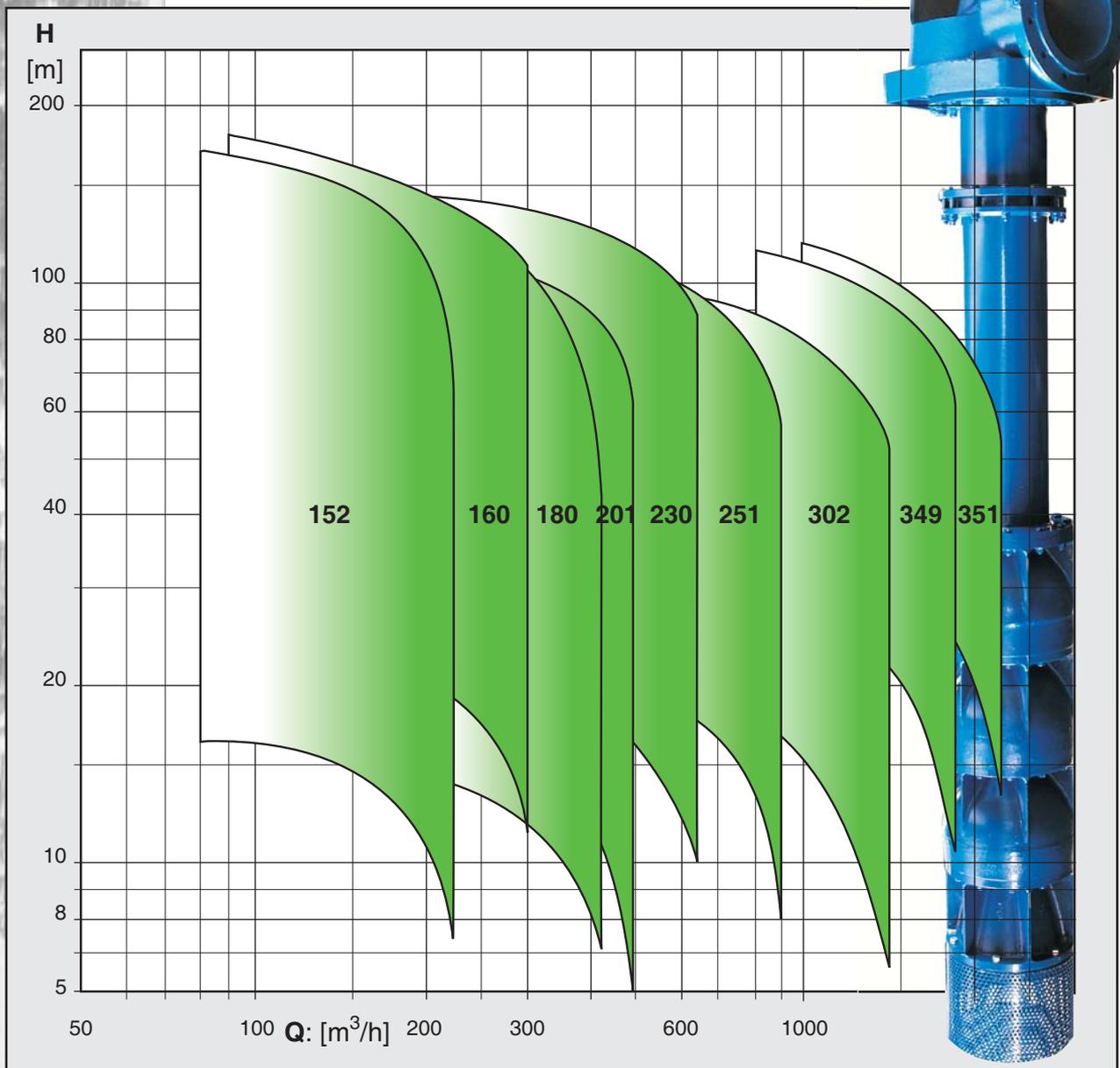
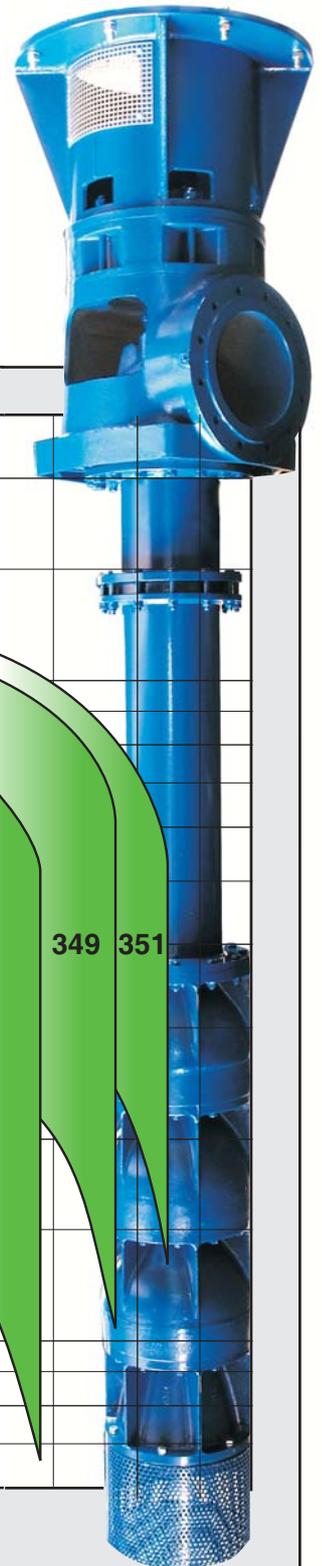




VERTICAL TURBINE PUMPS

VAB

4 Poles/50Hz





VAB 152

152

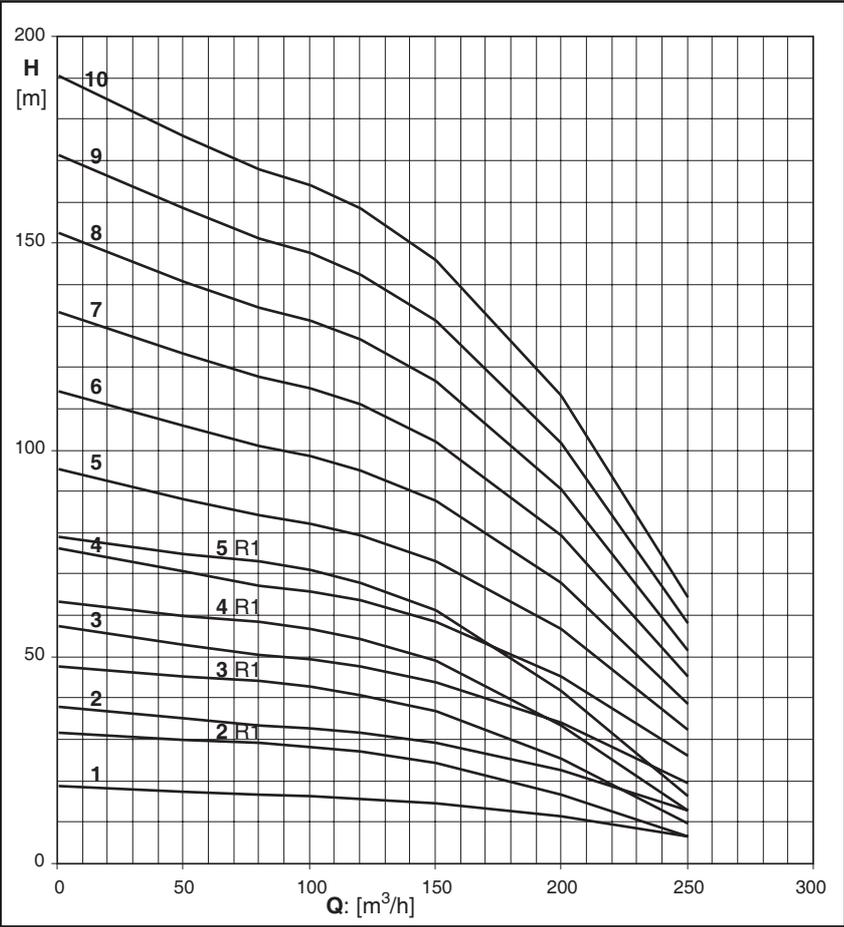
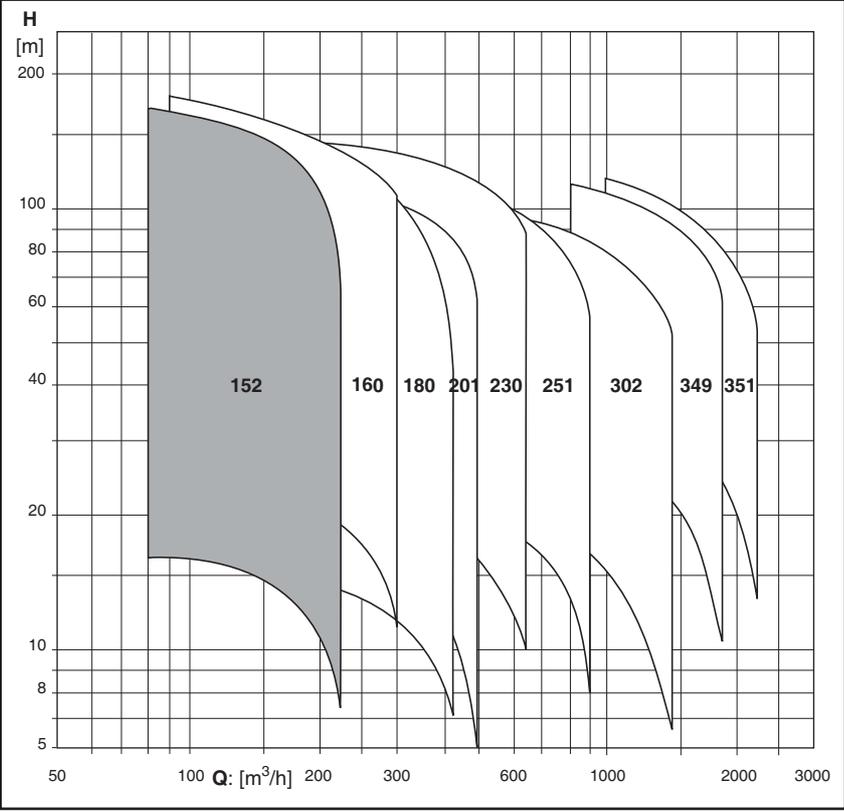
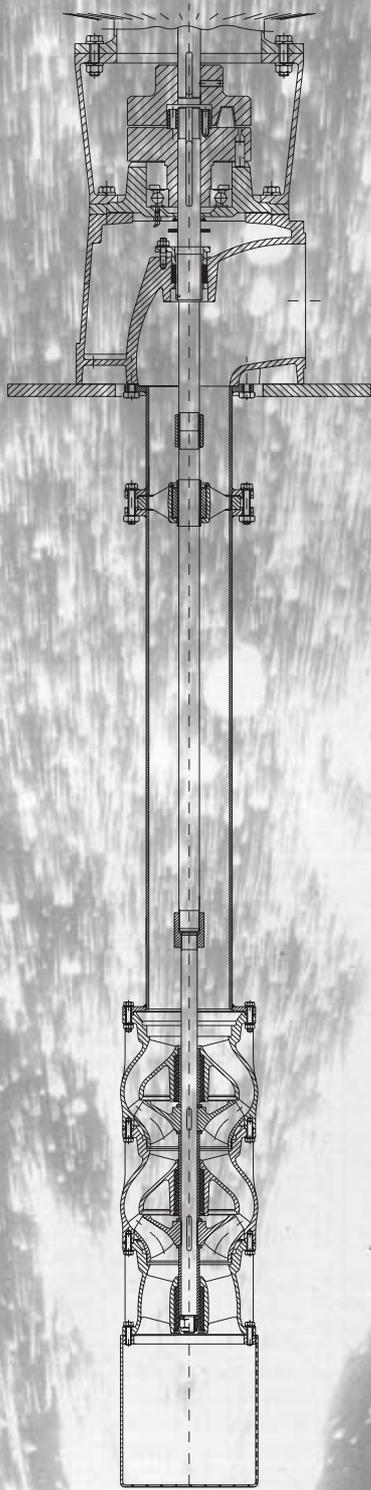
4 Poles/50Hz

4 Poles/ 50Hz

Q [m³/h]:
50-250

H [m]:
6 - 176

kW:
11-90

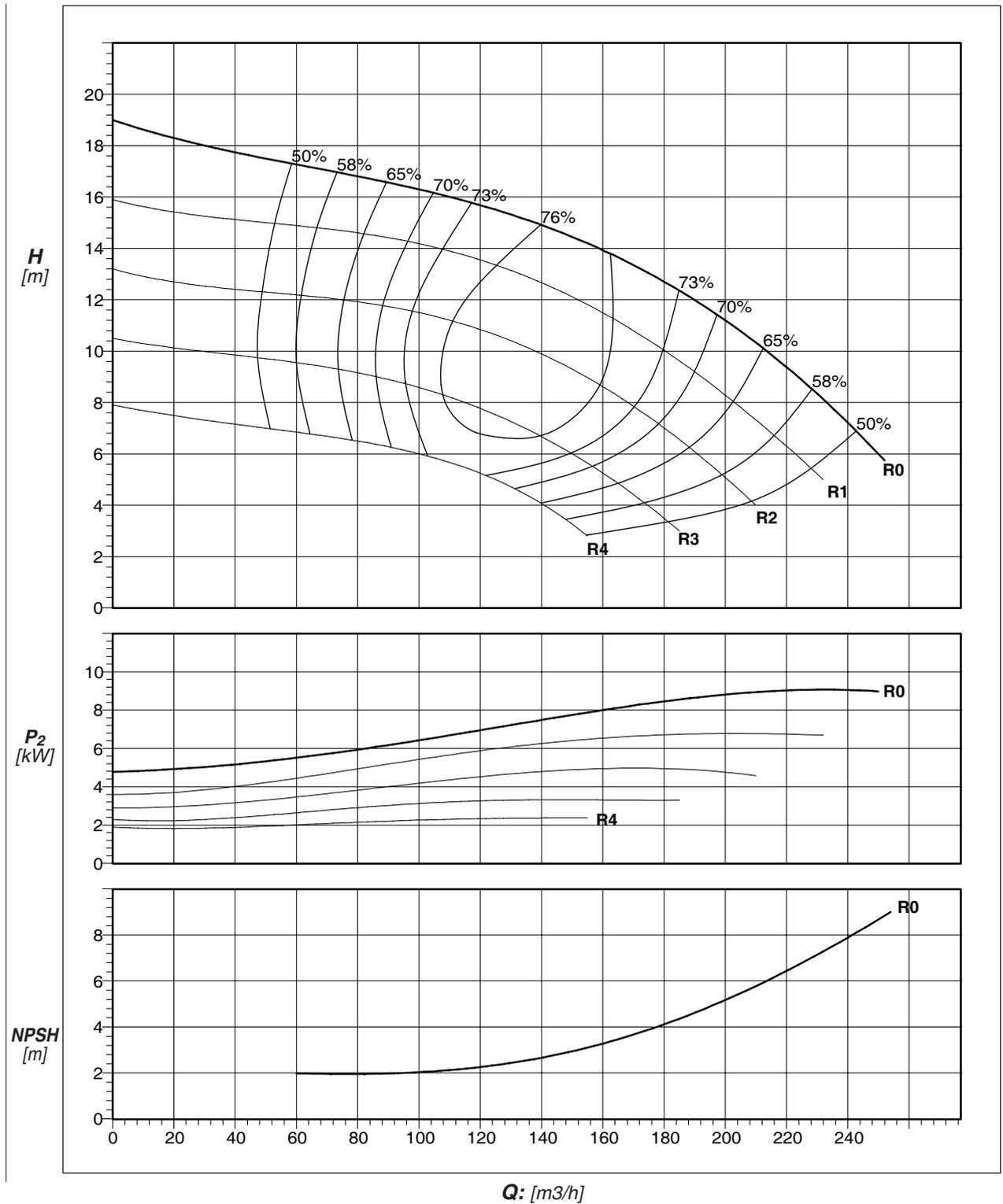


Pompa Pump Pompe	Portata - Delivery - Debit												
	USgpm	0	220	352	440	528	660	880	1100	Linea d'asse Line shaft LA	Motor [kW]	Testata Head BG	DN [mm]
	l/s	0	14	22	28	33	42	56	69				
	l/min	0	833	1333	1667	2000	2500	3333	4167				
m ³ /h	0	50	80	100	120	150	200	250					
VAB152-1 R0	H	18,5	17	16,5	16	15,5	14,4	11	6	170x35	11	25AG5D	125
	kW	4,1	4,9	5,6	6,2	6,8	7,6	8,6	8,5				
VAB152-2 R1	H: Prevalenza manometrica totale in metri / Total manometric head:m / Hauteur manométrique en metres kW: Potenza assorbita pompa / Pump absorbed power / Puissance absorbée par la pompe	31	30	29	28	27	24	16	6	170x35	15	25AG5D	125
		7,1	8,3	9,5	10,4	11,4	13,0	14,1	12,5				
VAB152-2 R0		38	35	33	32	31	29	22	13	170x35	18,5	25AG5D	125
		8,3	9,9	11,3	12,6	13,8	15,4	17,4	17,2				
VAB152-3 R1		47	45	44	42	41	37	25	10	170x35	22	25AG5D	125
		10,8	12,6	14,4	15,8	17,3	19,7	21,4	19,0				
VAB152-3 R0		57	53	50	49	48	44	34	19	170x35	30	25BG5D	125
		12,6	15,0	17,1	19,1	20,9	23,3	26,4	26,1				
VAB152-4 R1		63	60	58	57	54	49	33	13	170x35	30	25BG5D	125
		14,4	16,8	19,2	21,1	23,1	26,2	28,5	25,3				
VAB152-4 R0		76	70	67	66	63	58	45,2	26	170x35	37	25CG5D	125
		16,8	20,0	22,8	25,4	27,8	31,1	35,2	34,7				
VAB152-5 R1	79	75	73	71	68	61	42	16	170x35	37	25CG5D	125	
	18,0	21,0	24,0	26,4	28,9	32,8	35,6	31,6					
VAB152-5 R0	95	88	84	82	79	73	56,5	32	170x35	45	25CG5D	125	
	21,0	25,0	28,5	31,8	34,8	38,9	44,0	43,4					
VAB152-6 R0	114	106	101	98	95	87	67,8	39	170x35	55	25DG5D	125	
	25,2	30,0	34,2	38,1	41,8	46,7	52,7	52,1					
VAB152-7 R0	133	123	118	115	111	102	79,1	45	170x35	75	25DG5E	125	
	29,4	35,0	39,9	44,5	48,7	54,5	61,5	60,8					
VAB152-8 R0	152	141	134	131	127	117	90,4	51	170x35	75	25DG5E	125	
	33,6	40,0	45,6	50,8	55,7	62,2	70,3	69,5					
VAB152-9 R0	171	158	151	148	143	131	101,7	58	170x35	90	25DG7E	125	
	37,8	45,0	51,3	57,2	62,6	70,0	79,1	78,2					
VAB151-10 R0	191	176	168	164	158	146	113,0	64	170x35	90	25DG7E	125	
	42,0	50,0	57,1	63,5	69,6	77,8	87,9	86,8					
NPSH r [m]		1,8	1,9	2,0	2,2	2,7	4,5	8,5	ISO 9906grad.2				
Min. Sommergenza/Submergency [m]		0,08	0,11	0,15	0,2	0,3	0,4	0,5					

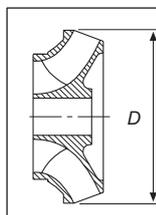
Note: Le prevalenze, relative al solo corpo pompa, sono con giranti in bronzo.
Note: Manometric heads, at pump bowls, are valid for bronze impellers.

Con giranti ghisa Hx0,99, con giranti Inox Hx0,97
With cast iron Hx0,99, with Stainless Steel Hx0,97

Performances for one stage / Curve per Stadio / Courbes pour stage **4 Poles/50Hz**



Impeller Reduct.		Material Reduction	
n.Stage	H-η		H-η
1	0,98	Cast-Iron Impeller:	0,99
2	0,99	S.Steel Impeller:	0,94
>3	1,00		



Impeller	D [mm]
R0	242
R1	224
R2	207
R3	187
R4	168

N° max of stages :	10
Tolerances:	ISO 9906 grad.2
γ [Kg/m ³]:	1000
ν [mm ² /s]:	1
θ [°C]:	20



VAB 180

180

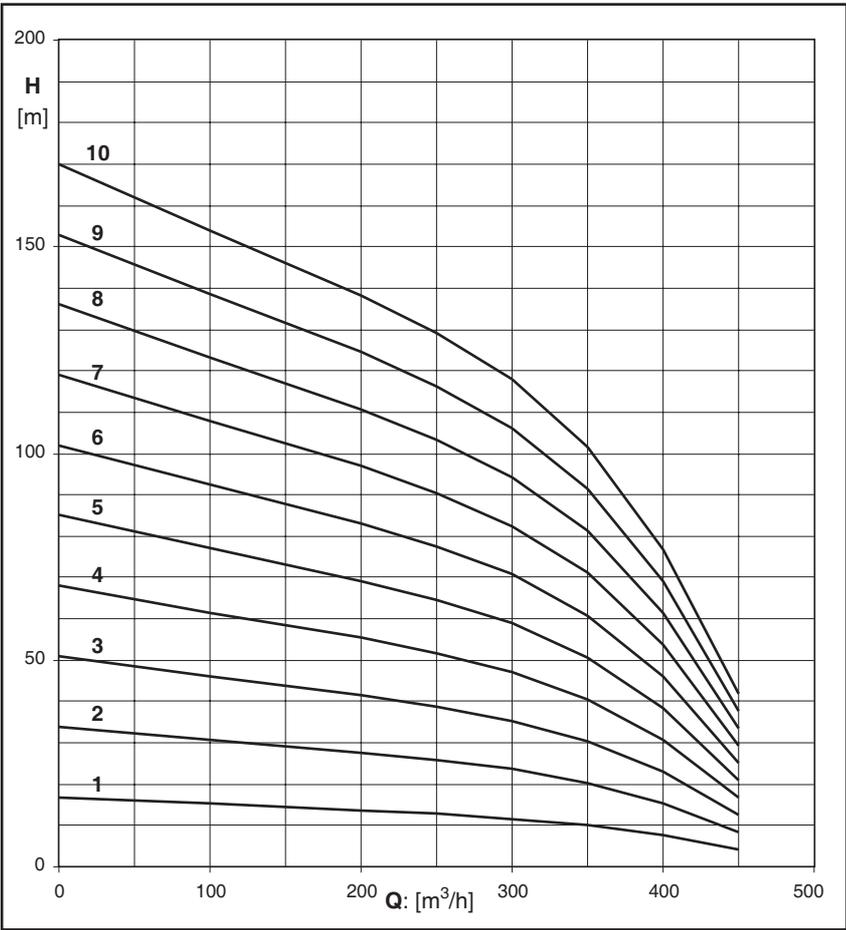
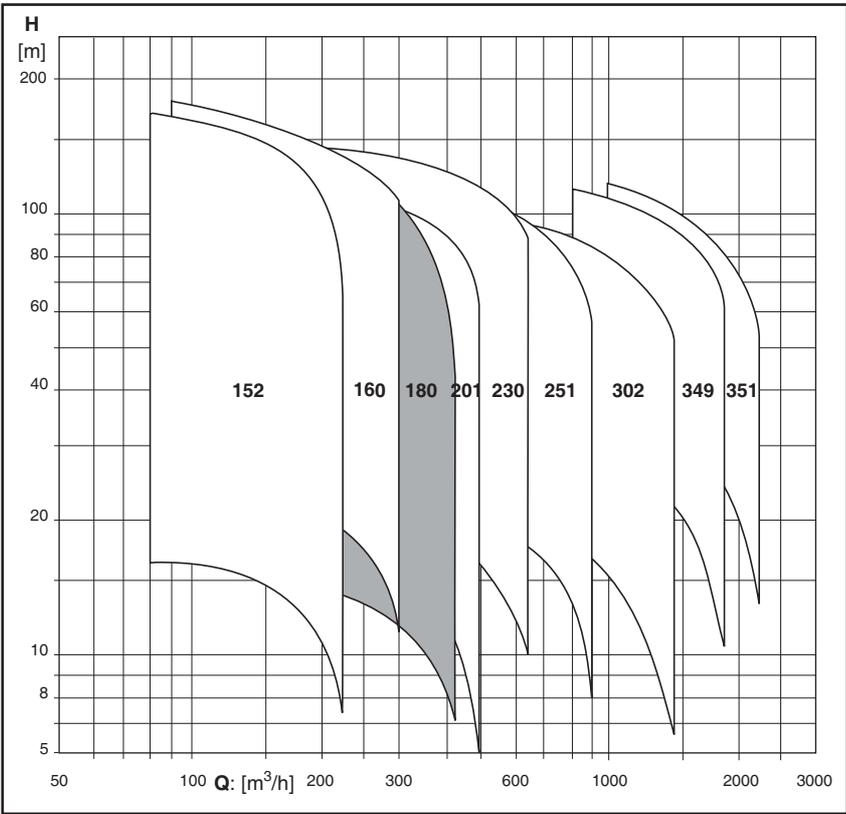
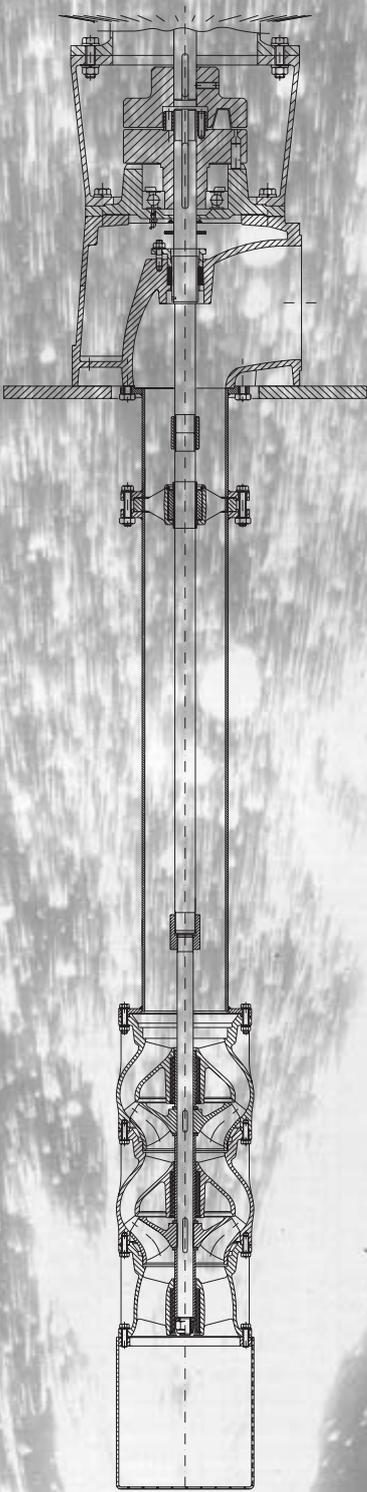
4 Poles/50Hz

4 Poles/ 50Hz

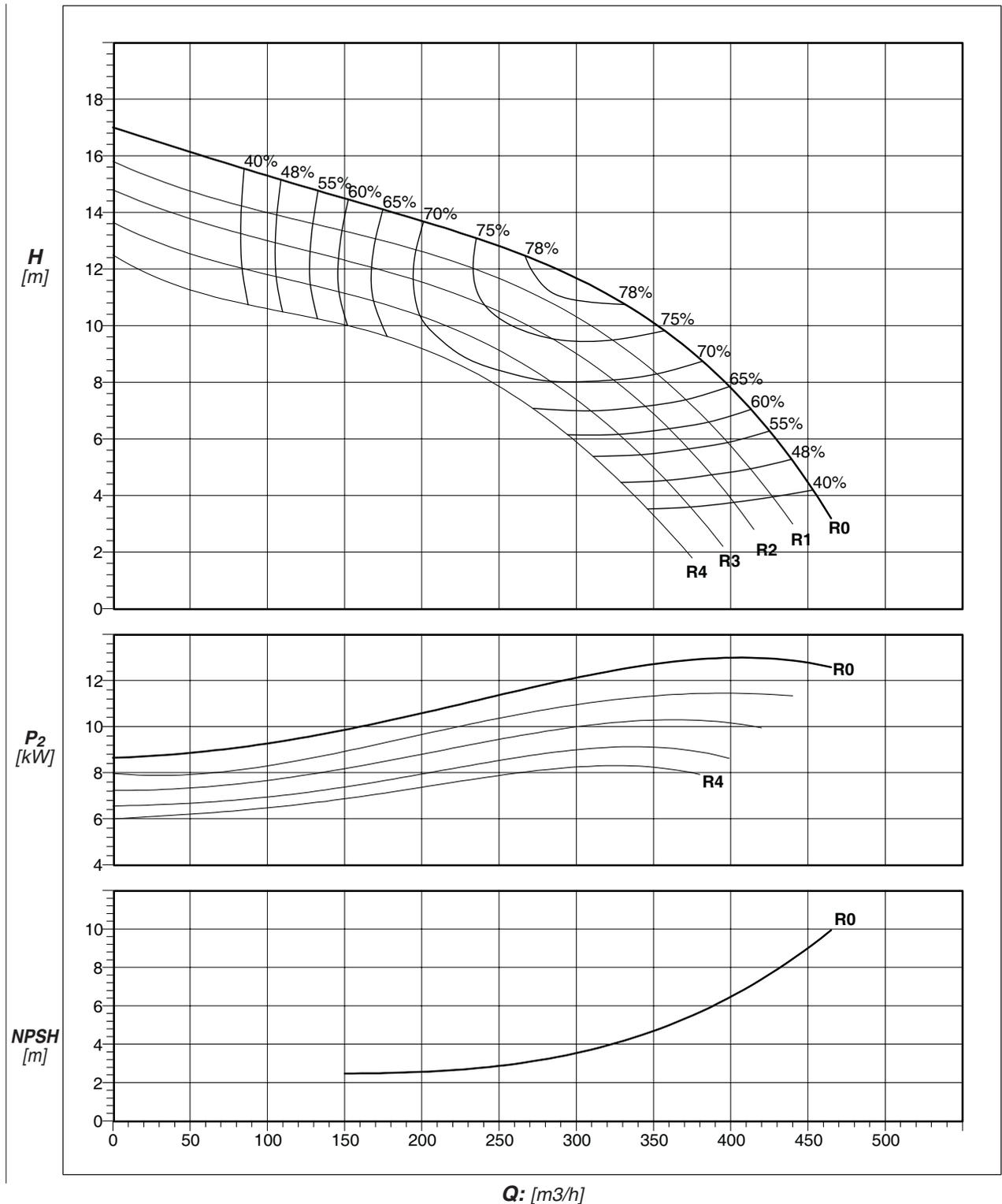
Q [m³/h]:
100 - 450

H [m]:
4 - 154

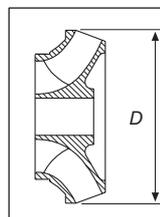
kW:
15 - 132



Performances for one stage / Curve per Stadio / Courbes pour stage **4 Poles/50Hz**



Impeller Reduct.		Material Reduction	
n.Stage	H- η		H- η
1	0,98	Cast-Iron Impeller:	0,99
2	0,99	S.Steel Impeller:	0,94
>3	1,00		



Impeller	D [mm]
R0	239
R1	231
R2	222
R3	215
R4	206

N° max of stages :	10
Tolerances:	ISO 9906 grad.2
γ [Kg/m ³]:	1000
ν [mm ² /s]:	1
θ [°C]:	20



VAB 201

201

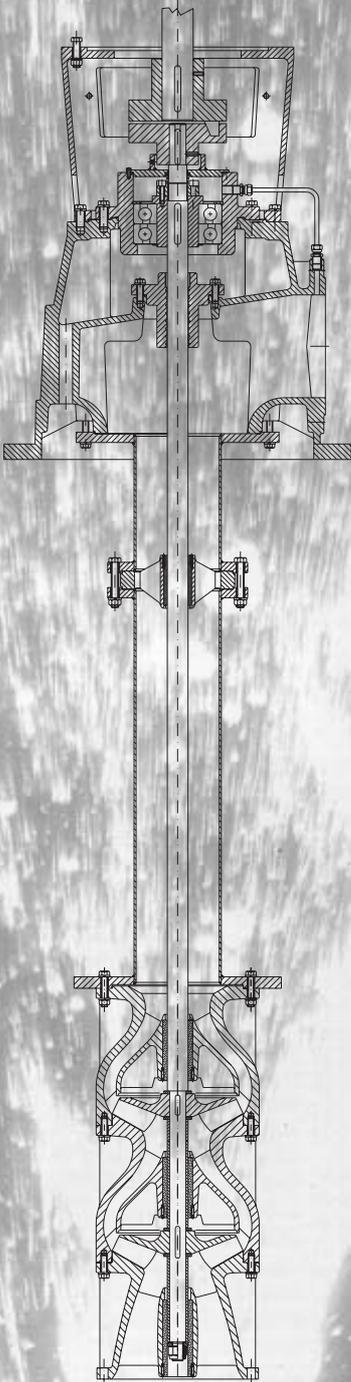
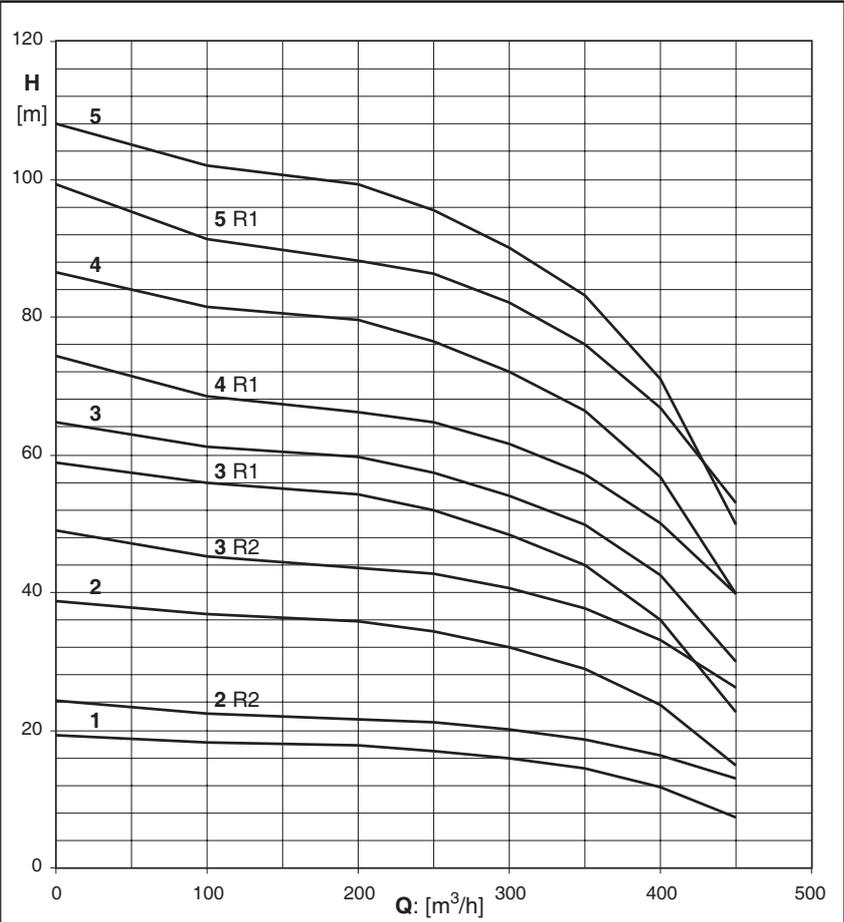
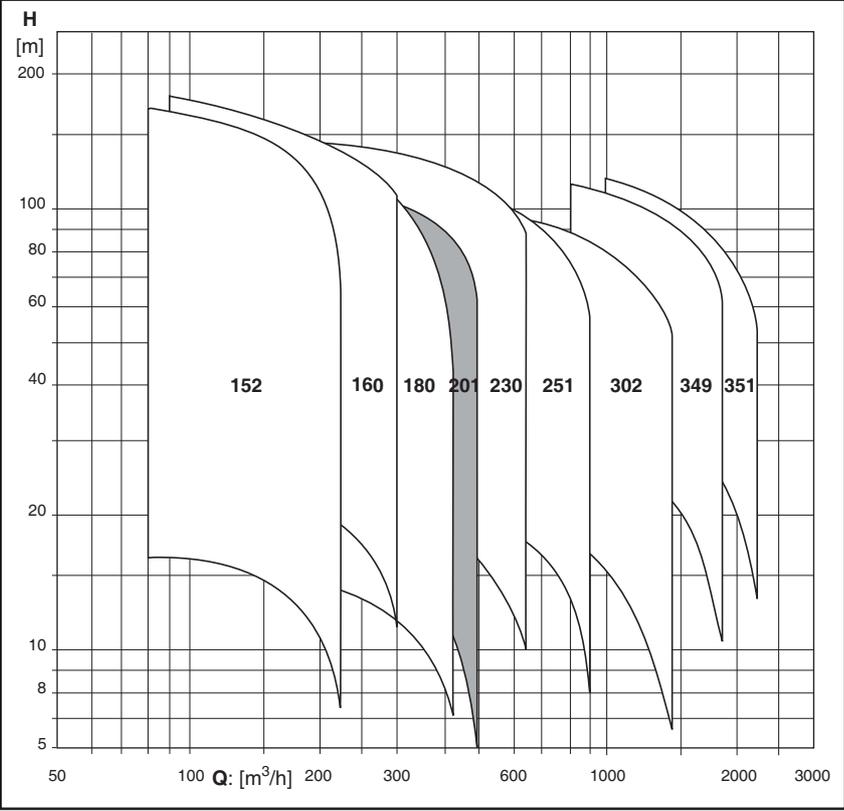
4 Poles/50Hz

4 Poles/ 50Hz

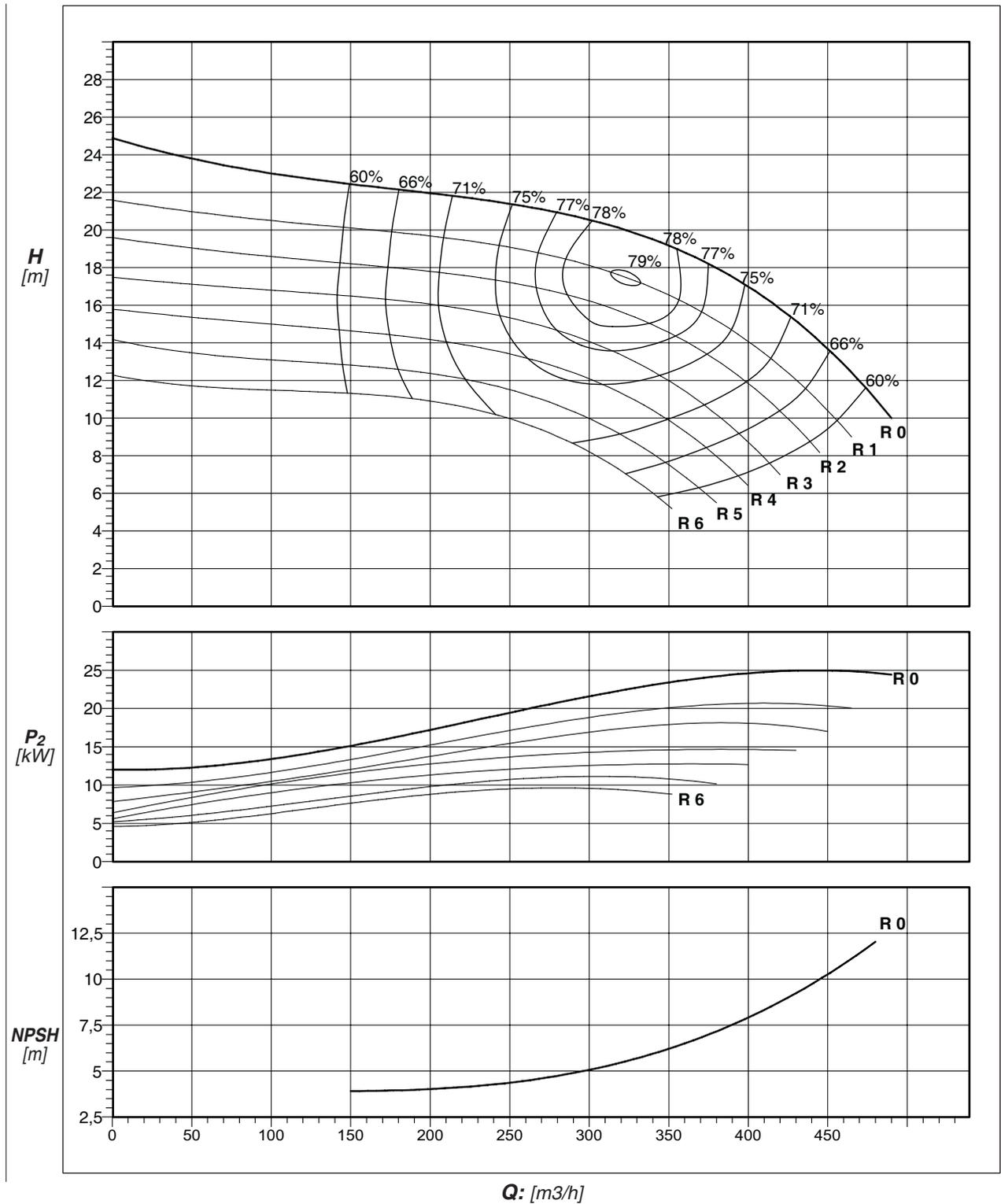
Q [m³/h]:
100 - 450

H [m]:
7 - 114

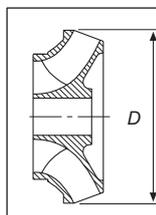
kW:
18,5 - 132



Performances for one stage / Curve per Stadio / Courbes pour stage **4 Poles/50Hz**



Impeller Reduct.		Material Reduction	
n.Stage	H- η		H- η
1	0,98	Cast-Iron Impeller:	0,99
2	0,99	S.Steel Impeller:	0,96
>3	1,00		



Impeller	D [mm]
R0	284
R1	264
R2	254
R3	244
R4	234
R5	224
R6	213

N° max of stages :	5
Tolerances:	ISO 9906 grad.2
γ [Kg/m ³]:	1000
ν [mm ² /s]:	1
θ [°C]:	20



VAB 251

251

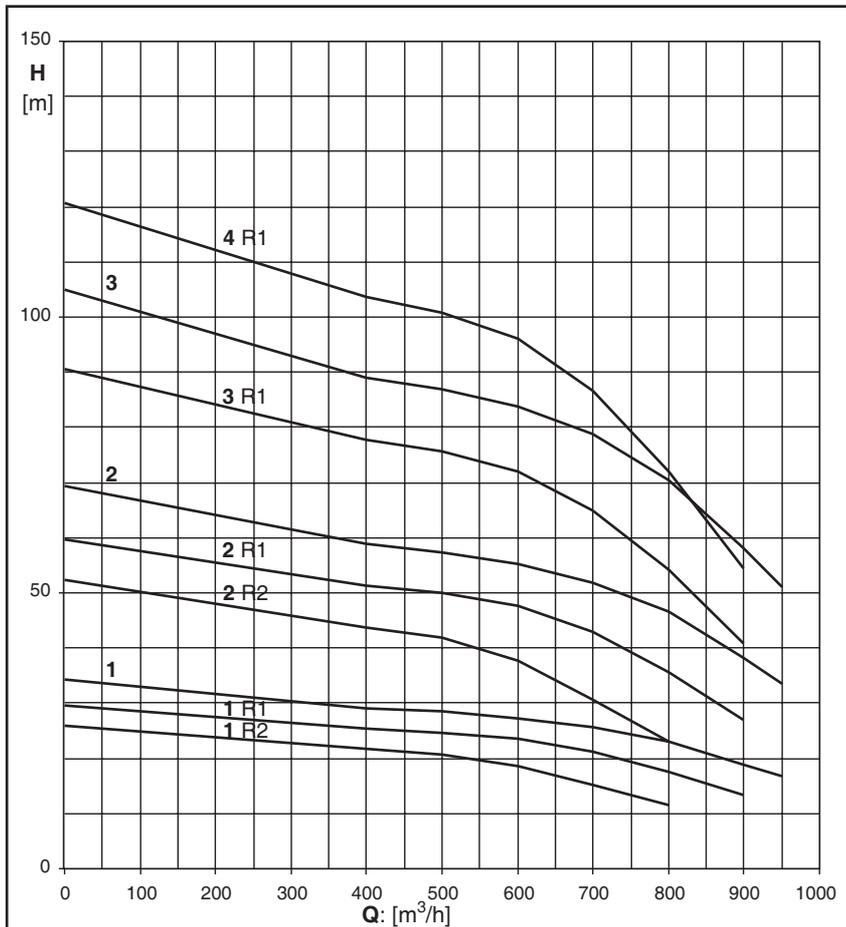
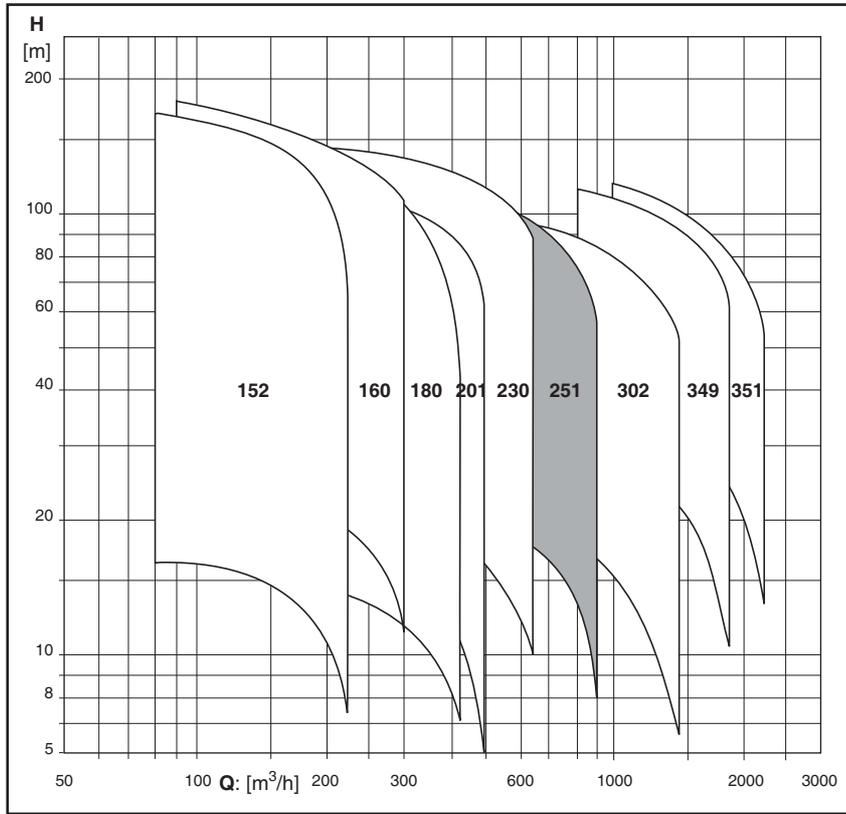
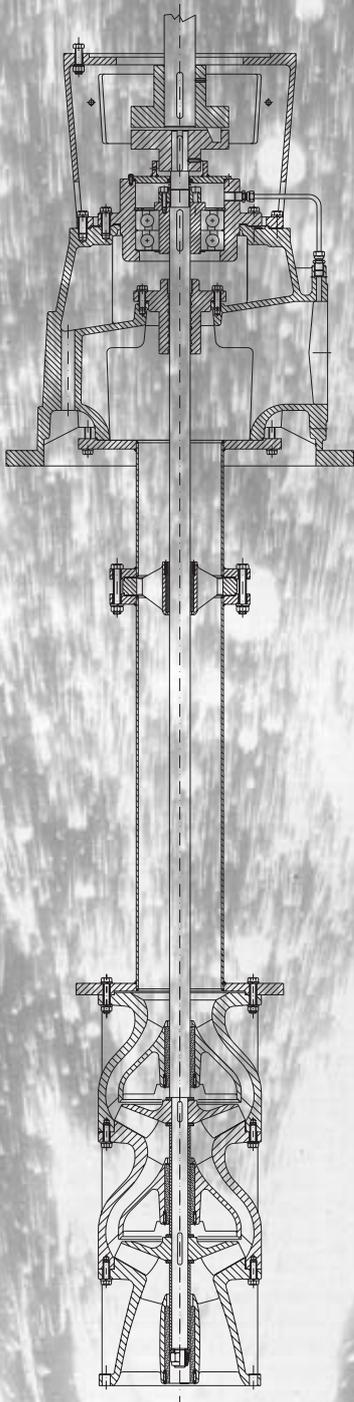
4 Poles/50Hz

4 Poles/50Hz

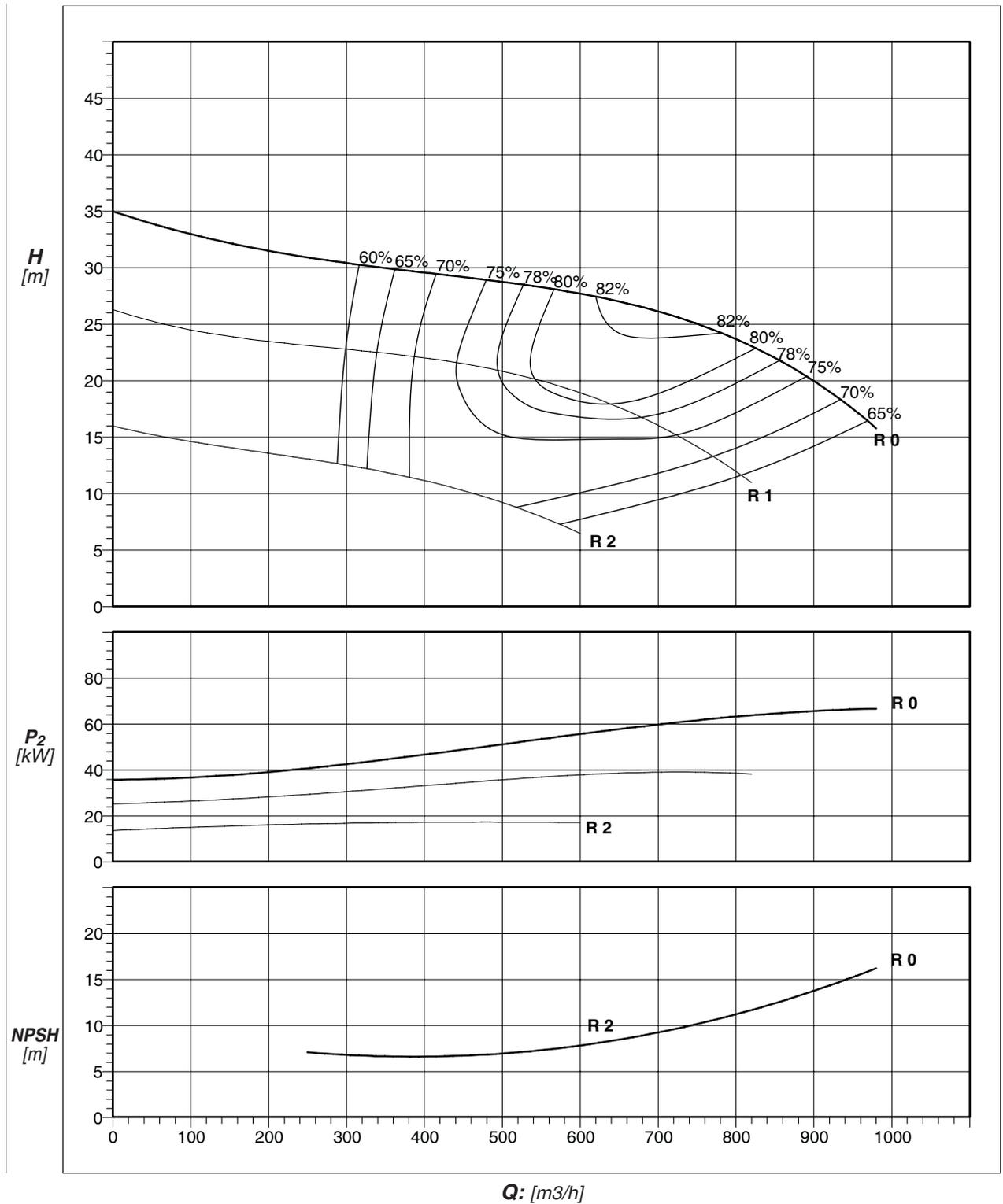
**Q [m³/h]:
400 - 950**

**H [m]:
11 - 120**

**kW:
45 - 315**

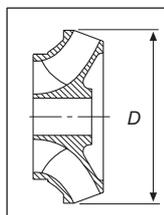


Performances for one stage / Curve per Stadio / Courbes pour stage **4 Poles/50Hz**



Impeller Reduct.		Material Reduction	
n.Stage	H- η		H- η
1	0,98	Cast-Iron Impeller:	0,99
2	0,99	S.Steel Impeller:	0,96
>3	1,00		

Impeller	D [mm]
R0	335
R1	293
R2	241



N° max of stages :	4
Tolerances:	ISO 9906 grad.2
γ [Kg/m ³]:	1000
ν [mm ² /s]:	1
θ [°C]:	20



VAB 302

302

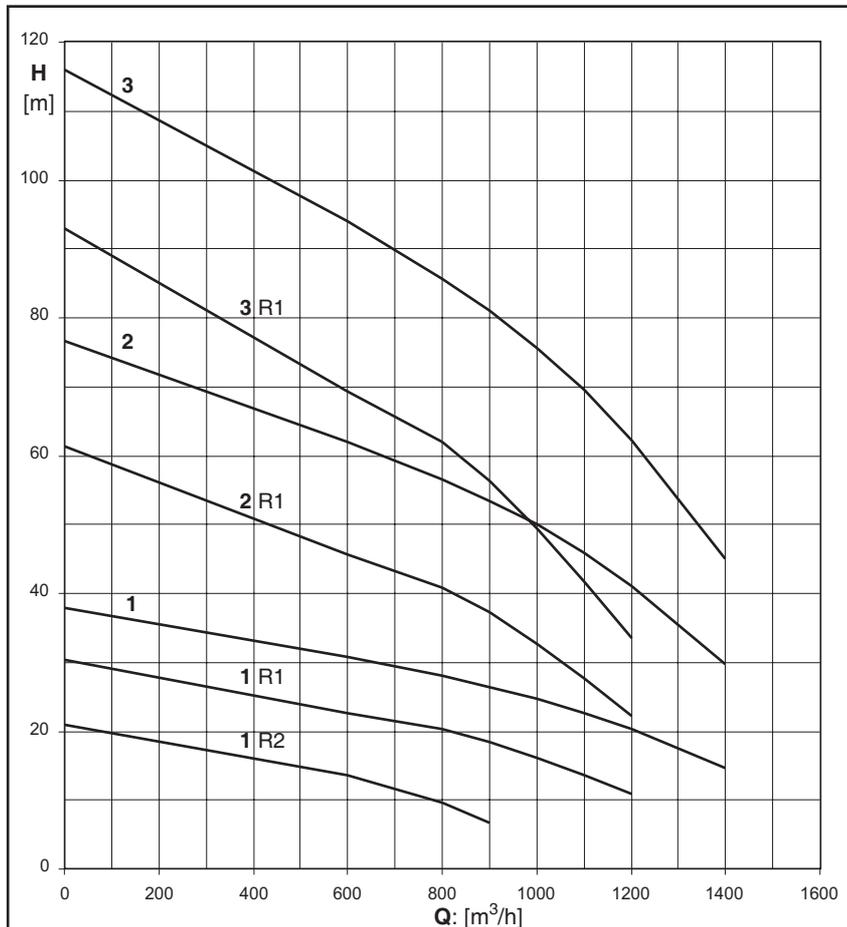
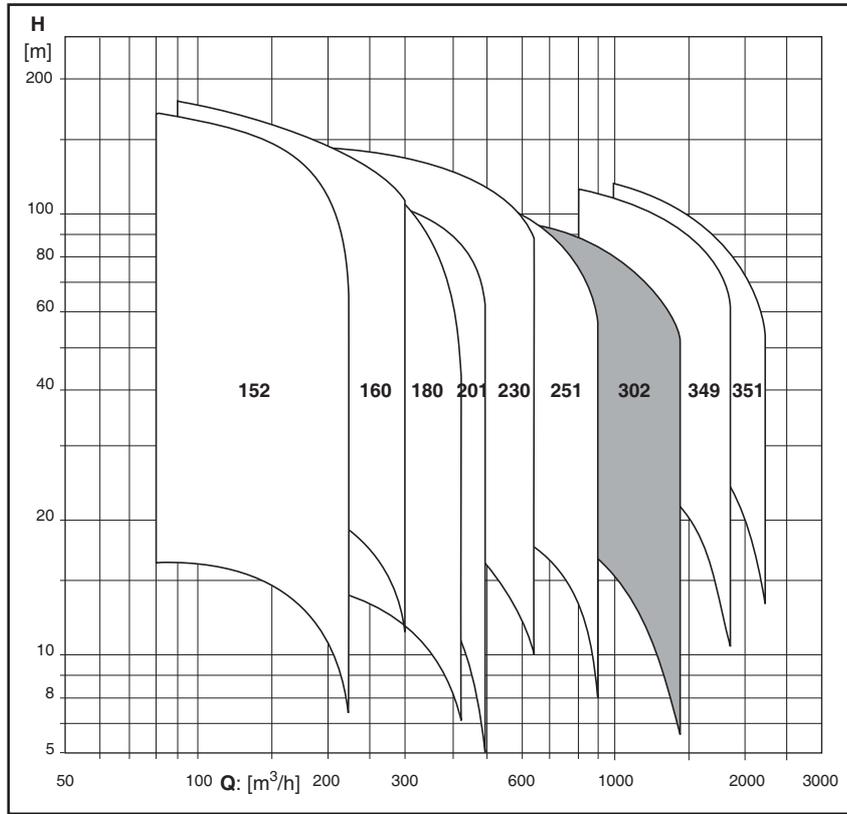
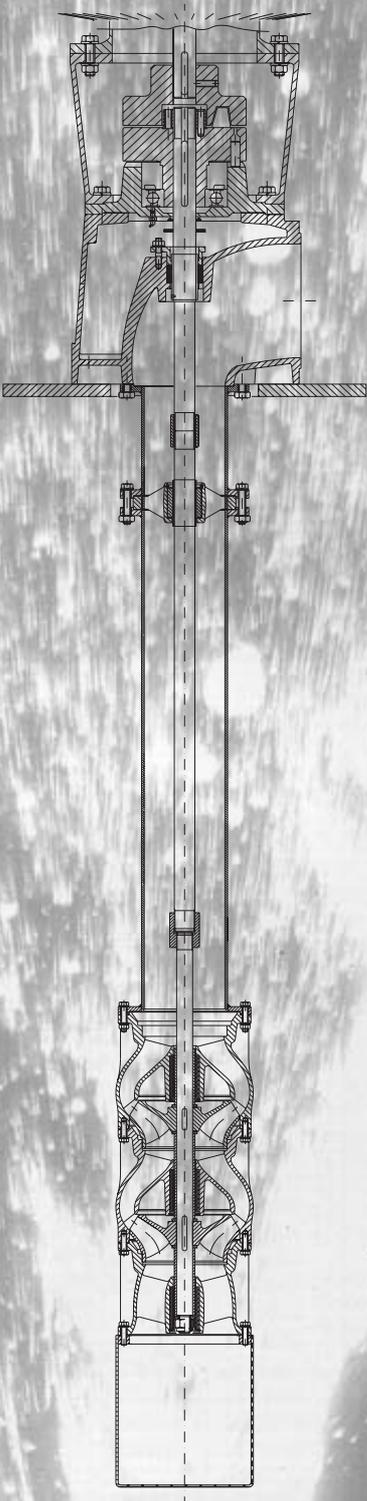
4 Poles/50Hz

4 Poles/50Hz

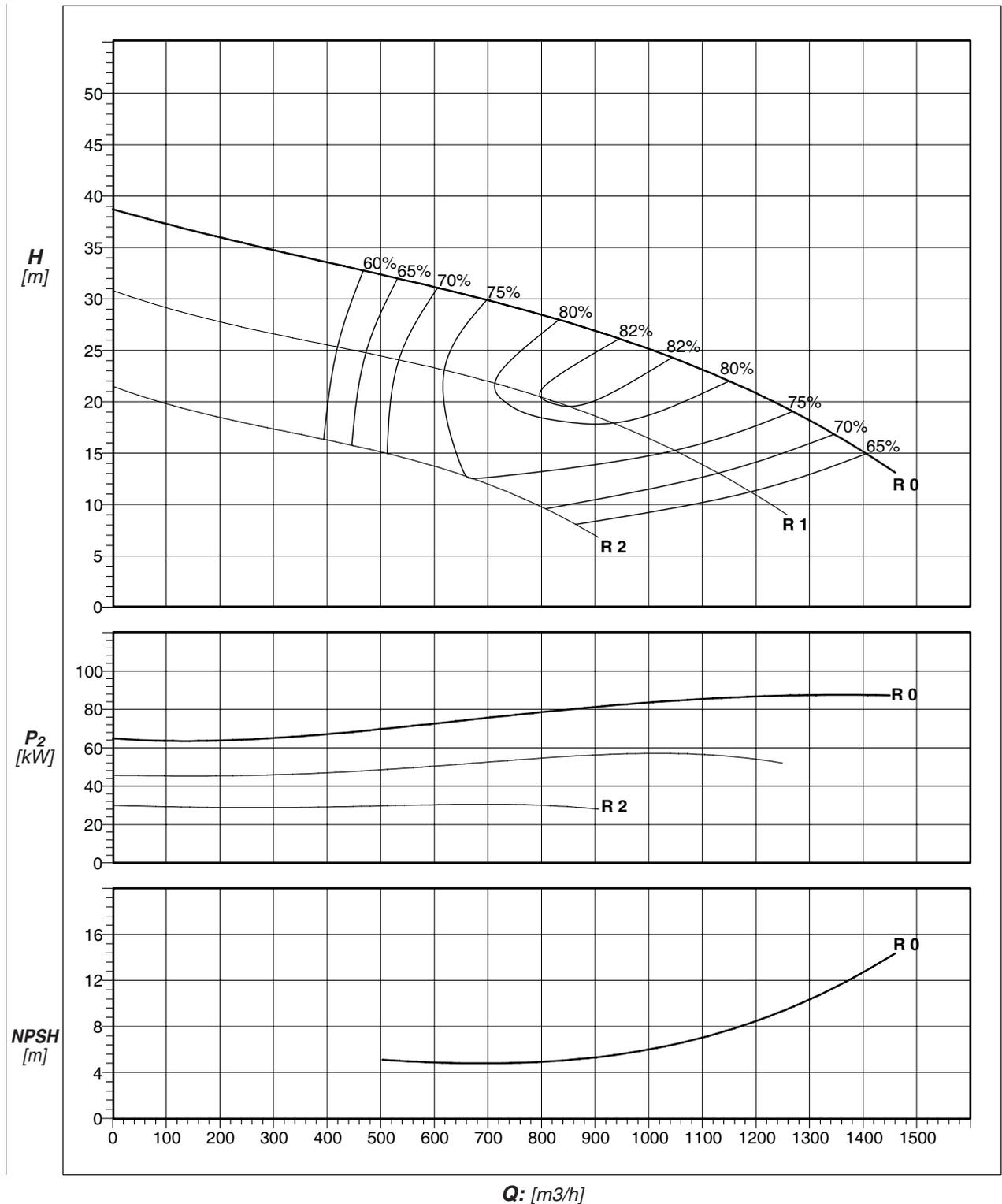
**Q [m³/h]:
600 - 1400**

**H [m]:
7 - 94**

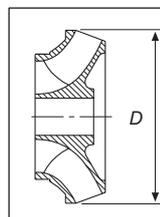
**kW:
45 - 315**



Performances for one stage / Curve per Stadio / Courbes pour stage **4 Poles/50Hz**



Impeller Reduct.		Material Reduction	
n.Stage	H- η		H- η
>1	1,00	Cast-Iron Impeller:	0,99
		S.Steel Impeller:	0,97



Impeller	D [mm]
R0	346
R1	321
R2	285

N° max of stages :	3
Tolerances:	ISO 9906 grad.2
γ [Kg/m ³]:	1000
ν [mm ² /s]:	1
θ [°C]:	20



VAB 349

349

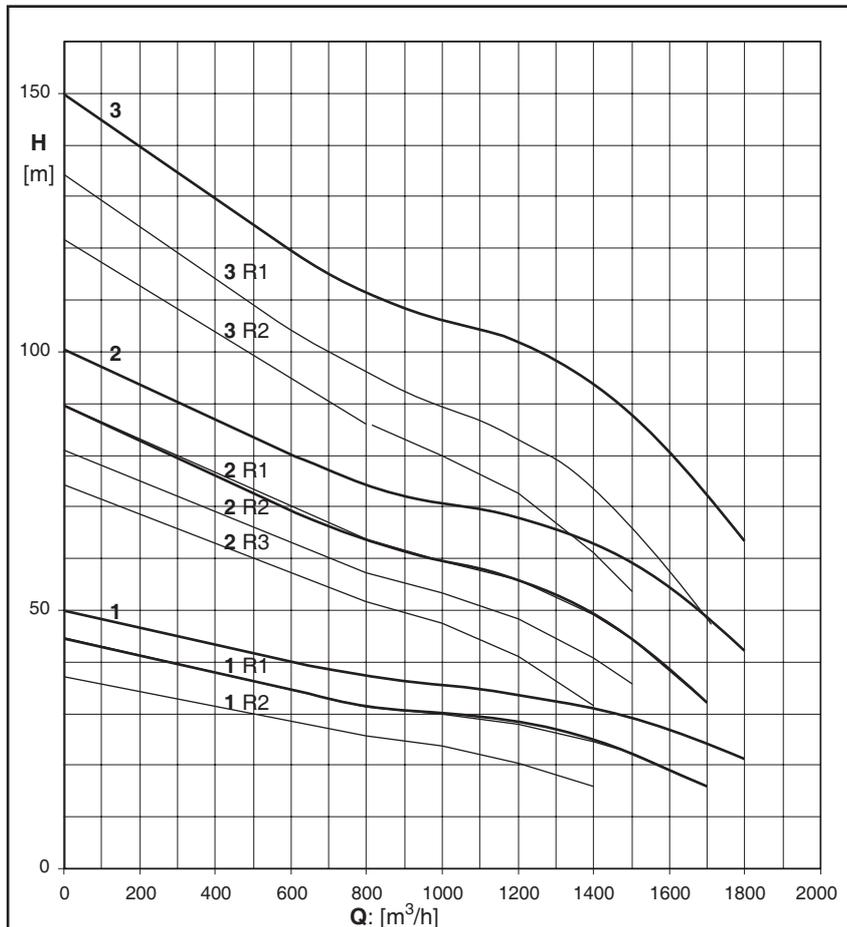
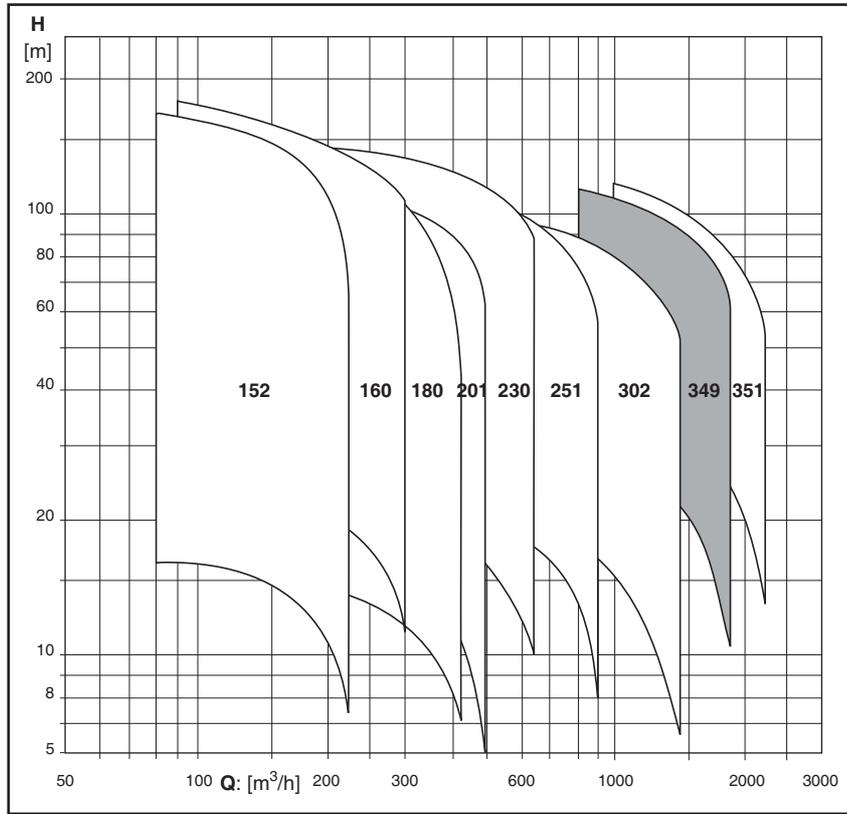
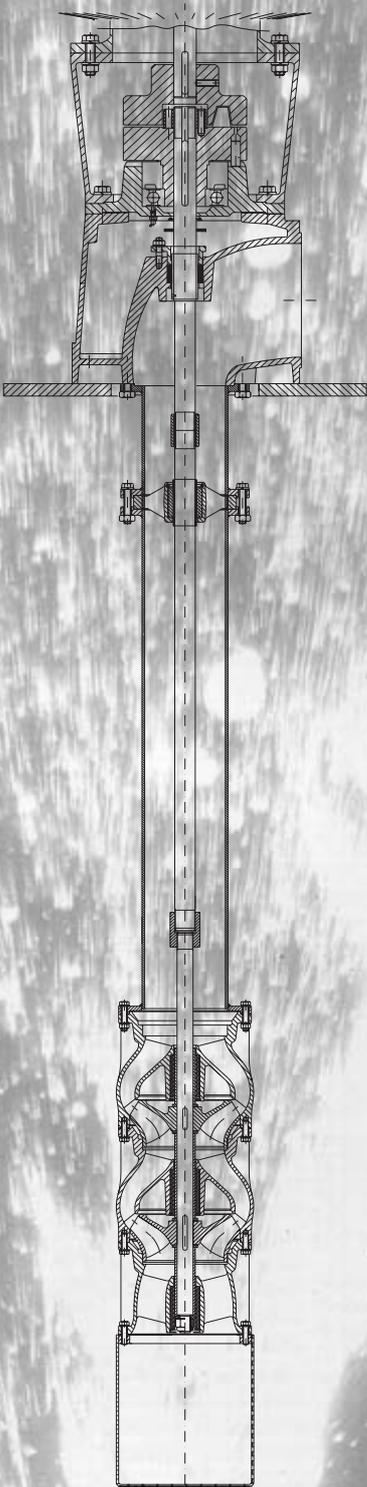
4 Poles/50Hz

4 Poles/50Hz

**Q [m³/h]:
800 - 1800**

**H [m]:
16 - 110**

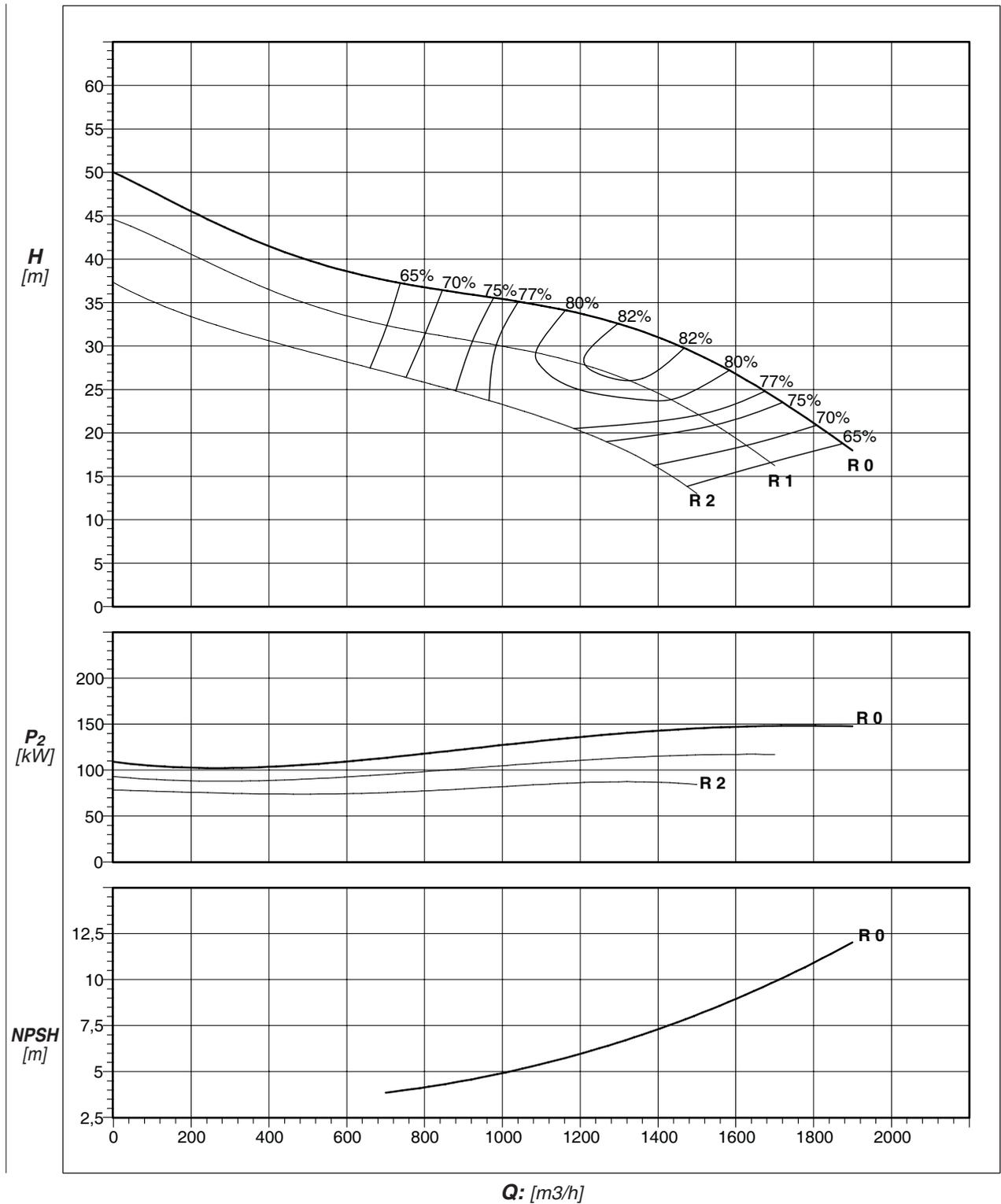
**kW:
110 - 450**



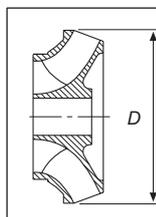
Pompa Pump Pompe	Portata - Delivery - Debit												
	USgpm	0	3520	4400	5280	6160	6600	7480	7920	Linea d'asse Line shaft LA	Motor [kW]	Testata Head BG	DN [mm]
	l/s	0	222	278	333	389	417	472	500				
	l/min	0	13333	16667	20000	23333	25000	28333	30000				
	m ³ /h	0	800	1000	1200	1400	1500	1700	1800				
VAB349-1 R2	H	37	26	23,5	20,5	15,5	-	-	-	330x50	110	60EG8E	300
	kW	79	78	84	88	86	-	-	-				
VAB349-1 R1	H: Prevalenza manometrica totale in metri / Total manometric head:m / Hauteur manométrique en metres kW: Potenza assorbita pompa / Pump absorbed power / Puissance absorbée par la pompe	45	31,5	29,5	27,5	24,5	22,5	16	-	330x50	132	60EG8E	300
		94	97	105	111	116	118	113	-				
VAB349-1 R0		50	37	35	34	31	29	23	21	330x50	160	60EG8F	300
		110	119	129	138	144	146	146	143				
VAB349-2 R2		74	52	48	41	32	-	-	-	330x60	200	60EO1F	300
		152	163	174	183	181	-	-	-				
VAB349-2 R1		90	63	60	56	49	44	32	-	330x60	315	60FO3G	300
		188	199	209	221	237	240	226	-				
VAB349-2 R0		100	73	71	68	63	59	48	42	330x60	315	60FO3G	300
		221	237	258	277	289	292	295	295				
VAB349-3 R2		112	76	70	62	48	36	-	-	330x60	315	60FO3G	300
		240	250	254	270	270	250	-	-				
VAB349-3 R1		134	94	89	84	74	67	48	-	330x70	400	60FO4H	300
		283	299	314	332	356	360	339	-				
VAB349-3 R0	150	110	106	102	94	88	73	63	330x70	450	60FO4H	300	
	331	356	387	415	433	439	443	442					
NPSH r [m]		4	5	6	7	8	10	11	ISO 9906grad.2				
Min. Sommergenza/Submergency [m]		0,5	0,66	0,9	1,0	1,1	1,22	1,3					

Note: Le prevalenze, relative al solo corpo pompa, sono con giranti in bronzo. Con giranti ghisa Hx0,99, con giranti Inox Hx0,97
 Note: Manometric heads, at pump bowls, are valid for bronze impellers. With cast iron Hx0,99, with Stainless Steel Hx0,97

Performances for one stage / Curve per Stadio / Courbes pour stage **4 Poles/50Hz**



Impeller Reduct.		Material Reduction	
n.Stage	H-η		H-η
>1	1,00	Cast-Iron Impeller:	0,99
		S.Steel Impeller:	0,97



Impeller	D [mm]
R0	385
R1	368
R2	324

N° max of stages :	3
Tolerances:	ISO 9906 grad.2
γ [Kg/m ³]:	1000
v [mm ² /s]:	1
θ [°C]:	20



VAB 351

351

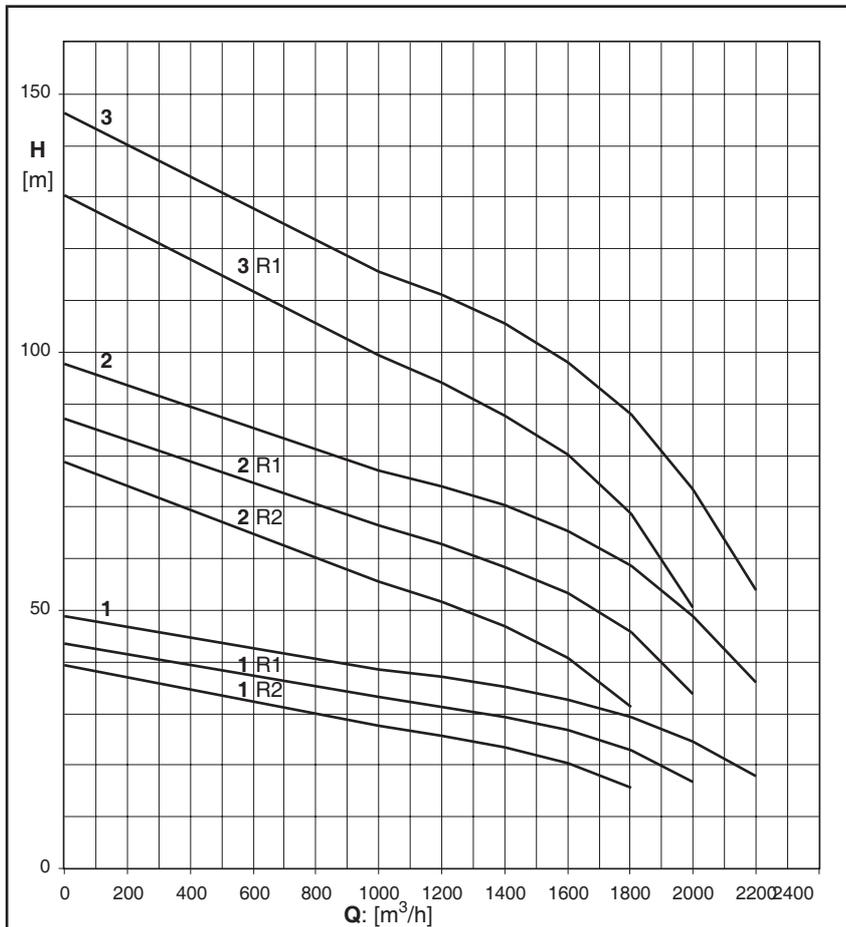
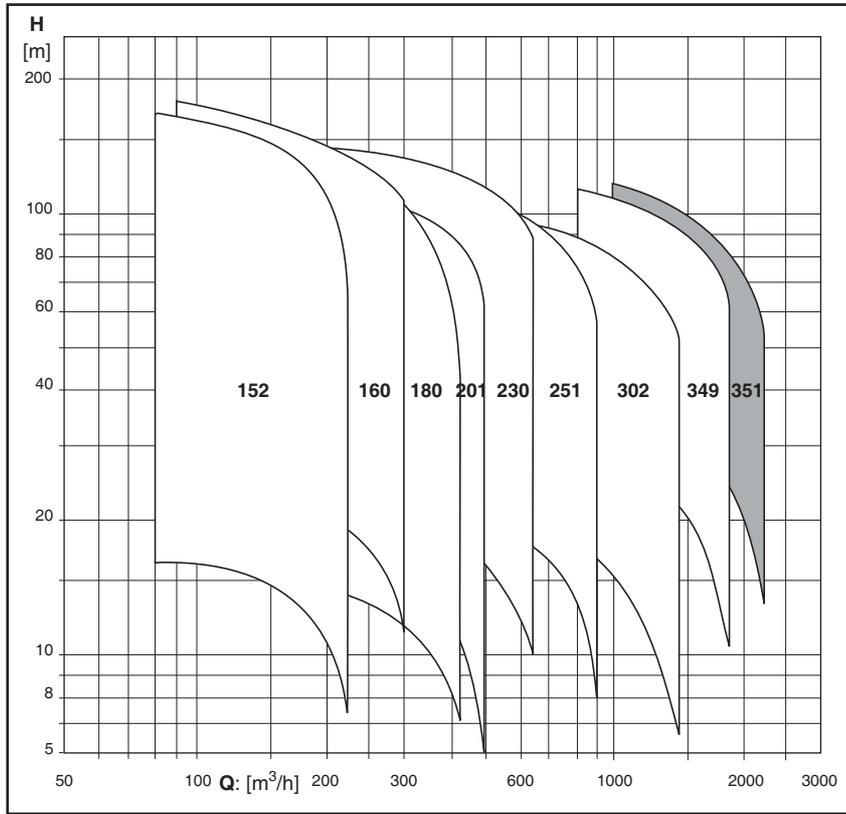
4 Poles/50Hz

4 Poles/50Hz

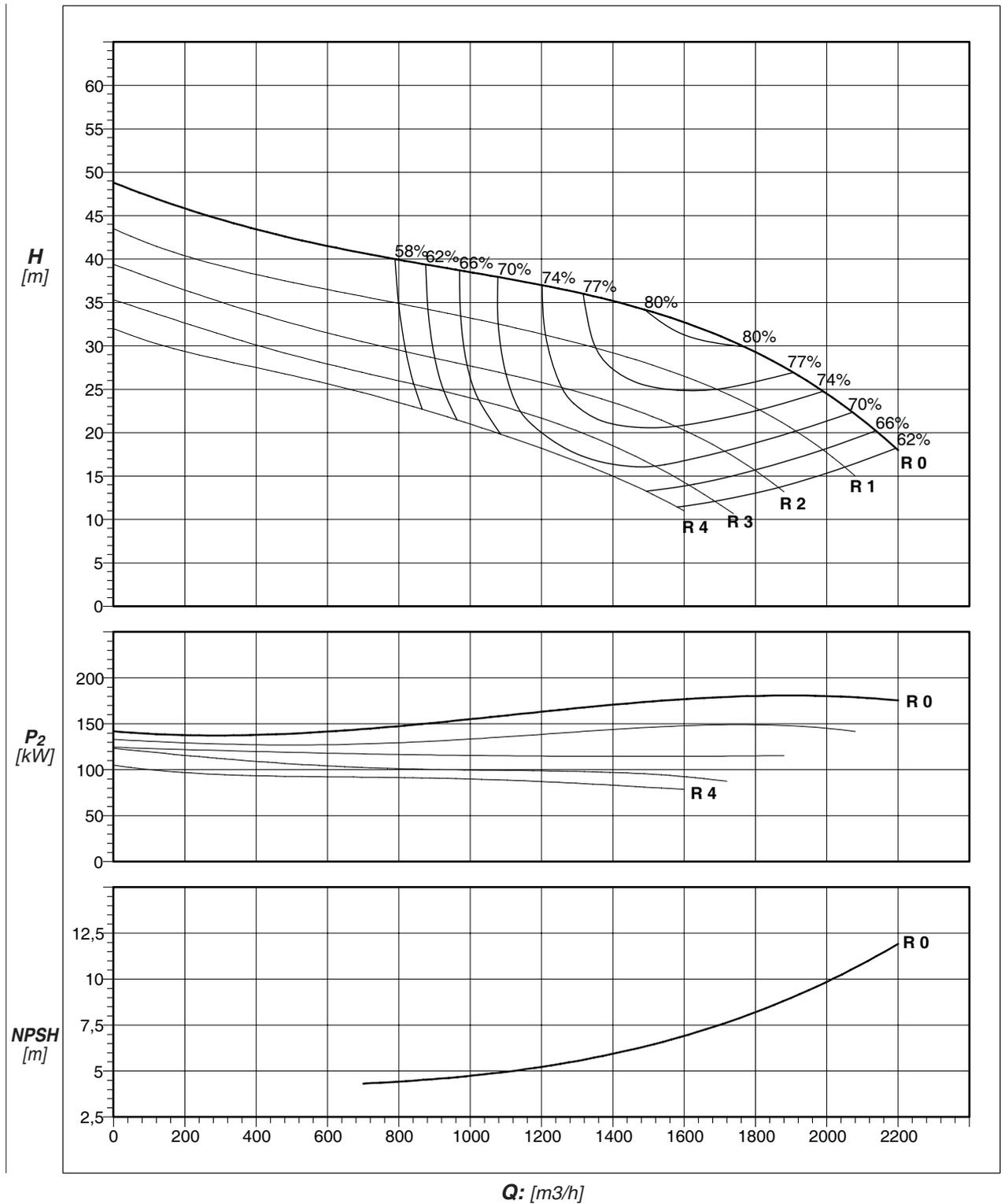
**Q [m³/h]:
1000 - 2200**

**H [m]:
16 - 115**

**kW:
132 - 560**

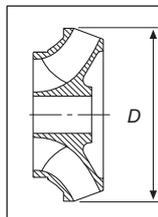


Performances for one stage / Curve per Stadio / Courbes pour stage **4 Poles/50Hz**



Impeller Reduct.	
n.Stage	H-η
>1	1,00

Material Reduction	
	H-η
Cast-Iron Impeller:	0,99
S.Steel Impeller:	0,97



Impeller	D [mm]
R0	396
R1	378
R2	363
R3	348
R4	346

N° max of stages :	3
Tolerances:	ISO 9906 grad.2
γ [Kg/m ³]:	1000
ν [mm ² /s]:	1
θ [°C]:	20