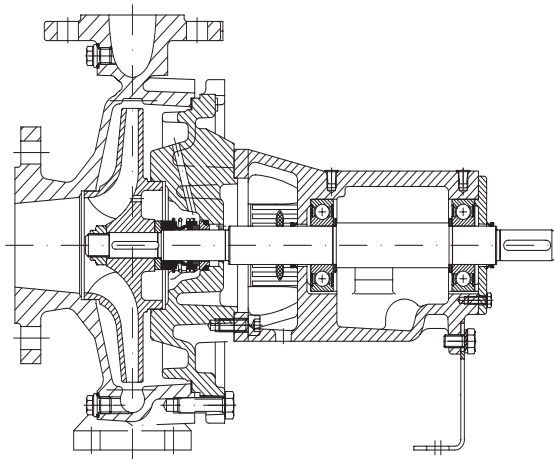
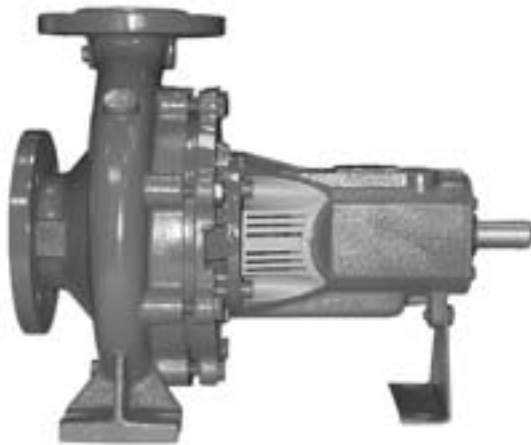


**ENR**



## End Suction Centrifugal Pump





### DESCRIPTION

Single-stage end suction centrifugal pump. Volute pump casing with cast pump feet. Bearing support with foot. Axial suction and radial discharge upwards. Totally enclosed radial impeller. Hydraulic balance by means of wearing ring and balancing holes. Lifetime lubricated ball bearings. Mechanical shaft seal according to DIN 24960 (Gland packing optional).

### APPLICATIONS

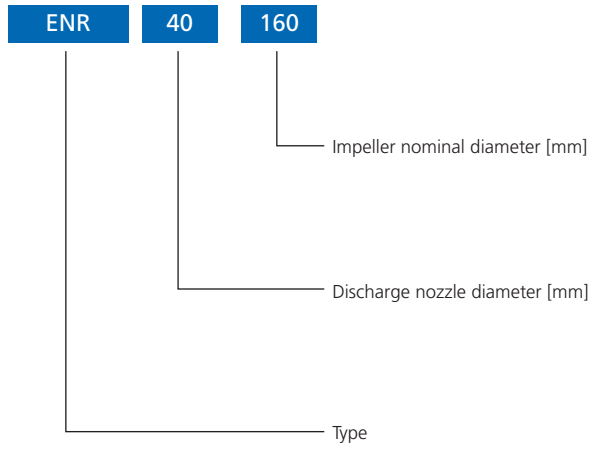
- Water supply duties for municipalities and industries.
- Irrigation.
- Drainage clean water.
- Heating and air conditioning.
- Hot and chilled water.
- Fresh and sea water.
- Fire protection.

### TECHNICAL PECULIARITIES

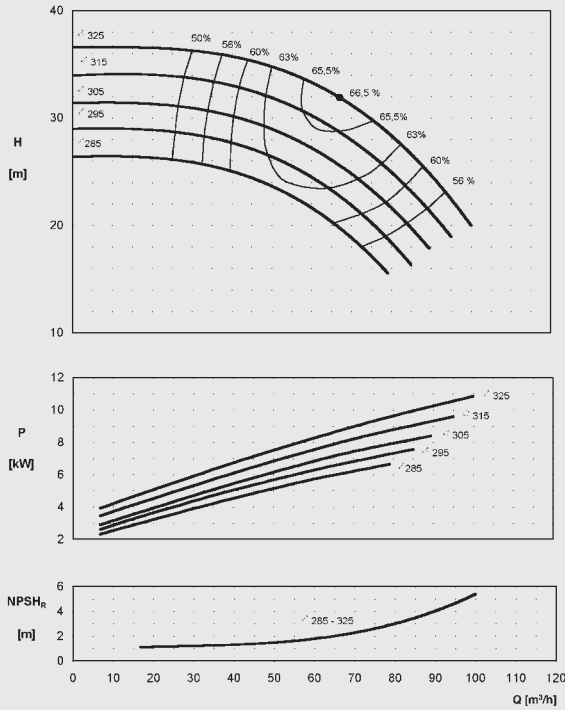
The ENR pump is designed for pumping clean water according with EN 733 (DIN 24255), plus 19 additional sizes. The design of the pump allows the complete drive unit to be withdrawn from the casing without disturbing the attached pipe work. If a spacer type coupling is used, it is also unnecessary to disconnect the motor. The range covers 50 sizes with only 5 different bearing brackets.



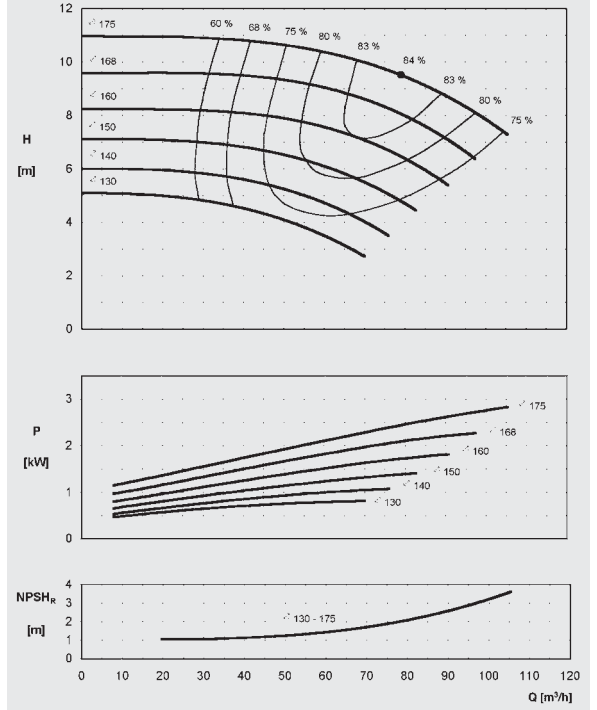
#### IDENTIFICATIONAL CODE



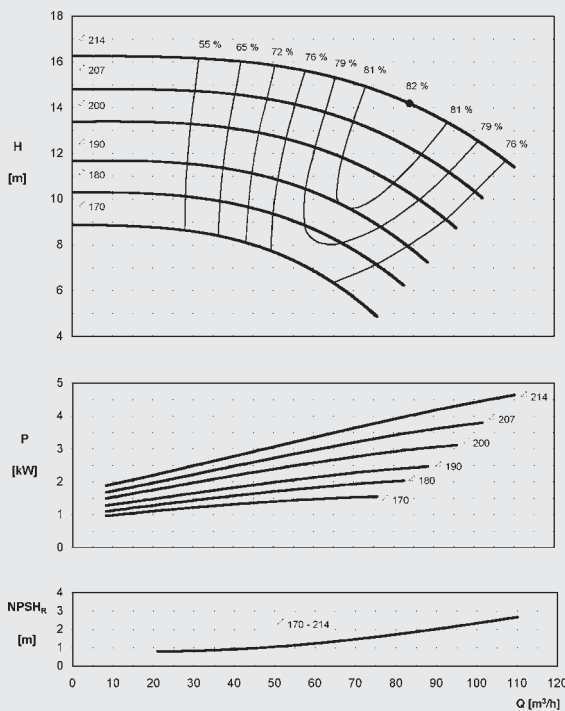
### 65-315



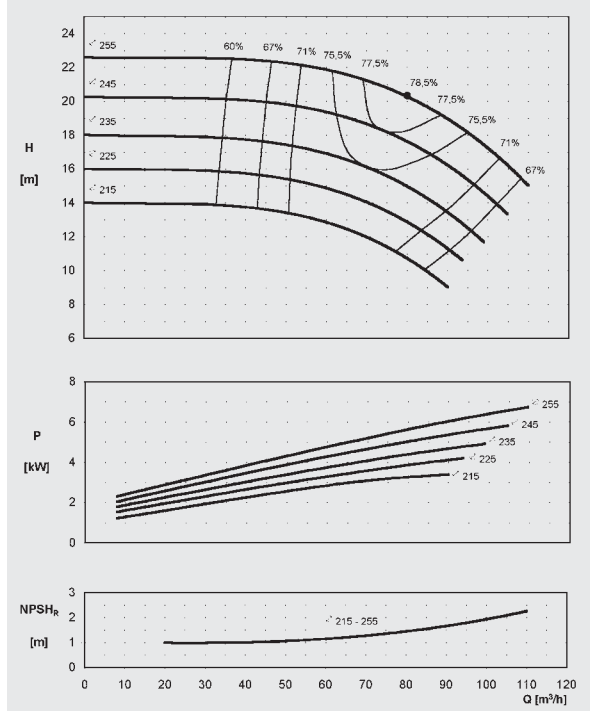
### 80-160



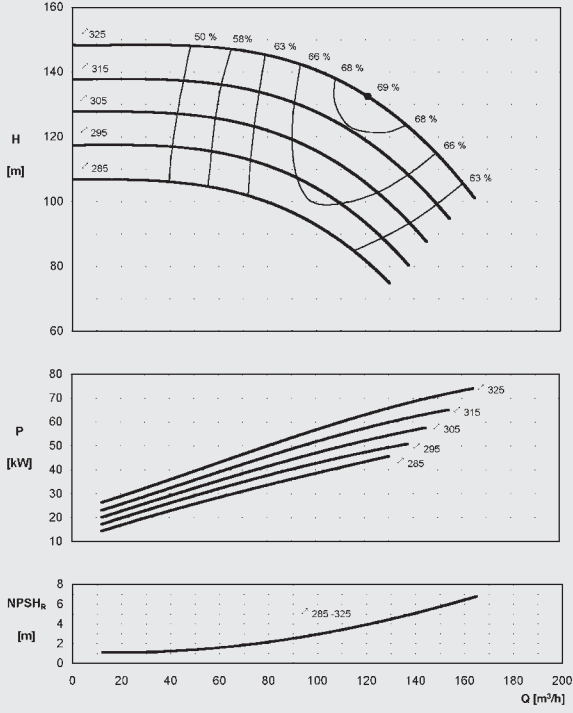
### 80-200



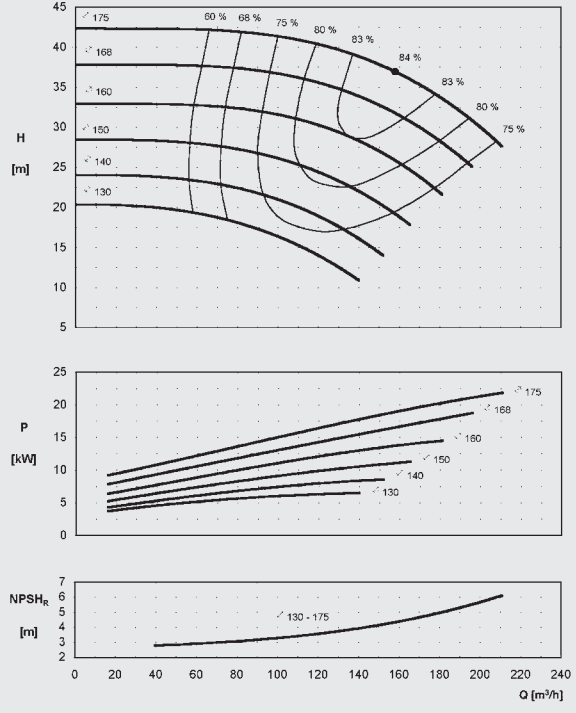
### 80-250



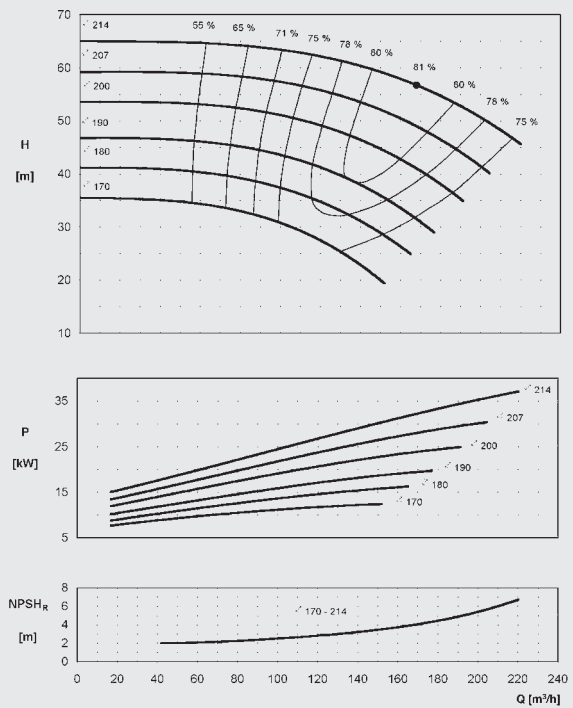
**65-315**



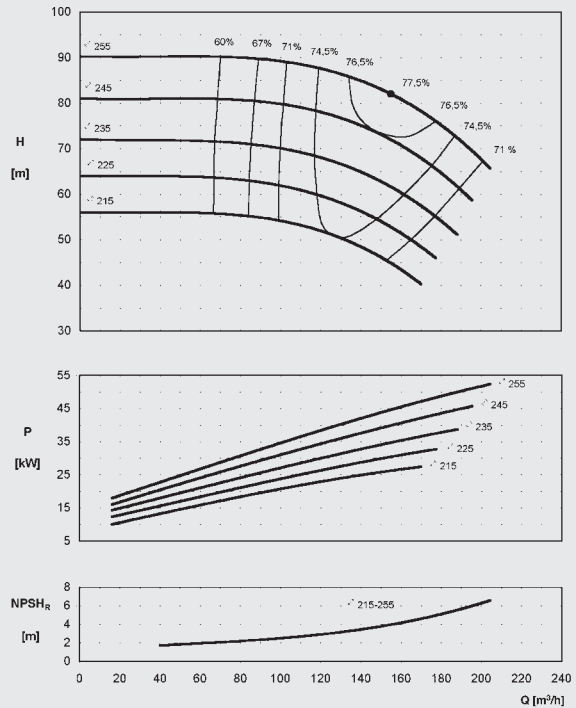
**80-160**



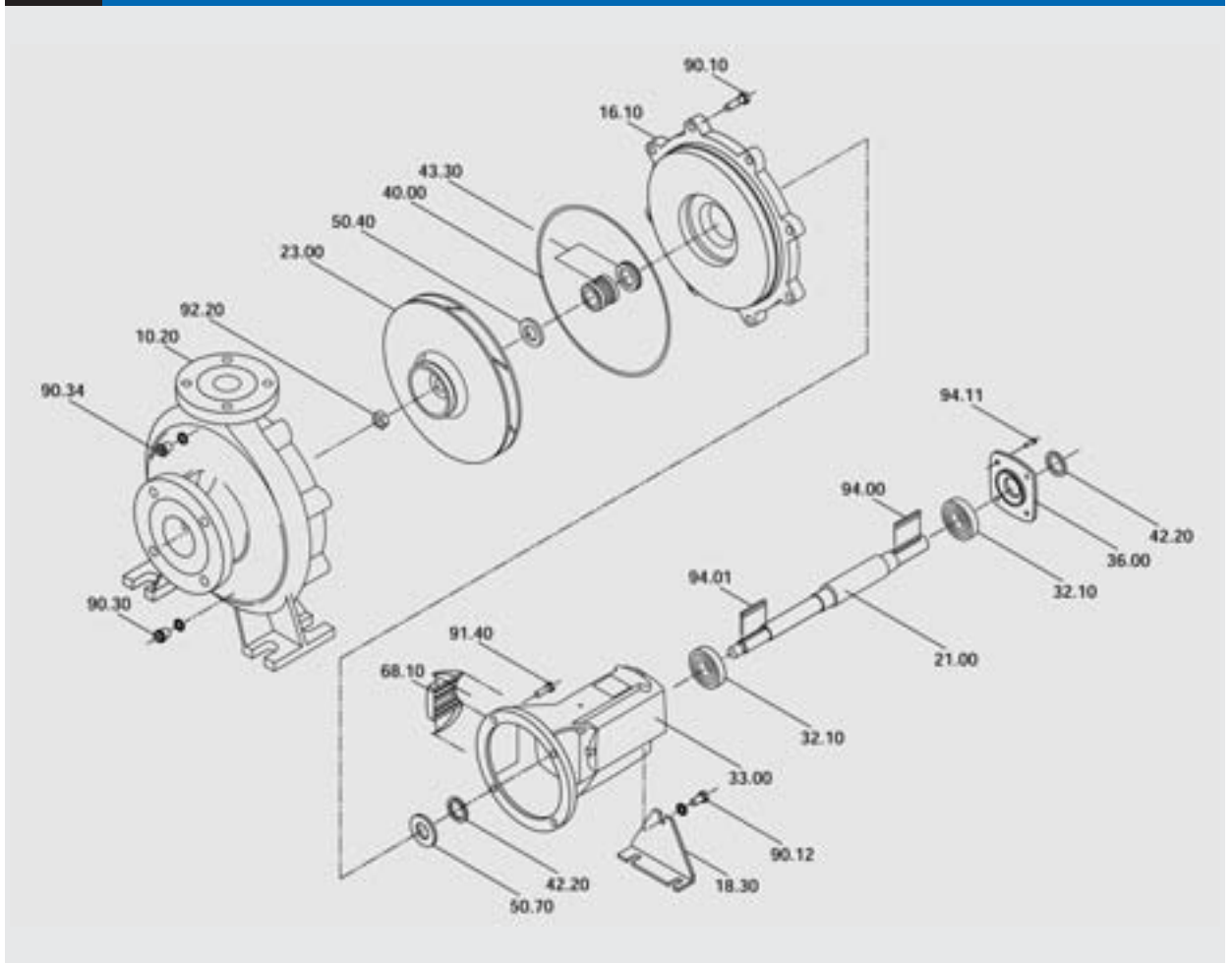
**80-200**



**80-250**



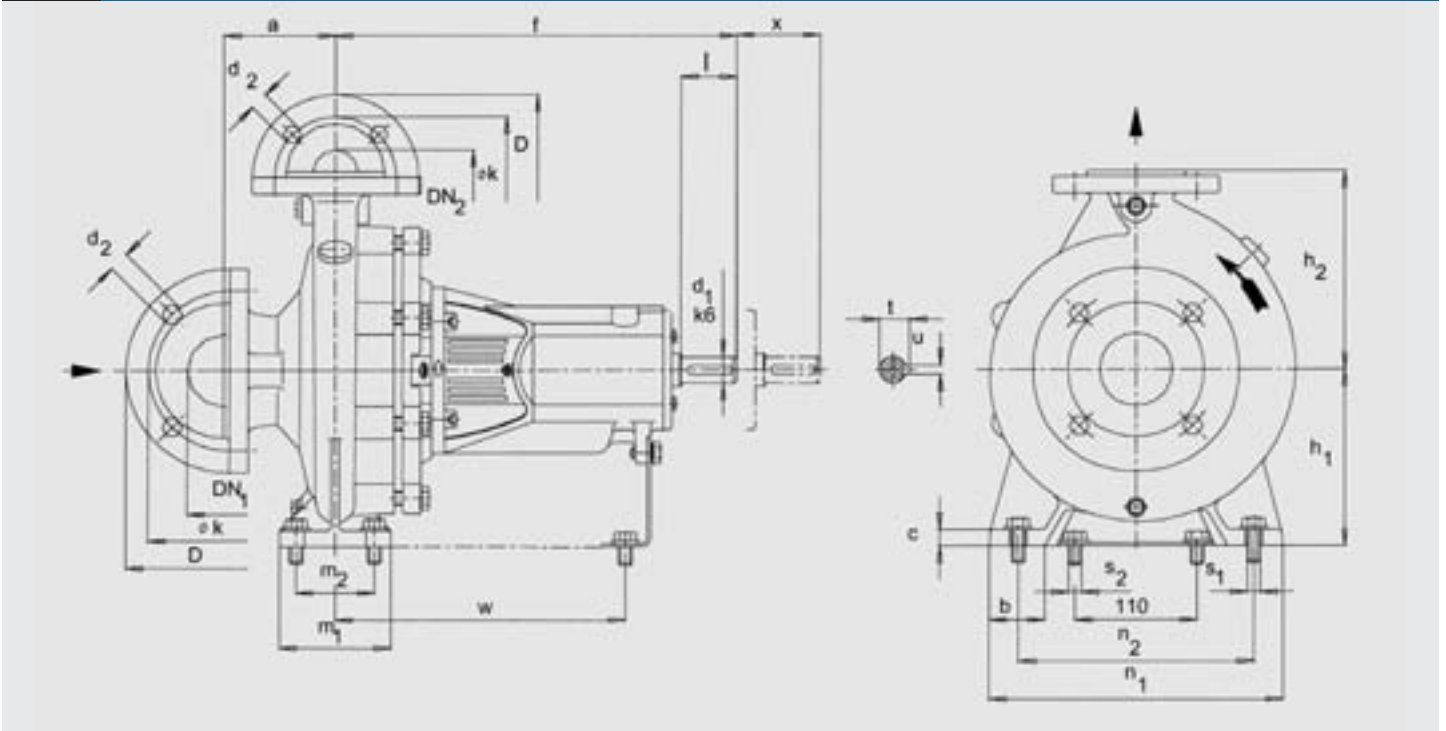
#### EXPLODED VIEW AND LIST OF COMPONENTS



PART	DESCRIPTION	N° of pumps		
		1÷3	4÷7	≥7
10.20	Volute casing			
16.10	Casing cover			
18.30	Pump foot			
21.00	Shaft			
23.00	Impeller			
32.10	Ball bearing			
33.00	Bearing housing			
36.00	Bearing cover			
40.00	Casing gasket			
42.20	V seal			
43.30	Mechanical seal			
50.40	Distance ring			
50.70	Thrower			
68.10	Protection screen			
90.10	Casing screw			
90.11	Bearing cover screw			
90.12	Foot screw			
90.30	Draining plug			
90.34	Priming plug			
91.40	Housing screw			
92.20	Impeller nut			
94.00	Shaft side key			
94.01	Impeller key			

PART	DESCRIPTION	N° of pumps		
		1÷3	4÷7	≥7
21.00	Complete shaft	2	3	4
23.00	Impeller	1	2	3
32.10	Ball bearing (set)	2	3	4
43.30	Mechanical seal	2	3	4
-	Gasket kit	2	3	4

#### DIMENSIONS BEARING BRACKET 25, 35 & 45



### OUTLINE DIMENSIONS

Pump size	Sup.	Pump dimensions						Foot dimensions							Shaft end					Weight kg																
		DN2	DN1	a	f	h1	h2	b	c	m1	m2	n1	n2	s1*	s2*	w	x	d1	l		t	u														
32-125	25	32	50	80	360	112	140	50	15	100	70	190	140	M12	M12	260	100	24	50	27	8	31														
32-160						132	160					240	190									33														
32-200						160	180					210	160									34														
32-250 <sup>1)</sup>						180	225					320	250									46														
40-125	25	40	65	80	360	112	140	50	15	100	70	210	160	M12	M12	260	100	24	50	27	8	28														
40-160						132	160					240	190									30														
40-200						160	180					265	212									36														
40-250						180	225					320	250									46														
40-315 <sup>1)</sup>	35	50	65	125	470	225	250	65	18	125	95	345	280	M12	M12	340	100	32	80	35	10	73														
50-125	132			160	240	190	30																													
50-160	160			180	265	212	36																													
50-200	180			225	320	250	40																													
50-250	25	50	65	100	360	200	200	50	15	100	70	265	212	M12	M12	260	100	24	50	27	8	50														
50-315 <sup>1)</sup>						180	225					320	250									40														
65-125						125	470					225	280									65	17	125	95	345	280	M12	M12	340	100	32	80	35	10	88
65-160						132	160					240	190									30														
65-200	160	180	265	212	36																															
65-250	180	225	320	250	40																															
65-315	25	65	80	100	360	160	180	65	15	125	95	280	212	M12	M12	260	100	24	50	27	8	33														
80-160						180	225					320	250									45														
80-200						200	250					360	280									48														
80-250						225	280					400	315									52														
80-315	35	80	100	125	470	200	280	80	18	160	120	400	315	M16	M12	340	140	32	80	35	10	70														
80-400 <sup>1)</sup>						250	315					435	355									370	140	42	110	45	12	143								
100-160 <sup>1)</sup>						180	225					320	250									40														
100-200						200	280					360	280									48														
100-250	25	50	65	100	360	225	315	50	15	100	70	265	212	M12	M12	260	100	24	50	27	8	78														
100-315						180	225					320	250									40														
100-400						200	280					400	315									52														
125-200 <sup>1)</sup>						125	470					225	280									65	17	125	95	345	280	M12	M12	340	100	32	80	35	10	85
125-250	132	160	240	190	30																															
125-315	160	180	265	212	36																															
125-400	180	225	320	250	40																															
150-200 <sup>1)</sup>	35	100	125	140	470	250	315	80	18	160	120	400	315	M16	M12	340	140	32	80	35	10	104														
150-250						280	355					435	355									370	140	42	110	45	12	177								
150-315						315	400					480	400									56														
150-400						350	450					550	450									64														
200-250 <sup>1)</sup>	45	200	200	160	590	280	400	100	22	200	150	500	400	M20	M12	430	180	42	110	45	12	230														

1) Transnorm pump sizes, not included in DIN 24255 / EN 733. Flanges drilled according to ANSI 150 on request.

\* Slots suitable for bolts with dimensions indicated. Bolts are not included in the bare shaft pump standard scope of supply.