



Submersible Pump AL 6"-8" KPS Series



TECHNOLOGY GIVING LIFE TO WATER





Alarko submersible pumps are

**UNIQUE INDIVIDUAL
and UNINTERRUPTED
WATER SOURCE**

in potable water status by

- Everytime being ready to use,
- With no trouble
- And with short reimbursement term.



Alarko submersible pumps are

MULTIFUNCTIONAL

because of usable for
from detached houses
to skyscrapers and
because of obtained
advantage using it as a
water stocking
hydrophore.



Alarko submersible pumps are

**PROPER
INVESTMENT**

in providing using water
and process water in
industrial facilities and
administrations because of

- High efficiency
- And long life period.

ALARKO, ALWAYS NUMBER ONE IN SUBMERSIBLE PUMPS





Alarko submersible pumps are

RELIABLE FRIENDS

of garden lovers and farmers on horticulture, agriculture and from little house garden to agricultural land as thousands acres.



Alarko submersible pump is a

UNIQUE RELIABLE WATER

SOURCE for touristic facilities, which especially need more water in tourism term.



Alarko submersible pumps are

PREEMINENT

because of

- High technology
- Economy
- Continual and quality service
- Quick procurement of spare part.



ADVANTAGES

- It does not have to be protected from open air conditions because motor works in the well water.
- No limitation for the depth of immersion. It can be come down to deep as total head.
- Any special tube or tool is not required.
- There is not fan adjustment problem.
- Shaft cutting or oil lack is not experienced.
- Mounting is easily and there is not any axle alignment problem.
- It is silent.
- It is not effected well inclines as pump with perpendicular shaft.
- Capability of using drill pipe of 6 5/8" instead of 8" for 70 m³/h flowrate of up to 50 Hp motor power, 8 5/8" drill pipe instead of 10 3/4" for 118 m³/h flowrate.

DESIGN

All Alarko 6" and 8" KPS pumps are made entirely of stainless steel AISI 304 (DIN W.-Nr.1.4301). For particularly aggressive liquids pumps are available in extra high grade stainless steel AISI 316 (DIN W.-Nr.1.4401). For handling slightly contaminated water such as oil containing water we can offer all rubber parts made of Viten® as an option.

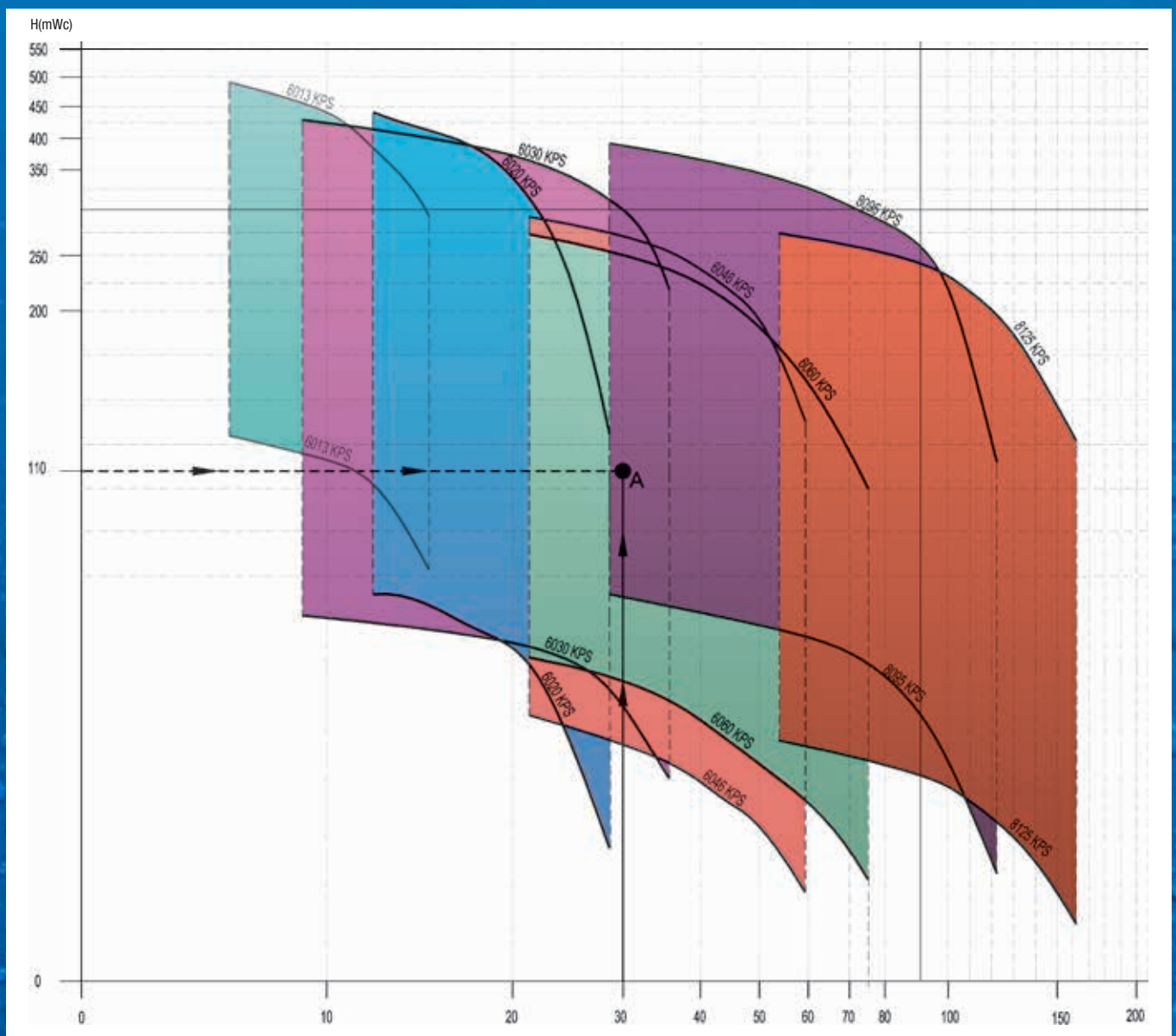
The octagonal rubber bearing and build in sand protection shields are designed to ensure that sand is removed from the pump and meter by the water that is being pumped.

APPLICATION DATAS

- Three-phase squirrel cage asynchronous water lubricated motors with powers between 10-180 HP.
- Special isolated stator which uses coil wire suitable to work under water.
- Horizontal bearing assembly that carries axial load and water lubricated radial bearing.
- Flat motor exit cable, cut in standard length, designed specially for working under water.
- Should give direct way up until 20 HP, and star-delta between 25-180 HP.
- Optional design in AL 6-8 motors suitable for Operation with different frequency and voltage values with soft starter.
- Automatic pump activation-deactivation control according to the well water level through water level relay.
- Protecting the motor against two-phase operation instabilities with phase control relay.
- Protection of the pump from short circuit through fuses.

APPLICATION LIMITS

- Five series of 6", 8" as per pump's nominal diameter.
- Total 7 models and 55 types between 10 and 180 HP



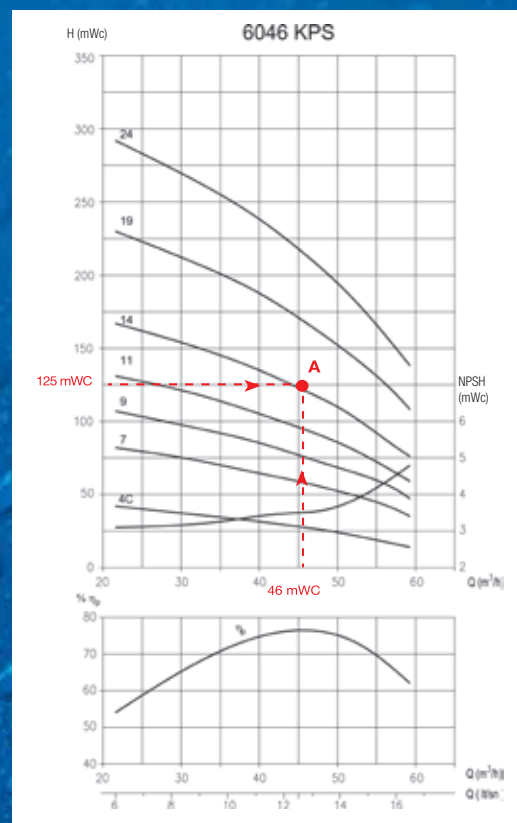


SELECTING PUMP

It is determined that requested intersection point (A) of flow and manometer height is remained in which pump's area from "General Selection Abac". In order to select pump, its "Independent Characteristic Curve" is checked Level number on the upper nearest curve to intersection point of flow and manometer head. According to determined pump type and level, motor type and power are defined from "Electrical Specifications, Dimensions and Weight Table". Pump according to "Order Notation" is demanded from Alarko Carrier vendor with determining electrical switchboard demand and electrical cable length.

SELECTION SAMPLE

Let the well diameter be 8 5/8", the flow-rate (Q) be 46 m³/hour and manometric height (H) be 125 mWc. The points of the 46 m³/hour on the horizontal axis and 125 mWc on the vertical axis are intersected on the "General Selection Chart". The intersection point (A) stays in the region of 6046 KPS type of pump. This leads us to 6046 type pump "Independent Characteristic Curve". The intersection point of the values of 46 m³/hour and 125 mWc is on 15th stage curve. The pump stage is selected as 15. The efficiency of the pump is 74%. The pump type is specified as AL 6-30 using "Electrical Specification, Dimensions and Weights Table". The order notation is specified as 6046/15 KPS+AL 6-30.



MAIN PARTS

1- Valve Casing: The upper part of the pump. The pump outlet is connected to this part. Extra safety during installation thanks to specific type of ring and extended switch platform originated from material made up of precision cast 304 rustproof steel.

2-Check Valve: Prevents the water in pillar tube from reverse-flowing, which will cause the motor to overturn. Water-hammer reduces any risk of shock.

3-Upper Bearing: Coated with durable chrome material. It reduces abrasion in case the well is surrounded by harsh sand.

4-Labyrinth Rings: Contributes to the efficiency and robustness of high pumps. It has the self-aligning function. It is made up of Teflon.

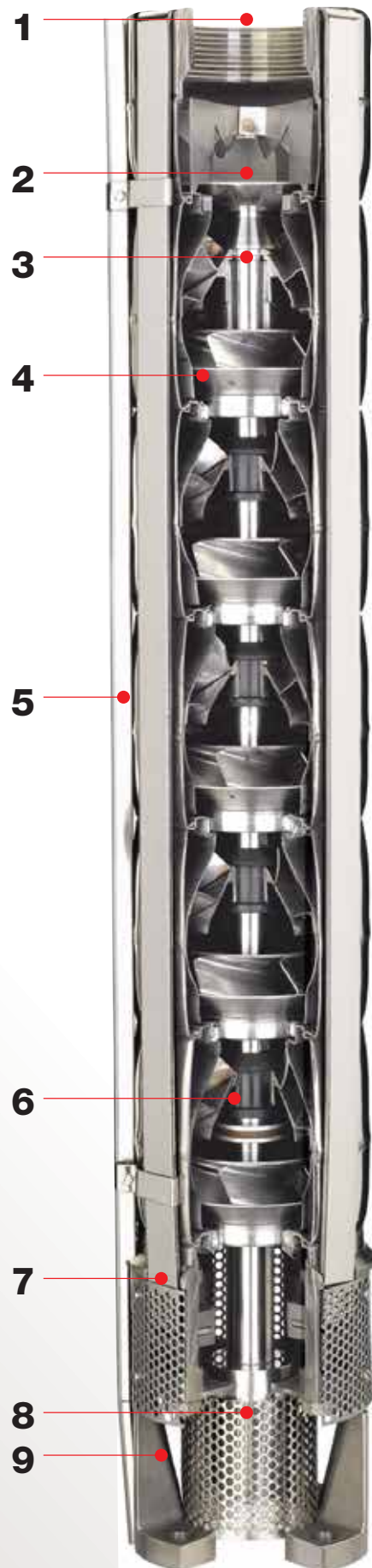
5-Cable Housing: Made up of peculiarly thinned rustproof steel. It facilitates installation in the wells with less tolerance.

6-In-Pump "Upthrust" Protection: Prevents the pump from getting damaged in case of requirement of much water and in initial launches. It maintains high durability against failures in cases of open valve and frequent stop/launch.

7-Suction Filter: Ensures that the pump is not damaged in case of requirement of much water and in initial launches by preventing the abrasive parts from entering into the pump. It is made up of 304 rustproof steel.

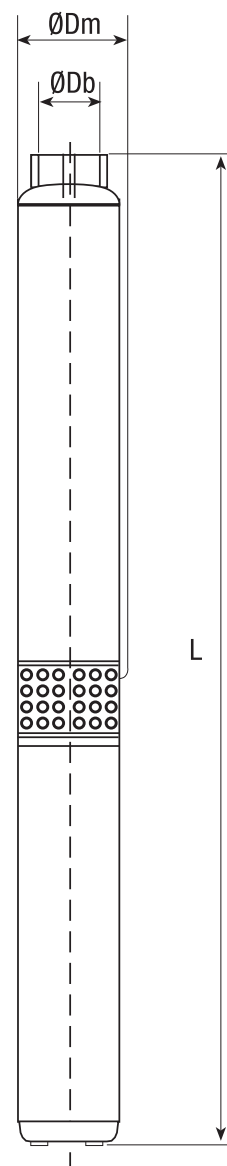
8-Coupling Protective Filter: Prevents the abrasive components from damaging coupling and motor shaft. It is made up of 304 rustproof steel.

9-Suction Case: Ensures that the pump and the motor are interconnected. It ensures excellent pump-motor connection through any type of plunger motor with NEMA standard. The water enters into the pump through the suction opening. It has a suction strainer on the upper side of it, which blocks the chunks.

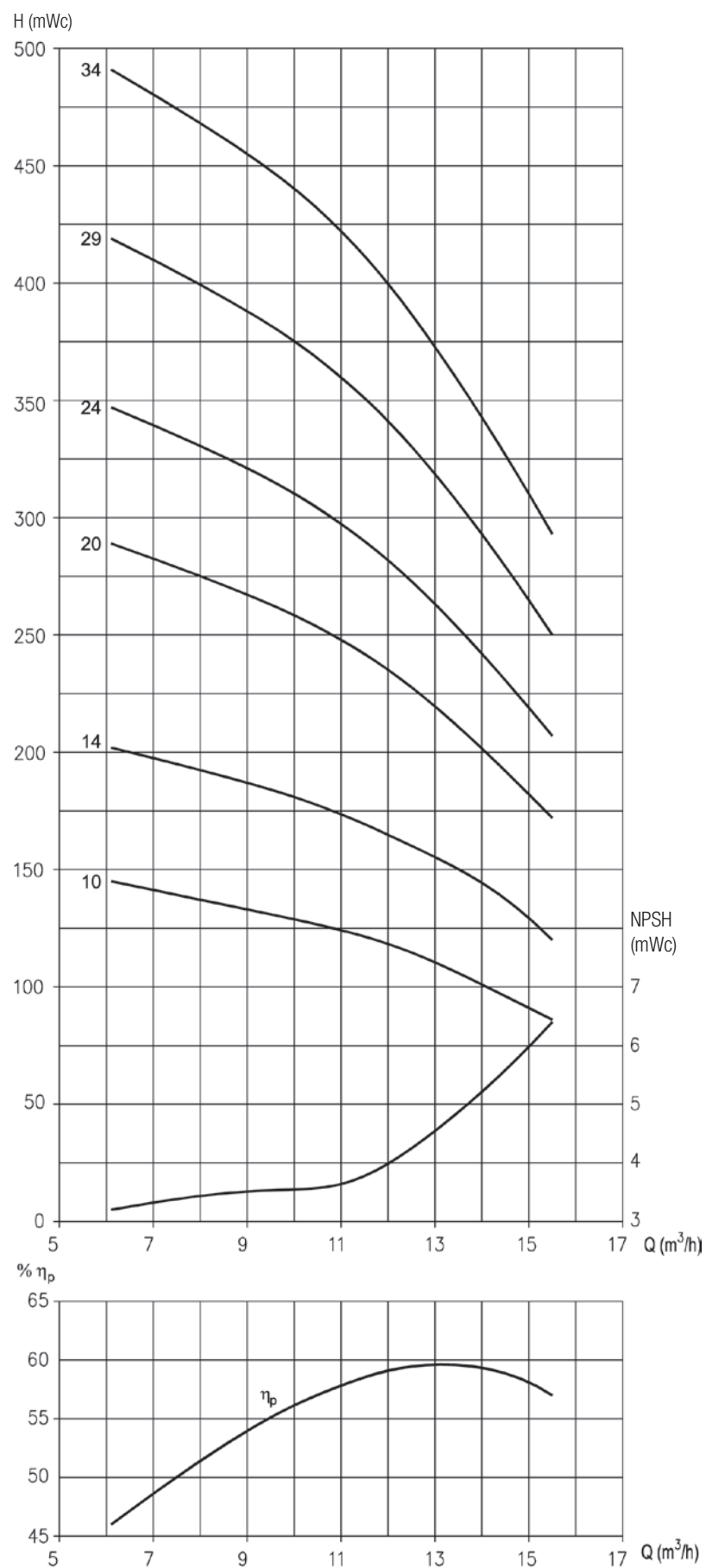


ELECTRICAL SPECIFICATIONS, DIMENSIONS AND WEIGHTS

TYPE Pump + Motor		MOTOR POWER		MOTOR CURRENT (A)	PUMP OUTLET DIAMETER ØDdelivery	PUMP+MOTOR LENGTH L (mm)	PUMP BODY OUTER DIAMETER ØDmotopump (mm)	WEIGHT (Kg)
		(BG)	(kW)					
6013 KPS /10	+ AL6" ECO-10	10	7,5	17,8	BSP G2 1/2	1455	148	9
6013 KPS /14	+ AL6" ECO-15	15	11	26,4		1700		83
6013 KPS /20	+ AL6" ECO-20	20	15	34,6		2100		107
6013 KPS /24	+ AL6" ECO-25	25	18,5	42,7		2345	149	125
6013 KPS /29	+ AL6" ECO-30	30	22	54,7		2635		140
6013 KPS /34	+ AL6" ECO-40	40	30	67		2995		163
6020KPS /7	+ AL6" ECO-7,5	7,5	5,5	13,2	BSP G2 1/2	1354	143	63
6020 KPS /10	+ AL6" ECO-10	10	7,5	17,8		1459		60
6020 KPS /15	+ AL6" ECO-15	15	11	26,4		1844		80
6020 KPS /20	+ AL6" ECO-20	20	15	34,6		2249		100
6020 KPS /25	+ AL6" ECO-25	25	18,5	42,7		2589		117
6020 KPS /30	+ AL6" ECO-30	30	22	54,7		2929		130
6020 KPS /40	+ AL6" ECO-40	40	30	67		3614		158
6020 KPS /44	+ AL6" ECO-50	50	37	78,2		3952		175
6030 KPS / 8	+ AL6" ECO-10	10	7,5	17,8	BSP G3	1718	144	66
6030 KPS / 12	+ AL6" ECO-15	15	11	26,4		2167		78
6030 KPS / 16	+ AL6" ECO-20	20	15	34,6		2681		97
6030 KPS / 19	+ AL6" ECO-25	25	18,5	42,7		3034		111
6030 KPS / 23	+ AL6" ECO-30	30	22	54,7		3483		124
6030 KPS / 32	+ AL6" ECO-40	40	30	67		4482		152
6030 KPS / 39	+ AL6" ECO-50	50	37	78,2		5272		202
6046 KPS / 4C	+ AL6" ECO-10	10	7,5	17,8	BSP G3	1384	148	62
6046 KPS / 7	+ AL6" ECO-15	15	11	26,4		1804		76
6046 KPS / 9	+ AL6" ECO-20	20	15	34,6		2160		94
6046 KPS / 11	+ AL6" ECO-25	25	18,5	42,7		2451	150	109
6046 KPS / 14	+ AL6" ECO-30	30	22	54,7		2855		123
6046 KPS / 19	+ AL6" ECO-40	40	30	67		3555		148
6046 KPS / 24	+ AL6" ECO-50	50	37	78,2		4238		175
6060 KPS / 4	+ AL6" ECO-10	10	7,5	17,8	BSP G4	1400	148	61
6060 KPS / 6	+ AL6" ECO-15	15	11	26,4		1691		73
6060 KPS / 8	+ AL6" ECO-20	20	15	34,6		2047		90
6060 KPS / 10	+ AL6" ECO-25	25	18,5	42,7		2338	150	105
6060 KPS / 12	+ AL6" ECO-30	30	22	54,7		2629		116
6060 KPS / 17	+ AL6" ECO-40	40	30	67		3329		141
6060 KPS / 21	+ AL6" ECO-50	50	37	78,2		3979		165
8095 KPS / 4-B	+ AL6" ECO-20	20	15	34,6	BSP G5	1879	188	100
8095 KPS / 4	+ AL6" ECO-25	25	18,5	42,7		1944	189	110
8095 KPS / 5	+ AL6" ECO-30	30	22	54,7		2137		119
8095 KPS / 7	+ AL6" ECO-40	40	30	67		2528		139
8095 KPS / 9	+ AL6" ECO-50	50	37	78,2		2901	193	158
8095 KPS / 10	+ AL8" ECO-60	60	45	93		2848		196
8095 KPS / 13	+ AL8" ECO-75	75	55	113		3335		226
8095 KPS / 16	+ AL8" ECO-95	95	70	142		3860		265
8095 KPS / 18	+ AL8" ECO-110	110	80	161		4247		296
8095 KPS / 20	+ AL8" ECO-130	130	95	191		4623		328
8125 KPS / 2-AA	+ AL6" ECO-20	20	15	34,6		1683		95
8125 KPS / 2-A	+ AL6" ECO-25	25	18,5	42,7	BSP G6	1748	207	104
8125 KPS / 3-AA	+ AL6" ECO-30	30	22	54,7		1969	209	120
8125 KPS / 3	+ AL6" ECO-40	40	30	67		2104		133
8125 KPS / 4	+ AL6" ECO-50	50	37	78,2		2378		153
8125 KPS / 5-A	+ AL8" ECO-60	60	45	93		2360	220	195
8125 KPS / 6-A	+ AL8" ECO-75	75	55	113		2616		220
8125 KPS / 7	+ AL8" ECO-95	95	70	142		2912		256
8125 KPS / 8	+ AL8" ECO-110	110	80	161		3198		284
8125 KPS / 10	+ AL8" ECO-130	130	95	191		3630		318



6013 KPS

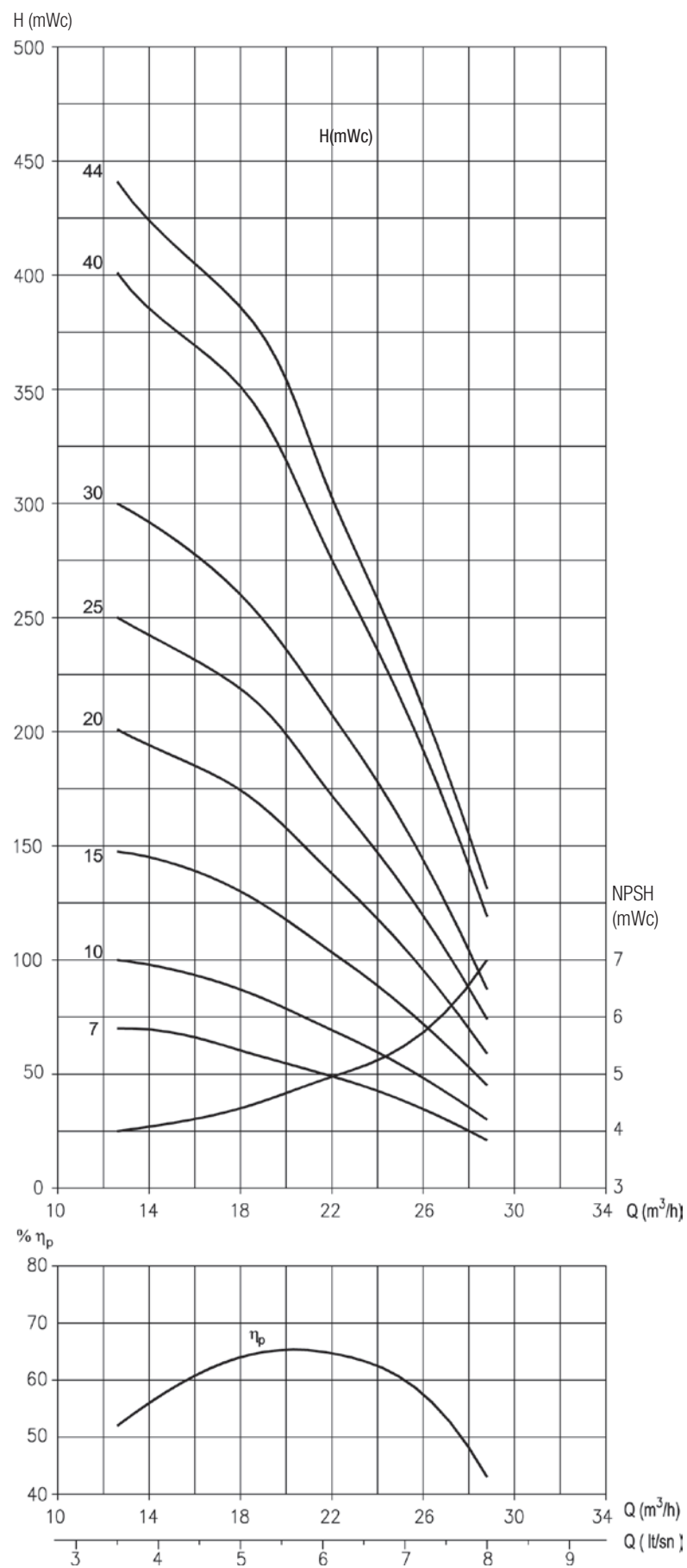




PUMP TYPE (Threephase) 380V/415V	MOTOR TYPE (ALK) KW HP		FLOW	(m³/h)	6,1	9,0	10,8	12,6	14,4	15,5
				(lt / sn)	1,7	2,5	3	3,5	4	4,3
6013 KPS/5	5,5	7,5	H (M)		73	67	63	58	48	43
6013 KPS/6	5,5	7,5			87	80	75	69	58	52
6013 KPS/7	7,5	10,0			102	93	88	80	68	60
6013 KPS/8	7,5	10,0			116	107	100	92	77	69
6013 KPS/9	7,5	10,0			130	120	113	103	87	77
6013 KPS/10	7,5	10,0			145	133	125	114	97	86
6013 KPS/11	9,3	12,5			159	147	138	125	107	95
6013 KPS/12	11	15,0			174	160	150	137	116	103
6013 KPS/13	11	15,0			188	174	163	148	126	112
6013 KPS/14	11	15,0			202	187	175	159	136	120
6013 KPS/15	15	20,0			217	200	188	170	146	129
6013 KPS/16	15	20,0			231	214	200	181	155	138
6013 KPS/17	15	20,0			246	227	213	193	165	147
6013 KPS/18	15	20,0			260	241	225	204	175	155
6013 KPS/19	15	20,0			275	254	238	215	184	165
6013 KPS/20	15	20,0			289	267	250	226	194	172
6013 KPS/21	18,5	25,0			304	281	263	238	204	181
6013 KPS/22	18,5	25,0			318	294	275	249	214	190
6013 KPS/23	18,5	25,0			332	307	288	260	223	198
6013 KPS/24	18,5	25,0			347	321	300	271	233	207
6013 KPS/25	22	30,0			362	334	313	283	243	215
6013 KPS/26	22	30,0			376	348	325	294	252	224
6013 KPS/27	22	30,0			390	361	338	305	262	233
6013 KPS/28	22	30,0			405	374	350	316	272	242
6013 KPS/29	22	30,0			419	388	363	328	282	250
6013 KPS/30	26,5	35,0			433	401	376	339	291	259
6013 KPS/31	26,5	35,0			448	414	388	350	301	267
6013 KPS/32	26,5	35,0			462	428	401	361	311	276
6013 KPS/33	26,5	35,0			477	441	413	373	321	285
6013 KPS/34	30	40,0			491	455	426	384	330	293
6013 KPS/35	30	40,0			505	468	438	395	340	302
6013 KPS/36	30	40,0			520	481	451	406	350	311
6013 KPS/37	30	40,0			534	495	463	418	359	319
6013 KPS/38	30	40,0			549	508	476	429	369	328
6013 KPS/39	30	40,2			563	521	488	440	379	337
6013 KPS/40	30	40,0			578	535	501	451	389	345
6013 KPS/41	30	40,0			592	548	513	463	398	354
6013 KPS/42	37	50,0			606	562	526	474	408	362
6013 KPS/43	37	50,0			621	575	538	485	418	371
6013 KPS/44	37	50,0			635	588	551	496	428	380
6013 KPS/45	37	50,0			650	602	563	508	437	388
6013 KPS/46	37	50,0			664	615	576	519	447	397
6013 KPS/47	37	50,0			679	628	588	530	457	406
6013 KPS/48	37	50,0			693	642	601	541	466	414
6013 KPS/49	37	50,0			707	655	613	553	476	423
6013 KPS/50	37	50,0			722	669	626	564	486	431



6020 KPS

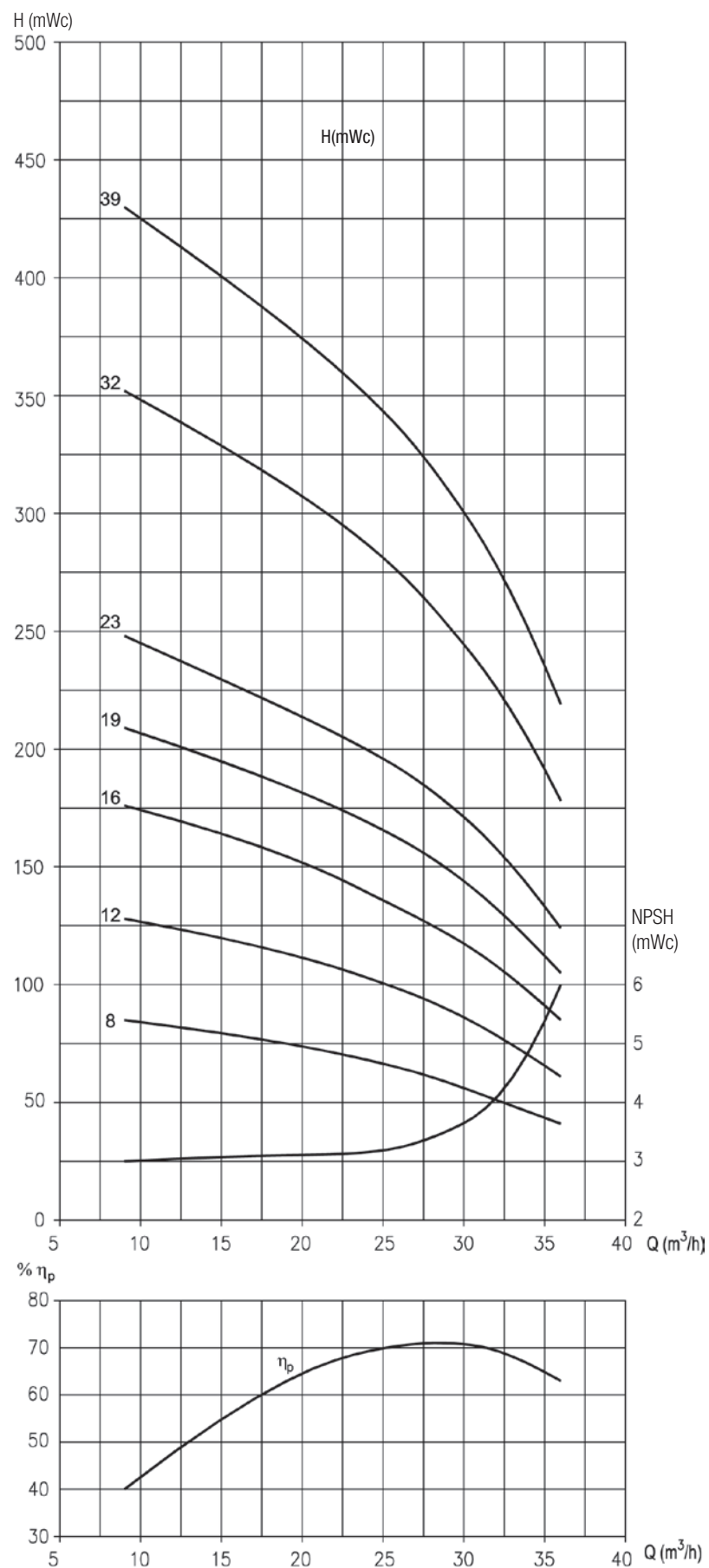




PUMP TYPE (Three-phase) 380V/415V	MOTOR TYPE (ALK) KW HP		FLOW	(m³/h)	12,6	14,4	18,0	21,6	25,2	28,8
				(lt / sn)	3,5	4,0	5,0	6,0	7,0	8,0
6020 KPS /6	5,5	7,5	H (M)	60	58	51	43	33	18	
6020 KPS /7	5,5	7,5		70	69	60	50	38	21	
6020 KPS /8	7,5	10,0		80	78	69	57	43	24	
6020 KPS /9	7,5	10,0		90	88	78	64	48	27	
6020 KPS /10	7,5	10,0		100	97	87	71	53	30	
6020 KPS /11	9,3	12,5		110	107	95	78	59	33	
6020 KPS /12	9,3	12,5		120	116	104	85	64	36	
6020 KPS /13	9,3	12,5		130	126	113	92	69	39	
6020 KPS /14	11	15,0		140	135	122	99	74	42	
6020 KPS /15	11	15,0		148	144	130	106	79	45	
6020 KPS /16	12,5	17,5		160	154	139	114	85	48	
6020 KPS /17	12,5	17,5		170	164	148	121	90	51	
6020 KPS /18	12,5	17,5		180	173	157	128	95	54	
6020 KPS /19	15	20,0		190	183	166	135	100	57	
6020 KPS /20	15	20,0		201	192	174	142	105	59	
6020 KPS /21	18,5	25,0		210	202	184	149	111	63	
6020 KPS /22	18,5	25,0		220	211	192	156	116	66	
6020 KPS /23	18,5	25,0		230	221	201	163	121	68	
6020 KPS /24	18,5	25,0		240	230	210	170	126	71	
6020 KPS /25	18,5	25,0		250	240	219	177	131	74	
6020 KPS /26	22	30,0		261	249	228	184	137	77	
6020 KPS /27	22	30,0		271	259	236	191	142	80	
6020 KPS /28	22	30,0		281	268	245	199	147	83	
6020 KPS /29	22	30,0		291	278	254	206	152	86	
6020 KPS /30	22	30,0		300	289	260	213	158	88	
6020 KPS /31	26,5	35,0		311	297	272	220	163	92	
6020 KPS /32	26,5	35,0		321	306	281	227	168	95	
6020 KPS /33	26,5	35,0		331	316	289	234	173	98	
6020 KPS /34	26,5	35,0		341	325	298	241	178	101	
6020 KPS /35	30	40,0		351	335	307	248	184	104	
6020 KPS /36	30	40,0		361	344	316	255	189	107	
6020 KPS /37	30	40,0		371	354	325	262	194	110	
6020 KPS /38	30	40,0		381	363	333	269	199	113	
6020 KPS /39	30	40,0		391	373	342	276	204	116	
6020 KPS /40	30	40,0		401	382	351	284	210	119	
6020 KPS /41	37	50,0		411	391	360	291	214	123	
6020 KPS /42	37	50,0		421	401	369	298	220	125	
6020 KPS /43	37	50,0		431	411	377	305	225	128	
6020 KPS /44	37	50,0		441	420	386	312	230	131	



6030 KPS

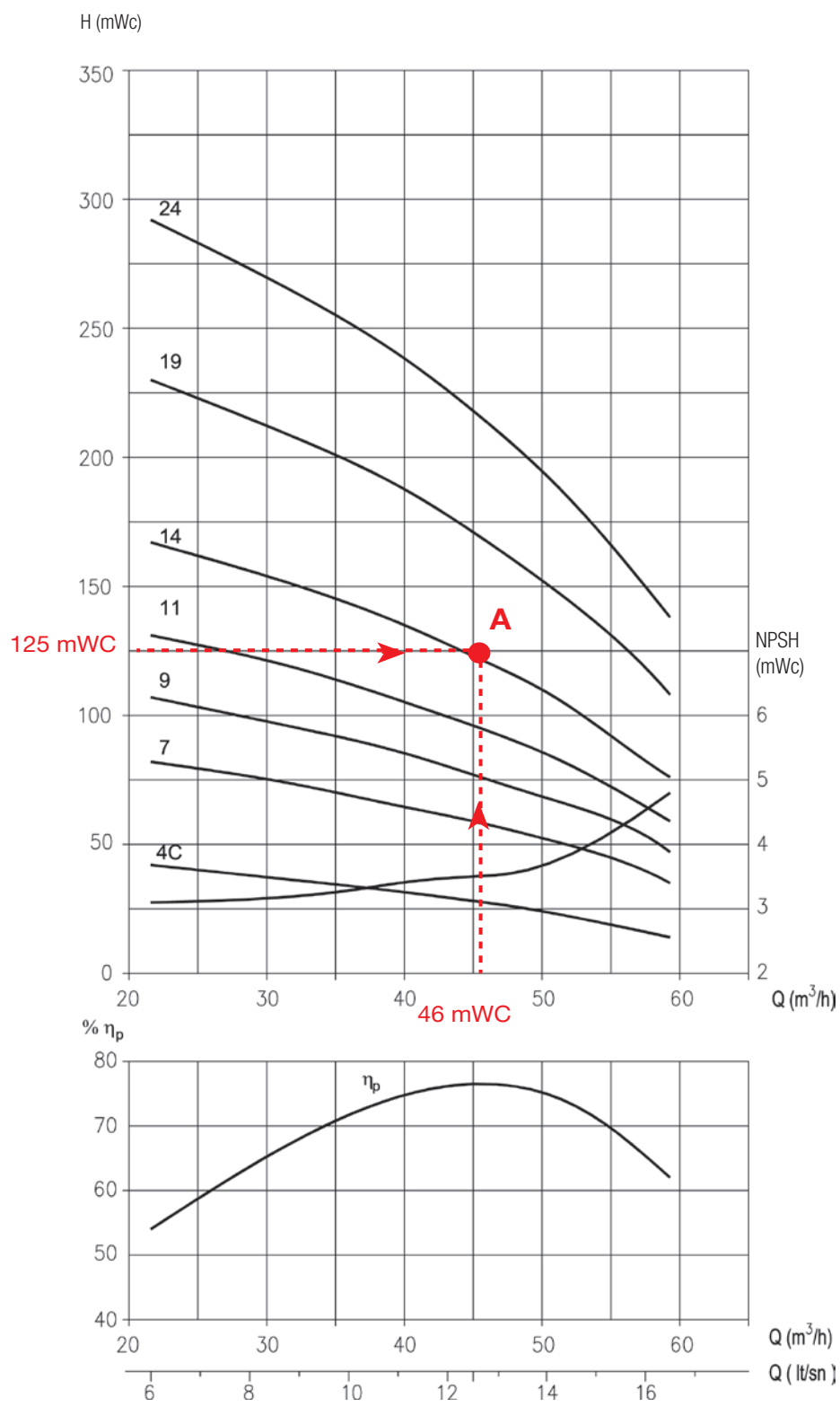




PUMP TYPE (Threephase) 380V/415V	MOTOR TYPE (ALK) KW HP		FLOW	(m³/h)	9	18	25,2	28,8	32,4	36
				(lt / sn)	2,5	5,0	7,0	8,0	9,0	10,0
6030 KPS /4	5,5	7,5	H (M)		41	38	33	30	24	18
6030 KPS /5	5,5	7,5			52	48	42	38	31	25
6030 KPS /6	5,5	7,5			64	58	51	46	38	32
6030 KPS /7	7,5	10,0			75	68	59	54	45	37
6030 KPS /8	7,5	10,0			85	76	66	59	50	41
6030 KPS /9	9,3	12,5			99	88	77	70	60	48
6030 KPS /10	9,3	12,5			110	97	86	78	67	54
6030 KPS /11	9,3	12,5			121	108	95	86	74	60
6030 KPS /12	11	15,0			128	115	100	90	77	61
6030 KPS /13	11	15,0			143	127	112	102	88	71
6030 KPS /14	12,5	17,5			154	137	121	110	95	77
6030 KPS /15	12,5	17,5			165	147	130	118	102	82
6030 KPS /16	15	20,0			176	157	135	122	106	85
6030 KPS /17	15	20,0			187	167	147	134	116	93
6030 KPS /18	18,5	25,0			198	177	156	142	123	99
6030 KPS /19	18,5	25,0			209	187	165	150	130	105
6030 KPS /20	18,5	25,0			222	198	174	159	138	112
6030 KPS /21	18,5	25,0			231	207	183	166	144	116
6030 KPS /22	22	30,0			242	217	192	174	151	122
6030 KPS /23	22	30,0			248	220	195	178	155	124
6030 KPS /24	22	30,0			264	236	209	190	165	133
6030 KPS /25	22	30,0			275	246	218	198	172	138
6030 KPS /26	22	30,0			286	256	227	206	179	144
6030 KPS /27	26,5	35,0			297	266	236	214	186	150
6030 KPS /28	26,5	35,0			308	276	244	222	193	155
6030 KPS /29	26,5	35,0			319	286	253	230	200	161
6030 KPS /30	26,5	35,0			328	295	261	236	204	163
6030 KPS /31	30	40,0			341	306	271	246	215	172
6030 KPS /32	30	40,0			352	316	280	254	222	178
6030 KPS /33	30	40,0			363	325	288	262	229	183
6030 KPS /34	30	40,0			374	335	297	271	236	189
6030 KPS /35	30	40,0			385	345	306	279	243	195
6030 KPS /39	37	50,0			430	385	342	312	273	219
6030 KPS /43	45	60,0			473	425	377	343	299	240
6030 KPS /46	45	60,0			506	454	403	367	320	257
6030 KPS /49	45	60,0			539	484	428	388	333	273



6046 KPS

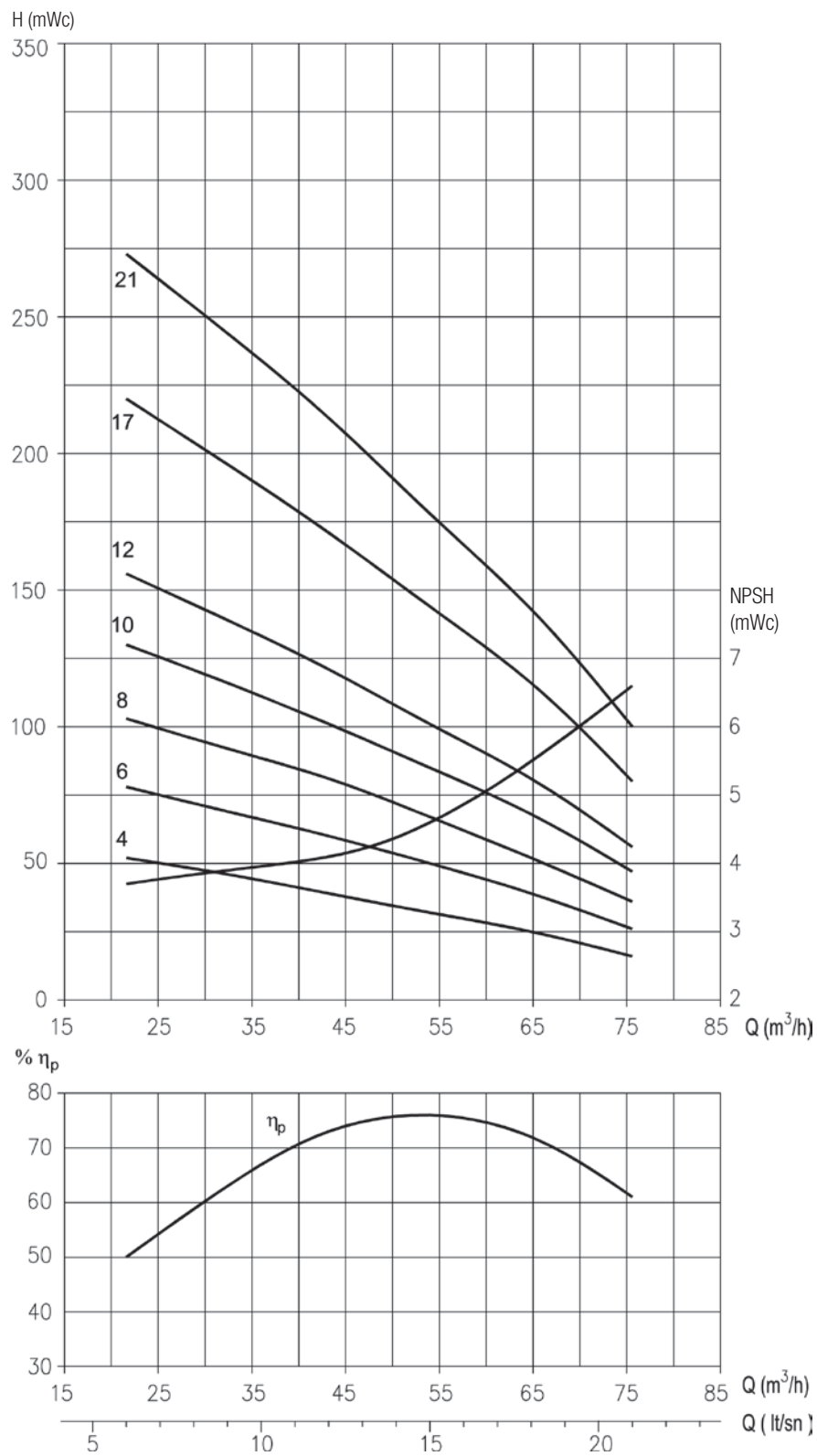




PUMP TYPE (Threephase) 380V/415V	MOTOR TYPE (ALK) KW HP		FLOW	(m³/h)	21,6	32,4	39,6	45	50,4	59,4
				(lt / sn)	6,0	9,0	11,0	12,5	14,0	16,5
6046 KPS /3-C	5,5	7,5	H (M)		30	25	21	18	15	8
6046 KPS /3	5,5	7,5			33	28	24	21	18	10
6046 KPS /4-C	5,5	7,5			42	36	32	28	24	14
6046 KPS /4	7,5	10,0			45	39	35	31	27	16
6046 KPS /5	7,5	10,0			57	50	45	40	35	22
6046 KPS /6	9,3	12,5			70	62	55	49	43	28
6046 KPS /7	11	15,0			82	73	65	59	52	35
6046 KPS /8-C	15	20,0			90	80	71	64	55	36
6046 KPS /8	15	20,0			95	86	77	70	62	42
6046 KPS /9-C	15	20,0			103	92	82	74	64	42
6046 KPS /9	15	20,0			107	95	86	77	68	47
6046 KPS /10	15	20,0			119	106	96	87	76	53
6046 KPS /11	18,5	25,0			131	118	106	96	85	59
6046 KPS /12	18,5	25,0			144	129	117	105	93	65
6046 KPS /13	22	30,0			156	140	127	115	101	71
6046 KPS /14	22	30,0			167	150	136	123	109	76
6046 KPS /15	22	30,0			181	162	148	133	118	83
6046 KPS /16	26,5	35,0			193	174	158	143	126	90
6046 KPS /17	26,5	35,0			205	185	168	152	134	96
6046 KPS /18	30	40,0			216	193	176	158	139	99
6046 KPS /19	30	40,0			230	207	189	171	151	108
6046 KPS /20	30	40,0			240	217	197	178	155	110
6046 KPS /21	37	50,0			255	230	209	190	168	120
6046 KPS /22	37	50,0			267	241	219	199	176	126
6046 KPS /23	37	50,0			280	252	230	208	184	132
6046 KPS /24	37	50,0			292	263	240	218	193	138
6046 KPS /26	45	60,0			318	286	261	237	210	152
6046 KPS /28	45	60,0			341	308	281	255	226	163
6046 KPS /30	45	60,0			366	331	302	270	233	165
6046 KPS /33	52	70,0			403	364	332	302	267	193
6046 KPS /35	55	75,0			428	387	353	321	284	206
6046 KPS /37	67	90,0			452	410	374	340	301	218

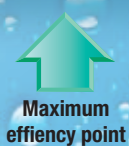


6060 KPS

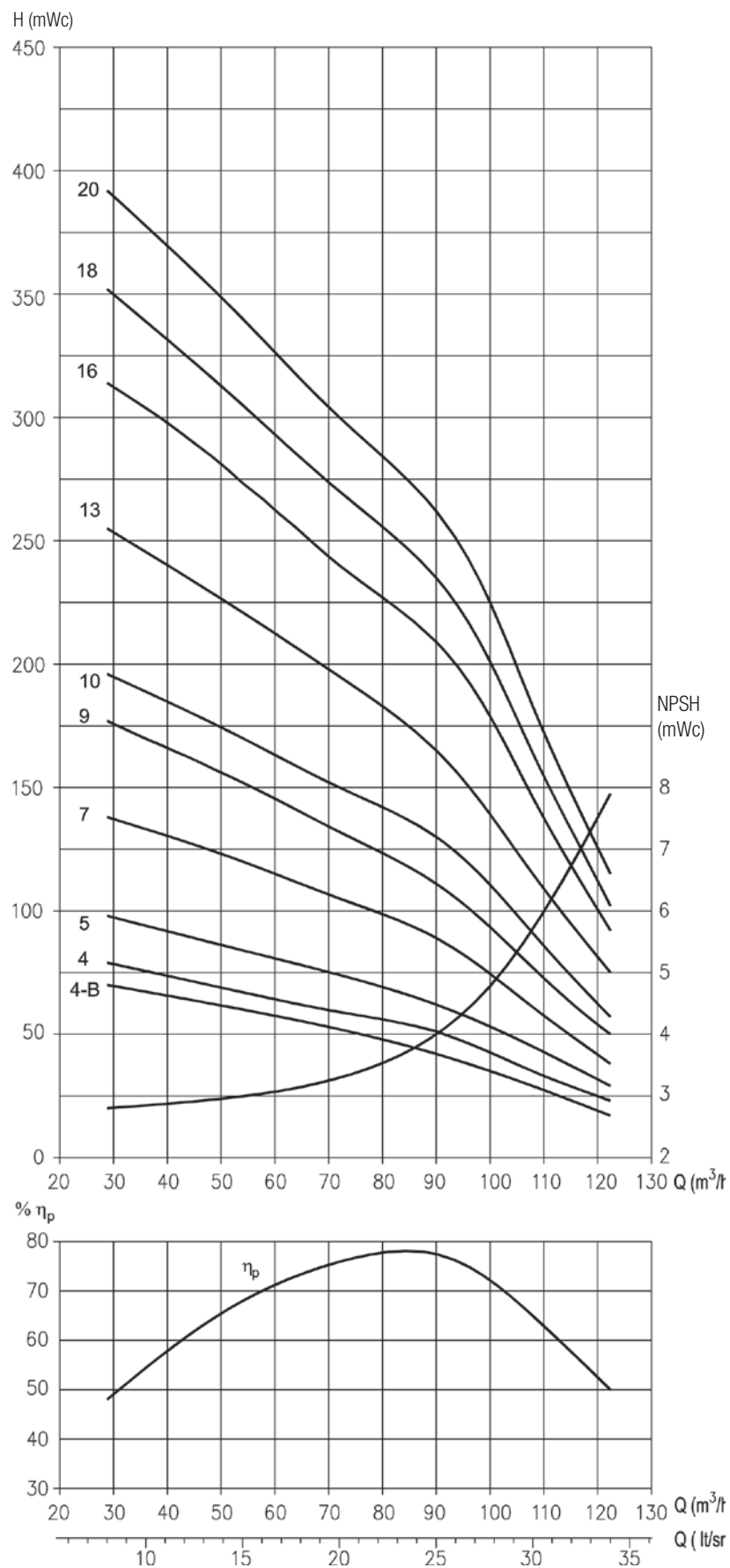




PUMP TYPE (Threephase) 380V/415V	MOTOR TYPE (ALK) KW HP		FLOW	(m³/h)	21,6	32,4	43,2	54	64,8	75,6
				(lt / sn)	6,0	9,0	12,0	15,0	18,0	21,0
6060 KPS / 3	7,5	10,0	H (M)		39	34	29	24	18	11
6060 KPS / 4	7,5	10,0			52	46	39	32	25	16
6060 KPS / 5	9,3	12,5			65	57	50	42	32	21
6060 KPS / 6	11	15,0			78	69	60	50	39	26
6060 KPS / 7	12,5	17,5			91	81	70	59	47	31
6060 KPS / 8-B	15	20,0			99	88	76	63	49	31
6060 KPS / 8	15	20,0			103	92	81	67	52	36
6060 KPS / 9-B	15	20,0			108	96	84	70	55	38
6060 KPS / 9	18,5	25,0			117	104	91	76	61	42
6060 KPS / 10	18,5	25,0			130	116	101	85	68	47
6060 KPS / 11	22	30,0			143	128	111	94	75	52
6060 KPS / 12	22	30,0			156	139	121	101	81	56
6060 KPS / 13	26,5	35,0			170	151	132	111	89	62
6060 KPS / 14	26,5	35,0			183	163	142	120	96	67
6060 KPS / 15	30	40,0			194	173	150	128	103	71
6060 KPS / 16	30	40,0			209	186	163	137	110	77
6060 KPS / 17	30	40,0			220	196	171	144	116	80
6060 KPS / 18	37	50,0			235	210	183	154	125	87
6060 KPS / 19	37	50,0			248	222	193	163	132	92
6060 KPS / 20	37	50,0			261	233	204	172	139	97
6060 KPS / 21	37	50,0			273	244	213	178	143	100
6060 KPS / 22	45	60,0			287	257	224	189	153	108

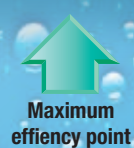


8095 KPS

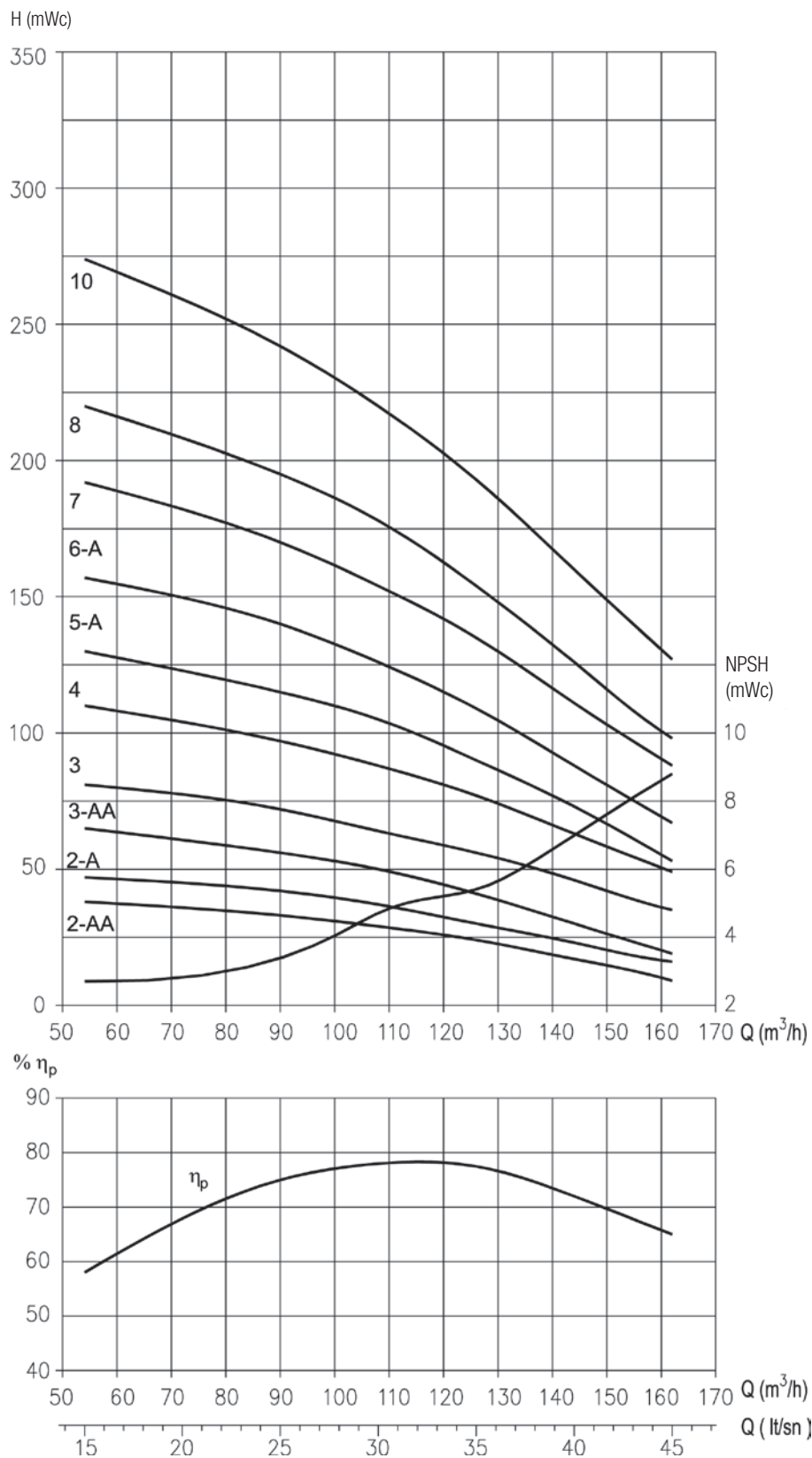




PUMP TYPE (Threephase) 380V/415V	MOTOR TYPE (ALK) KW HP		FLOW	(m ³ /h)	28,8	54	72	90	108	122,4
				(lt / sn)	8,0	15,0	20,0	25,0	30,0	34,0
8095 KPS / 01	5,5	7,5	H (M)	20	16	14	12	8	-	-
8095 KPS / 02-BB	5,5	7,5		25	21	19	14	9	-	-
8095 KPS / 02-A	7,5	10		34	29	25	21	13	3	3
8095 KPS / 02	9,3	12,5		39	33	29	24	15	5	5
8095 KPS / 03-BB	11	15		43	36	31	25	17	7	7
8095 KPS / 03-B	11	15		50	43	37	31	19	11	11
8095 KPS / 03	15	20		59	50	44	38	26	15	15
8095 KPS / 04-B	15	20		70	60	52	42	29	17	17
8095 KPS / 04	18,5	25		79	67	59	51	35	23	23
8095 KPS / 05-AB	22	30		85	73	64	54	35	20	20
8095 KPS / 05	22	30		98	84	74	62	45	29	29
8095 KPS / 06	26,5	35		118	101	89	77	53	33	33
8095 KPS / 07	30	40		138	120	105	89	61	38	38
8095 KPS / 08	37	50		157	135	119	104	72	46	46
8095 KPS / 09	37	50		177	152	132	111	77	50	50
8095 KPS / 10	45	60		196	170	150	130	91	57	57
8095 KPS / 11	55	75		216	187	165	144	100	63	63
8095 KPS / 12	55	75		237	205	180	158	110	72	72
8095 KPS / 13	55	75		255	221	195	165	115	75	75
8095 KPS / 14	67	90		275	238	210	183	128	80	80
8095 KPS / 15	67	90		294	255	225	196	137	86	86
8095 KPS / 16	67	90		314	272	240	209	146	92	92
8095 KPS / 17	75	100		333	289	255	223	155	98	98
8095 KPS / 18	81	110		352	305	270	235	164	102	102
8095 KPS / 19	92	125		373	323	285	249	174	109	109
8095 KPS / 20	92	125		392	340	300	262	183	115	115

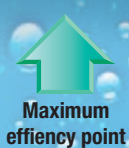


8125 KPS





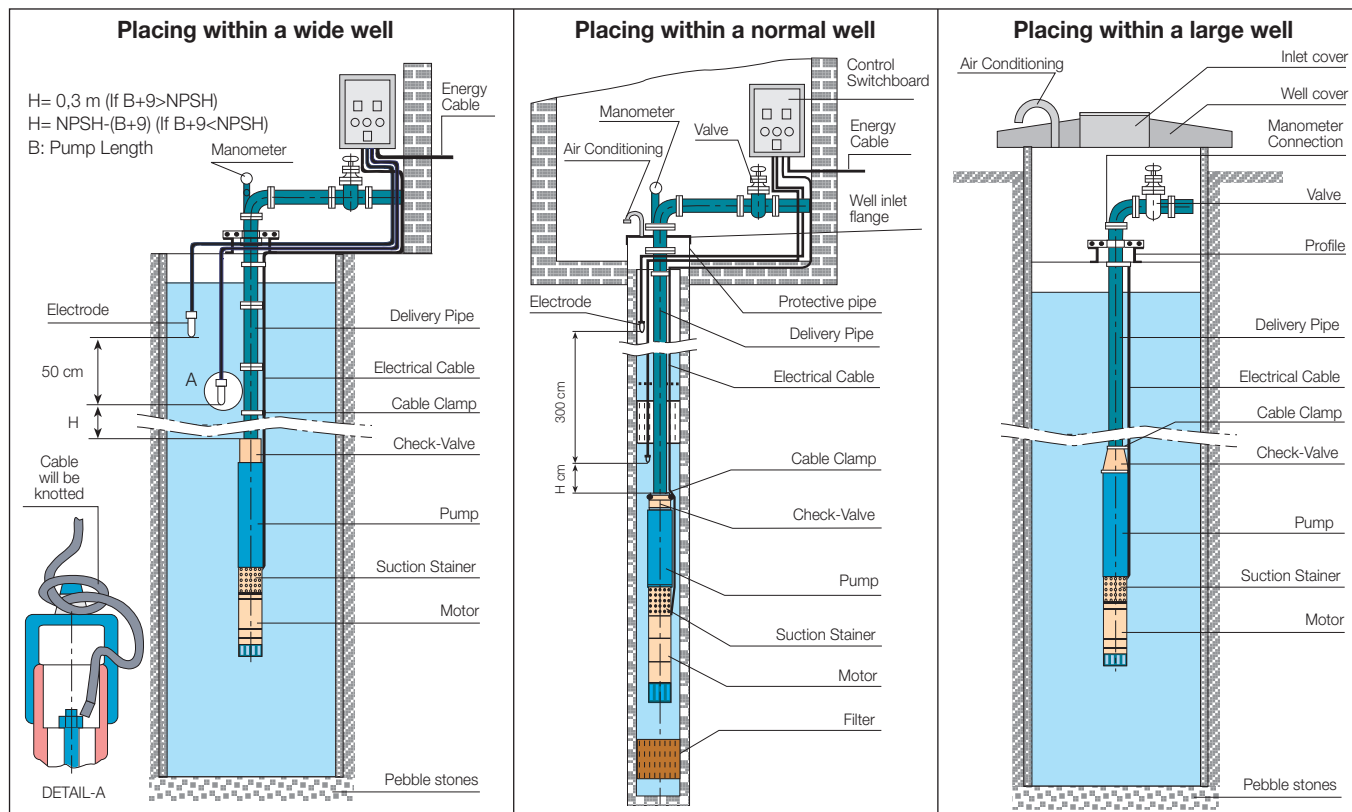
PUMP TYPE (Threephase) 380V/415V	MOTOR TYPE (ALK) KW HP		FLOW	(m ³ /h)	54	90	108	126	144	162
				(lt / sn)	15,0	25,0	30,0	35,0	40,0	45,0
8125 KPS / 01-A	7,5	10	H (M)		20	17	16	12	8	5
8125 KPS / 01	11	15			28	25	21	19	14	10
8125 KPS / 02-AA	12,5	17,5			38	33	29	24	17	9
8125 KPS / 02-A	18,5	25			47	42	37	30	23	16
8125 KPS / 02	22	30			55	49	43	38	28	17
8125 KPS / 03-AA	22	30			65	56	50	41	30	19
8125 KPS / 03	30	40			81	72	64	56	46	35
8125 KPS / 04-AA	37	50			93	81	73	62	47	33
8125 KPS / 04	37	50			110	97	88	77	63	49
8125 KPS / 05-AA	45	60			121	109	97	84	65	47
8125 KPS / 05-A	45	60			130	115	105	90	73	53
8125 KPS / 05	55	75			138	122	111	98	81	64
8125 KPS / 06-AA	55	75			150	132	118	103	81	59
8125 KPS / 06-A	55	75			157	140	126	109	88	67
8125 KPS / 06	67	90			164	145	132	115	95	75
8125 KPS / 07-A	67	90			186	163	147	128	105	79
8125 KPS / 07	67	90			192	170	154	135	111	88
8125 KPS / 08-AA	75	100			204	180	162	141	113	84
8125 KPS / 08	75	100			220	195	178	154	126	98
8125 KPS / 09-AA	81	110			230	206	185	159	127	95
8125 KPS / 09	92	125			246	218	198	173	139	102
8125 KPS / 10-AA	92	125			251	224	204	176	142	104
8125 KPS / 10	92	125			274	242	220	193	160	127
8125 KPS / 11	110	150			300	265	241	212	177	141
8125 KPS / 12	129	175			328	290	264	232	192	153
8125 KPS / 13	129	175			356	314	286	251	208	166



FOR SECURE AND EFFICIENT USES

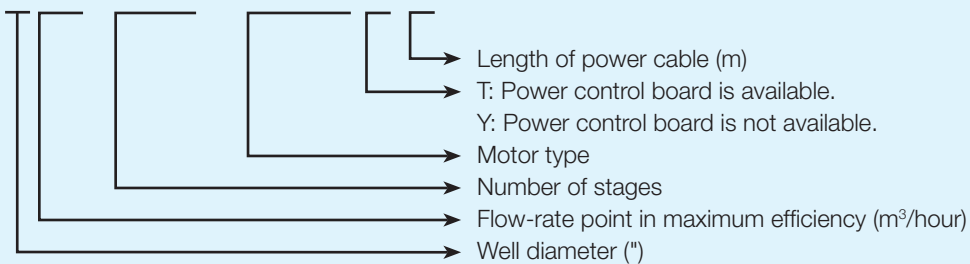
- Well water temperature and sand ratio in the well water should be controlled in the laboratory. Maximum sand in the well water should be 50 gr/m³ and well temperature should be 30°C.
- Pipes and Pipe clamps should have durability as carrying water in the vertical tube, tube group and itself weight.
- It is recommended that well diameter is bigger than pump diameter as at least 2" (inch).
- Distance between pump suction filter and well filter should be maximum.
- Distance between the bottom end of the motor and base of the well should be at least 50 cm. Length of pump in the well is determined due to this measurement.
- Since pump does not suck air, pump assembly depth should be proper to Net Positive Suction Height (minimum depth it can work at) values.

APPLICATION METHODS



Order Notation

6 046 / 14KPS + AL6 - 30 -T. 60



Alarko plunger pumps are shipped from the factory after being packaged safely.
The packages of 6" plunger pumps include hexwrench, water filling hopper and locktite.
Control board, water level control electrodes and cable are optional.
They are delivered in a separate package if ordered.

SELECTING CABLE

Rated Voltage	Motor Power		Cable Section (mm²)										
	kW	HP	4x1.5	4x2.5	4x4	4x6	4x10	3x16+10	3x25+16	3x35+16	3x50+25	3x70+35	3x95+50
3-Phase 380 V	0,37	0,5	545										
	0,55	0,75	347	575									
	0,75	1	296	490									
	1,1	1,5	199	331	528								
	1,5	2	155	257	411	612							
	2,2	3	108	180	287	429	707						
	3	4	80	133	213	317	522						
	3,7	5	70	125	186	290	420						
	4	5,5	62	104	166	248	400						
	4,4	6	50	82	160	240	260	645	1005				
	5,5	7,5	45	75	119	178	293						
	7,5	10		60	95	145	245	390	610	855			
	11	15		40	66	100	170	275	430	605			
	15	20		30	50	75	130	205	325	455	650		
	18,5	25		35	60	90	155	245	390	545	780		
	22	30		30	50	75	130	205	325	455	650		
	30	40				55	95	155	240	340	485	680	925
	37	50				45	75	125	195	275	390	550	745
	45	60					65	100	160	225	325	455	620
	55	75					50	80	130	180	260	365	495
	70	96						65	100	140	205	285	390
	80	110							85	120	170	240	330
	96	130								100	145	205	275
	110	150								85	125	175	240
	132	180									105	145	200

25 HP and above motors are star-delta. In star-delta motors, 2 of the cables with lengths specified above should be used.

OPTIONAL ELECTRIC BOARD



SOFT STARTER CONTROL PANELS

- Reduction in control panel and wiring cost up to 25% average
- Use of single cable instead of double-wire for 25 – 180 HP motor power (Star-Delta connected)
- With the use of single cable ,
 - » An average % 20 reduction in installation time
 - » An average % 50 reduction in cable attachment
- With the use of soft starter panels
 - » Low fault rate and longer pump life
 - » Low water hammer risk
 - » High customer satisfaction



ALARKO CARRIER GEBZE COMPLEX - ACGK



ACKG has covered area for 36.800 m² and totally 60.500m² in Gebze Organized Industry Site. Construction was started to built on July 1st 1999 and it was finished on November 1st 2000. In the Main Production Facility of Alarko Carrier, renewed its production technology and modernized its organization, has ISO 9001 certification. In tihs facility, air conditioning unit, burner, fan, coil, hydrophore, submersible and circulation pump, cooling group, cooling tower, central heating boiler, air equipment, central heating radiator. On the other hand, in Dudullu Organized Industry Site, Radiator Production Facility, has covered area for 9.250 m² and totally 18.000 m², produces panel radiator. 650 employees work in production facility and 324 employees work in management, sales and marketing departmant, and 22 employees work in R&D department. 996 employees work in Alarko Carrier totally.



The right to amend specifications under technologic developments is reserved



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