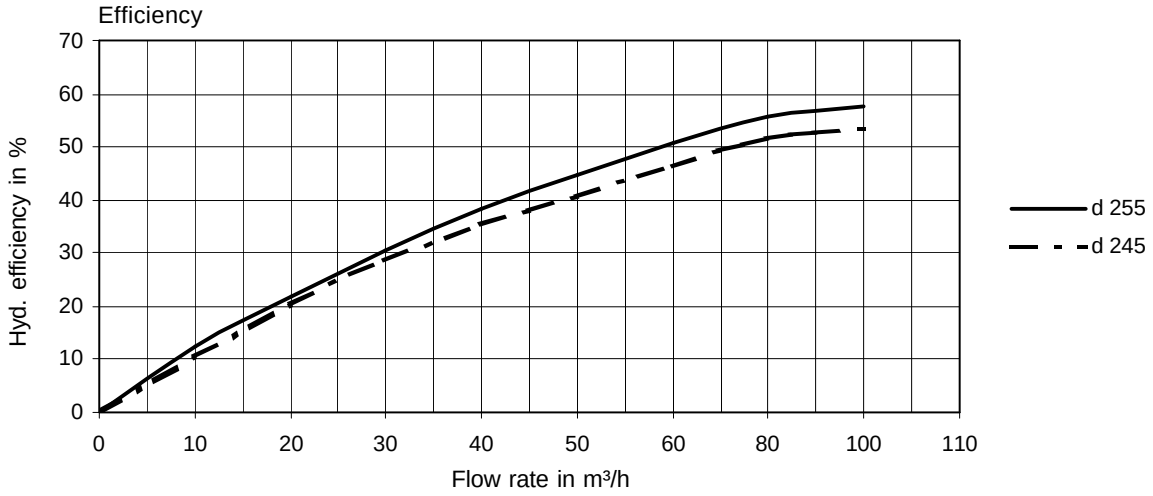


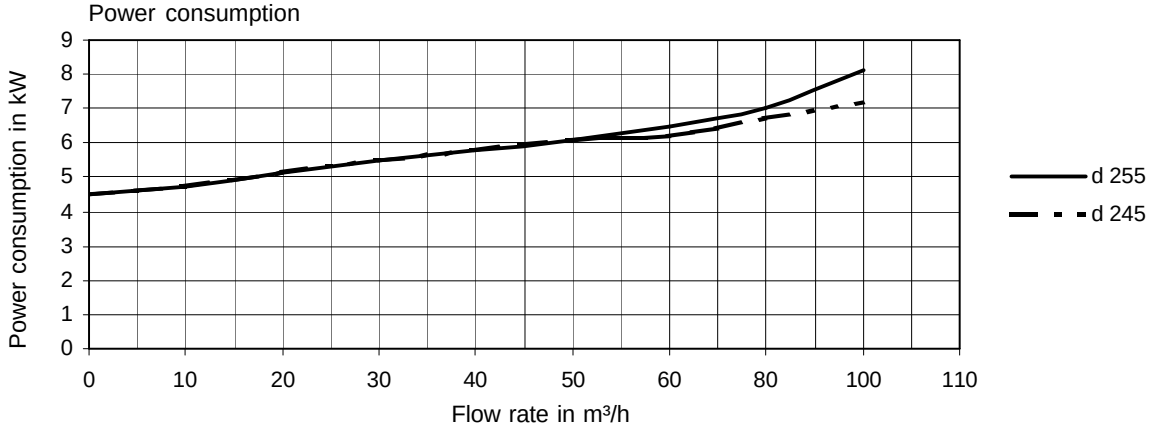


Type N 125 - 80 - 250

Motor kW: 11
Speed: 1450

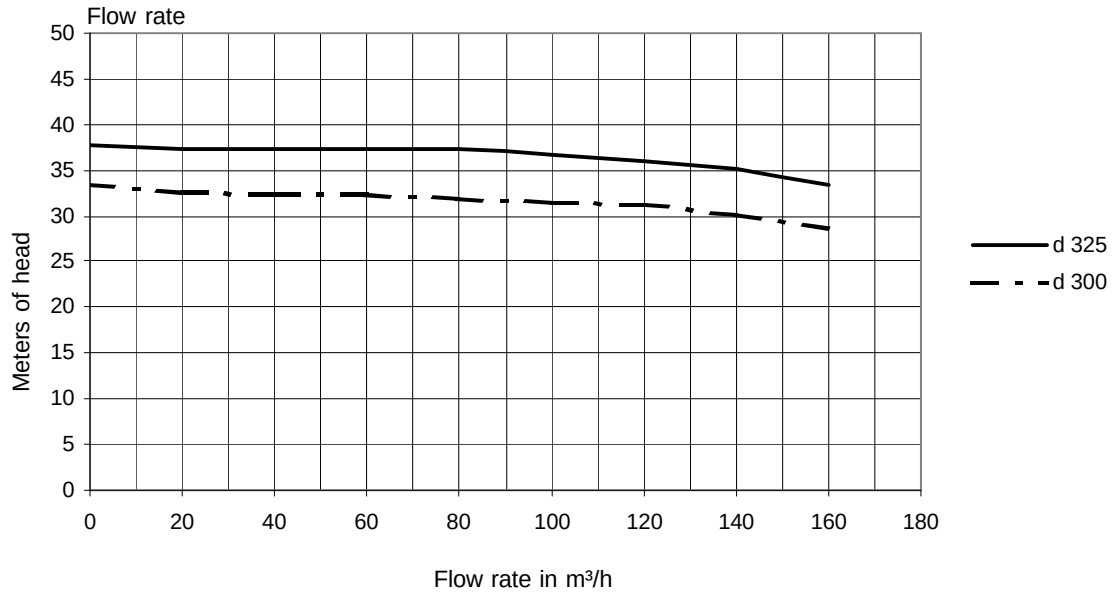


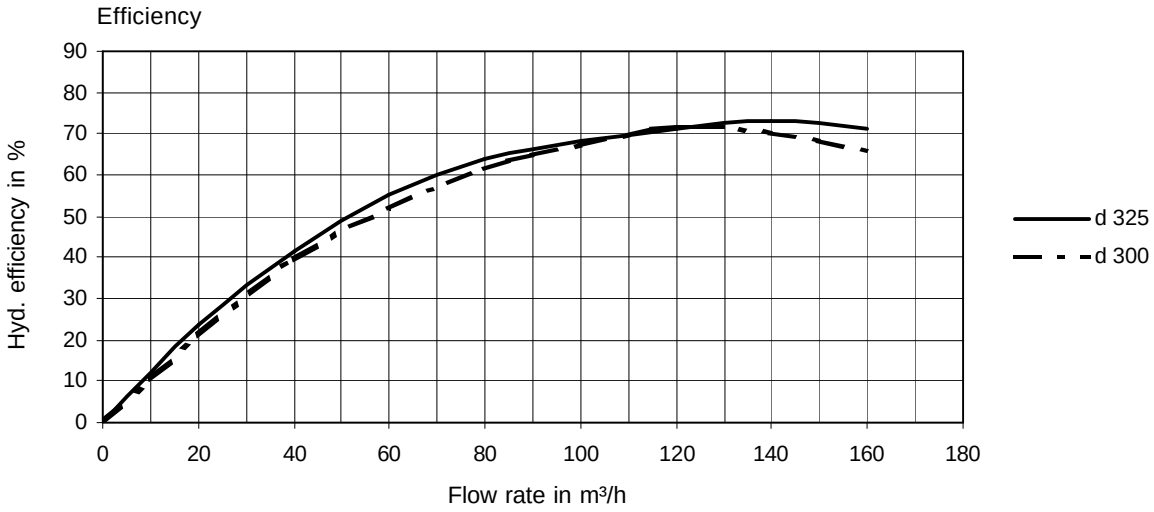


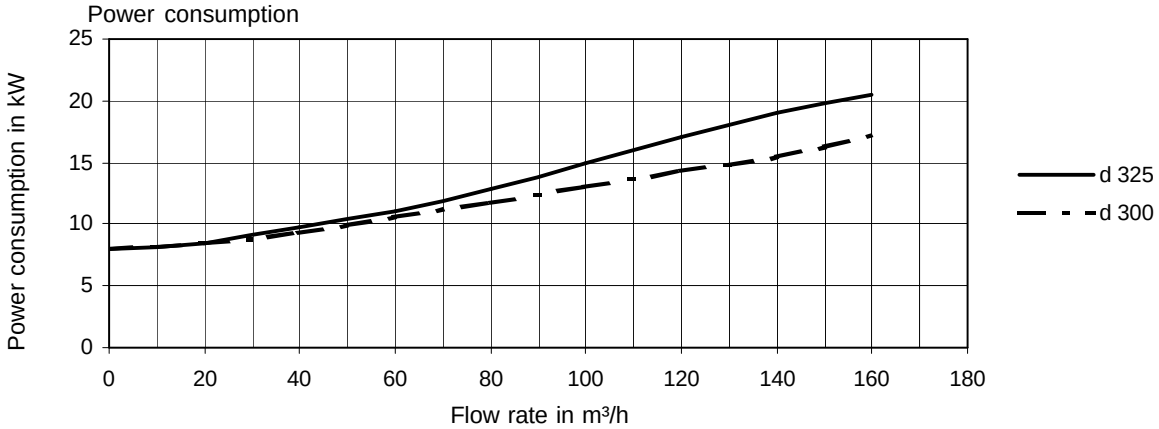


Type N 125 - 80 - 315

Motor kW: 20
Speed: 1450

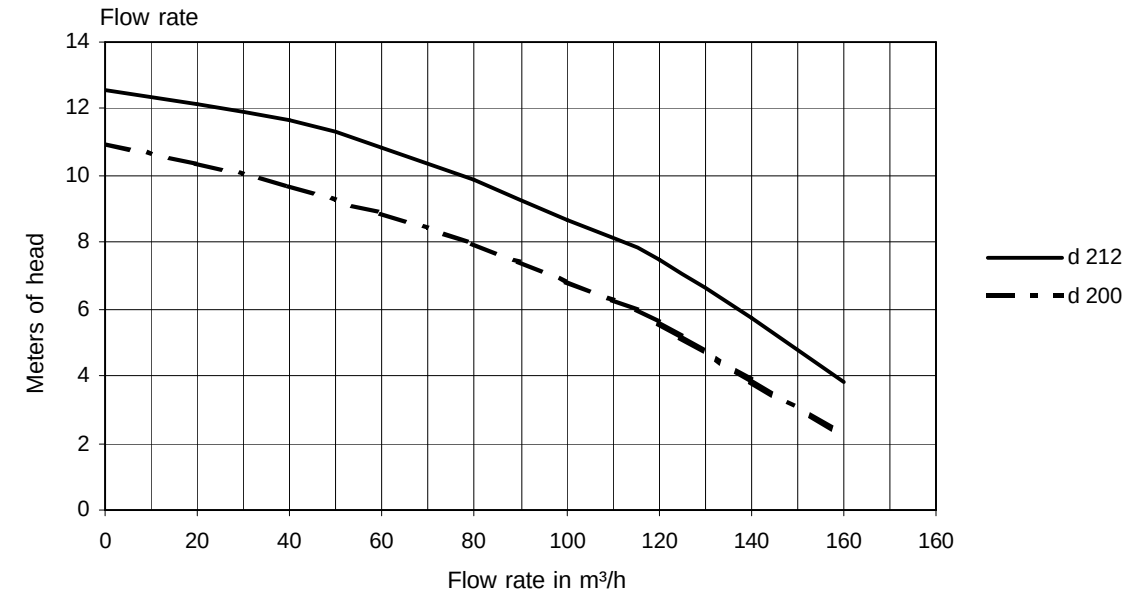


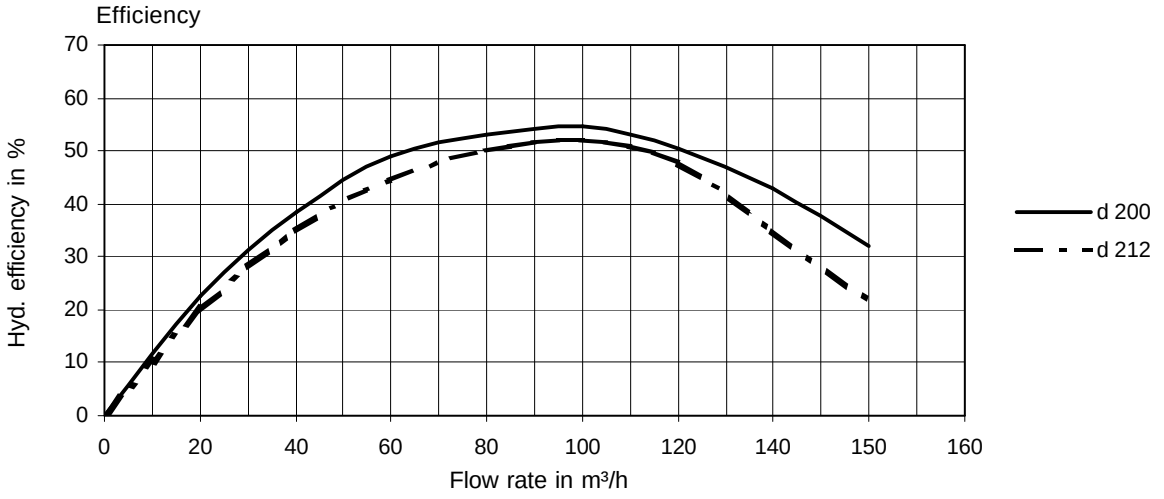


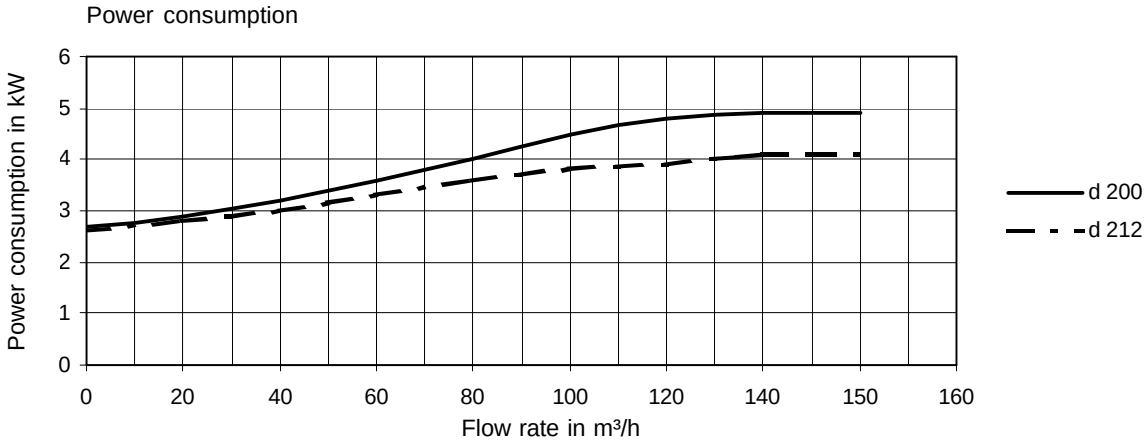


Type N 125 - 100 - 200

Motor kW: 5,5
Speed: 1450



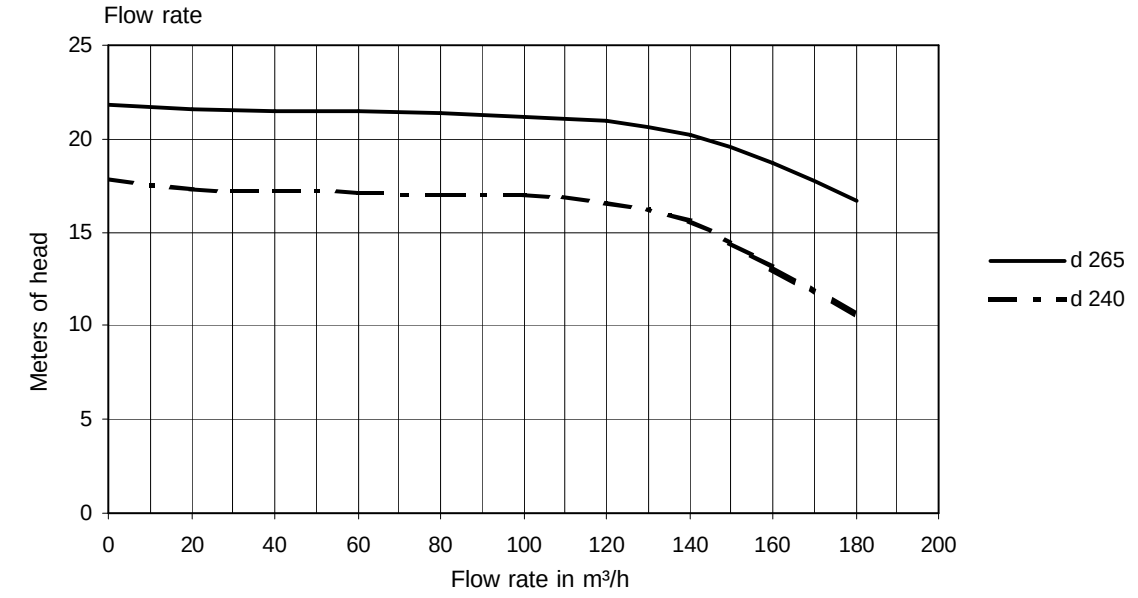


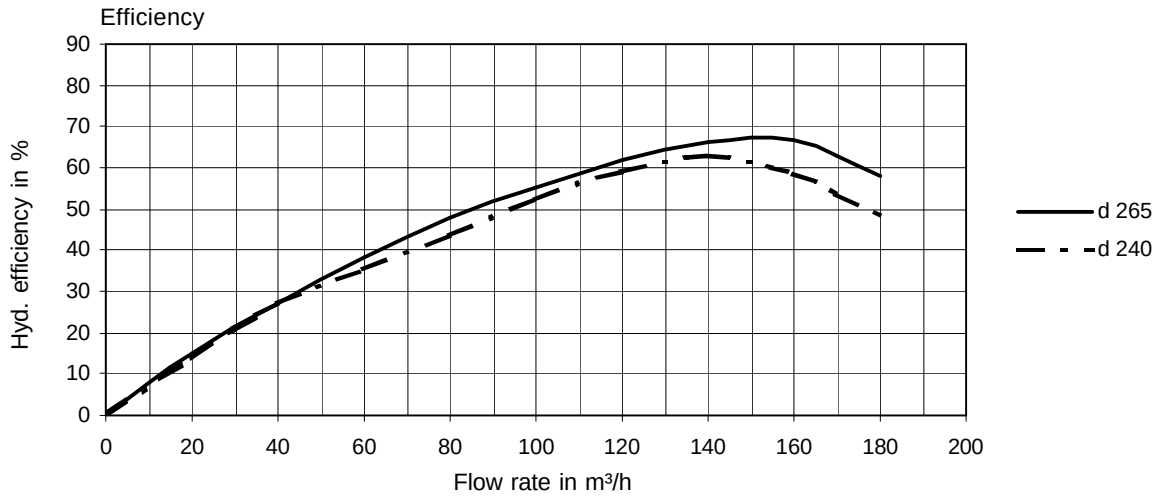


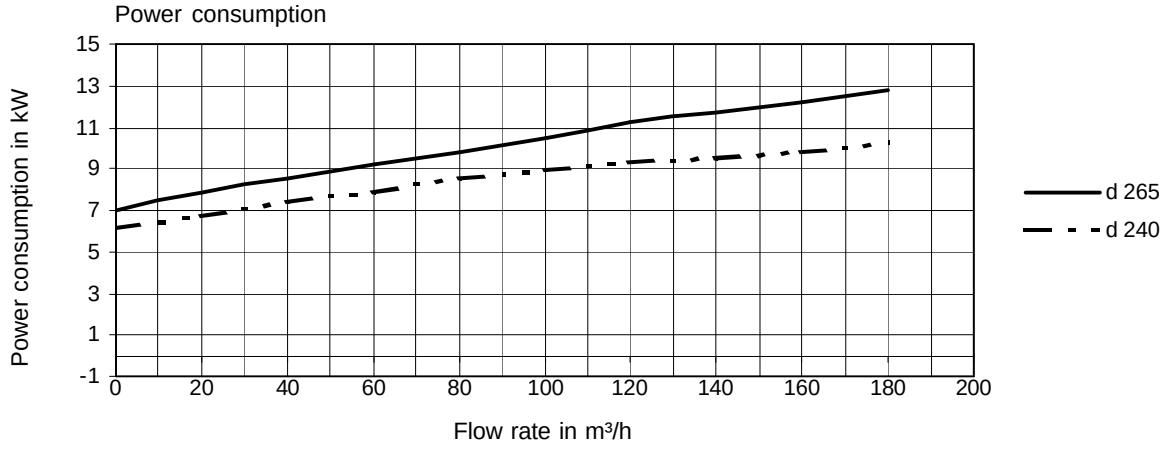
Standard Pump N

Type N 125 - 100 - 250

Motor kW: 15
Speed: 1450

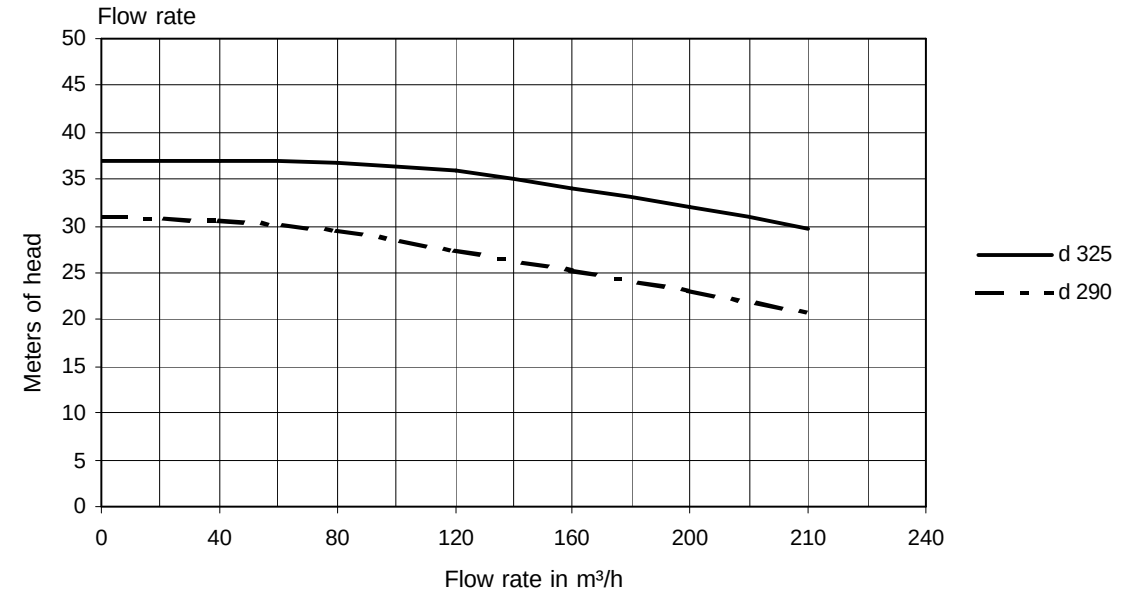


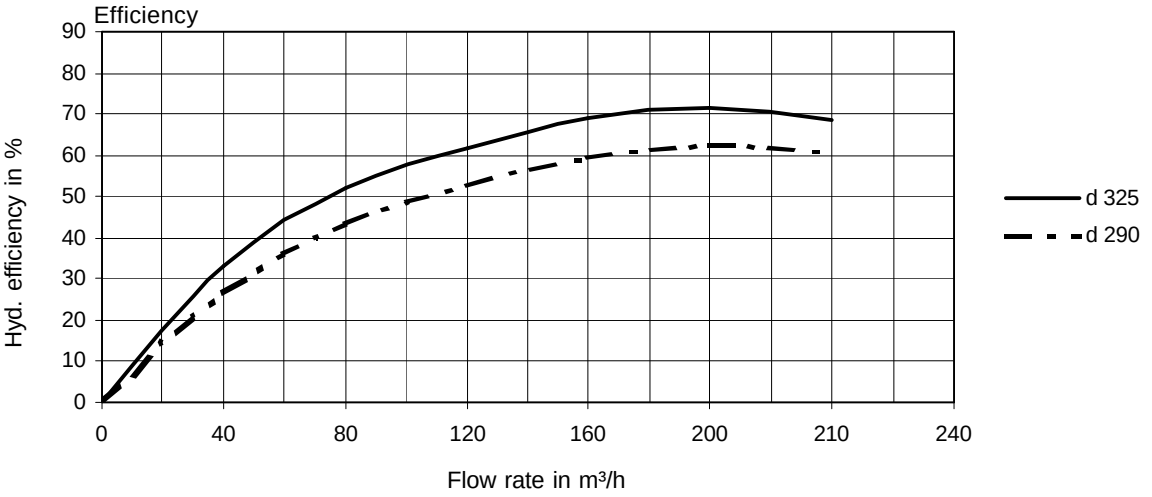


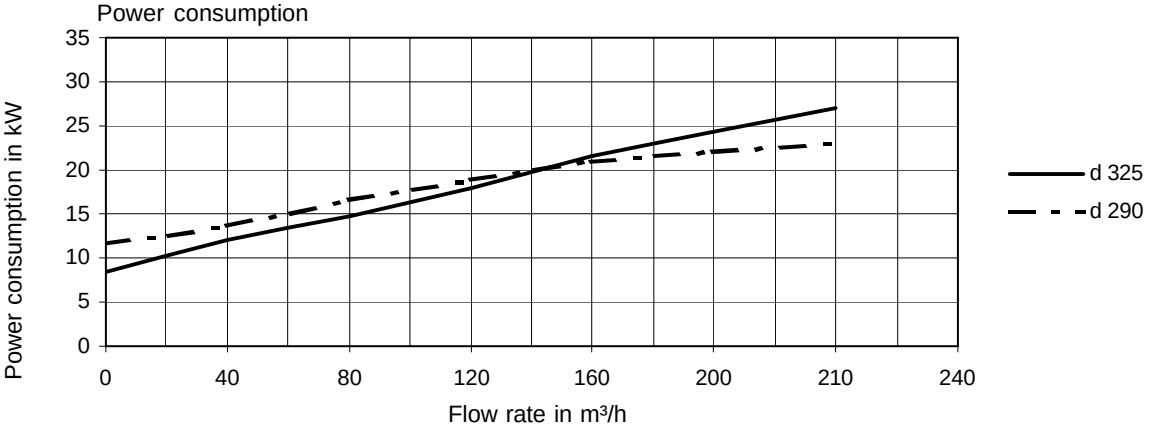


Type N 125 - 100 - 315

Motor kW: 22
Speed: 1450



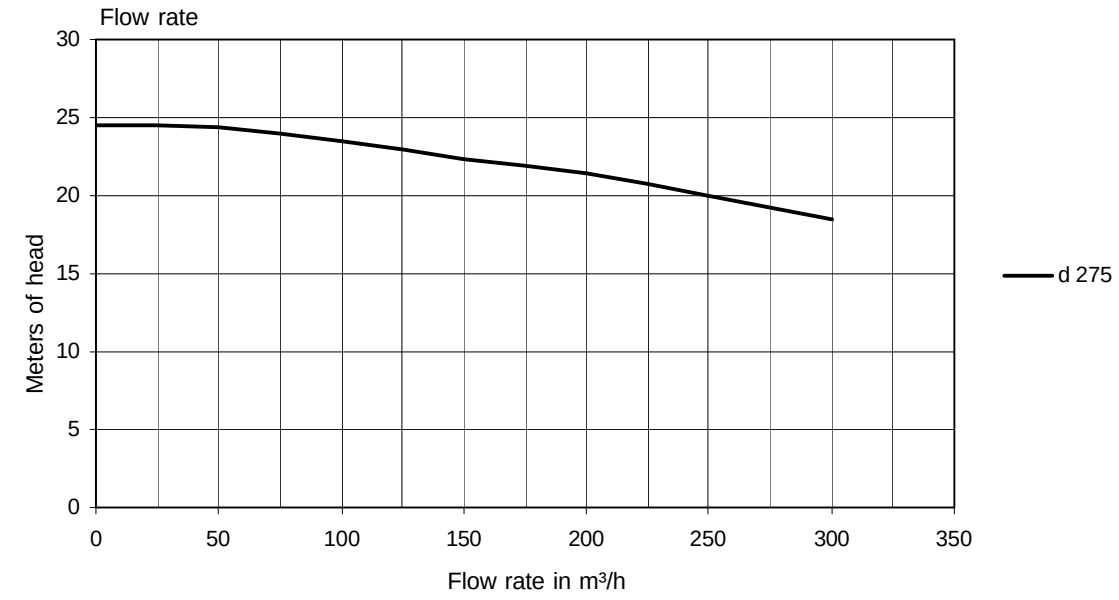


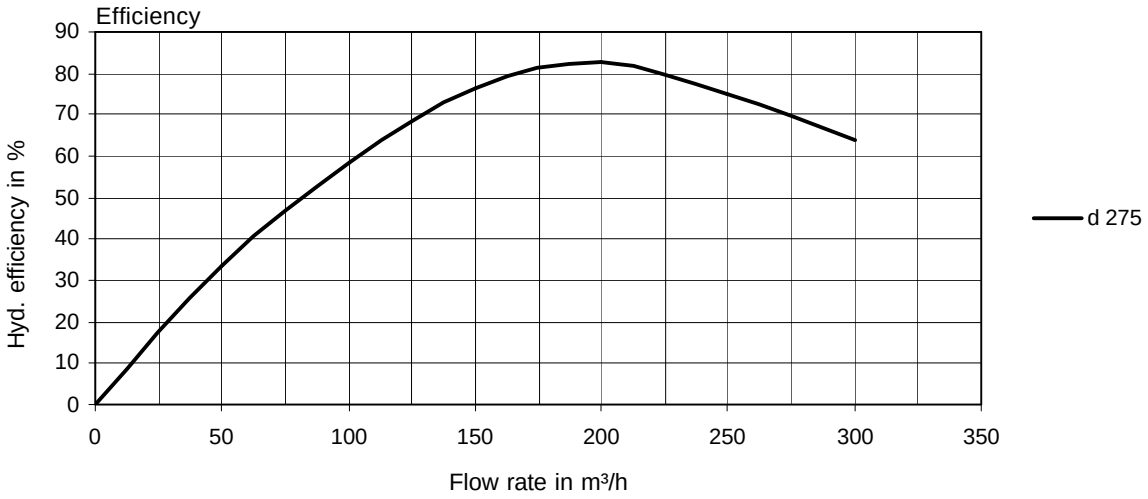


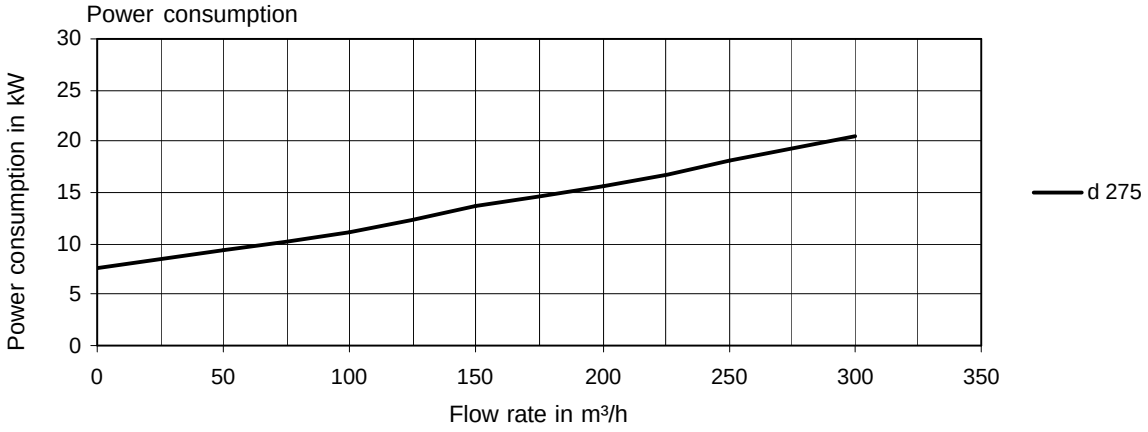
Standard Pump N

Type N 150 - 125 - 250

Motor kW: 11
Speed: 1450







Standard Pump N

Type N 200 - 150 - 250

Motor kW: 18,5
Speed: 1450