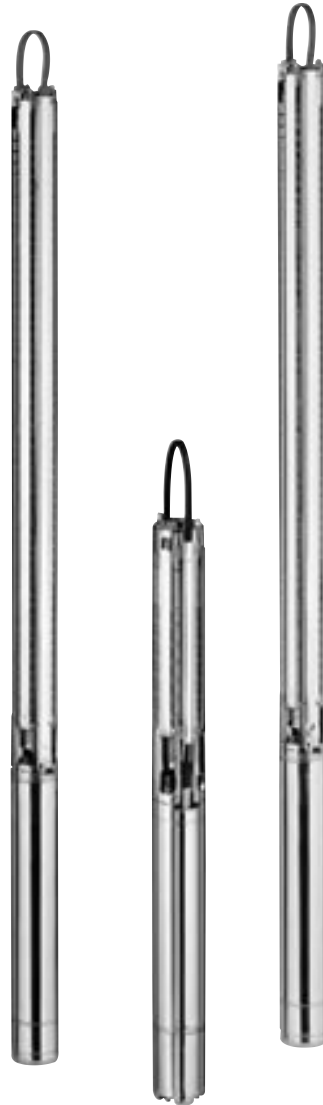


4" borehole multistage pump entirely made of stainless steel AISI 304. The smooth surface of the impellers and diffusers offer an improved efficiency, and reliability factor. Applications include clean water extraction from boreholes, pressure boosting for domestic, farming and industrial applications. Installation can be horizontal as well as vertical. The 4BHS can be fitted to any NEMA standard motor.



SPECIFICATIONS

- Maximum immersion: 100 mts
- Maximum liquid temperature: 30°C
- Maximum sand content: 50 ppm

MATERIALS

- Bracket, suction and discharge ports, coupling, impeller, diffuser, diffuser cover, valve, tie-rod and cable guard in AISI 304
- Liner ring in tecnopolymer/AISI 304
- Shaft in AISI 316

TECHNICAL DATA

Pumps can be requested to be coupled with the following motor versions:

- Pump O4BHS with motor OY in coolant liquid bath (max liquid temperature 40°C)
- Pump W4BHS with motor WY in water bath (max liquid temperature 30°C)

Both types of motor have the following features:

- 2 poles motor, water filled (WY version) or oil filled (OY version)
- Maximum startings/hour: 30
- Insulation class F
- Protection degree IP58
- 1~220V ± 6% 50Hz, 3~380V ± 6% 50Hz

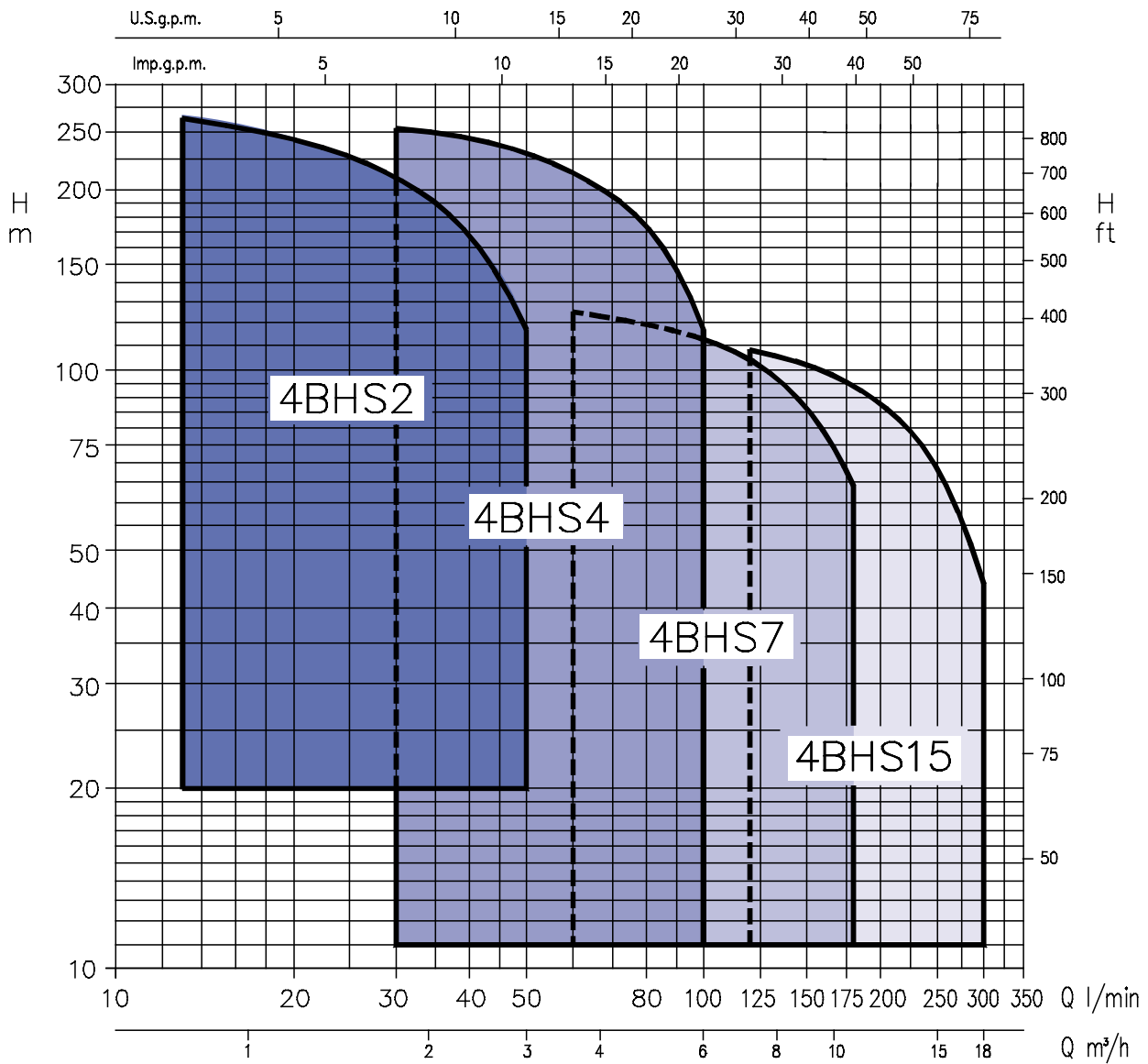
PERFORMANCE TABLE

Pump type Single-phase 220V 50Hz	kW	Capacitor			Absorbed Current (A)	
		μF		Vc	Single-phase 220V	
		W	O		W	O
4BHS2 13/5M	0,55	20	25	450	4,9	4,5
4BHS2 18/7M	0,75	30	35	450	5,6	5,8
4BHS2 27/11M	1,1	40	40	450	9,1	7,8
4BHS2 36/15M	1,5	60	60	450	11,2	10,6
4BHS2 44/22M	2,2	80	80	450	15,8	14,9
4BHS2 51/22M	2,2	80	80	450	15,8	14,9
4BHS4 7/5M	0,55	20	25	450	4,9	4,5
4BHS4 10/7M	0,75	30	35	450	5,6	5,8
4BHS4 15/11M	1,1	40	40	450	9,1	7,8
4BHS4 20/15M	1,5	60	60	450	11,2	10,6
4BHS4 24/22M	2,2	80	80	450	15,8	14,9
4BHS4 29/22M	2,2	80	80	450	15,8	14,9
-	-	-	-	-	-	-
-	-	-	-	-	-	-
4BHS7 5/7M	0,75	30	35	450	5,6	5,8
4BHS7 7/11M	1,1	40	40	450	9,1	7,8
4BHS7 10/15M	1,5	60	60	450	11,2	10,6
4BHS7 12/22M	2,2	80	80	450	15,8	14,9
4BHS7 14/22M	2,2	80	80	450	15,8	14,9
-	-	-	-	-	-	-
-	-	-	-	-	-	-
4BHS15 7/15M	1,5	60	60	450	11,2	10,6
4BHS15 10/22M	2,2	80	80	450	15,8	14,9
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

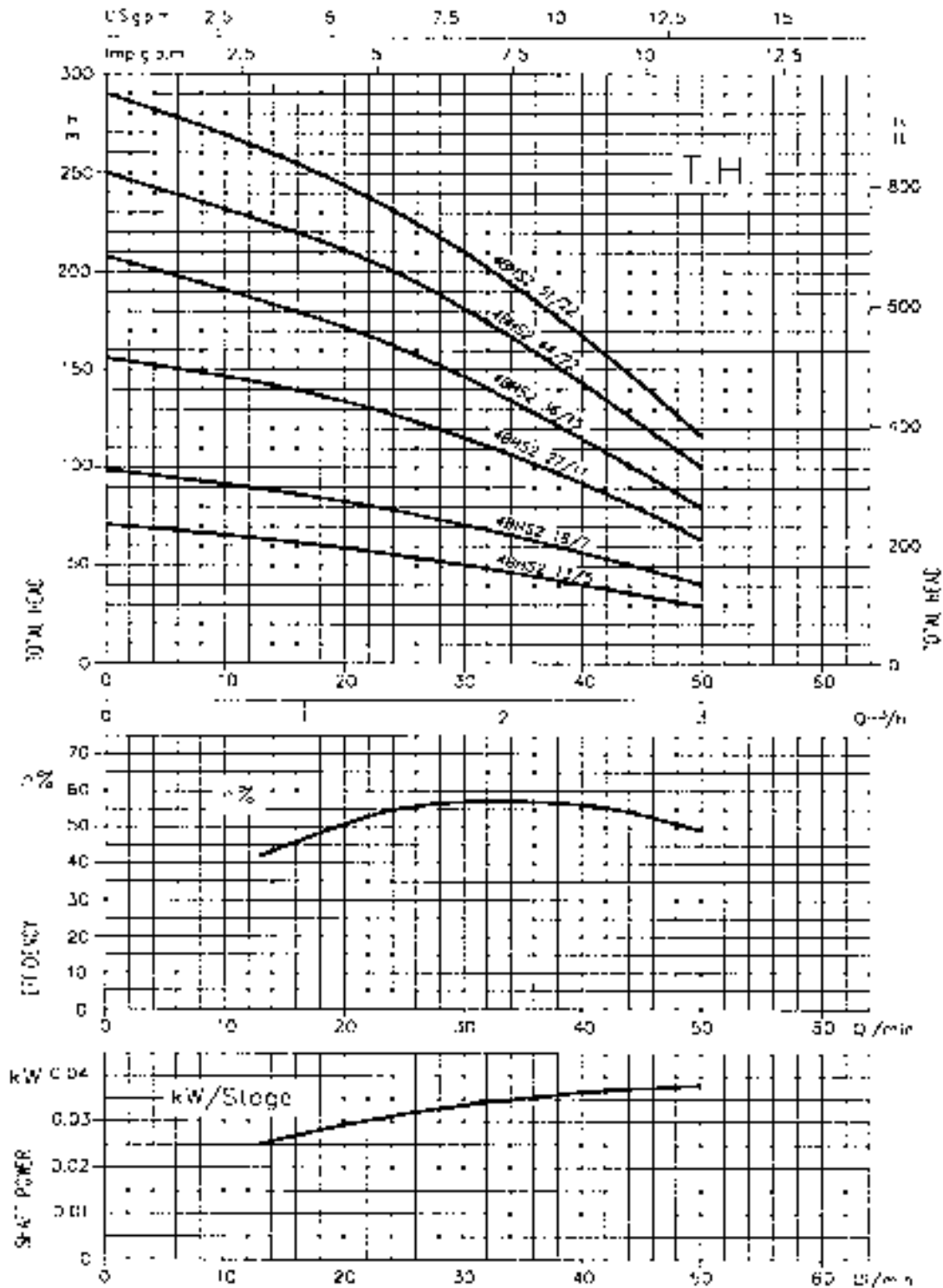
Pump type Three-phase 380V 50Hz	kW	Absorbed Current (A)	
		Three-phase 380V	
		W	O
4BHS2 13/5	0,55	2,0	1,75
4BHS2 18/7	0,75	2,5	2,4
4BHS2 27/11	1,1	3,4	3,4
4BHS2 36/15	1,5	4,5	4,4
4BHS2 44/22	2,2	6,1	6,0
4BHS2 51/22	2,2	6,1	6,0
4BHS4 7/5	0,55	2,0	1,75
4BHS4 10/7	0,75	2,5	2,4
4BHS4 15/11	1,1	3,4	3,4
4BHS4 20/15	1,5	4,5	4,4
4BHS4 24/22	2,2	6,1	6,0
4BHS4 29/22	2,2	6,1	6,0
4BHS4 36/30	3,0	8,1	8,5
4BHS4 48/40	4,0	10,6	10,8
4BHS7 5/7	0,75	2,5	2,4
4BHS7 7/11	1,1	3,4	3,4
4BHS7 10/15	1,5	4,5	4,4
4BHS7 12/22	2,2	6,1	6,0
4BHS7 14/22	2,2	6,1	6,0
4BHS7 18/30	3,0	8,1	8,5
4BHS7 23/40	4,0	10,6	10,8
4BHS15 7/15	1,5	4,5	4,4
4BHS15 10/22	2,2	6,1	6,0
4BHS15 13/30	3,0	8,1	8,5
4BHS15 17/40	4,0	10,6	10,8
4BHS15 25/55	5,5	14,5	14,5

Pump type 4BHS	kW	l/min m³/h	Q=Capacity									
			13	30	40	50	60	100	120	180	250	300
			0,8	1,8	2,4	3,0	3,6	6	7,2	10,8	15	18
			H=Total head									
4BHS2 13/5	0,55	65	52	41	29,5	-	-	-	-	-	-	
4BHS2 18/7	0,75	90	71	58	41	-	-	-	-	-	-	
4BHS2 27/11	1,1	143	114	92	64	-	-	-	-	-	-	
4BHS2 36/15	1,5	186	145	116	80	-	-	-	-	-	-	
4BHS2 44/22	2,2	227	178,7	141	97	-	-	-	-	-	-	
4BHS2 51/22	2,2	275	222,8	181	125	-	-	-	-	-	-	
4BHS4 7/5	0,55	-	37	36	34	31,5	18,5	-	-	-	-	
4BHS4 10/7	0,75	-	53	52,5	48	45	26	-	-	-	-	
4BHS4 15/11	1,1	-	79	76	72	66,5	39	-	-	-	-	
4BHS4 20/15	1,5	-	105	102	96	89	50	-	-	-	-	
4BHS4 24/22	2,2	-	126	122	115	106	61	-	-	-	-	
4BHS4 29/22	2,2	-	154	150	141,5	132	76	-	-	-	-	
4BHS4 36/30	3,0	-	189	178	170	156,5	85	-	-	-	-	
4BHS4 48/40	4,0	-	253	241,1	227	210	109,4	-	-	-	-	
4BHS7 5/7	0,75	-	-	-	-	28	25	23	13,5	-	-	
4BHS7 7/11	1,1	-	-	-	-	38,5	35,5	32,5	20	-	-	
4BHS7 10/15	1,5	-	-	-	-	54	49,5	45	27	-	-	
4BHS7 12/22	2,2	-	-	-	-	65	59	54	33	-	-	
4BHS7 14/22	2,2	-	-	-	-	77	70	64	41	-	-	
4BHS7 18/30	3,0	-	-	-	-	100	90	82,5	51	-	-	
4BHS7 23/40	4,0	-	-	-	-	125	114	104	64	-	-	
4BHS15 7/15	1,5	-	-	-	-	-	-	30	27	18,5	12	
4BHS15 10/22	2,2	-	-	-	-	-	-	43,5	38	28,5	17,5	
4BHS15 13/30	3,0	-	-	-	-	-	-	55	47,5	36,1	25	
4BHS15 17/40	4,0	-	-	-	-	-	-	72	63	45	29	
4BHS15 25/55	5,5	-	-	-	-	-	-	108	95	68,2	44	

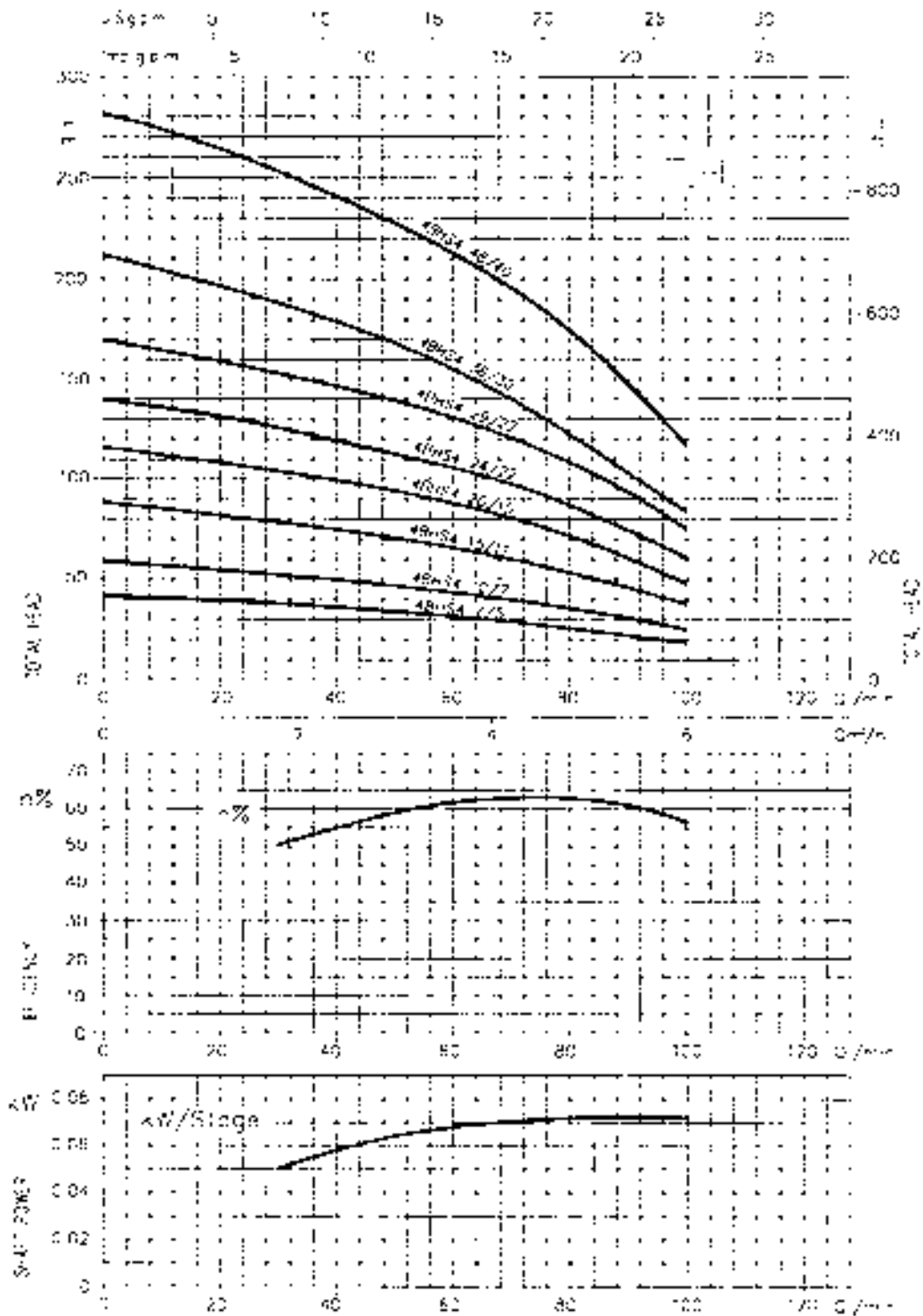
PERFORMANCE CHART (according to ISO 9906 grade 2)



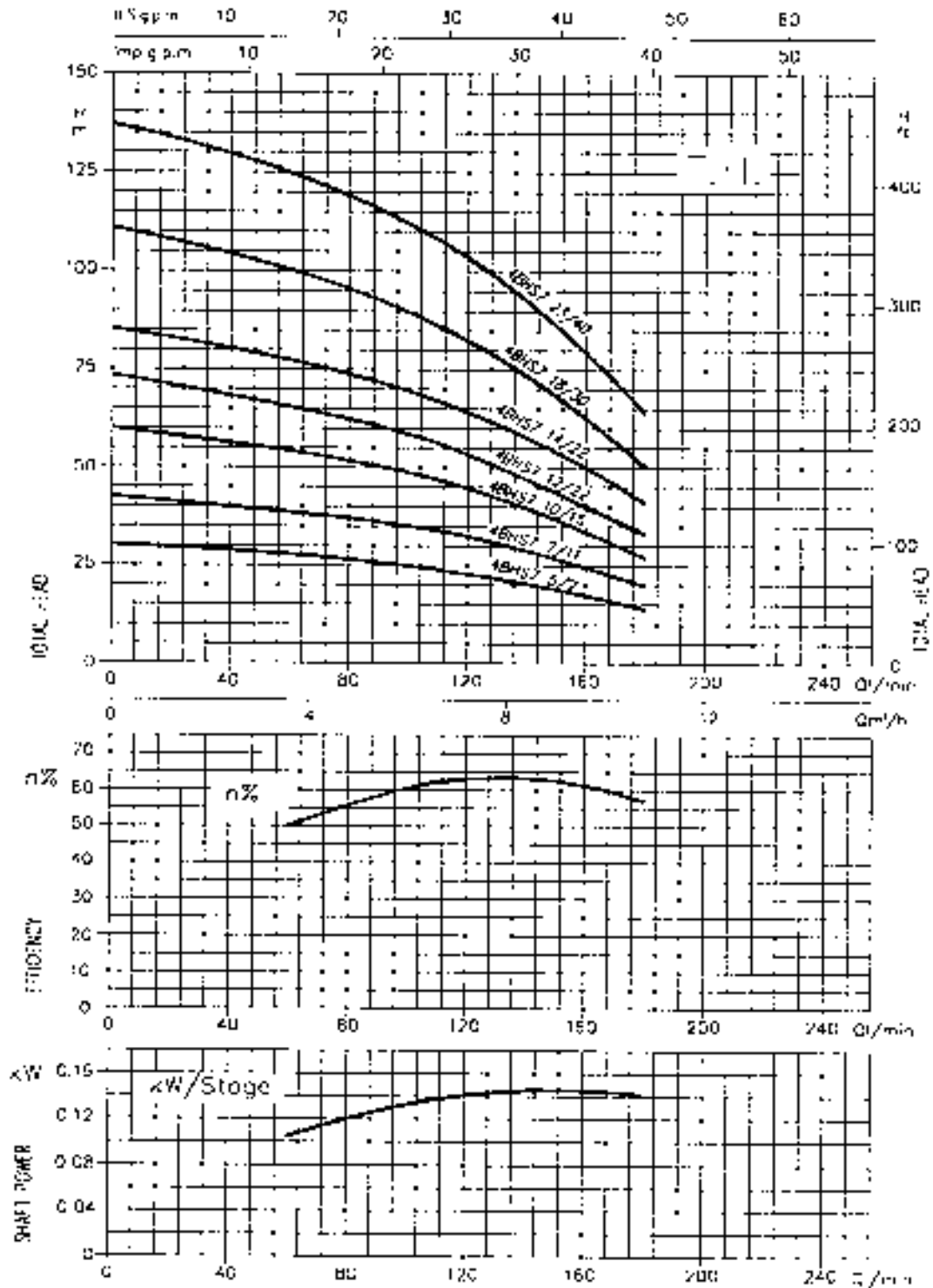
PERFORMANCE CURVES 4BHS 2 series (according to ISO 9906 grade 2)



PERFORMANCE CURVES 4BHS 4 series (according to ISO 9906 grade 2)



PERFORMANCE CURVES 4BHS 7 series (according to ISO 9906 grade 2)



PERFORMANCE CURVES 4BHS 15 series (according to ISO 9906 grade 2)

