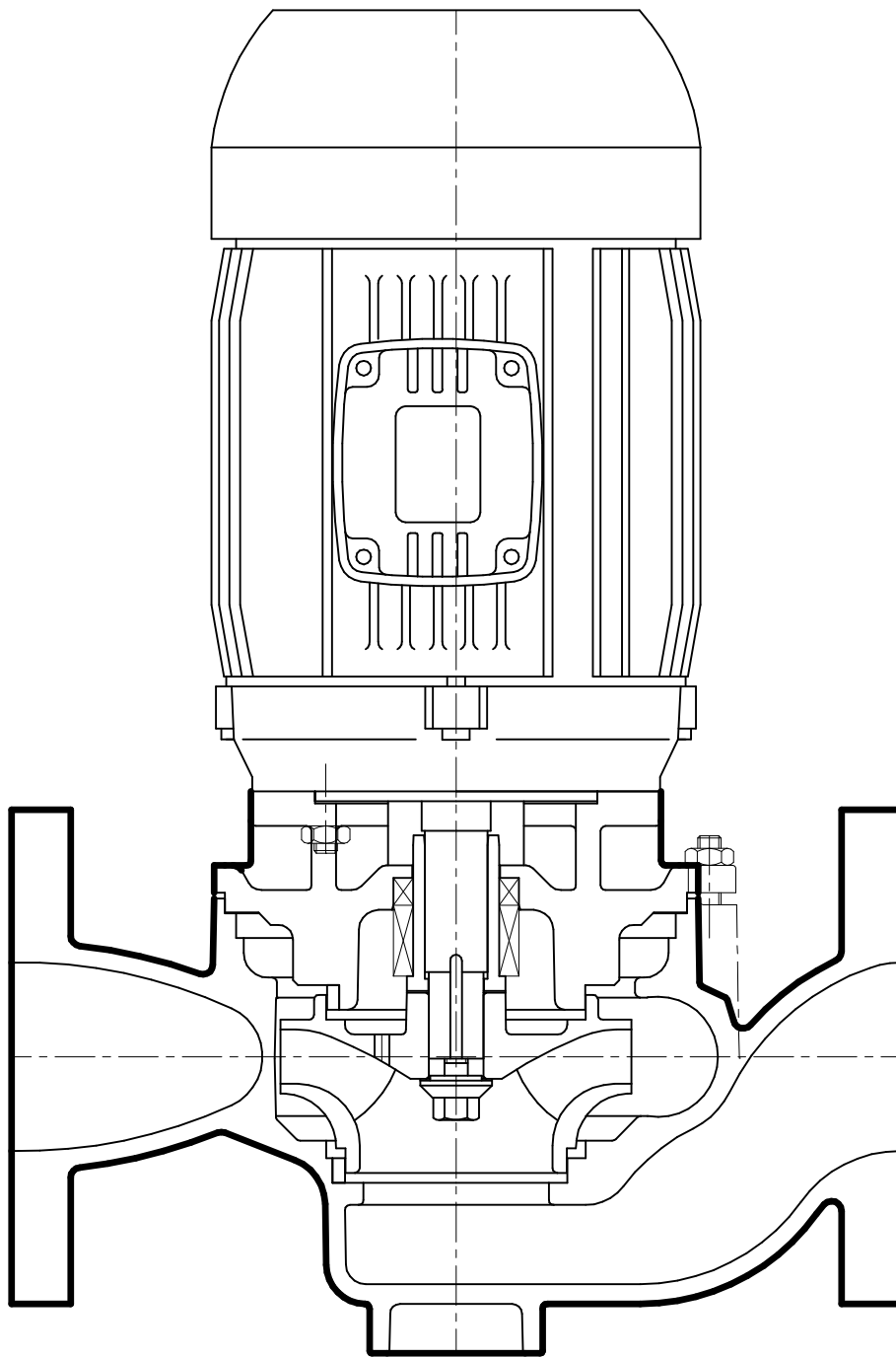




# **BOMBAS BR IN - LINE**



## BOMBAS BR

As bombas do tipo BR, foram projetadas de forma robusta para aplicações industriais e navais, visando suprir um campo operacional de baixas pressões, operando com líquidos limpos ou abrasivos e corrosivos, de baixa viscosidade, cobrindo um campo operacional de vazões até 160 m<sup>3</sup>/h, pressões até 38 mca, com motores de 0,3 a 25 hp.

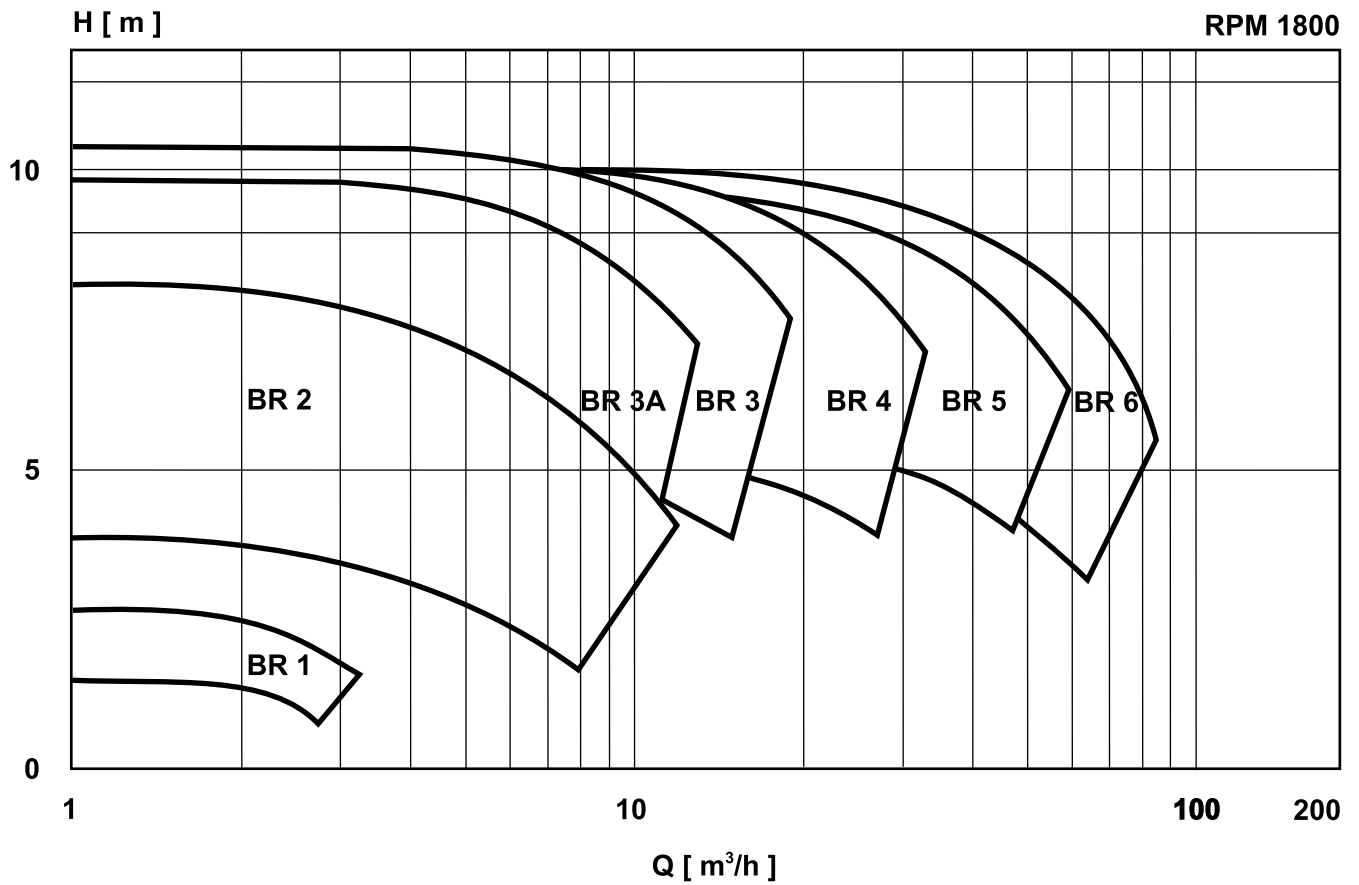
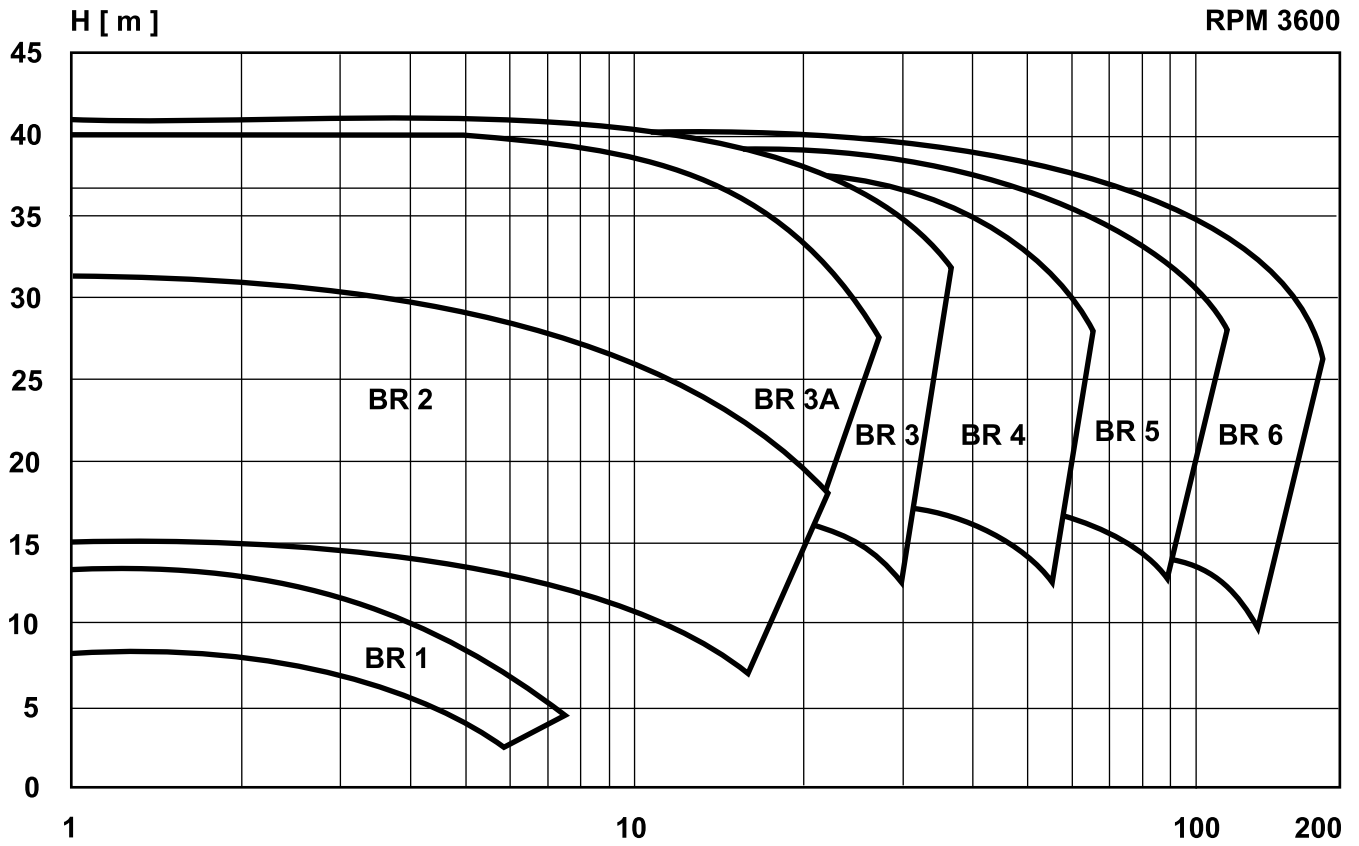
A execução "close-coupled" atende parcialmente às normas "American Petroleum Institute" (API-610 10ª EDIÇÃO TIPO OH-5 até 170°C), regras de sociedades classificadoras internacionais, normas militares com requisitos de choque, ruído e vibração ("Mil Standard P-18472c"), Shell DEP e "British Standard 4082". A montagem monobloco, resulta em um conjunto bastante compacto, de baixo nível de ruído, de fácil instalação e manutenção podendo operar em todas as posições, com o eixo vertical ou horizontal, e com a descarga para cima, para baixo ou para os lados.

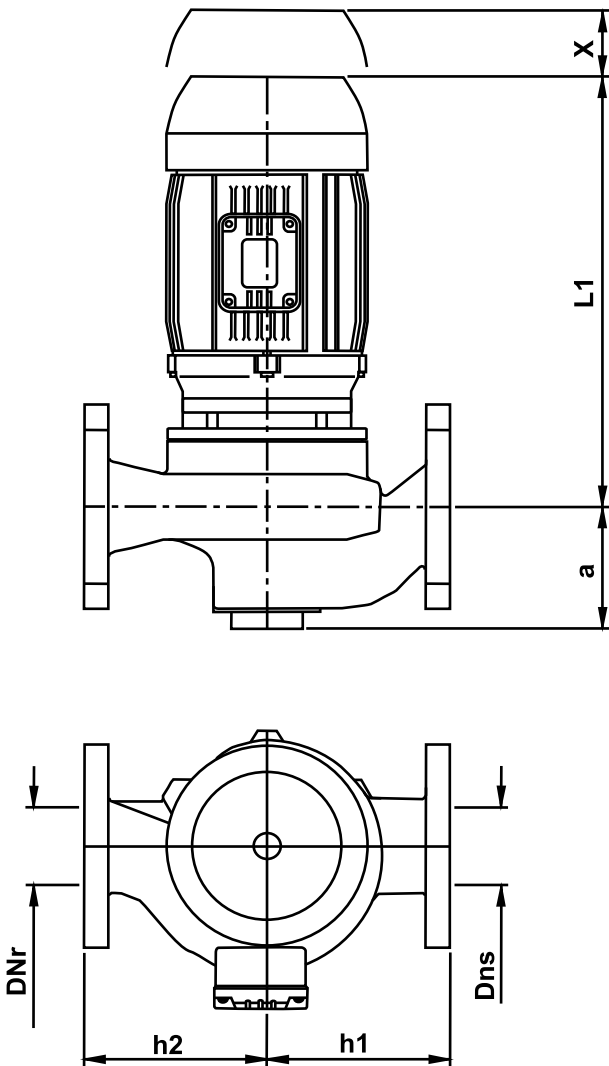
Na maioria das aplicações, a instalação da bomba BR dispensa base e fundação, graças ao seu reduzido peso e tamanho, podendo ser fixada diretamente na própria tubulação, uma vez que os bocais foram projetados na concepção "In Line".

OPÇÕES DE MATERIAIS :	FERRO FUNDIDO OU NODULAR BRONZE FOSFOROSO , NAVAL OU ALUMINIO ALUMINIO E DURALUMINIO AÇO CARBONO OU INOXIDÁVEL HASTELLOYS MONEL
REVESTIMENTOS :	CERÂMICA OU TEFLON
SELOS MECANICOS:	CARVAO X CERAMICA X NBR OU VITON CARBETO X CARBETO DE TUNGSTÊNIO OUTROS SELOS ESPECIAIS
MOTORES :	IP-55 / IPW-55 / IP65 / NÃO ACENDÍVEL / PROVA DE EXPLOÇÃO / DUPLA POLARIDADE / DAHLANDER
AQUECIMENTO :	CÂMARA DE CIRCULAÇÃO DE VAPOR
OPÇÕES DE ROTORES :	FECHADOS (COM OU SEM ANÉIS DE DESGASTE) ABERTOS VÓRTEX
EIXOS :	C/ EIXO ÚNICO: SAE 1045, INOX 316, INOX 420 C/ SEMI-EIXO : HASTELLOYS, MONEL , OUTROS COM OU SEM LUBRIFICANTE

# COBERTURA HIDRÁULICA

## Bomba BR

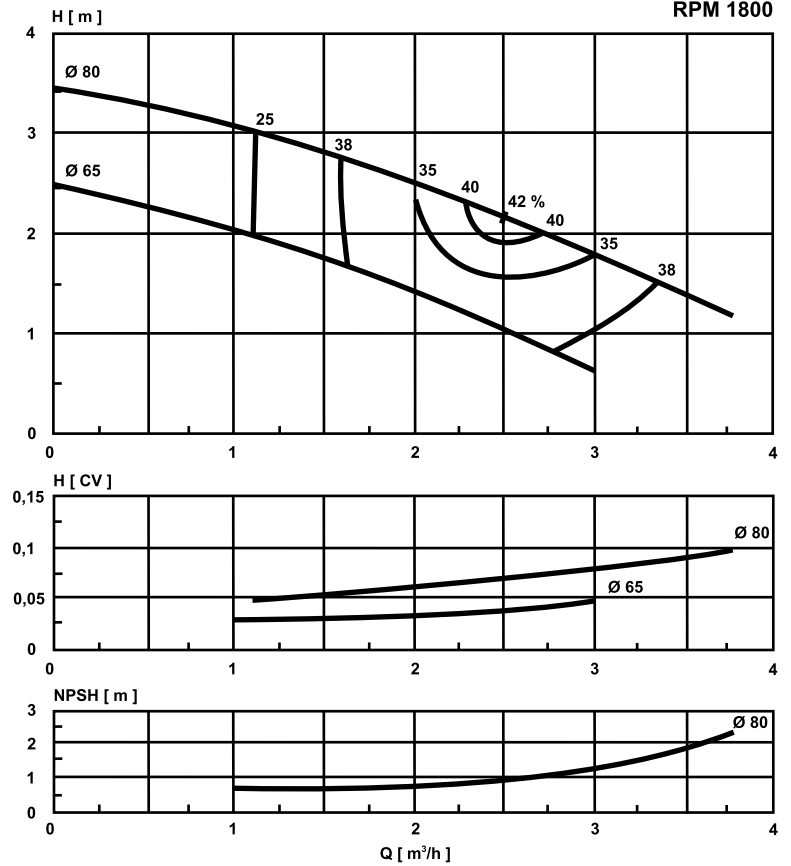




Dimensões em mm	
Dns	1.1/2
Dnr	1.1/2
a	30
h1	112
h2	112
X	100
Carc.motor	63
L1	253
Peso	12

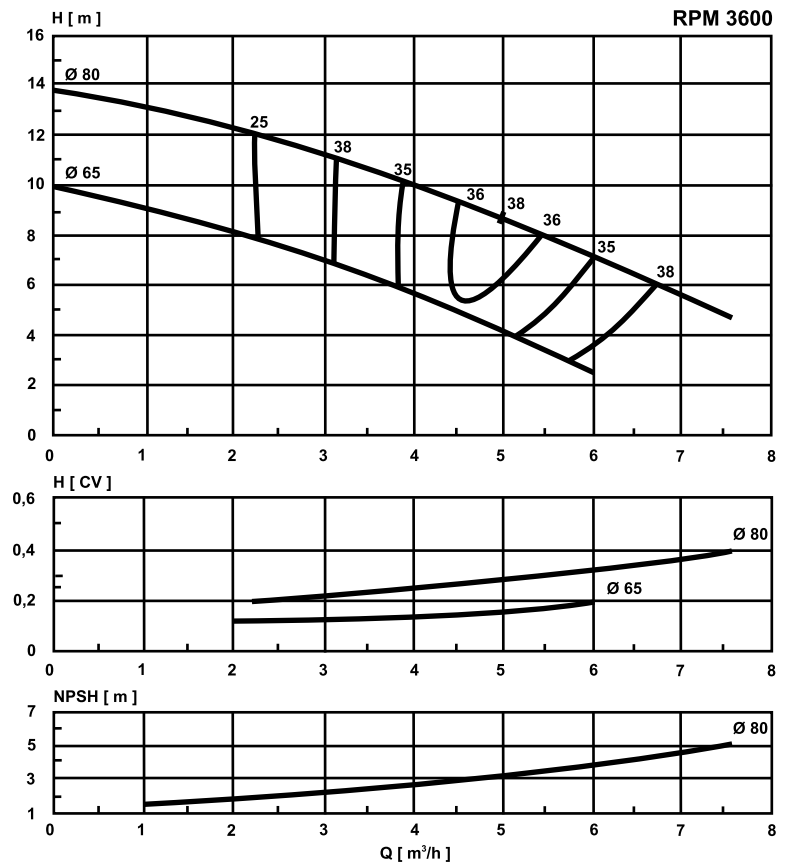
### Bomba BR 1

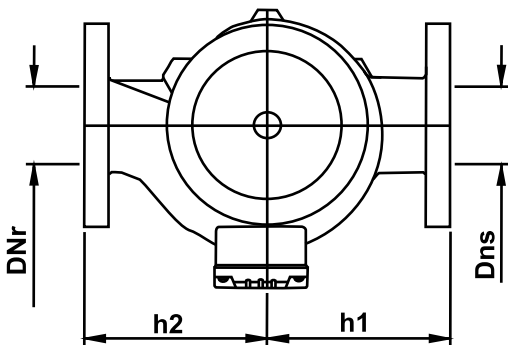
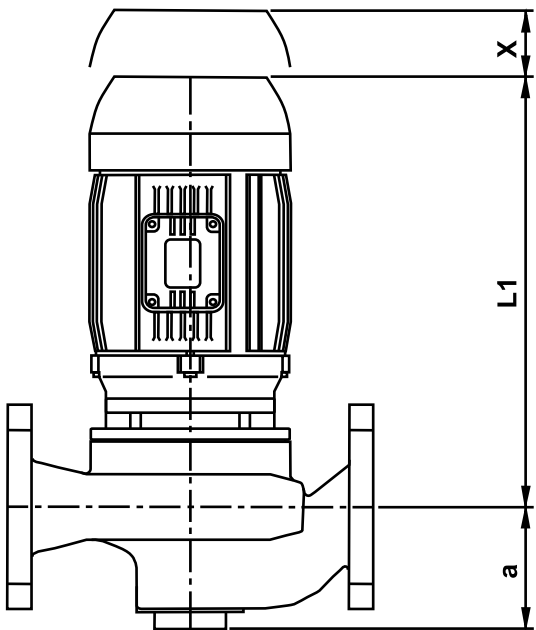
RPM 1800



### Bomba BR 1

RPM 3600



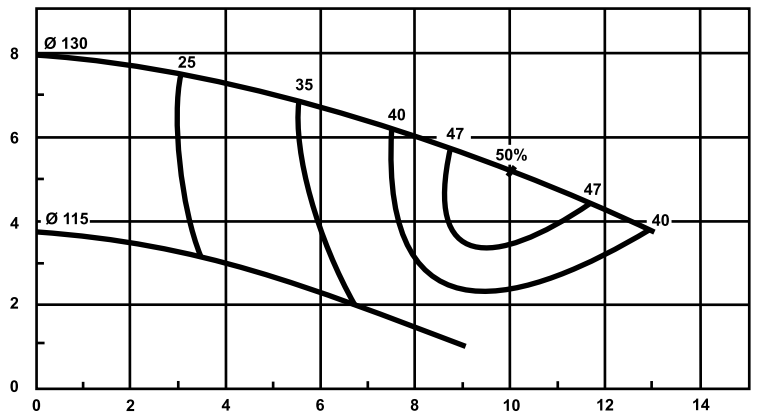


Dimensões em mm					
Dns	2	2 1/4 BSP			
Dnr	2	2 1/4 BSP			
a	50				
h1	125				
h2	125				
X	120				
Carc.motor	80	90			
L1	280	295			
Peso	22	28			

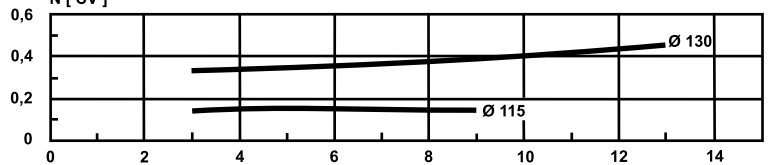
### Bomba BR 2

H [m]

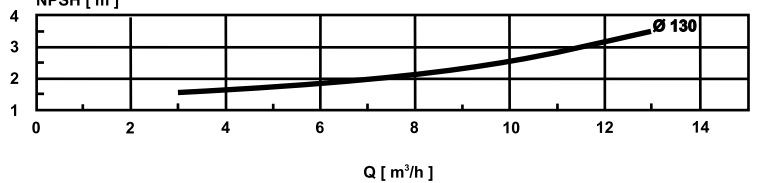
RPM 1800



N [CV]



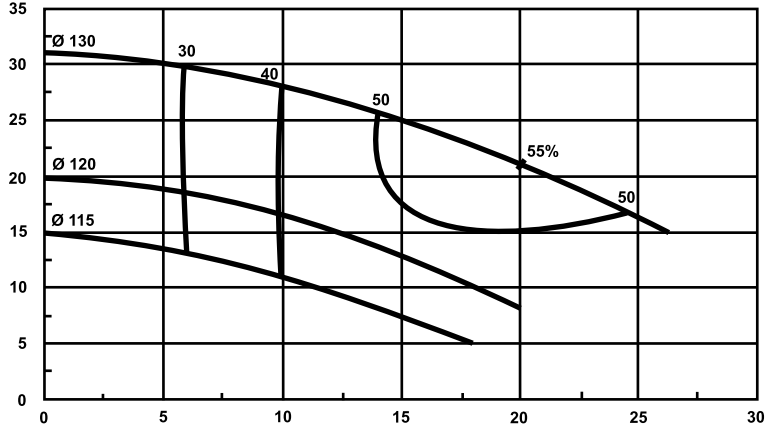
NPSH [m]



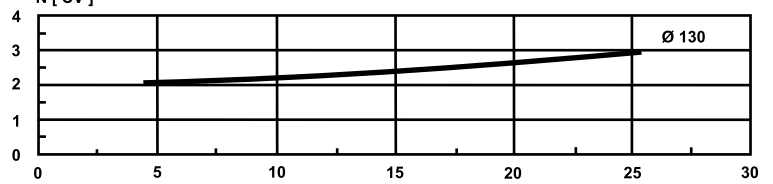
### Bomba BR 2

H [m]

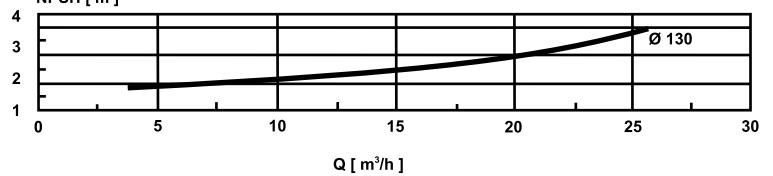
RPM 3600



N [CV]

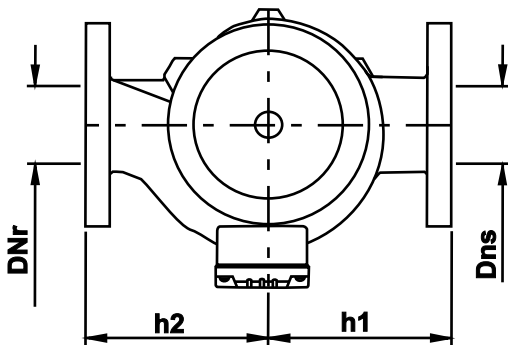
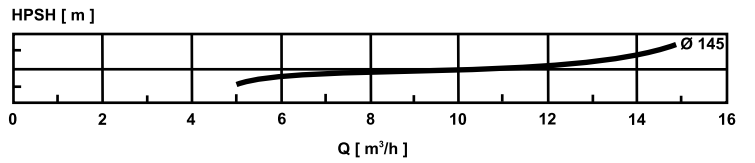
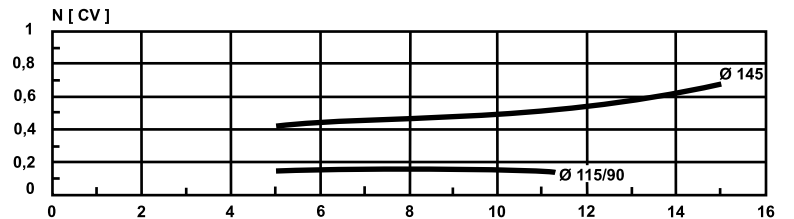
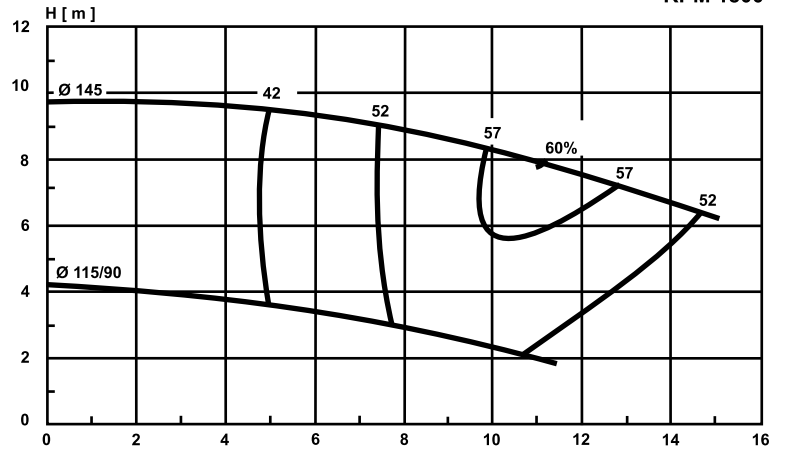
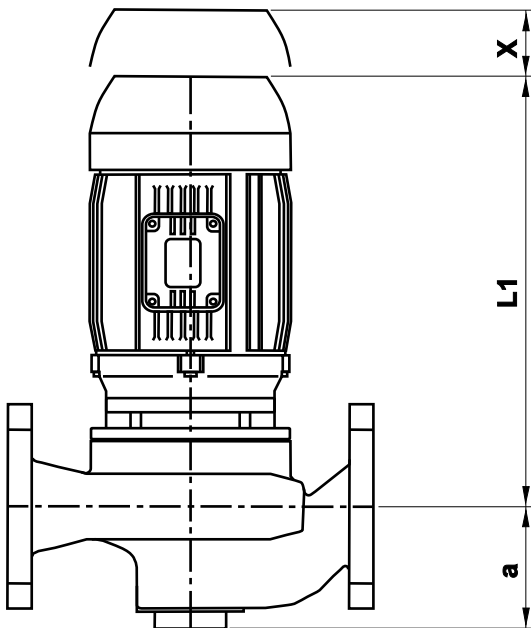


NPSH [m]



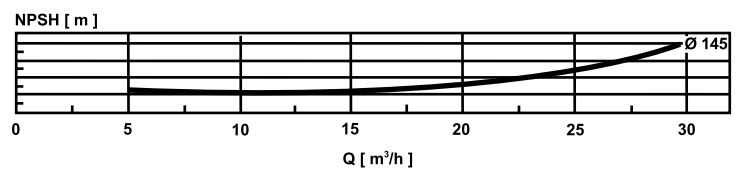
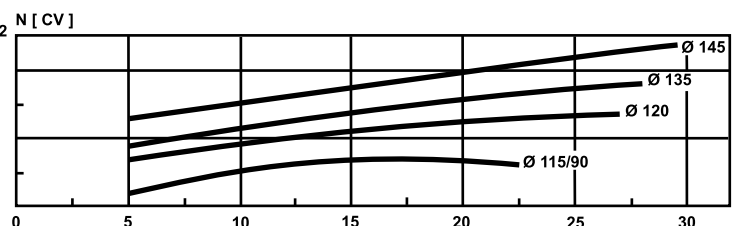
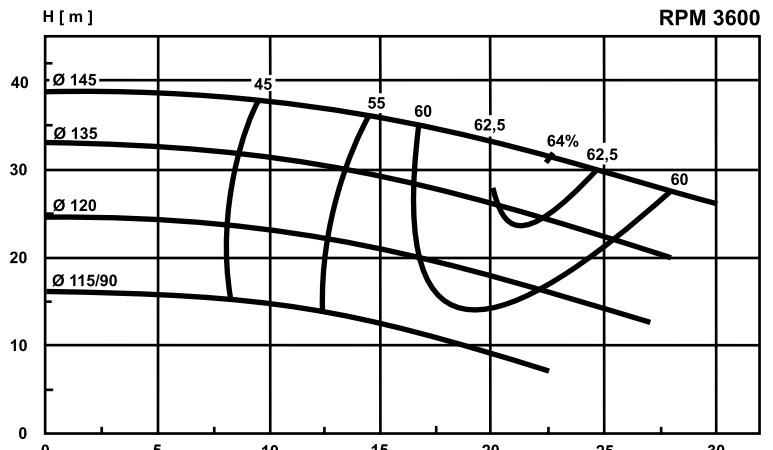
### Bomba BR - 3A

RPM 1800

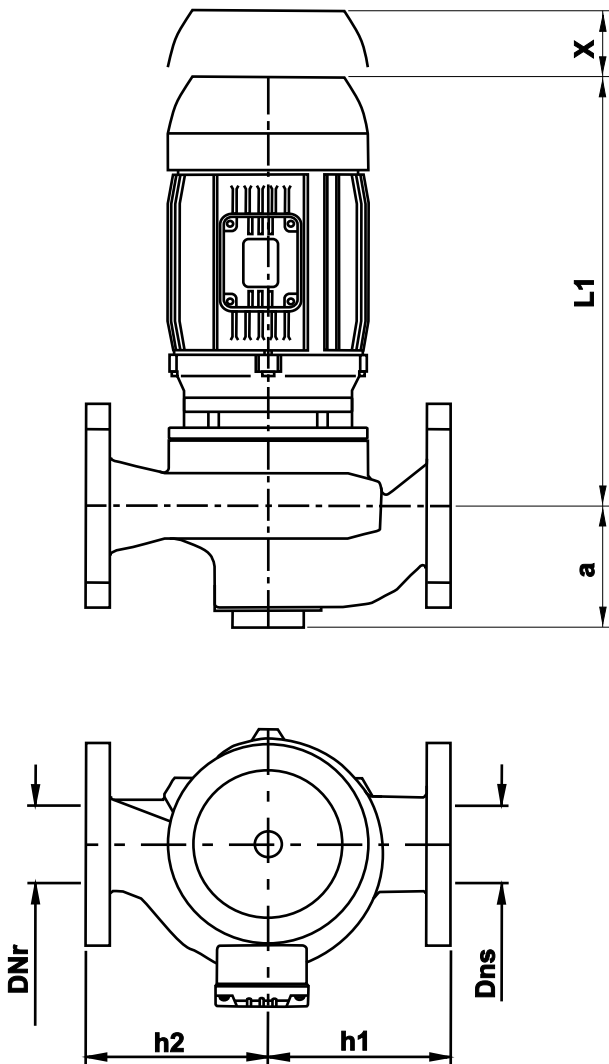


### Bomba BR - 3A

RPM 3600

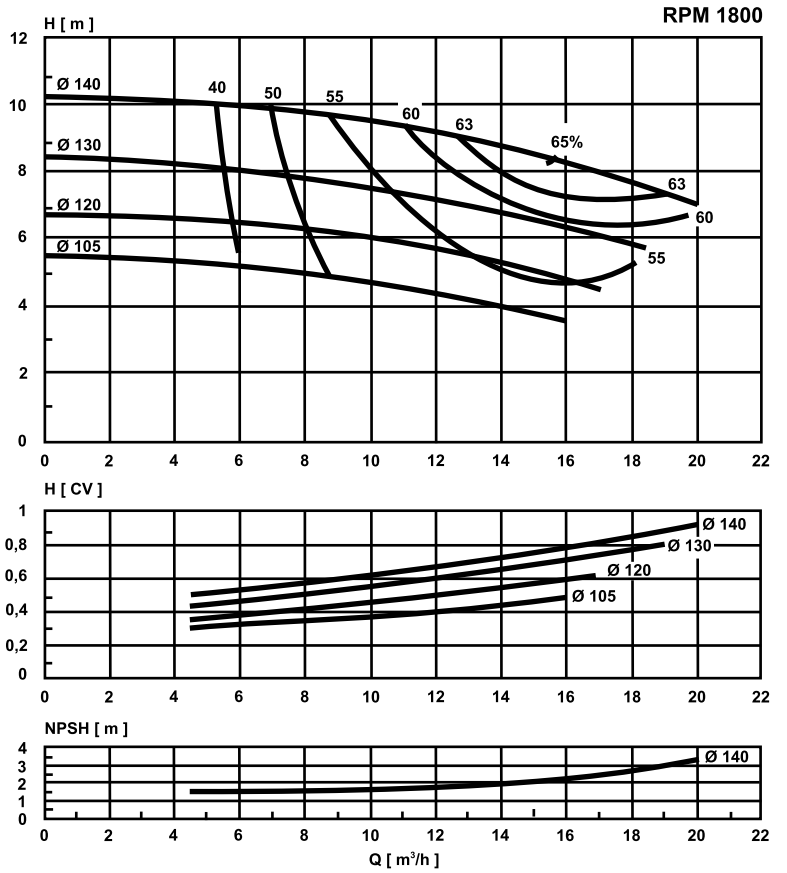


Dimensões em mm				
Dns	2			
Dnr	2			
a	130			
h1	160			
h2	160			
X	130			
Carc.motor	90	100	112	132
L1	387	412	433	473
Peso	50	60	66	75

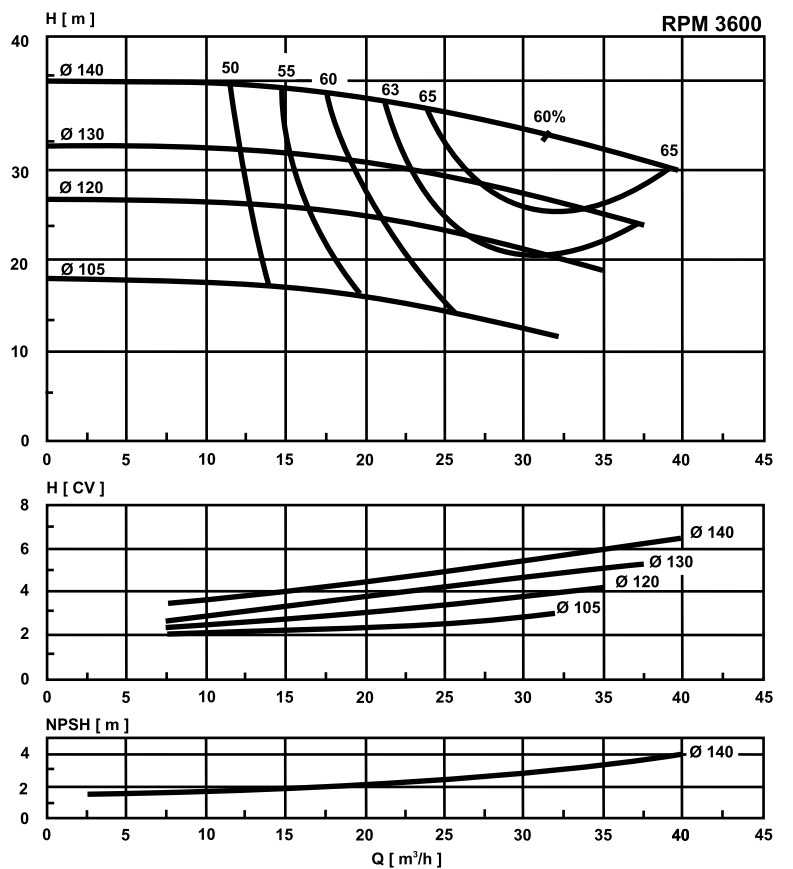


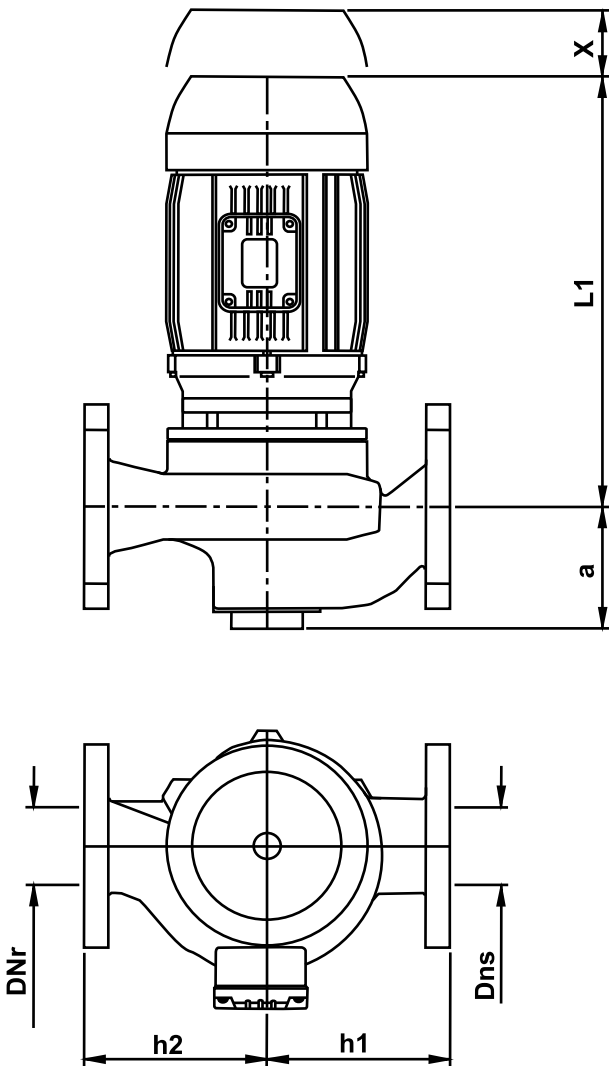
Dimensões em mm					
Dns	2				
Dnr	2				
a	130				
h1	160				
h2	160				
X	130				
Carc.motor	90	100	112	132	
L1	387	412	433	473	
Peso	55	65	71	80	

### Bomba BR 3



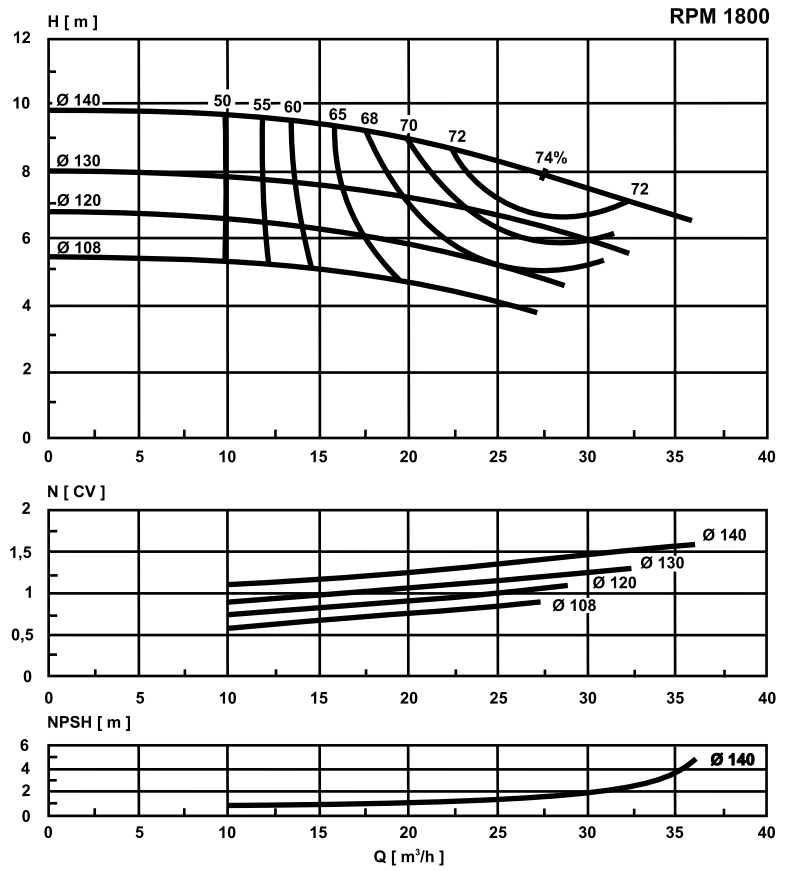
### Bomba BR 3



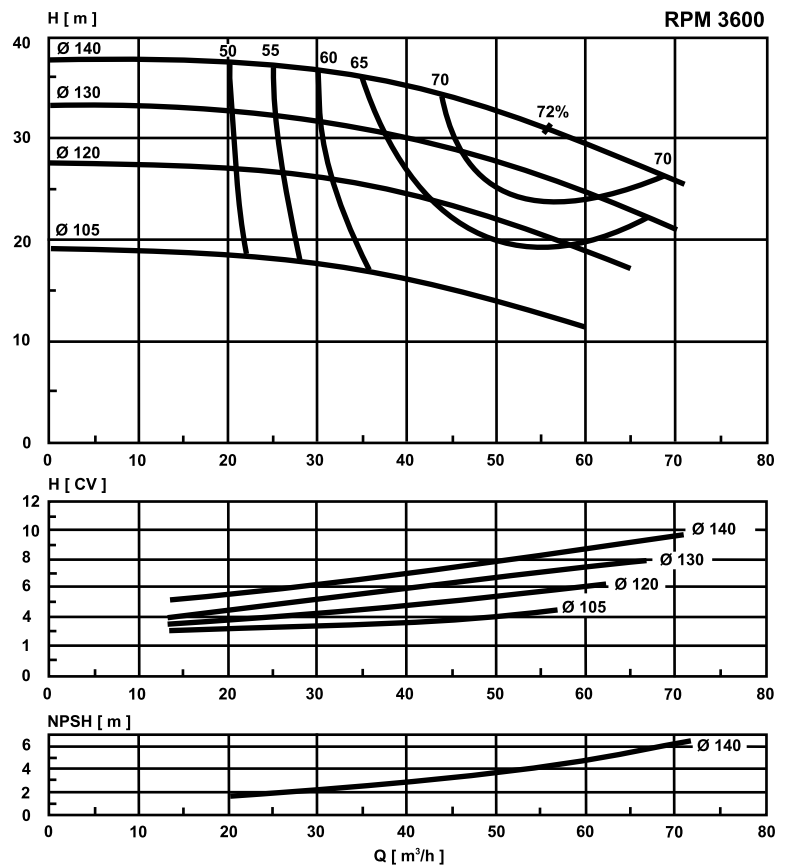


Dimensões em mm					
Dns	2.1/2				
Dnr	2.1/2				
a	150				
h1	170				
h2	170				
X	135				
Carc.motor	90	100	112	132	
L1	387	412	433	473	
Peso	57	67	73	83	

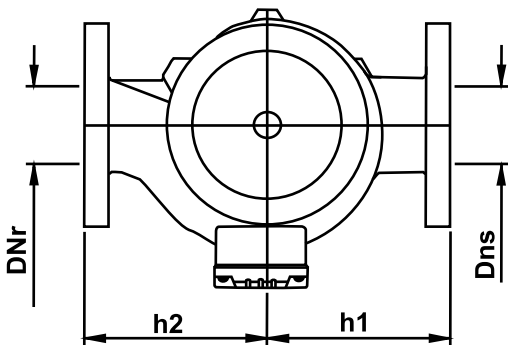
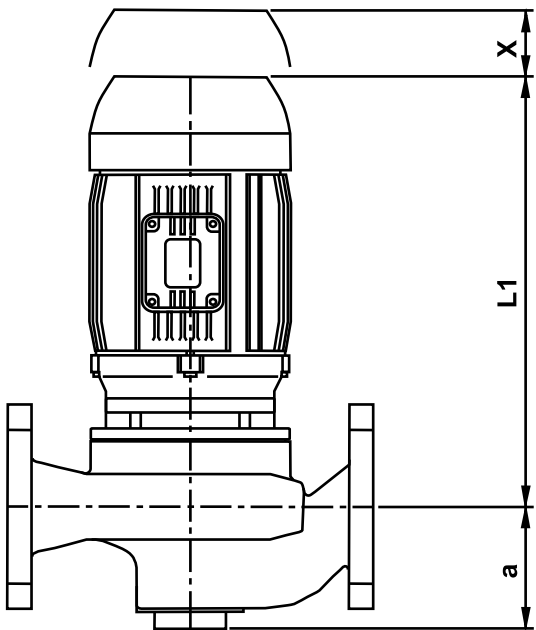
### Bomba BR 4



### Bomba BR 4

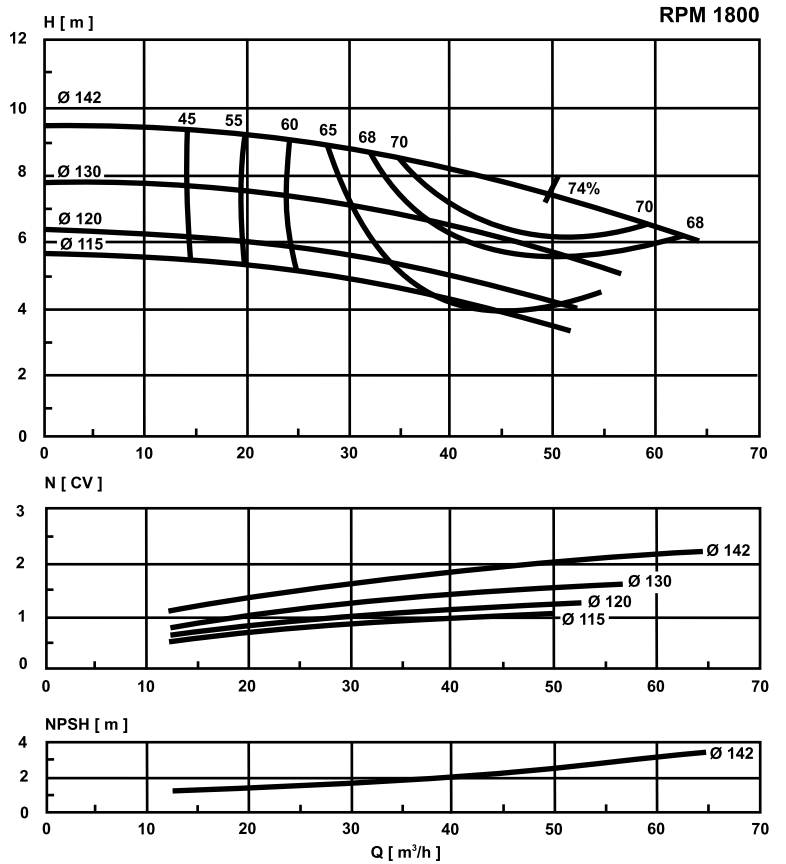




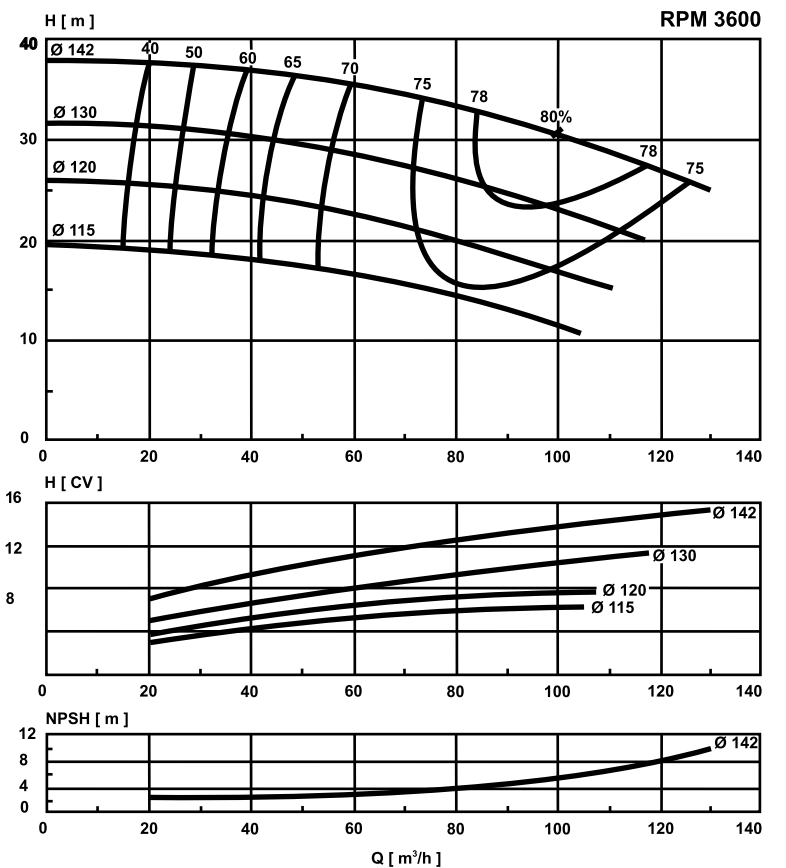


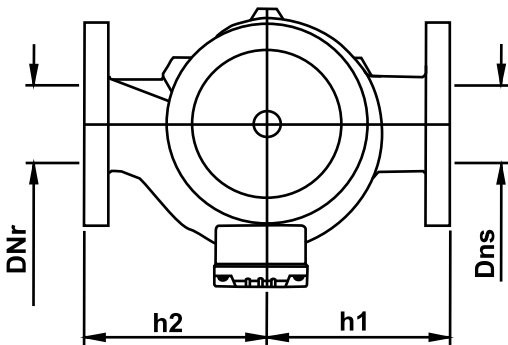
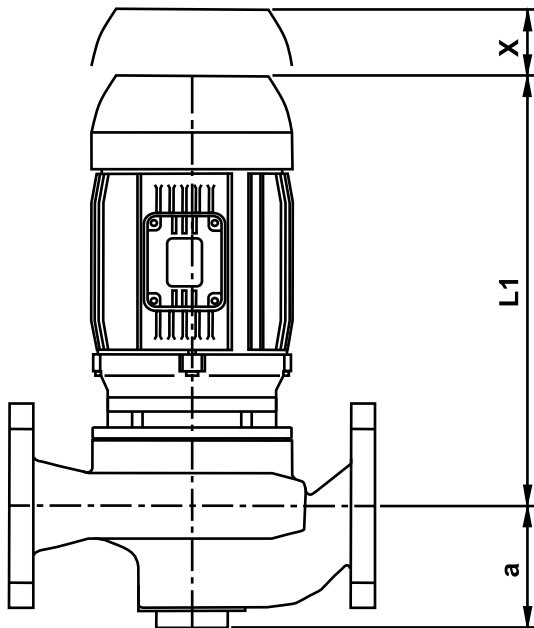
Dimensões em mm					
Dns	3				
Dnr	3				
a	160				
h1	180				
h2	180				
X	140				
Carc.motor	90	100	112	132	160
L1	387	423	433	473	613
Peso	59	69	75	86	129

### Bomba BR 5



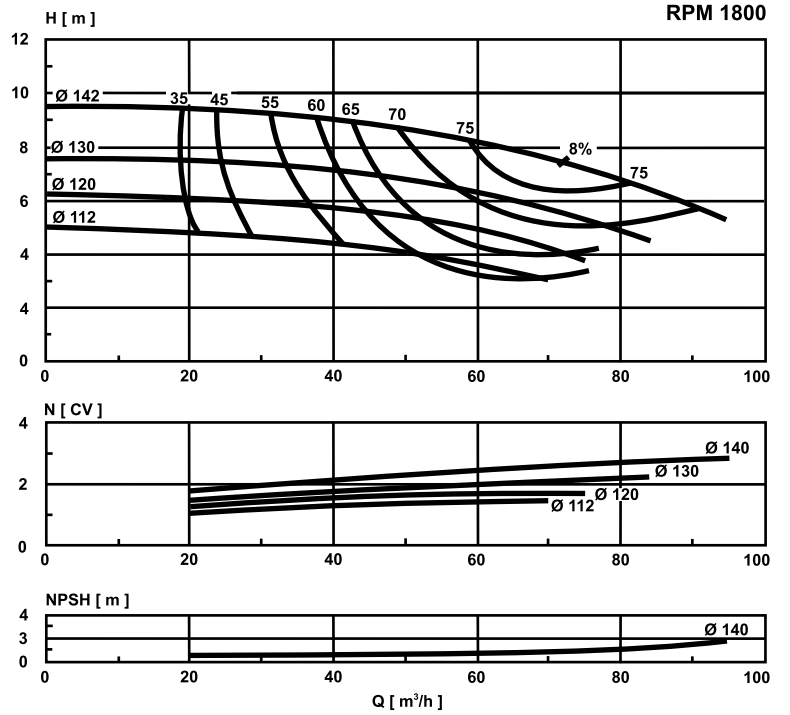
### Bomba BR 5



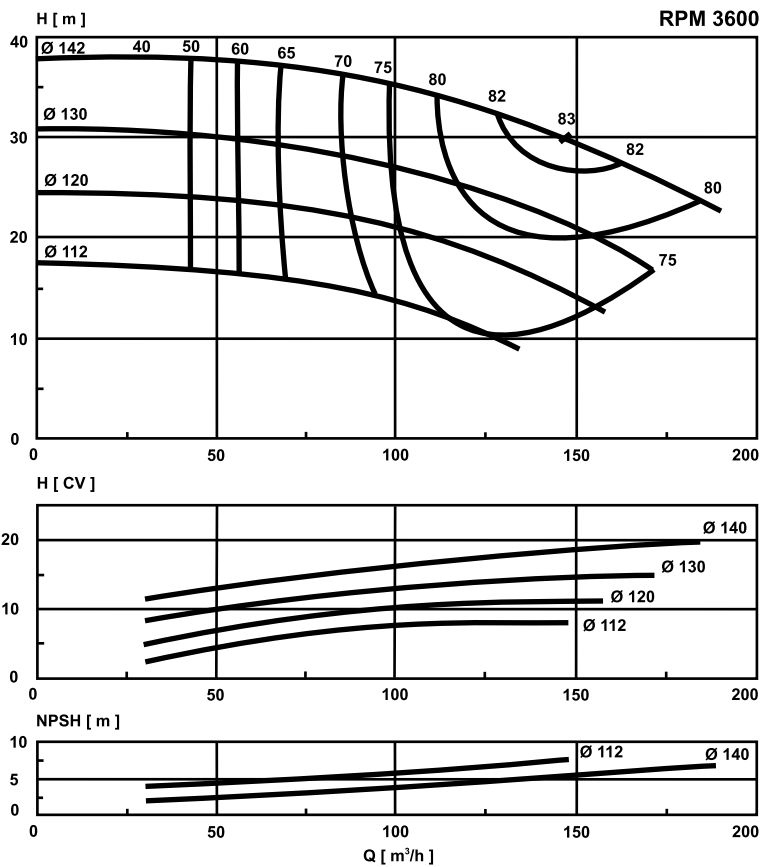


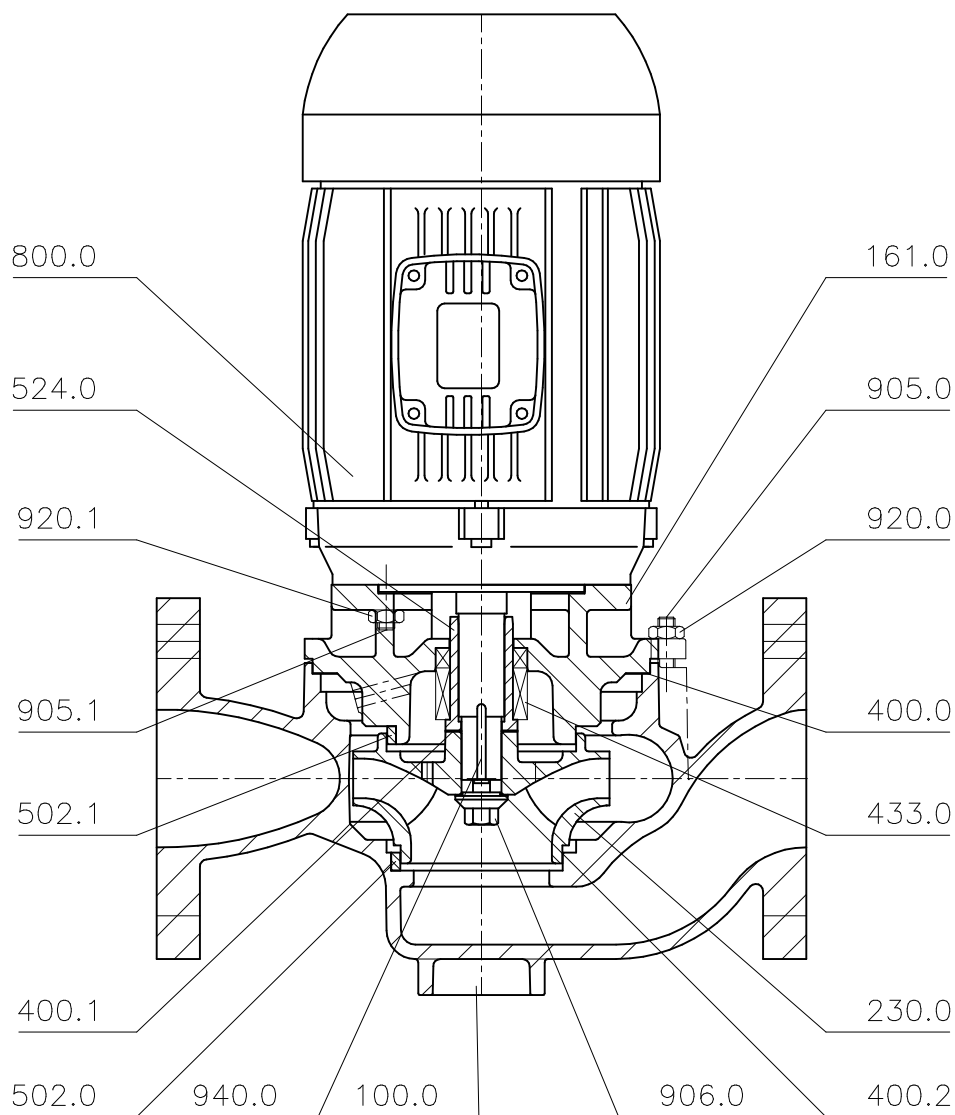
Dimensões em mm					
Dns	4				
Dnr	4				
a	180				
h1	200				
h2	200				
X	160				
Carc.motor	90	100	112	132	160
L1	387	423	433	473	610
Peso	64	74	80	91	139

### Bomba BR 6

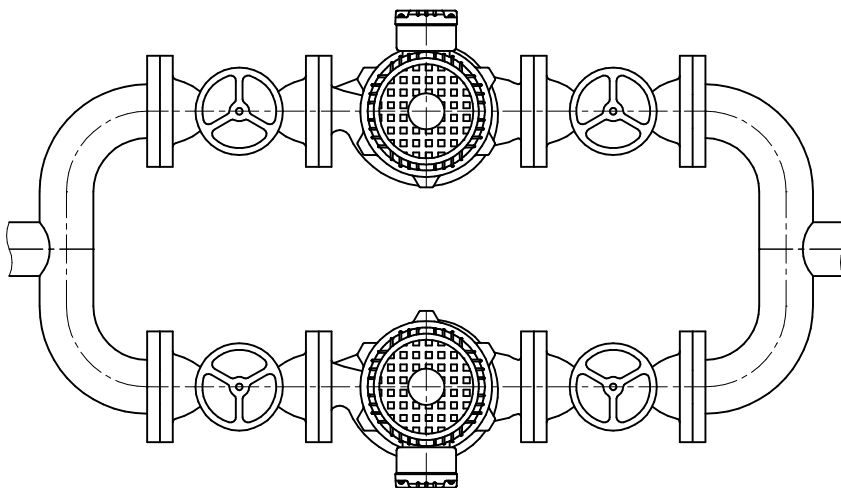
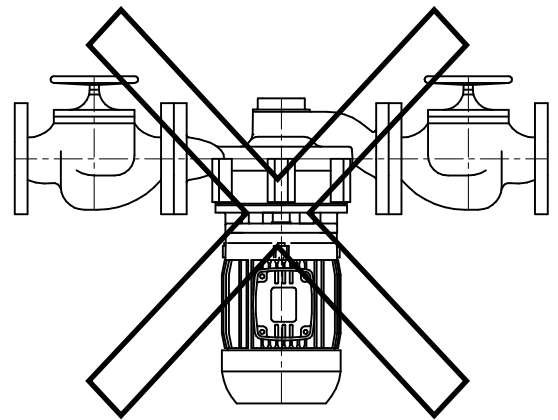
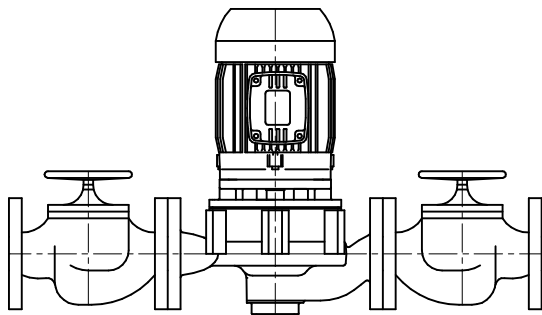
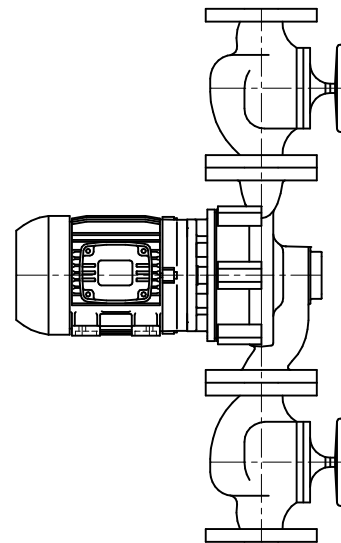
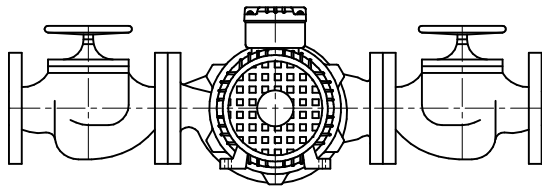


### Bomba BR 6





Pos.	Qde	Denominação	(*)	Pos.	Qde	Denominação	(*)
100.0	1	Carcaça		524.0	1	Bucha de Proteção	*
161.0	1	Tampa de Vedação		800.0	1	Motor Elétrico	
230.0	1	Rotor		905.0	4	Estirante	
400.0	1	Junta Plana	*	905.1	4	Estirante	
400.1	1	Junta Plana	*	906.0	1	Paraf.do Rotor	
400.2	1	Junta Plana	*	920.0	4	Porca	
433.0	1	Selo Mecanico	*	920.1	4	Porca	
502.0	1	Anel de Desgaste	**	940.0	1	Chaveta	
502.1	1	Anel de Desgaste	**	(*) PEÇAS RECOMENDADAS COMO SOBRESSALENTES (**) OPCIONAIS			



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