



Hy Drop

water for life



6HDP

50Hz

6" Submersible pumps

6" Pompe sommerse

6HDP

6" SUBMERSIBLE PUMPS



6" Submersible pumps suitable for clean and not aggressive water and designed for water supply from 6" wells, tanks, irrigation and pressurization systems.



OPERATING SPECIFICATIONS

Max capacity: 66 m³/h

Max head: 840 m

Max power: 45 kW

Max sand: 150 g/m³

Max. water temperature: 35° C

Starting per hour: 15

Mounting: Vertical and/or horizontal

Min. water level: 1 meter above aspiration

Recommended coupling: 6"

TECHNICAL SPECIFICATIONS

Pump flange: 6" nema standard

External sleeve: AISI 304 SS

Diffusers/Impellers: PA (Polyamide)

Top casing: 3" threaded

Check valve: incorporated

Kit 1A - CHECK VALVE

gasket - (NBR)
wing valve - (SS 304)
wing valve aligner - (SS 304)
spring - (SS 316)

Kit 1A

Kit 1B - CHECK VALVE

o-rings - (NBR)
wing valve with cover - (SS 304)
wing valve aligner - (SS 304)
support wing valve - (SS 304)
seeger - (SS 304)

Kit 1B

Kit 2 - COVER CABLE

screw (4x) - (SS 304)
graffetta (2x) - (SS 304)
cable cover - (SS 304)

Kit 2

Kit 3 - SHAFT WITH COUPLING

shaft - (SS431B)
screw - (SS 304)
washer - (SS 304)
up thrust washer - (SS 304)
spacer - (PA)
coupling - (SS316L)

Kit 3

Kit 4

Kit 4 - UPPER SUPPORT

upper support - (SS 304)
spacer sleeve - (SS 304)
support sleeve - (SS316L+ceramic)

Kit 5 - INTERMEDIATE SUPPORT

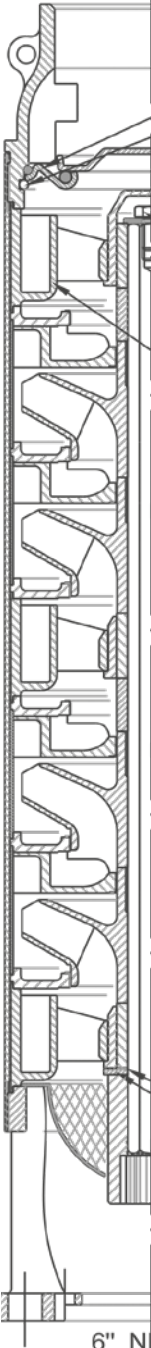
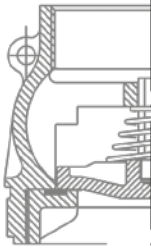
disk - (SS 304)
spacer sleeve - (SS 304)
intermediate support - (SS 304)
support sleeve - (SS 304)

Kit 5

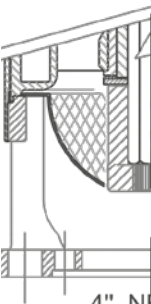
Kit 6 - BOTTOM SUPPORT

disk - (SS 304)
lower support - (SS 304)
support sleeve - (SS316L)

Kit 6



6" N



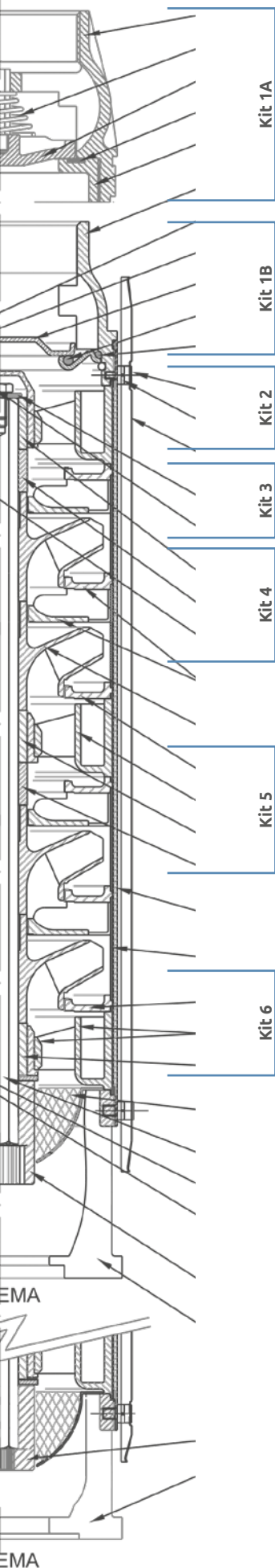
4" N

6HDP

6" POMPE SOMMERSE



Pompe Sommerse 6" adatte ad acqua pulita e non aggressiva e progettate per l'approvvigionamento idrico da pozzi 6", vasche raccolta acqua, irrigazione e impianti di pressurizzazione



VALVOLA - Kit 1A
guarnizione - (NBR)
otturatore (SS 304)
guida otturatore - (SS 304)
molla - (SS 316)

VALVOLA - Kit 1B
o-rings - (NBR)
otturatore (SS 304)
guida otturatore - (SS 304)
appoggio otturatore seeger - (SS 304)

COPRICAVO - Kit 2
vite (4x) - (SS 304)
graffetta (2x) - (SS 304)
copicavo - (SS 304)

ALBERO CON GIUNTO - Kit 3
albero - (SS431B)
vite - (SS 304)
rondella - (SS 304)
rondella spallamento - (SS 304)
distanziale - (PA)
giunto - (SS316L)

SUPPORTO SUPERIORE - Kit 4
supporto posteriore - (SS 304)
bussola distanziatrice - (SS 304)
bussola supporto - (SS316L+ceramica)

SUPPORTO INTERMEDIO - Kit 5
disco - (SS 304)
bussola distanziatrice - (SS 304)
supporto intermedio - (SS316L)
bussola supporto - (SS 304)

SUPPORTO INFERIORE - Kit 6
disco - (SS 304)
supporto inferiore - (SS 304)
bussola supporto - (SS316L)

SPECIFICHE OPERATIVE

Capacità max.: 66 m³/h

Prevalenza max.: 840 m

Potenza max.: 45 kW

Contenuto di sabbia max.: 150 g/m³

Temperatura acqua max.: 35° C

Numero avviamenti orari max.: 15

Posizione di funzionamento: Verticale e/o orizzontale

Livello minimo d'acqua: 1 metro sopra l'aspirazione

Accoppiamento raccomandato: 6"

SPECIFICHE TECNICHE

Flangia di accoppiamento: 6" Nema standard

Tubo esterno: Acciaio inossidabile 304

Diffusori/Giranti: PA (Poliammide)

Bocca di mandata: 3" filettata

Valvola di non ritorno: incorporata

6HDP

OPERATING DATA

50Hz - 2 poles

Ø 140 mm | 3 "G

Type	HP	kW	A 1~230	A 3~400	m3/h	0	6,0	7,5	9,0	10,5	12,0	13,5	15,0	16,5	18,0	19,5	21,0	22,5	24	27	30	33	36	39				
					l/min	0	100	125	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600	650				
					l/sec	0	1,67	2,08	2,50	2,92	3,33	3,75	4,17	4,58	5,00	5,42	5,83	6,25	6,67	7,50	8,33	9,17	10,0	10,8				
6HDP-10 05	3	2,2	14,5	5,6		78	67	63	58	53	46	37	27	16														
6HDP-10 06	4	3	19,7	7,5		94	80	76	70	63	55	44	32	19														
6HDP-10 07	5	3,7	25,1	9,8		109	94	89	82	74	64	52	38	22														
6HDP-10 08	5	3,7	25,1	9,8		125	107	101	93	84	73	59	43	25														
6HDP-10 09	5,5	4	25,1	9,8		140	121	114	105	95	82	67	48	28														
6HDP-10 12	7,5	5,5	-	13		187	161	152	140	127	109	89	65	37														
6HDP-10 16	10	7,5	-	18		250	214	202	187	169	146	118	86	50														
6HDP-10 18	12,5	9,3	-	22		281	241	228	210	190	164	133	97	56														
6HDP-10 21	12,5	9,3	-	22		328	281	266	245	222	192	155	113	65														
6HDP-10 24	15	11	-	26		374	322	304	280	253	219	178	129	74														
6HDP-10 28	17,5	13	-	29		437	375	354	327	295	255	207	151	87														
6HDP-10 32SD	20	15	-	34		499	429	405	374	338	292	237	172	99														
6HDP-10 40SD	25	18,5	-	41		624	536	506	467	422	365	296	215	124														
6HDP-10 48SD	30	22	-	49		749	643	607,2	561	506	438	355	258,24	149														
6HDP-10 54SD	35	26	-	57		842	724	683,1	631	570	492	400	290,52	167,4														
6HDP-14 05	4	3	19,7	7,5		79			71	67,9	64	58	52,15	44,9	37	27	15											
6HDP-14 06	5,5	4	25,1	9,8		94			86	81,48	76	70	62,58	53,88	44	32	17											
6HDP-14 07	7,5	5,5	-	13		110			100	95,06	89	82	73,01	63	51	37	20											
6HDP-14 08	7,5	5,5	-	13		126			114	108,64	102	93	83,44	72	58	42	23											
6HDP-14 09	7,5	5,5	-	13		141			128	122,22	115	105	93,87	81	66	48	26											
6HDP-14 12	10	7,5	-	18		188			171	162,96	153	140	125,16	108	88	64	35											
6HDP-14 15	12,5	9,3	-	22		236			214	203,7	191	175	156,45	135	110	80	44											
6HDP-14 18	15	11	-	26		283			257	244,44	229	210	187,74	162	131	95	52											
6HDP-14 21	17,5	13	-	29		330			299	285,18	267	245	219,03	189	153	111	61											
6HDP-14 24	20	15	-	34		377			342	325,92	306	280	250,32	216	175	127	70											
6HDP-14 30	25	18,5	-	41		471			428	407,4	382	350	312,9	269	219	159	87											
6HDP-14 35SD	30	22	-	49		550			499	475,3	446	408	365,05	314	256	186	102											
6HDP-14 40SD	35	26	-	57		628			570	543,2	509	466	417,2	359	292	212	116											
6HDP-14 45SD	40	30	-	67		707			641	611,1	573	524	469,35	404	329	239	131											
6HDP-14 52SD	50	37	-	74		816			741	706,16	662	606	542,36	466,96	380	276	151											
6HDP-21 02	2	1,5	10,7	4,1		28						23	22	21	20	19	18	17	15	13	10	7	4					
6HDP-21 03	3	2,2	14,5	5,6		42						34	33	32	30	28	27	25	23	19	15	10	5					
6HDP-21 04	4	3	19,7	7,5		56						46	44	42	40	38	36	33	31	26	20	14	7					
6HDP-21 05	5,5	4	25,1	9,8		70						57	55	53	50	47	45	42	39	32	25	17	9					
6HDP-21 07	7,5	5,5	-	13		98						80	77	74	70	66	62	58	54	45	35	24	13					
6HDP-21 10	10	7,5	-	18		140						114	110	105	100	95	89	83	77	64	50	34	18					
6HDP-21 12	12,5	9,3	-	22		168						137	131	126	120	113	107	100	93	77	60	41	22					
6HDP-21 15	15	11	-	26		210						171	164	158	150	142	134	125	116	96	75	51	27					
6HDP-21 17	17,5	13	-	29		238						194	186	179	170	161	152	141	131	109	85	58	31					
6HDP-21 20	20	15	-	34		280						228	219	210	200	189	178	166	154	128	100	69	36					
6HDP-21 25	25	18,5	-	41		350						285	274	263	250	237	223	208	193	160	125	86	45					
6HDP-21 30SD	30	22	-	49		420						342	329	315	300	284	268	250	232	192	149	103	54					
6HDP-21 35SD	35	26	-	57		490						399	383	368	350	331	312	291	270	224	174	120	63					
6HDP-21 40SD	40	30	-	67		560						456	438	420	400	379	357	333	309	256	199	137	72					
6HDP-21 50SD	50	37	-	74		700						571	548	525	500	474	446	416	386	320	249	172	90					
6HDP-21 58STR	60	45	-	95		812						662	635	609	579	549	517	483	448	371	289	199	104					

6HDP

OPERATING DATA 50Hz - 2 poles

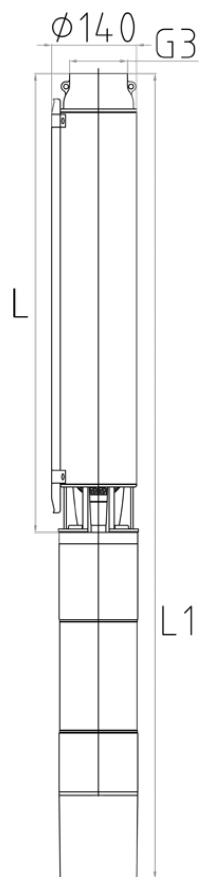
Ø 140 mm | 3 "G

Type	HP	kW	A 1~230	A 3~400	m3/h	0	18	19,5	21	22,5	24	27	30	33	36	39	42	45	48	51	54	57	60	66
					l/min	0	300	325	350	375	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100
					l/sec	0	5,00	5,42	5,83	6,25	6,67	7,50	8,33	9,17	10,0	10,8	11,7	12,5	13,3	14,2	15,0	15,8	16,7	18,3
6HDP-24 03	4	3	19,7	7,5		46	35	34	32	31	29	25	21	16	10	4								
6HDP-24 04	5,5	4	25,1	9,8		61	47	45	43	41	39	33	27	21	13	5								
6HDP-24 06	7,5	5,5	-	13		92	70	68	65	61	58	50	41	31	20	8								
6HDP-24 08	10	7,5	-	18		122	94	90	86	82	77	67	55	42	27	11								
6HDP-24 10	12,5	9,3	-	22		153	117	113	108	102	97	84	69	52	34	14								
6HDP-24 12	15	11	-	26		184	141	135	129	123	116	100	82	63	40	16								
6HDP-24 14	17,5	13	-	29		214	164	158	151	143	135	117	96	73	47	19								
6HDP-24 16	20	15	-	34		245	187	180	172	164	154	134	110	83	54	22								
6HDP-24 20	25	18,5	-	41		306	234	225	215	205	193	167	137	104	67	27								
6HDP-24 24	30	22	-	49		367	281	270	258	246	232	200	164	125	81	32								
6HDP-24 28SD	35	26	-	57		428	328	315	301	287	270	234	192	146	94	38								
6HDP-24 32SD	40	30	-	67		490	375	360	344	328	309	267	219	167	108	43								
6HDP-24 40SD	50	37	-	74		612	468	450	430	410	386	334	274	208	134	54								
6HDP-24 46SD	60	45	-	95		704	539	518	495	471	444	384	315	240	155	62								
6HDP-30 02	4	3	19,7	7,5		31			27	26	26	25	23	21	19	16	13	10	7	3				
6HDP-30 03	5,5	4	25,1	9,8		47			40	40	39	37	35	32	28	24	20	15	10	4				
6HDP-30 04	7,5	5,5	-	13		62			54	53	52	49	46	42	38	32	26	20	13	6				
6HDP-30 05	10	7,5	-	18		78			67	66	65	62	58	53	47	40	33	25	17	7				
6HDP-30 06	12,5	9,3	-	22		93			81	79	78	74	70	64	57	48	39	30	20	8				
6HDP-30 08	15	11	-	26		124			108	106	104	99	93	85	76	65	53	40	26	11				
6HDP-30 09	17,5	13	-	29		140			121	119	117	111	104	96	85	73	59	45	30	13				
6HDP-30 10	20	15	-	34		155			135	132	130	124	116	106	95	81	66	50	33	14				
6HDP-30 13	25	18,5	-	41		202			175	172	169	161	151	138	123	105	86	64	43	18				
6HDP-30 16	30	22	-	49		248			216	212	208	198	186	170	151	129	105	79	53	22				
6HDP-30 19	35	26	-	57		295			256	251	246	235	220	202	180	154	125	94	63	27				
6HDP-30 22	40	30	-	67		341			296	291	285	272	255	234	208	178	145	109	73	31				
6HDP-30 27SD	50	37	-	74		419			364	357	350	334	313	287	255	218	178	134	89	38				
6HDP-30 32SD	60	45	-	95		496			431	423	415	396	371	340	302	259	211	158	106	45				
6HDP-36 02-R	3	2,2	14,5	5,6		22			18	17	16	15	13	12	11	9	8	7	5	3				
6HDP-36 02	4	3	19,7	7,5		25			22	21	20	19	17	16	15	13	12	10	9	7	4			
6HDP-36 03	5,5	4	25,1	9,8		38			33	32	30	28	26	24	22	20	18	15	13	10	6			
6HDP-36 04	7,5	5,5	-	13		51			44	42	40	37	34	32	29	26	24	21	17	13	8			
6HDP-36 05	10	7,5	-	18		64			55	53	50	47	43	40	36	33	30	26	22	17	11			
6HDP-42 04	10	7,5	-	18		52				47	45	42	39	36	33	31	28	26	24	21	18	14	4	
6HDP-42 06	12,5	9,3	-	22		77				70	68	63	58	54	50	46	43	39	36	32	27	21	6	
6HDP-42 07	15	11	-	26		90				82	79	74	68	63	58	54	50	46	42	37	32	25	7	
6HDP-42 08	17,5	13	-	29		103				93	90	84	78	72	66	61	57	53	48	43	36	28	8	
6HDP-42 09	20	15	-	34		116				105	101	95	88	81	75	69	64	59	54	48	41	32	9	
6HDP-42 12	25	18,5	-	41		155				140	135	126	117	107	99	92	85	79	72	64	54	42	12	
6HDP-42 14	30	22	-	49		181				163	158	147	136	125	116	108	100	92	84	74	63	49	14	
6HDP-42 17	35	26	-	57		219				198	191	179	165	152	141	131	121	112	102	90	77	60	17	
6HDP-42 19	40	30	-	67		245				221	214	200	185	170	157	146	135	125	114	101	86	67	19	
6HDP-42 24S	50	37	-	74		310				280	270	252	234	215	199	184	171	158	144	128	108	84	24	
6HDP-42 28SD	60	45	-	95		361				326	315	294	272	251	232	215	199	184	168	149	126	98	28	

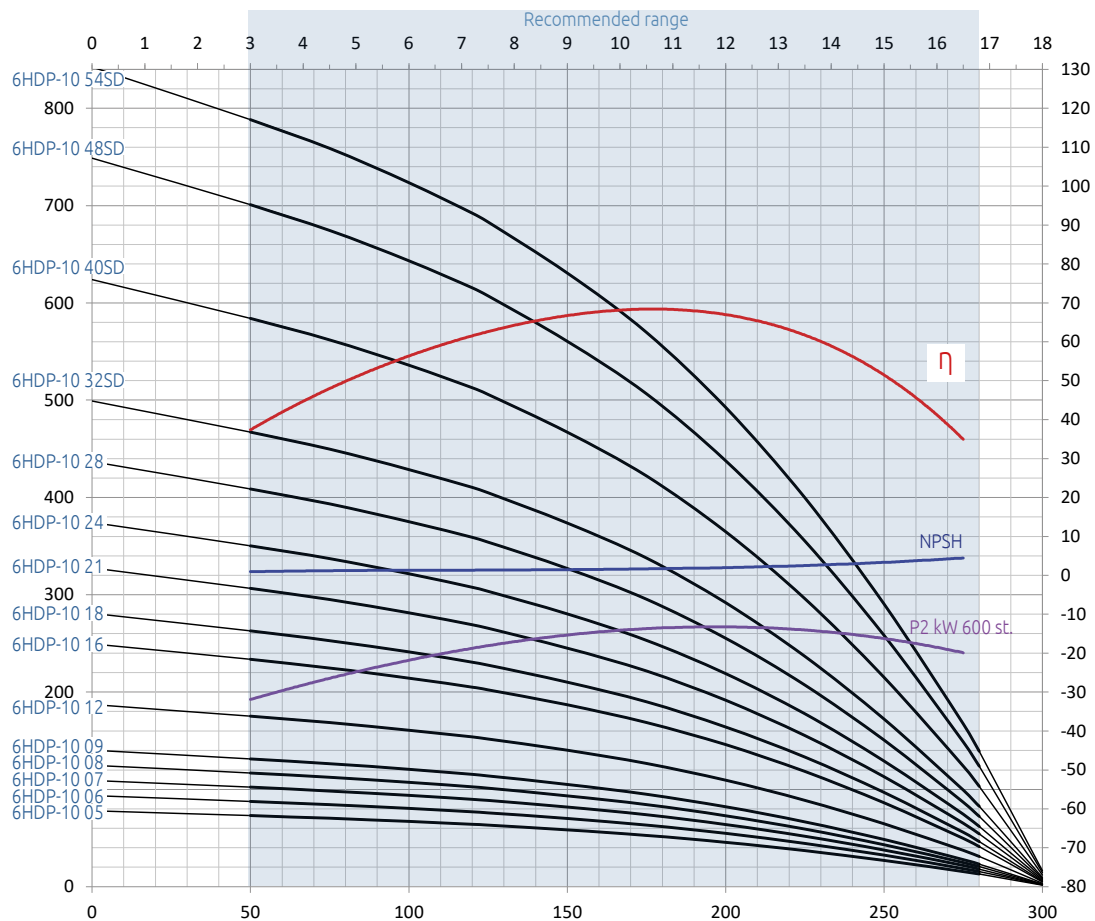
6HDP-10

6" Submersible pumps

6" Pompe sommerse



OPERATING CURVES - 50 HZ



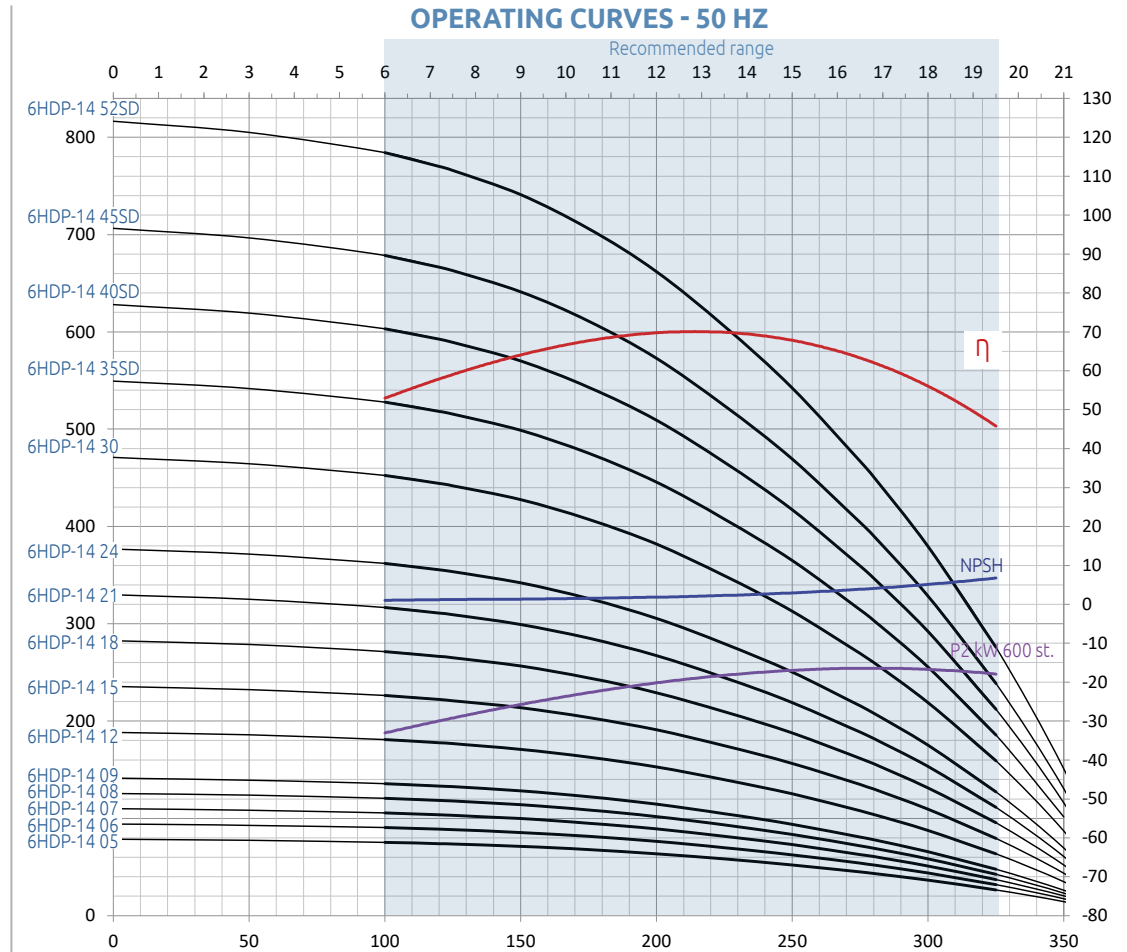
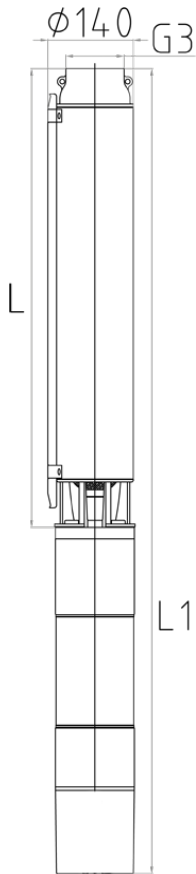
ELECTRICAL DATA

Type	ST	L [mm]	Weight [Kg]	Hp	P ₂ kW	N	M
6HDP-10 05	5	478	9,8	3	2,2	1.410	4"
6HDP-10 06	6	516	10,4	4	3	1.690	4"
6HDP-10 07	7	554	11,1	5	3,7	1.970	4"
6HDP-10 08	8	592	11,8	5	3,7	2.250	4"
6HDP-10 09	9	630	12,4	5,5	4	2.530	4"
6HDP-10 12	12	744	14,4	7,5	5,5	3.370	4"
6HDP-10 16	16	895	16,9	10	7,5	4.500	6"
6HDP-10 18	18	972	18,3	12,5	9,2	5.060	6"
6HDP-10 21	21	1.086	22,2	12,5	9,2	5.900	6"
6HDP-10 24	24	1.200	24,2	15	11	6.740	6"
6HDP-10 28	28	1.404	27,7	17,5	13	7.870	6"
6HDP-10 32SD	32	1.693	41,0	20	15	8.990	6"
6HDP-10 40SD	40	1.997	47,5	25	18,5	11.240	6"
6HDP-10 48SD	48	2.301	54,1	30	22	13.480	6"
6HDP-10 54SD	54	2.529	59,0	35	26	15.170	6"

ST = stages | P₂ = motor nominal power

6HDP-14

6" Submersible pumps
6" Pompe sommerse



ELECTRICAL DATA

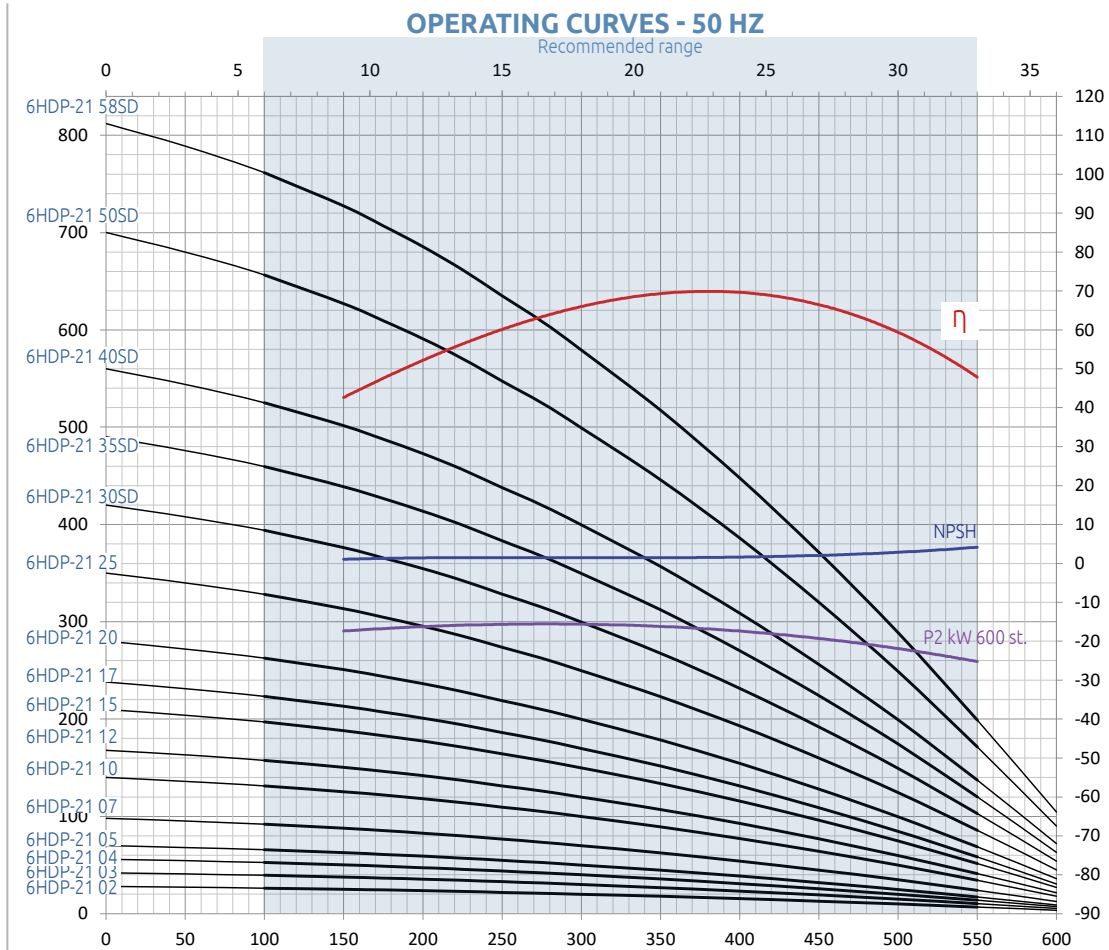
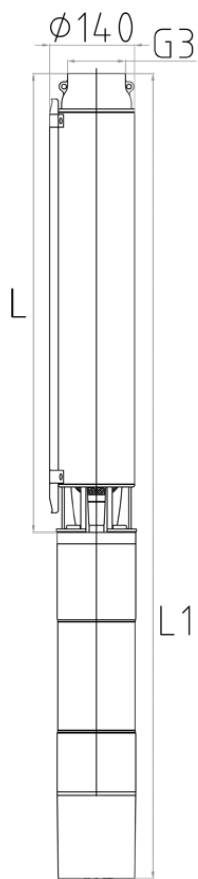
Type	ST	L [mm]	Weight [Kg]	Hp	P_2 kw	N	M
6HDP-14 05	5	478	9,8	4	3	1.420	4"
6HDP-14 06	6	516	10,5	5,5	4	1.700	4"
6HDP-14 07	7	554	11,1	7,5	5,5	1.980	4"
6HDP-14 08	8	592	11,8	7,5	5,5	2.270	4"
6HDP-14 09	9	630	12,4	7,5	5,5	2.550	4"
6HDP-14 12	12	744	14,3	10	7,5	3.400	6"
6HDP-14 15	15	858	16,3	12,5	9,2	4.240	6"
6HDP-14 18	18	972	18,2	15	11	5.090	6"
6HDP-14 21	21	1.086	22,2	17,5	13	5.940	6"
6HDP-14 24	24	1.200	24,1	20	15	6.790	6"
6HDP-14 30	30	1.480	28,9	25	18,5	8.480	6"
6HDP-14 35SD	35	1.807	43,1	30	22	9.900	6"
6HDP-14 40SD	40	1.997	47,2	35	26	11.310	6"
6HDP-14 45SD	45	2.187	51,3	40	30	12.720	6"
6HDP-14 52SD	52	2.453	57,0	50	37	14.700	6"

ST = stages | P_2 = motor nominal power

6HDP-21

6" Submersible pumps

6" Pompe sommerse



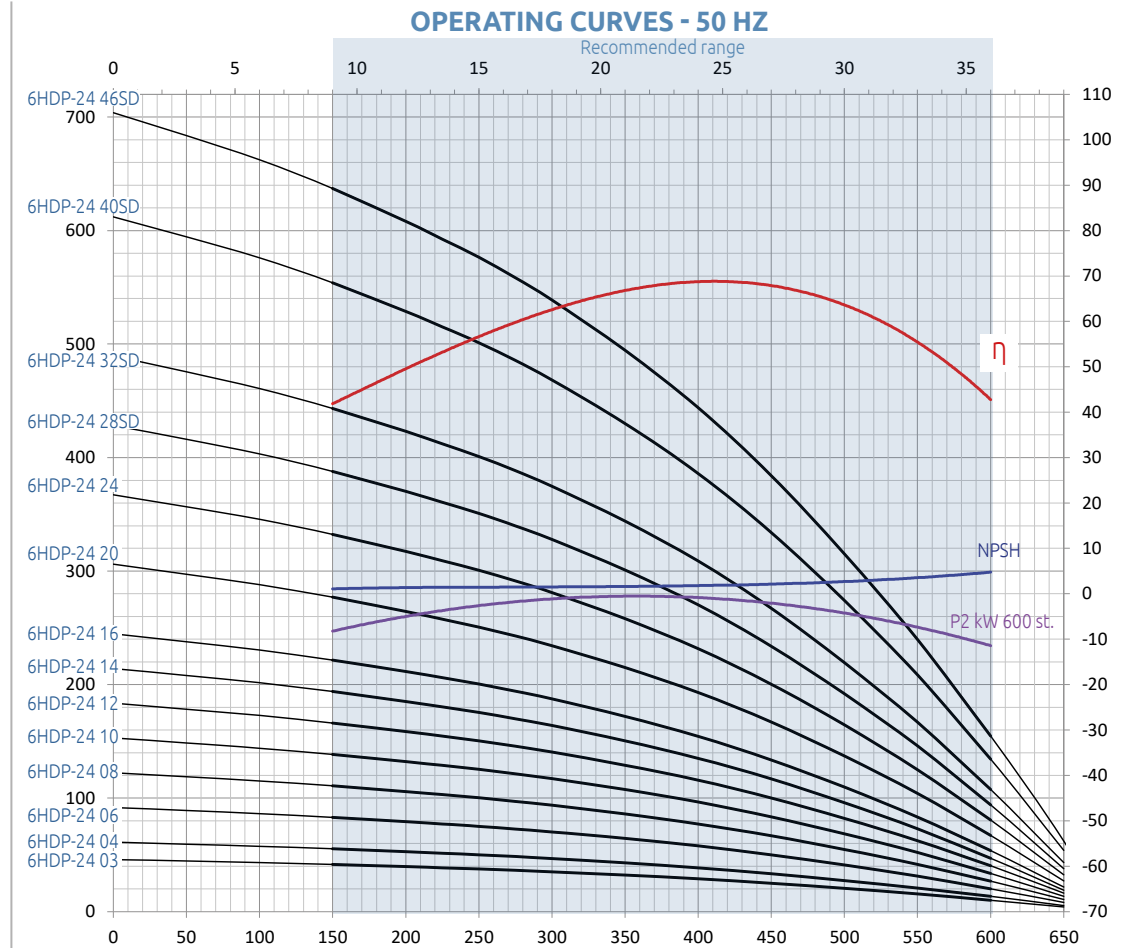
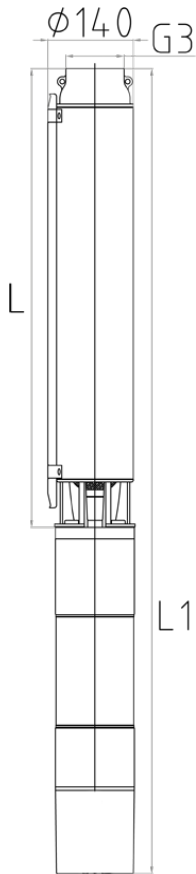
ELECTRICAL DATA

Type	ST	L [mm]	Weight [Kg]	P ₂		N	M
				Hp	kW		
6HDP-21 02	2	401	7,4	2	1,5	790	4"
6HDP-21 03	3	458	8,3	3	2,2	1.180	4"
6HDP-21 04	4	515	9,2	4	3	1.570	4"
6HDP-21 05	5	572	10,0	5	3,7	1.960	4"
6HDP-21 07	7	686	11,8	7,5	5,5	2.750	4"
6HDP-21 10	10	857	14,3	10	7,5	3.920	6"
6HDP-21 12	12	971	16,1	12,5	9,2	4.700	6"
6HDP-21 15	15	1.142	18,7	15	11	5.880	6"
6HDP-21 17	17	1.308	21,2	17,5	13	6.660	6"
6HDP-21 20	20	1.494	25,9	20	15	7.840	6"
6HDP-21 25	25	1.778	30,3	25	18,5	9.800	6"
6HDP-21 30SD	30	2.187	49,1	30	22	11.760	6"
6HDP-21 35SD	35	2.472	54,7	35	26	13.720	6"
6HDP-21 40SD	40	2.861	62,5	40	30	15.680	6"
6HDP-21 50SD	50	3.431	73,7	50	37	19.600	6"
6HDP-21 58SD	58	3.773	80,4	60	45	22.740	6"

ST = stages | P₂ = motor nominal power

6HDP-24

6" Submersible pumps
6" Pompe sommerse



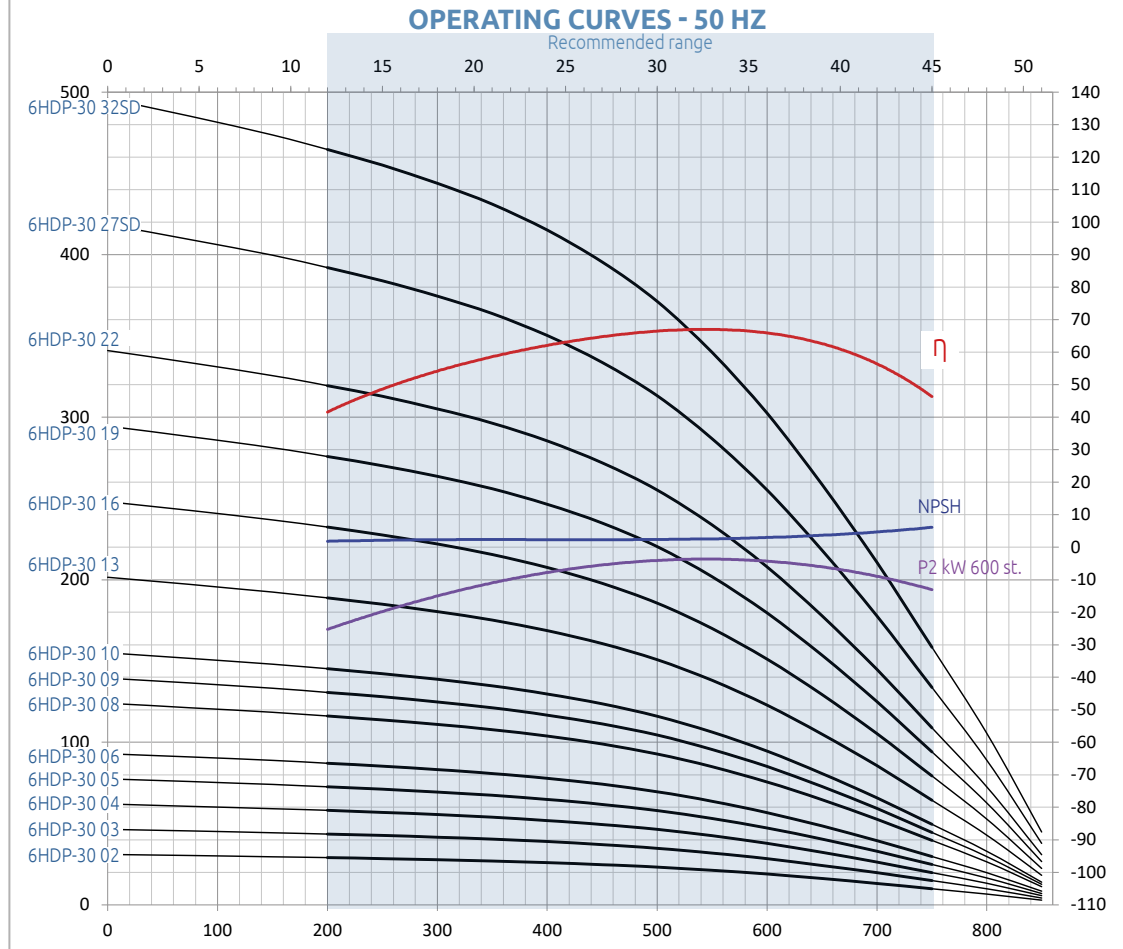
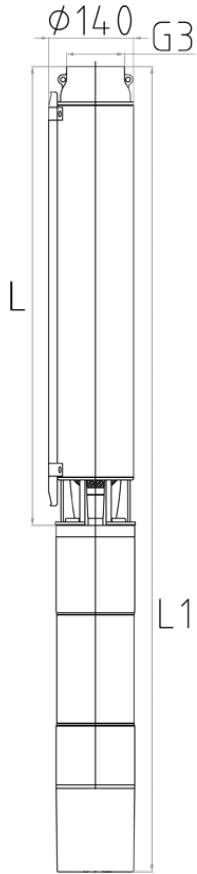
ELECTRICAL DATA

Type	ST	L [mm]	Weight [Kg]	Hp	P ₂ kw	N	M
6HDP-24 03	3	459	9,8	4	3	1.290	4"
6HDP-24 04	4	516	10,8	5,5	4	1.720	4"
6HDP-24 06	6	630	12,9	7,5	5,5	2.570	4"
6HDP-24 08	8	744	14,9	10	7,5	3.430	6"
6HDP-24 10	10	858	17,1	12,5	9,2	4.290	6"
6HDP-24 12	12	972	19,2	15	11	5.150	6"
6HDP-24 14	14	1.086	21,4	17,5	13	6.000	6"
6HDP-24 16	16	1.200	23,4	20	15	6.860	6"
6HDP-24 20	20	1.480	27,7	25	18,5	8.570	6"
6HDP-24 24	24	1.707	31,5	30	22	10.290	6"
6HDP-24 28SD	28	2.073	46,9	35	26	12.000	6"
6HDP-24 32SD	32	2.301	51,2	40	30	13.710	6"
6HDP-24 40SD	40	2.757	59,8	50	37	17.140	6"
6HDP-24 46SD	46	3.099	66,3	60	45	19.710	6"

ST = stages | P₂ = motor nominal power

6HDP-30

6" Submersible pumps
6" Pompe sommerse



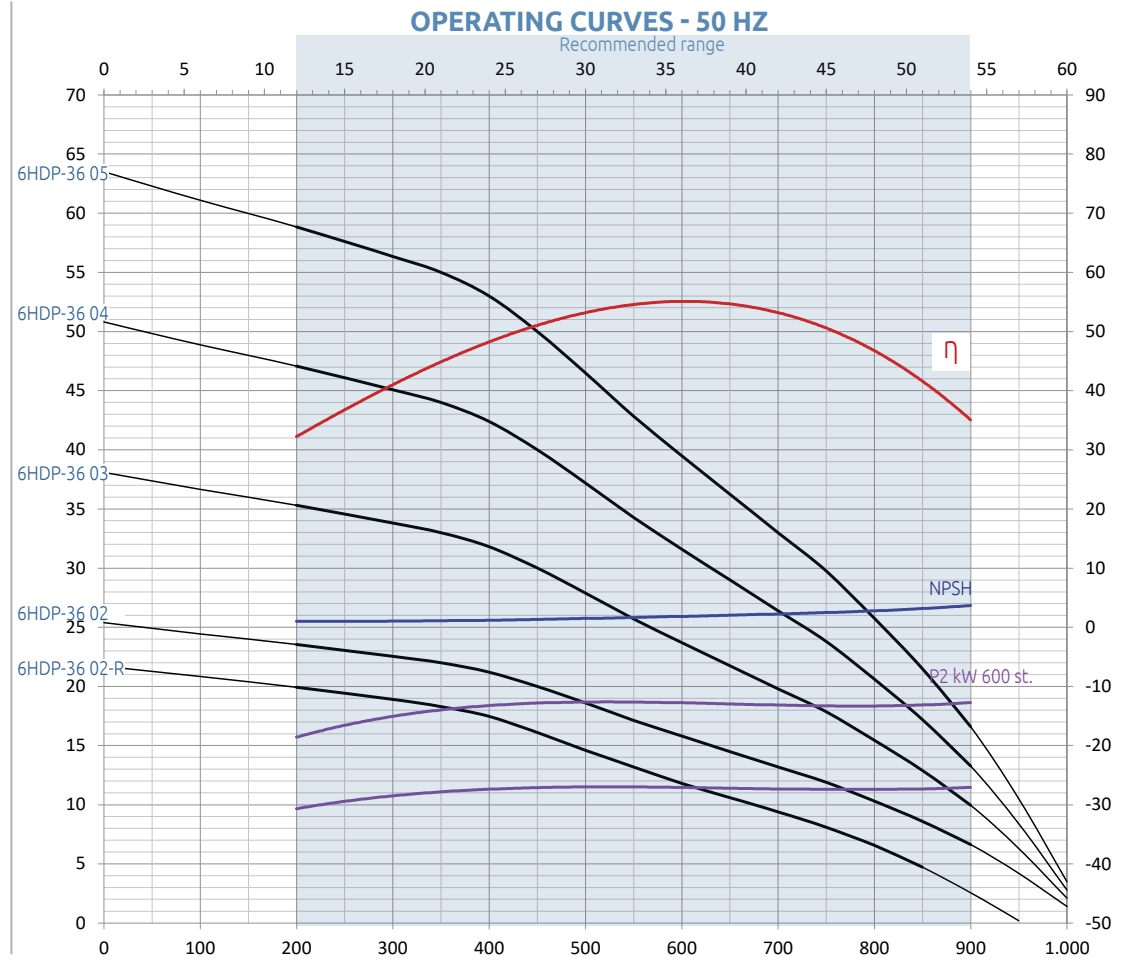
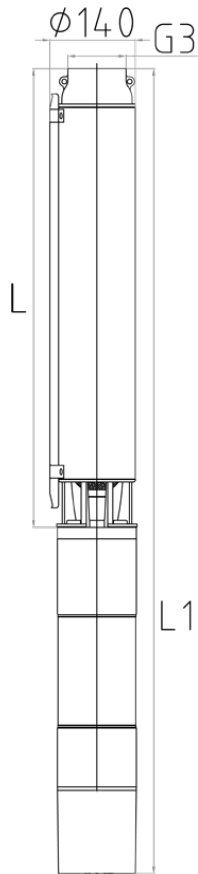
ELECTRICAL DATA

Type	ST	L [mm]	Weight [Kg]	Hp	P ₂ kW	N	M
6HDP-30 02	2	408	8,5	4	3	870	4"
6HDP-30 03	3	468	9,4	5,5	4	1.310	4"
6HDP-30 04	4	528	10,3	7,5	5,5	1.740	4"
6HDP-30 05	5	588	11,2	10	7,5	2.170	6"
6HDP-30 06	6	648	12,1	12,5	9,2	2.610	6"
6HDP-30 08	8	768	13,9	15	11	3.480	6"
6HDP-30 09	9	828	15,0	17,5	13	3.910	6"
6HDP-30 10	10	888	15,9	20	15	4.340	6"
6HDP-30 13	13	1.068	18,6	25	18,5	5.650	6"
6HDP-30 16	16	1.248	21,5	30	22	6.950	6"
6HDP-30 19	19	1.480	27,6	35	26	8.250	6"
6HDP-30 22	22	1.660	30,6	40	30	9.550	6"
6HDP-30 27SD	27	1.959	41,2	50	37	11.720	6"
6HDP-30 32SD	32	2.397	53,1	60	45	13.890	6"

ST = stages | P₂ = motor nominal power | P₁ = motor total power absorption

6HDP-36

6" Submersible pumps
6" Pompe sommerse



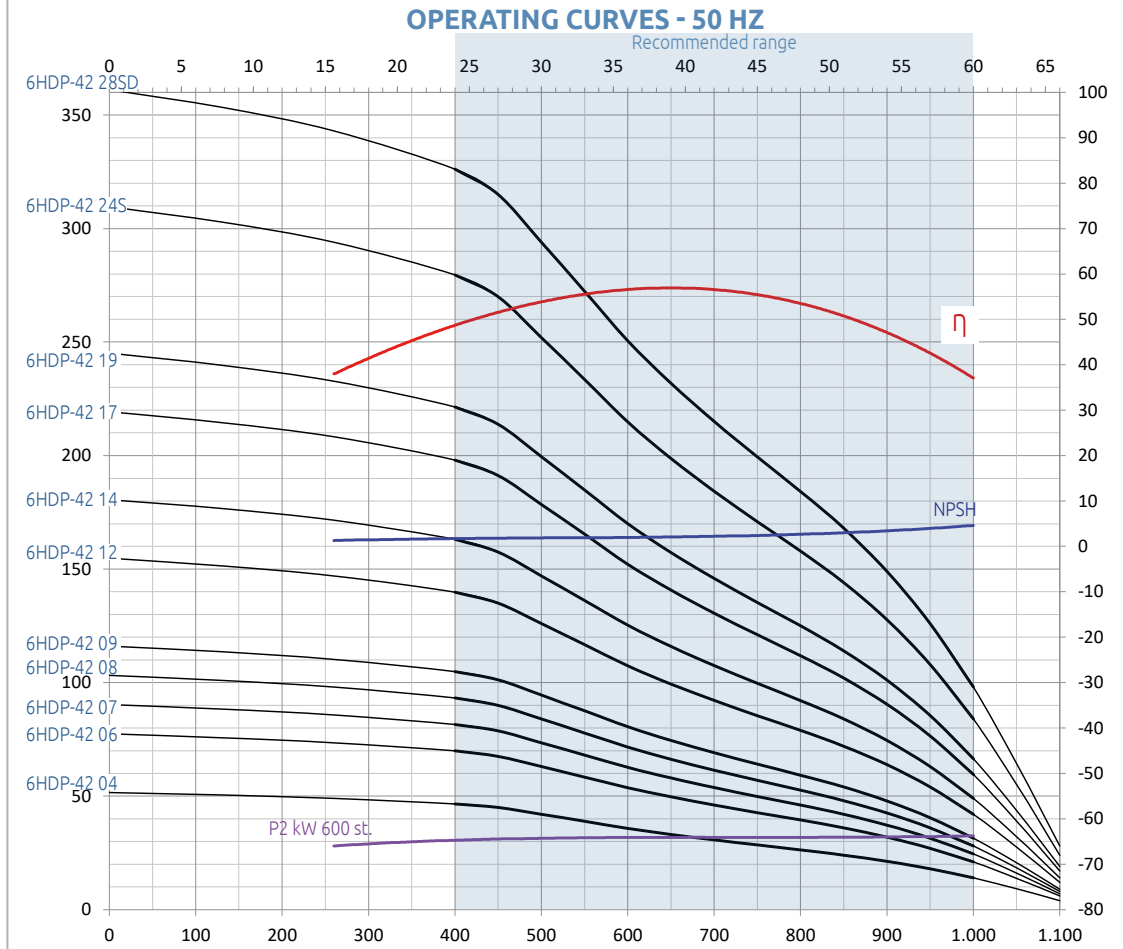
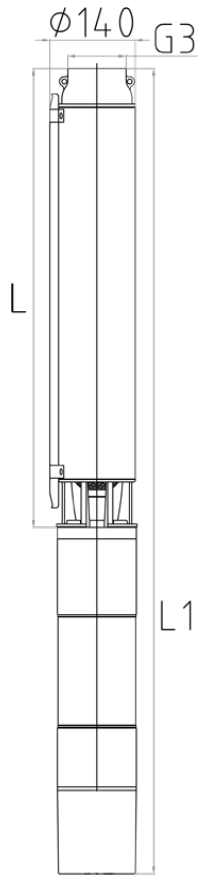
ELECTRICAL DATA

Type	ST	L [mm]	Weight [Kg]	Hp	P ₂ kW	N	M
6HDP-36 02-R	2-R	408	8,5	3	2,2	740	4"
6HDP-36 02	2	408	8,5	4	3	870	4"
6HDP-36 03	3	468	9,4	5,5	4	1.300	4"
6HDP-36 04	4	528	10,2	7,5	5,5	1.730	4"
6HDP-36 05	5	588	11,2	10	7,5	2.160	6"

ST = stages | P₂ = motor nominal power

6HDP-42

6" Submersible pumps
6" Pompe sommerse



ELECTRICAL DATA

Type	ST	L [mm]	Weight [Kg]	Hp	P_2		N	M
					kw			
6HDP-42 04	4	528	10,2	10	7,5		1.760	6"
6HDP-42 06	6	648	12,0	12,5	9,2		2.640	6"
6HDP-42 07	7	708	12,9	15	11		3.070	6"
6HDP-42 08	8	768	13,8	17,5	13		3.510	6"
6HDP-42 09	9	828	14,8	20	15		3.950	6"
6HDP-42 12	12	1.008	15,7	25	18,5		5.270	6"
6HDP-42 14	14	1.128	17,8	30	22		6.140	6"
6HDP-42 17	17	1.308	21,9	35	26		7.460	6"
6HDP-42 19	19	1.480	26,8	40	30		8.340	6"
6HDP-42 24S	24	1.779	37,1	50	37		10.530	6"
6HDP-42 28SD	28	1.959	41,7	60	45		12.290	6"

ST = stages | P_2 = motor nominal power

To be assembled with:
Da assemblare con:



4HDO

4" Rewindable oil filled submersible motors
Motori sommersi 4" in bagno d'olio riavvolgibili



6HDO

6" Rewindable oil filled submersible motors
Motori sommersi 6" in bagno d'olio riavvolgibili



6HDW

6" Water cooled submersible motors canned type
Motori sommersi 6" in bagno d'acqua con statore resinato



BELT+

Electronic protection system
Sistema elettronico di protezione