

Where there is Alarko
there's technology

**WHERE THERE IS TECHNOLOGY
THERE'S WATER!**



 **ALARKO**
SUBMERSIBLE PUMPS



Alarko submersible pumps are
**UNIQUE INDIVIDUAL
 and UNINTERRUPTED
 WATER SOURCE**

in potable water status by

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



Alarko submersible pumps are
MULTIFUNCTIONAL
 because of usable 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 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
PREMINENT
 because of

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

ALARKO,
 ALWAYS
**NUMBER
 ONE** IN
 SUBMERSIBLE
 PUMPS



Technology giving
life to water



PREMIUM

Submersible Pump 4" DMD-P Series

 **ALARKO**





Submersible pump is your biggest helper when present resources are inadequate and ground waters should be extracted. It is unrivaled, problem-free and economic in supplying drinking and usage waters. It is robust and long-lived Especially in tourism season, in touristic facilities where water is needed more than ever, it helps the problem of water be remedied in cases where city main is inadequate.

It is the most suitable solution for well water use in buildings, and car wash stations It is farmer and producer's biggest friend in irrigation of garden and agricultural areas. It overcomes water-problem and drought, and brings life to the soil and abundance to the produce. Alarko Diamond submersible pumps meet all your needs with 5 type, 43 models and high-reliability components with a capacity interval of 0,5-18 m³/hour.



Suction Case:

Durability and pump life is extended against aggressive well waters by Cu ASTM280 material with high corrosion resistance.



Valve Table and Bearing:

Durability and pump life is extended against aggressive well waters by "Fiberglas Reinforces Thermoplastic" material with high corrosion resistance.



Impellers:

Pump life and efficiency is increased with "Acetal" material with low surface roughness, and durable against sand abrasion. It is designed with floating fan against sand jamming.



Diffuser and Impeller Cover:

The stainless bearing fitted over the diffuser and diffuser cap provides high abrasion strength. It is manufactured from polycarbonate material.

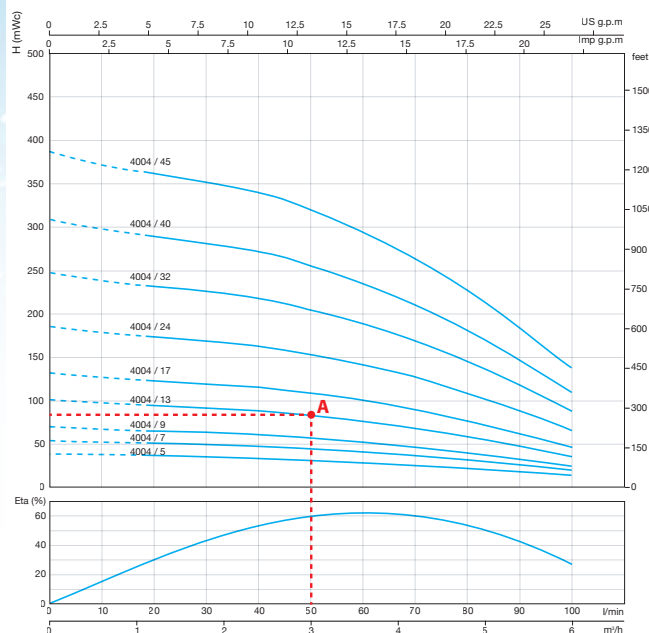
FOR SECURE AND EFFICIENT USE

- The well water temperature and the amount of sand in the well water must be analyzed in a laboratory. The maximum sand amount in the well water must be 25 gr/m³, and maximum well water temperature must be 40°C.
- Pipes and pipe clamps must have enough strength to carry the pump group, the water in the vertical pipe and its own weight.
- It is recommended that thee well diameter is at least 2" (inches) larger than the pump diameter.
- The distance between the pump suction filter and well filter must have maximum distance.
- The lower end of the motor and the well bottom must be at least 50 cm apart. The height of the pump descending into the well is determined accordingly.
- The assembly depth of the pump is the Net Positive Suction Height which is the minimum depth that the pump can operate without sucking air. Must be suitable to (NPSH) values.

TECHNICAL SPECIFICATIONS

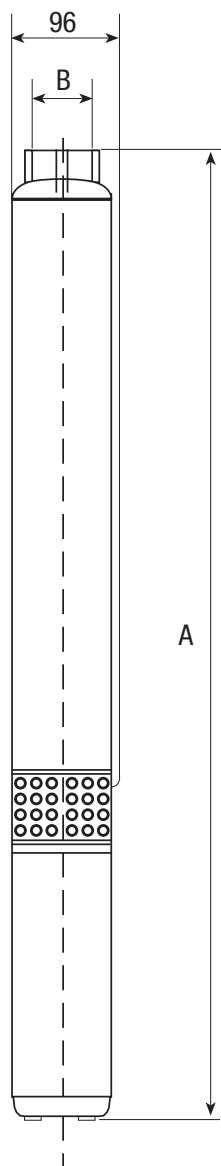
Operation Voltage	3~380 V	1~220 V
Permissible Maximum Voltage Change	-10.....+10 %	+ %5,-%10
Frequency	50 Hz	
Pump Type	4SD / SDM 2,4,6,10,12,16	
Motor RPM	2850 Rev / Min	
Permissible Maximum Starts per Hour	30	
Maximum Well Water Temperature	40°C	

“General Selection Chart” is used to determine the pump type zone that the intersection of the desired flow rate and manometric height (A) remains in. If the well diameter is 4”, flow rate (Q) is 3 m³/hour and manometric height (H) is 75 mWc; on “Pump General Curves” the 3 m³/hour on the horizontal axis and 75 mWc points on the vertical axis are intersected. The intersection point (A) remains inside the 4 SD / SDM 4 type pump zone. From here, the 4 SD / SDM 4 type pump “Independent Characteristic Curve” is consulted. 3 m³/hour and 75 mWc point intersection point is on the 13th stage curve. Pump stage is selected as 13. “Electrical Characteristics, Dimensions and Weights Table” shows the pump motor power as 1.1 kW. Order notation is determined as 4 SD / SDM 4/13 DMD-P+1.1 kW.



4SD / SDM 4 DMD-P

ELECTRICAL FEATURES, DIMENSIONS AND WEIGHTS

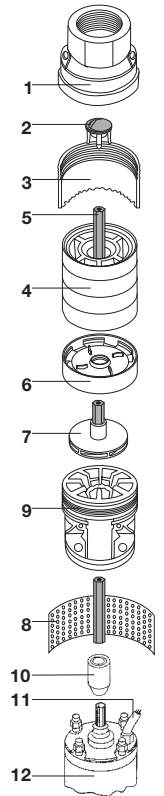


Pump Type	Number of Stage	Motor Power (HP)	Nominal Current		Total Dimention Approximate (mm)		Total Weight Approximate (kg)		Pump Exit Diameter
			220 V	380 V	220 V	380 V	220 V	380 V	
4 SD/SDM 2 DMS-P2	8	0.5	3.5	1.6	741	741	10.4	10.1	Pipe Thread ISO 228-G 1 1/4
	11	0.75	4.6	2	831	831	11.9	11.5	
	16	1	6	2.7	985	970	14.4	13.4	
	22	1.5	8	3.4	1175	1155	17.7	16.5	
	28	2	10.5	4.3	1406	1371	21.3	19.4	
	38	3	15	6.3	1749	1709	28.3	26.1	
	50	4	-	8.5	-	2058	-	31.6	
	52	4	-	8.5	-	2182	-	35.7	
	58	4	-	8.5	-	2368	-	39.5	
4 SD/SDM 4 DMS-P2	8	0.75	4.6	2	783	783	9.9	11	Pipe Thread ISO 228-G 1 1/4
	10	1	6	2.7	872	857	11	12.3	
	14	1.5	8	3.4	1029	1009	13	15.1	
	18	2	10.5	4.3	1227	1202	15.9	16.1	
	24	3	15	6.3	1479	1439	19.3	23.6	
	32	4	-	8.5	-	1715	25.8	28.3	
	40	5.5	-	10.3	-	2006	-	33.7	
	45	7.5	-	12.3	-	2203	-	37	
	50	7.5	-	12.3	-	2532	-	43.1	
4 SD/SDM 6 DMS-P2	8	1	6	2.7	863	848	12.5	11.8	Pipe Thread ISO 228-G 1 1/2
	9	1.5	8	3.4	-	-	-	-	
	11	1.5	8	3.4	1006	986	15.3	14.5	
	14	2	10.5	4.3	1191	1166	18.5	17.3	
	17	3	15	6.3	1348	1360	22.1	22.1	
	20	3	15	6.3	1491	1463	25	23	
	26	4	-	8.5	-	1750	-	28.8	
	34	5.5	-	10.3	-	2162	-	35	
	42	7.5	-	12.3	-	2526	-	41.6	
4 SD/SDM 10 DMS-P2	7	1.5	8	3.4	793	873	14.2	13.4	Pipe Thread ISO 228-G 2"
	10	2	10.5	4.3	1058	1033	17.4	16.2	
	14	3	15	6.3	1335	1307	23.4	21.4	
	18	4	-	8.5	-	1539	-	26.7	
	22	5.5	-	10.3	-	1796	-	31.8	
4 SD/SDM 12 DMS-P2	8	2	10.5	4.3	1125	1100	14.4	16.3	Pipe Thread ISO 228-G 2"
	12	3	15	6.3	1473	1445	17.5	21.8	
	16	4	-	8.5	-	1744	23.8	27.4	
	20	5.5	-	10.3	-	2108	-	32.9	
	26	7.5	-	12.3	-	2533	-	39.4	
4 SD/SDM 16 DMS-P2	6	2	10.5	4.3	1088	1063	17.2	16	Pipe Thread ISO 228-G 2"
	9	3	15	6.3	1412	1390	23.3	21.3	
	12	4	-	8.5	-	1675	-	26.2	
	16	5.5	-	10.3	-	2084	-	32.5	
	20	7.5	-	12.3	-	2448	-	38.6	

MAIN PARTS / STANDARD CONSTRUCTION 4SD / SDM 2, 4, 6, 10, 12, 16 DMD-P Models



- 1- CASING:** It is on the upper part of the pump. Pump exit connection is made here. It is manufactured from Bronze material (Cu ASTM 280)
- 2- CHECK VALVE:** It is inside the valve body. Prevents the return of the pumped water.
- 3- BODY PIPE:** It holds together the pump stages that are stacked between the suction mouth and valve body. It is manufactured from AISI 304 stainless steel material.
- 4- BEARING BODY:** Centralizes the pump shaft through the bearings.
- 5- PUMP SHAFT:** It is fixed to the motor shaft through special coupling. It is of hexagon type, made of AISI 304 stainless steel material.
- 6- DIFFUSER:** Enables the water to be transferred suitably between stages. It is manufactured from polycarbonate material.
- 7- IMPELLER:** There is one fan in every stage. It is designed with floating impeller against sand jamming. It is manufactured from acetal material.
- 8- SUCTION STAINER:** Prevents entrance of particles of size that can damage the pump.
- 9- SUCTION CASE:** Enables the pump and motor to be connected to each other. Water enters the pump through the suction opening. It has a suction filter that prevents large particles from entering. It is manufactured from Bronze material (Cu ASTM 280)
- 10- COUPLING:** Connects the pump and motor shaft, manufactured from AISI 304 or AISI 316 stainless steel material.
- 11- ELECTRICAL CABLE:** Special underwater electrical cable. Has number of lines and cross section suitable for the motor.
- 12- MOTOR:** Manufactured suitably for operating underwater. The bearings that carry radial and axial loads are lubricated and cooled with the special liquid filled inside the motor. Motor is started directly.



STANDARD ELECTRICAL CONTROL PANEL PARTS



Energy Control Lamp: Displays whether there is power feed to the panel.

Main Switch: Turns on/off the power feed to the panel.

Control Switch: Powers the motor.

Water Level Automat: Controls the pump's activation/deactivation automatically according to the well water level. Prevents the pump from operating without water. Water level servo is a set with level control electrodes and electrode cable assembly.

Phase (Motor) Control Relay and Warning Lamp: Prevents the three-phase motors from being left with two phases. It also provides protection by stopping the pump in phase instabilities in the power main.

Fuses: Protection against short circuit.

Thermal Relay: Protection against excessive load

Warning Lamps: "Malfunction", "Operation", "Well Without Water" lamps. Enables easy monitoring of the pump operation

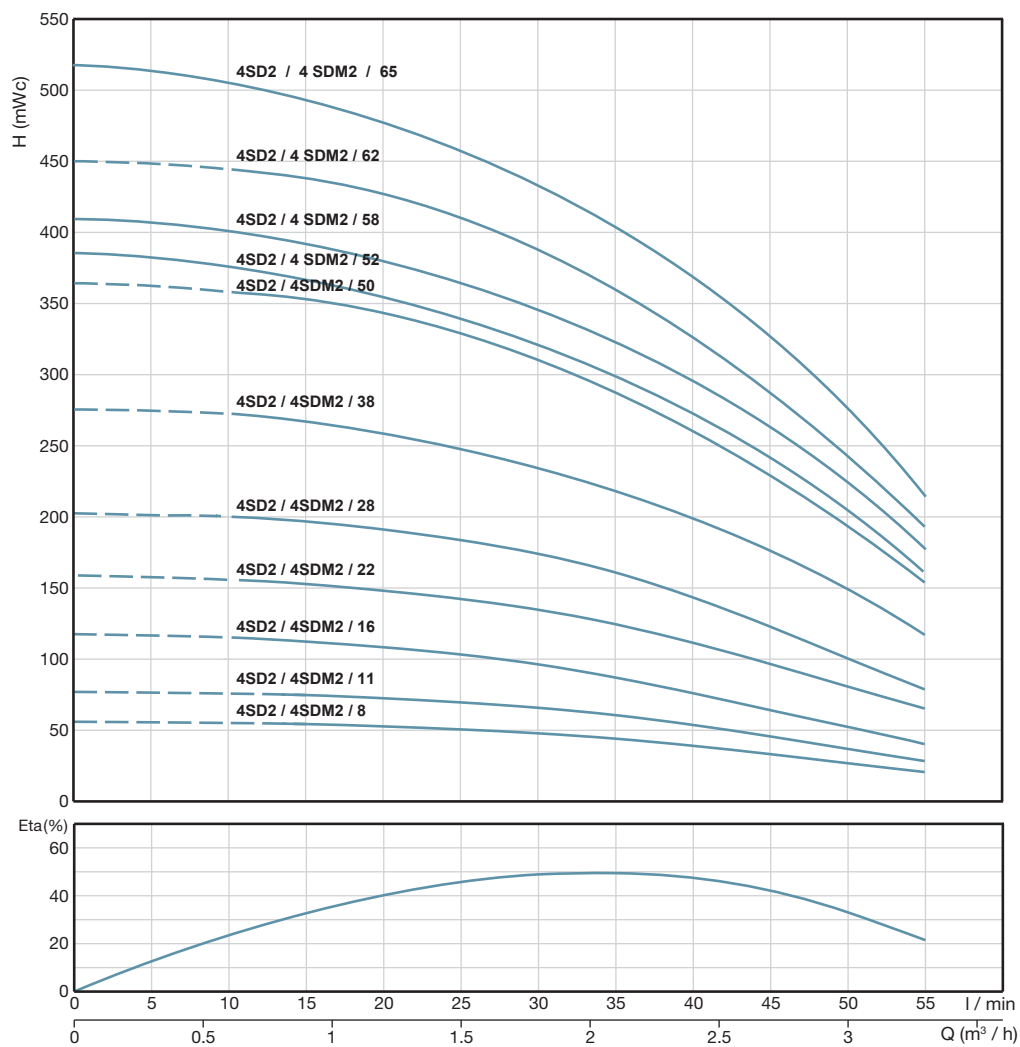
Amperometer and Voltmeter: Current and voltage values can be measured. (Optional)

ELECTRICAL CABLE SELECTION CHART

NOMINAL VOLTAGE	Motor Power		Cable Section (mm ²)						Maximum Cable Length (m)
	kW	HP	1.5	2.5	4	6	10	16	
MONOPHASE 220 V	0.37	0.5	71	118	190	285	495	776	
	0.55	0.75	55	92	149	223	386	604	
	0.75	1	45	74	120	179	308	479	
	1.1	1.5	30	50	81	121	209	325	
	1.5	2	24	40	64	96	166	259	
	0.37	0.5	479	796	-	-	-	-	
	0.55	0.75	352	586	940	-	-	-	
TRIPHASE 380 V	0.75	1	267	325	713	1064	-	-	
	1.1	1.5	196	244	522	779	-	-	
	1.5	2	147	173	392	585	1000	-	
	2.2	3	104	126	277	413	707	1090	
	3	4.0	76	99	203	302	518	798	
	4	5.5	59	87	159	237	406	626	
	4.4	6	21	104	139	207	355	548	
	5.5	7.5	41	69	110	165	283	437	
	7.5	10	-	50	81	121	207	320	

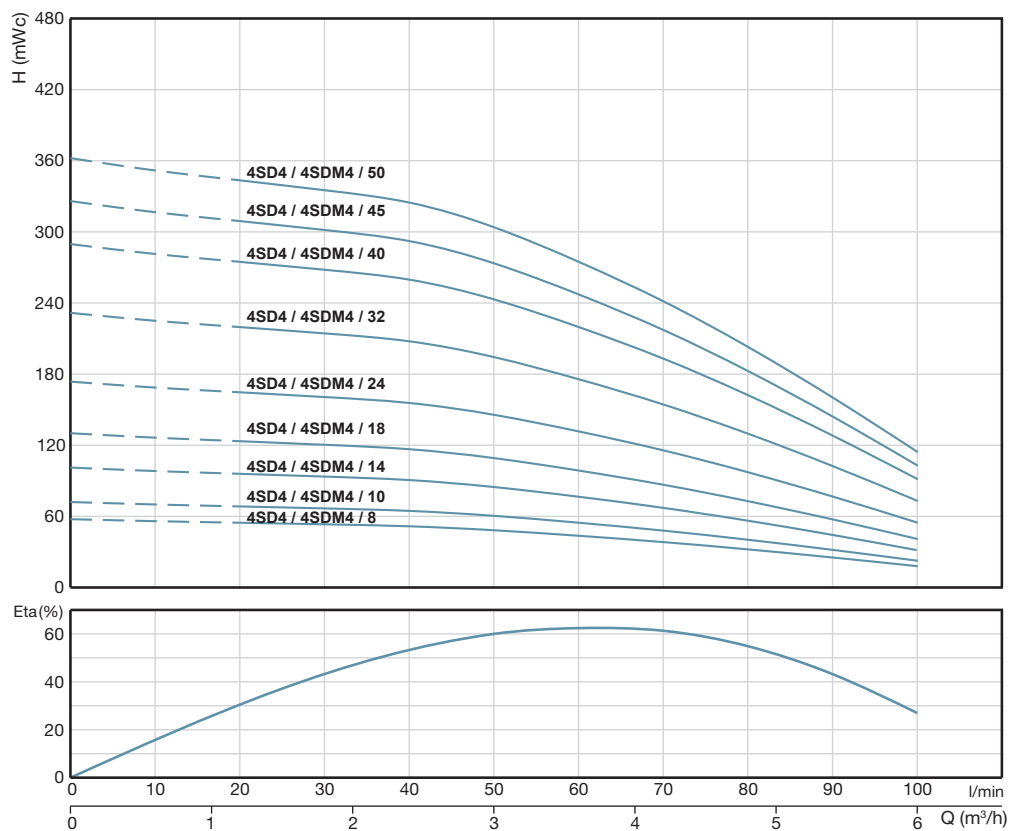
4SD / SDM 2 DMD-P

MODEL		P ₂		n ≈ 2850 1/min															
1 ~ 220V / 240V	3 ~ 380V / 415V	KW	HP	n	m ³ / h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3		
					l / min	0	5	10	15	20	25	30	35	40	45	50	55		
4SDM2 / 8 DMD	4SD2 / 8 DMD	0.37	0.5	H (m)	58	58	57	56	54	52	50	46	42	36	30	25			
4SDM2 / 11 DMD	4SD2 / 11 DMD	0.5	0.75		80	79	78	77	75	72	68	63	57	50	42	34			
4SDM2 / 16 DMD	4SD2 / 16 DMD	0.75	1		116	116	114	112	109	105	99	92	83	73	61	50			
4SDM2 / 22 DMD	4SD2 / 22 DMD	1.1	1.5		160	159	157	154	150	144	136	126	114	100	84	68			
4SDM2 / 28 DMD	4SD2 / 28 DMD	1.5	2		204	202	200	196	191	183	173	161	145	127	107	87			
4SDM2 / 38 DMD	4SD2 / 38 DMD	2.2	3		276	275	271	266	259	249	235	218	197	173	145	118			
	4SD2 / 50 DMD	3	4		364	361	356	350	340	327	310	287	260	227	190	155			
	4SD2 / 52 DMD	3	4		378	374	368	358	349	338	319	295	266	251	192	157			
	4SD2 / 58 DMD	3	4		408	403	399	392	380	362	341	316	287	252	214	174			
	4SD2 / 62 DMD	4	5.5		451	448	442	434	422	406	384	356	322	282	236	192			
	4SD2 / 65 DMD	5.5	7.5		513	509	502	493	480	461	436	404	366	320	268	218			



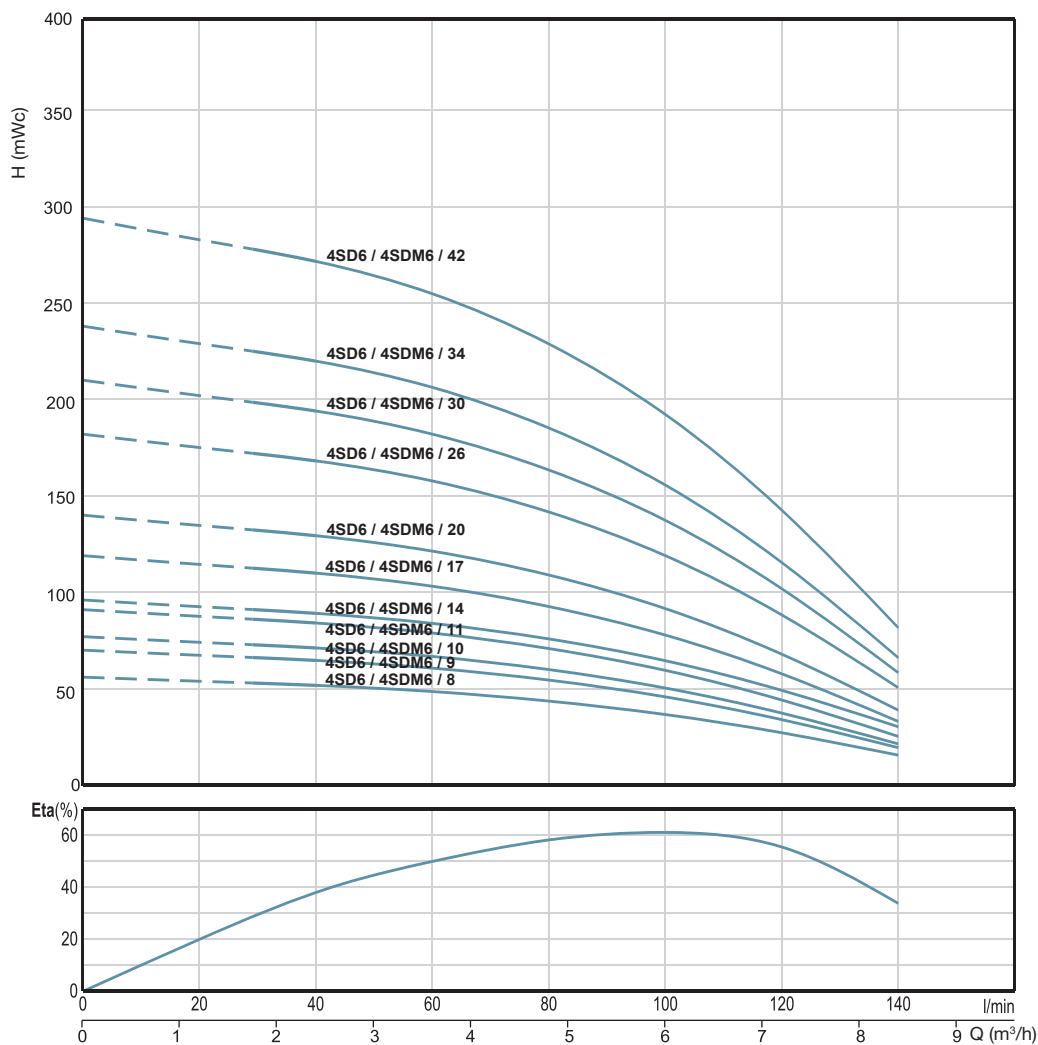
4SD / SDM 4 DMD-P

MODEL		P ₂		n ≈ 2850 1/min													
1 ~ 220V / 240V	3 ~ 380V / 415V	KW	HP	n	m ³ / h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	
					l / min	0	10	20	30	40	50	60	70	80	90	100	
4SDM4 / 8 DMD	4SD4 / 8 DMD	0.5	0.75	H (m)		58	56	55	54	52	49	44	39	33	26	16	
4SDM4 / 10 DMD	4SD4 / 10 DMD	0.75	1			73	70	69	67	65	61	55	48	41	32	23	
4SDM4 / 14 DMD	4SD4 / 14 DMD	1.1	1.5			102	98	96	94	91	85	77	68	57	45	32	
4SDM4 / 18 DMD	4SD4 / 18 DMD	1.5	2			131	127	124	121	117	109	99	87	73	58	41	
4SDM4 / 24 DMD	4SD4 / 24 DMD	2.2	3			174	169	165	161	156	146	132	116	98	77	55	
	4SD4 / 32 DMD	3	4			232	225	220	215	208	195	176	155	130	103	73	
	4SD4 / 40 DMD	4	5.5			290	281	275	268	260	243	220	194	163	128	92	
	4SD4 / 45 DMD	5.5	7.5			327	316	309	302	293	274	248	218	183	144	103	
	4SD4 / 50 DMD	5.5	7.5			363	352	344	335	325	304	275	242	203	160	115	



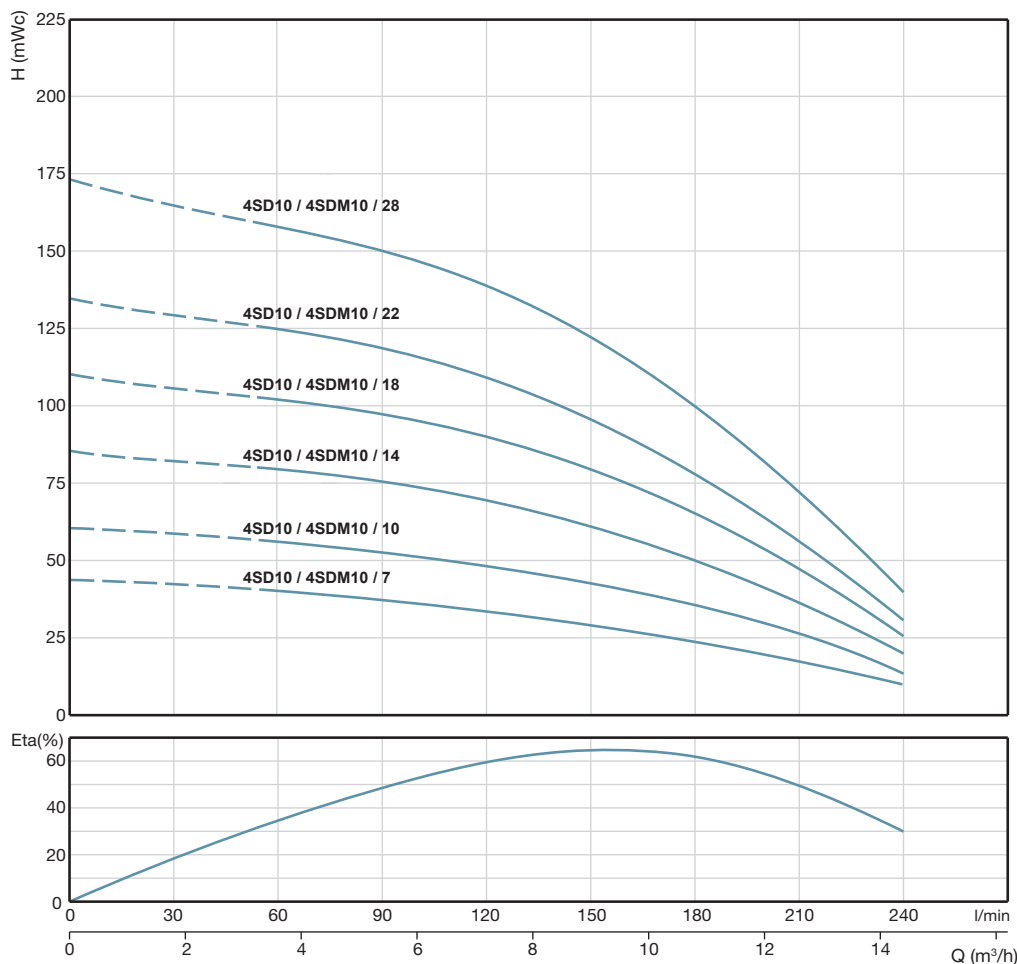
4 SD / SDM 6 DMD-P

MODEL		P ₂		n ≈ 2850 1/min										
1 ~ 220V / 240V	3 ~ 380V / 415V	KW	HP	n	m ³ / h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	
					l / min	0	20	40	60	80	100	120	140	
4SDM6 / 8 DMD	4SD6 / 8 DMD	0.75	1	H (m)		56	54	52	48	44	36	27	16	
4SDM6 / 9 DMD	4SD6 / 9 DMD	1.1	1.5			63	60	58	54	49	40	30	17	
4SDM6 / 11 DMD	4SD6 / 11 DMD	1.1	1.5			77	74	71	67	60	49	37	21	
4SDM6 / 14 DMD	4SD6 / 14 DMD	1.5	2			98	94	90	84	76	62	47	27	
4SDM6 / 17 DMD	4SD6 / 17 DMD	2.2	3			119	114	110	103	93	76	58	33	
4SDM6 / 20 DMD	4SD6 / 20 DMD	2.2	3			140	135	129	121	109	90	68	39	
	4SD6 / 26 DMD	3	4			182	175	168	158	142	117	89	50	
	4SD6 / 34 DMD	4	5.5			238	229	220	206	185	152	116	66	
	4SD6 / 42 DMD	5.5	7.5			294	283	271	254	229	188	143	82	



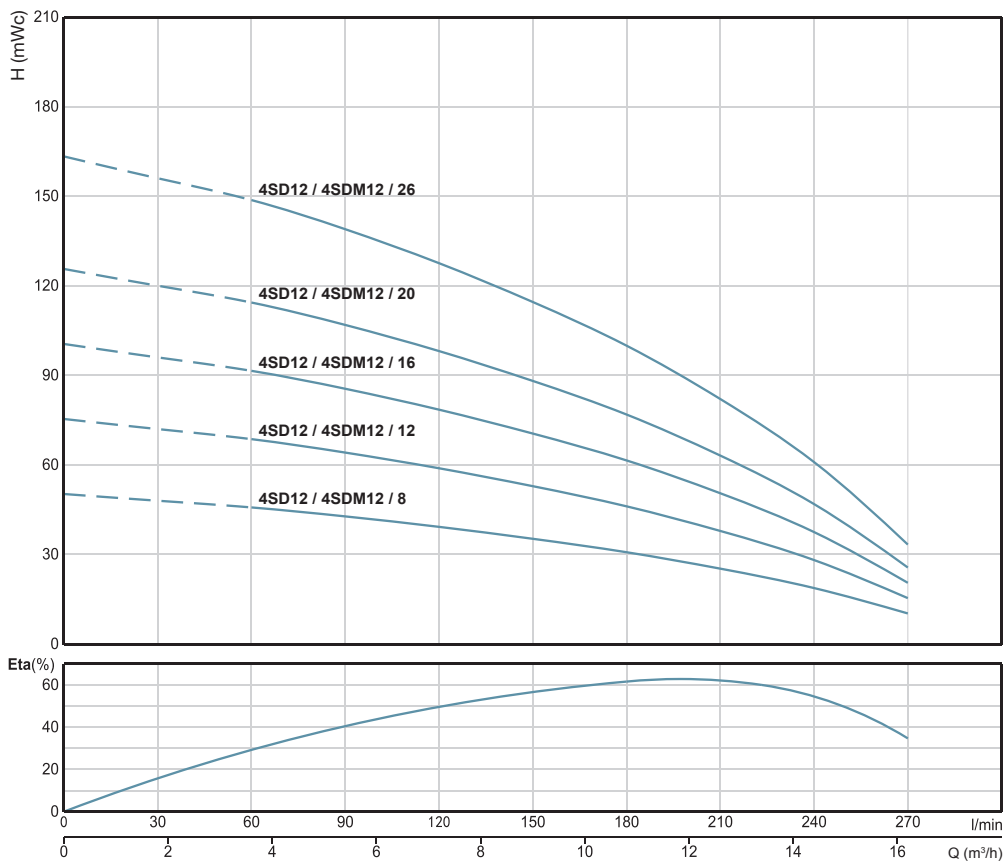
4SD / SDM 10 DMD-P

MODEL		P ₂		n ≈ 2850 1/min										
1 ~ 220V / 240V	3 ~ 380V / 415V	KW	HP	n	m ³ / h	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4
					l / min	0	30	60	90	120	150	180	210	240
4SDM10 / 7 DMD	4SD10 / 7 DMD	1.1	1.5	H (m)	43	42	40	37	35	31	25	18	10	
4SDM10 / 10 DMD	4SD10 / 10 DMD	1.5	2		62	59	56	54	50	44	36	26	14	
4SDM10 / 14 DMD	4SD10 / 14 DMD	2.2	3		86	83	79	75	70	62	51	36	20	
	4SD10 / 18 DMD	3	4		111	107	102	96	90	79	65	47	26	
	4SD10 / 22 DMD	4	5.5		136	131	124	118	110	97	80	57	32	
	4SD10 / 28 DMD	5.5	7.5		173	166	158	150	140	124	101	72	40	



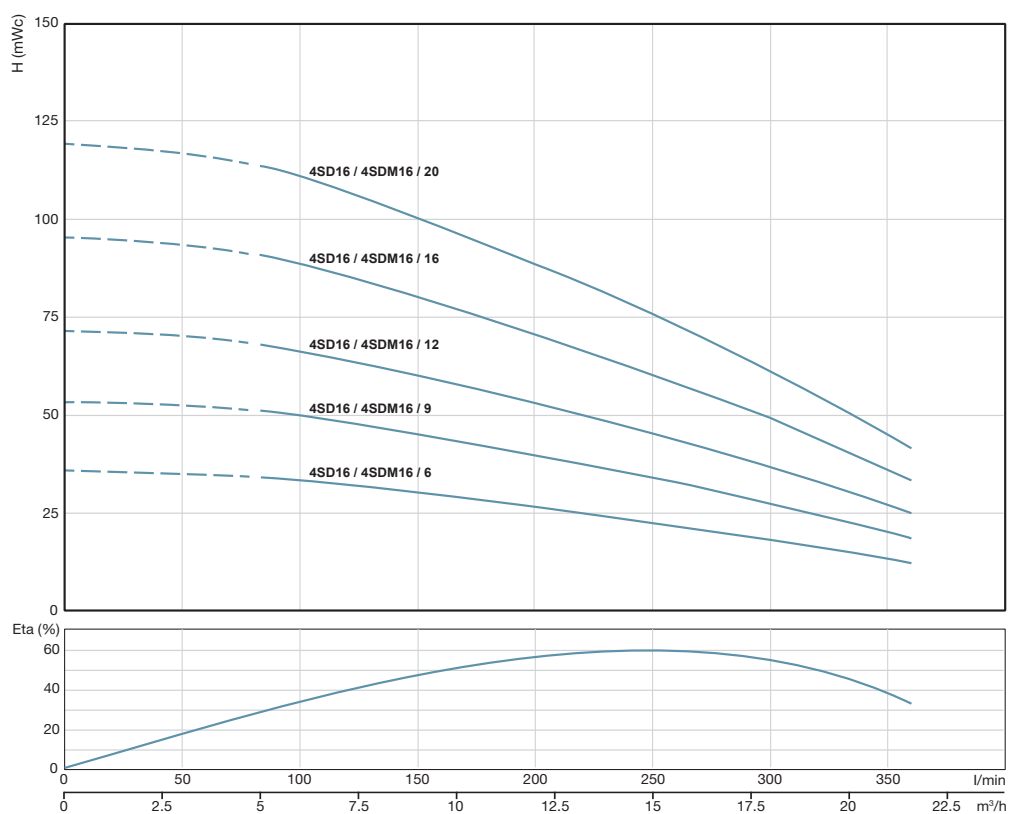
4SD / SDM 12 DMD-P

MODEL		P ₂		n ≈ 2850 1/min											
1 ~ 220V / 240V	3 ~ 380V / 415V	KW	HP	n	m ³ / h	0	1,2	3,6	5,4	7,2	9	10,8	12,6	14,4	16,2
					l / min	0	30	60	90	120	150	180	210	240	270
4SDM12 / 8 DMD	4SD12 / 8 DMD	1.5	2	H (m)	50	48	46	43	39	35	31	25	19	10	
4SDM12 / 12 DMD	4SD12 / 12 DMD	2.2	3		75	72	69	64	59	53	46	38	28	15	
	4SD12 / 16 DMD	3	4		101	96	92	86	79	71	62	51	38	21	
	4SD12 / 20 DMD	4	5.5		126	120	114	107	98	88	77	63	47	26	
	4SD12 / 26 DMD	5.5	7.5		163	156	149	139	128	115	100	82	61	33	



4SD / SDM 16 DMD-P

MODEL		P ₂		n ≈ 2850 1/min									
1 ~ 220V / 240V	3 ~ 380V / 415V	KW	HP	n	m ³ / h	0	3	6	9	12	15	18	21
					l / min	0	50	100	150	200	250	300	350
4SDM16 / 6 DMD	4SD16 / 6 DMD	1.5	2	H (m)		36	35	33	30	26	22	18	13
4SDM16 / 9 DMD	4SD16 / 9 DMD	2.2	3			53	52	50	45	40	33	27	19
	4SD16 / 12 DMD	3	4			71	70	66	60	53	45	36	26
	4SD16 / 16 DMD	4	5.5			95	93	88	80	70	60	48	35
	4SD16 / 20 DMD	5.5	7.5			118	116	110	100	88	74	60	43



Technology giving
life to water



Submersible Pump AL 6"-8" KPS Series

 **ALARKO**

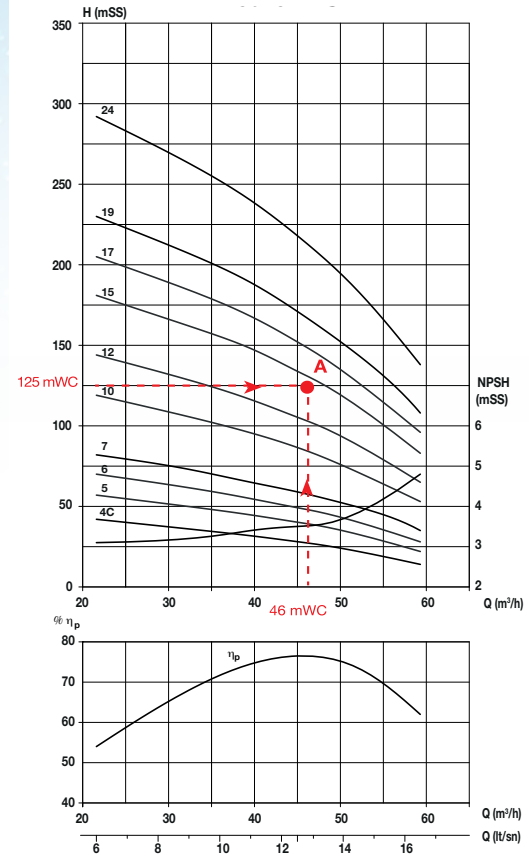


SELECTING PUMP

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.



SELECTING CABLE

Rated Voltage	Motor Power		Cable Section (mm ²)										
	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.

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.

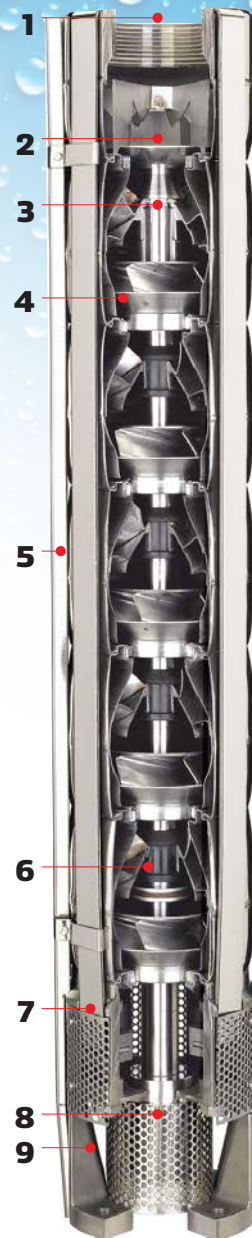
5-Cable Housing: Made up of peculiarly thinned rustproof steel. It facilitates installation in the wells with less tolerance.

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 rust-proof 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.



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

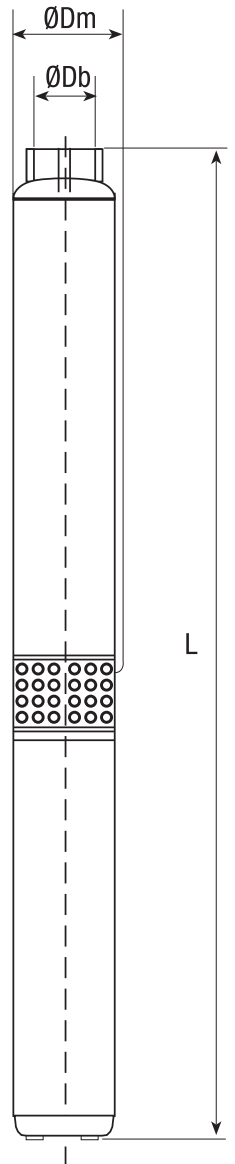
FOR SECURE AND EFFICIENT USES

- 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.

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

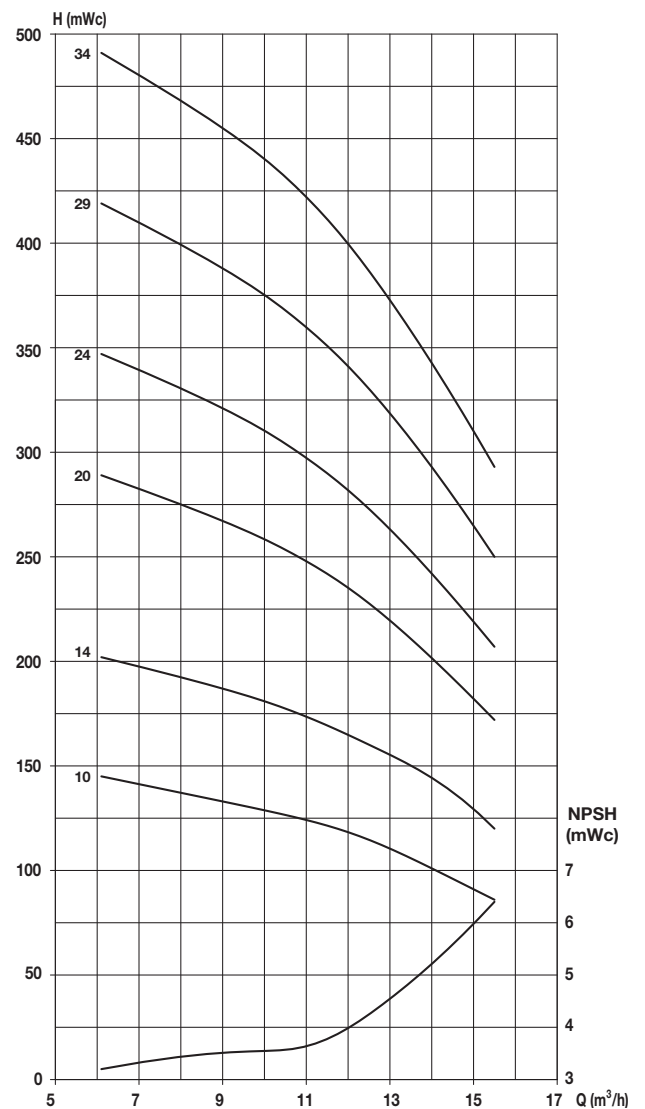
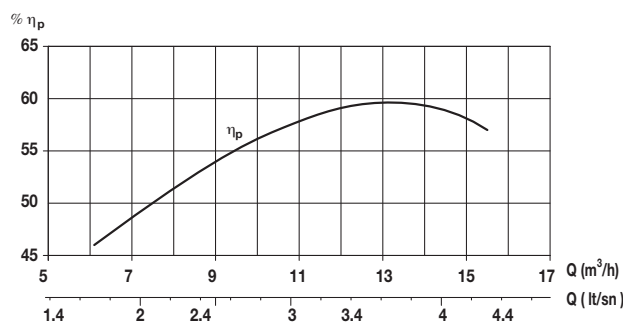
ELECTRICAL SPECIFICATIONS, DIMENSIONS AND WEIGHTS

TYPE / Pump + Motor	MOTOR POWER		MOTOR CURRENT (A)	PUMP OUTLET DIAMETER	PUMP+MOTOR LENGTH (mm)	PUMP BODY OUTER DIAMETER (mm)	WEIGHT (Kg)
	(HP)	(KW)					
6013 KPS /10	+ ALK 6-10	10	7.5	17.5	1494		74
6013 KPS /14	+ ALK 6-15	15	11	25	1768	148	91
6013 KPS /20	+ ALK 6-20	20	15	32	2138		113
6013 KPS /24	+ ALK 6-25	25	18.5	42	2398		129
6013 KPS /29	+ ALK 6-30	30	22	51	2643	149	142
6013 KPS /34	+ ALK 6-40	40	30	63	2968		164
6020 KPS /7	+ ALK 6-7.5	7.5	5.5	13	1336		59
6020 KPS /10	+ ALK 6-10	10	7.5	17.5	1571		71
6020 KPS /13	+ ALK 6-12.5	12.5	9	20.5	1776		81
6020 KPS /15	+ ALK 6-15	15	11	25	1940		89
6020 KPS /18	+ ALK 6-17.5	17.5	13	29	2147		96
6020 KPS /20	+ ALK 6-20	20	15	32	2327	144	107
6020 KPS /25	+ ALK 6-25	25	18.5	42	2682		122
6020 KPS /30	+ ALK 6-30	30	22	51	2977		132
6020 KPS /34	+ ALK 6-35	35	26	56	3257		145
6020 KPS /40	+ ALK 6-40	40	30	63	3627		160
6020 KPS /44	+ ALK 6-50	50	37	80	3987		179
6030 KPS /6	+ ALK 6-7.5	7.5	5.5	13	1530		61
6030 KPS /8	+ ALK 6-10	10	7.5	17.5	1792		71
6030 KPS /11	+ ALK 6-12.5	12.5	9	20.5	2120		79
6030 KPS /13	+ ALK 6-15	15	11	25	2366		89
6030 KPS /15	+ ALK 6-17.5	17.5	13	29	2588		95
6030 KPS /17	+ ALK 6-20	20	15	32	2850	145	105
6030 KPS /21	+ ALK 6-25	25	18.5	42	3314		120
6030 KPS /26	+ ALK 6-30	30	22	51	3814		131
6030 KPS /30	+ ALK 6-35	35	26	56	4265		145
6030 KPS /35	+ ALK 6-40	40	30	63	4785		159
6030 KPS /39	+ ALK 6-50	50	37	80	5209		205
6046 KPS /4C	+ ALK 6-7.5	7.5	5.5	13	1388		59
6046 KPS /5	+ ALK 6-10	10	7.5	17.5	1587		70
6046 KPS /6	+ ALK 6-12.5	12.5	9	20.5	1740	149.7	76
6046 KPS /7	+ ALK 6-15	15	11	25	1907		85
6046 KPS /10	+ ALK 6-20	20	15	32	2652		103
6046 KPS /12	+ ALK 6-25	25	18.5	42	3011		117
6046 KPS /15	+ ALK 6-30	30	22	51	3297		128
6046 KPS /17	+ ALK 6-35	35	26	56	3676	151.3	139
6046 KPS /19	+ ALK 6-40	40	30	63	3563		149
6046 KPS /24	+ ALK 6-50	50	37	80	4970		190
6060 KPS /4	+ ALK 6-10	10	7.5	18	1474		66
6060 KPS /6	+ ALK 6-15	15	11	25	1794	149.7	82
6060 KPS /7	+ ALK 6-17.5	17.5	13	28	1937		88
6060 KPS /8	+ ALK 6-20	20	15	33	2120		97
6060 KPS /10	+ ALK 6-25	25	18.5	41	2426		110
6060 KPS /12	+ ALK 6-30	30	22	48	2672		118
6060 KPS /15	+ ALK 6-35	35	26	55	3071	151.3	133
6060 KPS /17	+ ALK 6-40	40	30	63	3337		143
6060 KPS /21	+ ALK 6-50	50	37	75	4009		168
7077 KPS /1	+ ALK 6-7.5	7.5	5.5	13	1330		66
7077 KPS /2	+ ALK 6-10	10	7.5	18	1505	181	76
7077 KPS /3	+ ALK 6-15	15	11	25	1695		87
7077 KPS /4	+ ALK 6-20	20	15	35	1915		102
7077 KPS /5	+ ALK 6-25	25	18.5	42	2130		116
7077 KPS /6	+ ALK 6-30	30	22	51	2305		126
7077 KPS /7	+ ALK 6-35	35	26	58	2540		142
7077 KPS /9	+ ALK 6-40	40	30	66	2910	185	163
7077 KPS /11	+ ALK 6-50	50	37	81	3260		184
7077 KPS /12	+ ALK 7-60	60	45	91	3167		200
7077 KPS /16	+ ALK 7-80	80	59	119	3873		247
7077 KPS /18	+ ALK 8-90	90	66	131	4110		286
7077 KPS /21	+ ALK 8-100	100	75	147	4595	191	317
7077 KPS /24	+ ALK 8-125	125	92	182	5185		368
7077 KPS /26	+ ALK 10-150	150	110	166	5314	231	445
8095 KPS /4-B	+ ALK 6-20	20	15	32	1947	188	107
8095 KPS /4	+ ALK 6-25	25	18.5	42	2027		115
8095 KPS /5	+ ALK 6-30	30	22	51	2175		121
8095 KPS /6	+ ALK 6-35	35	26	56	2636	189	132
8095 KPS /7	+ ALK 6-40	40	30	63	2531		141
8095 KPS /9	+ ALK 6-50	50	37	80	2926		161
8095 KPS /10	+ ALK 8-60	60	45	90	2900		202
8095 KPS /13	+ ALK 8-75	75	55	112	3367	191	227
8095 KPS /16	+ ALK 8-90	90	66	131	3862		257
8095 KPS /17	+ ALK 8-100	100	75	147	4060		276
8095 KPS /18	+ ALK 8-110	110	81	161	4279		296
8095 KPS /20	+ ALK 8-125	125	92	182	4645		325
8110 KPS /1	+ ALK 6-10	10	7.5	18	1440	214	78
8110 KPS /2	+ ALK 6-20	20	15	35	1745		101
8110 KPS /3	+ ALK 6-30	30	22	51	2030		122
8110 KPS /4	+ ALK 6-40	40	30	66	2400		151
8110 KPS /5	+ ALK 6-50	50	37	81	2670		169
8110 KPS /6	+ ALK 8-60	60	45	90	2575		207
8110 KPS /7	+ ALK 8-75	75	55	112	2810	218	229
8110 KPS /8	+ ALK 8-80	80	59	117	2975		238
8110 KPS /9	+ ALK 8-90	90	66	131	3230		263
8110 KPS /10	+ ALK 8-100	100	75	147	3455		285
8110 KPS /11	+ ALK 8-110	110	81	161	3700		308
8110 KPS /13	+ ALK 8-125	125	92	182	4120		342
8110 KPS /15	+ ALK 10-150	150	110	220	4299		424
8110 KPS /18	+ ALK 10-175	175	129	255	4864	231	473
8110 KPS /20	+ ALK 10-200	200	147	290	5294		510
8125 KPS /2-AA	+ ALK 6-17.5	17.5	13	29	1686		94
8125 KPS /2-A	+ ALK 6-25	25	18.5	42	1836		109
8125 KPS /3-AA	+ ALK 6-30	30	22	51	2012	209	123
8125 KPS /3	+ ALK 6-40	40	30	63	2112		135
8125 KPS /4	+ ALK 6-50	50	37	80	2408		157
8125 KPS /5-A	+ ALK 8-60	60	45	90	2412		201
8125 KPS /6-A	+ ALK 8-75	75	55	112	2648		221
8125 KPS /7	+ ALK 8-90	90	66	131	2914	220	248
8125 KPS /8	+ ALK 8-100	100	75	147	3140		268
8125 KPS /9-AA	+ ALK 8-110	110	81	161	3386		290
8125 KPS /10	+ ALK 8-125	125	92	182	3652		315
8160 KPS /1Z	+ ALK 6-12.5	12.5	9.2	21	1470		82
8160 KPS /1	+ ALK 6-17.5	17.5	13	31	1550	214	90
8160 KPS /ZZZ	+ ALK 6-25	25	18.5	42	1830		111
8160 KPS /ZZ	+ ALK 6-30	30	22	51	1875		116
8160 KPS /Z	+ ALK 6-35	35	26	58	1980		127
8160 KPS /3ZZ	+ ALK 6-40	40	30	66	2245		145
8160 KPS /3	+ ALK 8-50	50	37	76	2060		178
8160 KPS /4Z	+ ALK 8-60	60	45	90	2265	218	194
8160 KPS /5Z	+ ALK 8-75	75	55	112	2500		216
8160 KPS /5	+ ALK 8-90	90	66	131	2610		236
8160 KPS /ZZZ	+ ALK 8-100	100	75	147	2990		266
8160 KPS /8	+ ALK 8-125	125	92	182	3345		309
8160 KPS /9	+ ALK 10-150	150	110	220	3369		384
8160 KPS /11	+ ALK 10-175	175	129	255	3779	231	427
8160 KPS /12	+ ALK 10-200	200	147	290	4054		457
8160 KPS /14	+ ALK 10-225	225	165	325	4434		514
8160 KPS /16	+ ALK 10-250	250	185	355	4844		558



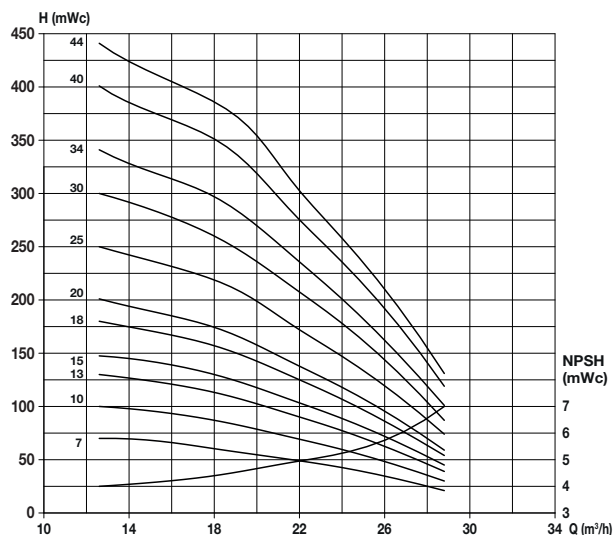
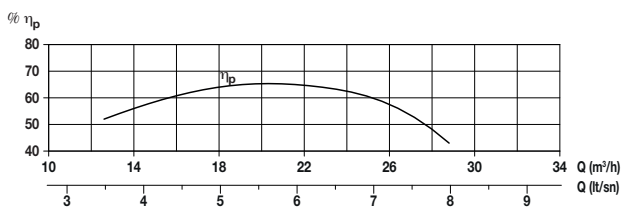
6013 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		6,1	9,0	10,8	12,6	14,4	15,5	
		NPSH	(m ³ /h)	(lt/sn)	(mWc)					
6013 KPS/9	ALK 6-7.5 kW /10 HP		130	120	113	103	87	77		
6013 KPS/10	ALK 6-7.5 kW /10 HP		145	133	125	114	97	86		
6013 KPS/12	ALK 6-11 kW /15 HP		174	160	150	137	116	103		
6013 KPS/13	ALK 6-11 kW /15 HP		188	174	163	148	126	112		
6013 KPS/14	ALK 6-11 kW /15 HP		202	187	175	159	136	120		
6013 KPS/17	ALK 6-15 kW /20 HP		246	227	213	193	165	147		
6013 KPS/20	ALK 6-15 kW /20 HP		289	267	250	226	194	172		
6013 KPS/24	ALK 6-18.5 kW /25 HP		347	321	300	271	233	207		
6013 KPS/25	ALK 6-22 kW /30 HP		362	334	313	283	243	215		
6013 KPS/27	ALK 6-22 kW /30 HP		390	361	338	305	262	233		
6013 KPS/29	ALK 6-22 kW /30 HP		419	388	363	328	282	250		
6013 KPS/34	ALK 6-30 kW /40 HP		491	455	426	384	330	293		



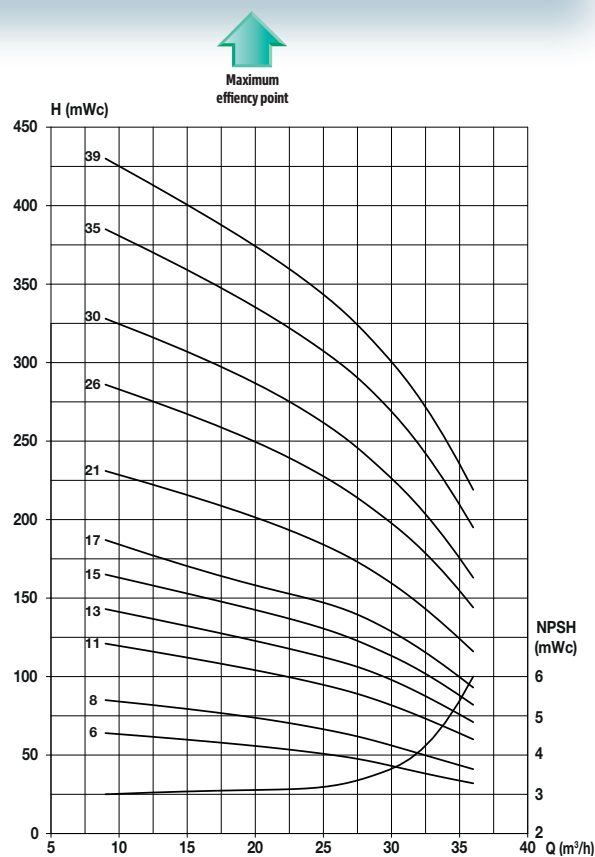
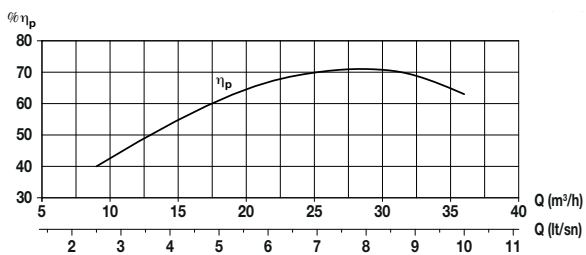
6020 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		12,6	14,4	18,0	21,6	25,2	28,8		
		NPSH	(m ³ /h)	(lt/sn)	(mWc)	(m ³ /h)	(lt/sn)	(m ³ /h)	(lt/sn)	(m ³ /h)	(lt/sn)
			(m ³ /h)	(lt/sn)	(m ³ /h)	(lt/sn)	(m ³ /h)	(lt/sn)	(m ³ /h)	(lt/sn)	
6020 KPS /7	ALK 6-5.5 kW /7.5 HP			70	69	60	50	38	21		
6020 KPS /9	ALK 6-7.5 kW /10 HP			90	88	78	64	48	27		
6020 KPS /10	ALK 6-7.5 kW /10 HP			100	97	87	71	53	30		
6020 KPS /11	ALK 6-9 kW /12.5 HP			110	107	95	78	59	33		
6020 KPS /12	ALK 6-9 kW /12.5 HP			120	116	104	85	64	36		
6020 KPS /13	ALK 6-9 kW /12.5 HP			130	126	113	92	69	39		
6020 KPS /14	ALK 6-11 kW /15 HP			140	135	122	99	74	42		
6020 KPS /15	ALK 6-11 kW /15 HP			148	144	130	106	79	45		
6020 KPS /16	ALK 6-13 kW /17.5 HP			160	154	139	114	85	48		
6020 KPS /17	ALK 6-13 kW /17.5 HP			170	164	148	121	90	51		
6020 KPS /18	ALK 6-13 kW /17.5 HP			180	173	157	128	95	54		
6020 KPS /19	ALK 6-15 kW /20 HP			190	183	166	135	100	57		
6020 KPS /20	ALK 6-15 kW /20 HP			201	192	174	142	105	59		
6020 KPS /21	ALK 6-18.5 kW /25 HP			210	202	184	149	111	63		
6020 KPS /22	ALK 6-18.5 kW /25 HP		⇒	220	211	192	156	116	66		
6020 KPS /23	ALK 6-18.5 kW /25 HP			230	221	201	163	121	68		
6020 KPS /24	ALK 6-18.5 kW /25 HP			240	230	210	170	126	71		
6020 KPS /25	ALK 6-18.5 kW /25 HP			250	240	219	177	131	74		
6020 KPS /27	ALK 6-22 kW /30 HP			271	259	236	191	142	80		
6020 KPS /28	ALK 6-22 kW /30 HP			281	268	245	199	147	83		
6020 KPS /29	ALK 6-22 kW /30 HP			291	278	254	206	152	86		
6020 KPS /30	ALK 6-22 kW /30 HP			300	289	260	213	158	88		
6020 KPS /32	ALK 6-26 kW /35 HP			321	306	281	227	168	95		
6020 KPS /34	ALK 6-26 kW /35 HP			341	325	298	241	178	101		
6020 KPS /36	ALK 6-30 kW /40 HP			361	344	316	255	189	107		
6020 KPS /38	ALK 6-30 kW /40 HP			381	363	333	269	199	113		
6020 KPS /40	ALK 6-30 kW /40 HP			401	382	351	284	210	119		
6020 KPS /42	ALK 6-37 kW /50 HP			421	401	369	298	220	125		
6020 KPS /44	ALK 6-37 kW /50 HP			441	420	386	312	230	131		



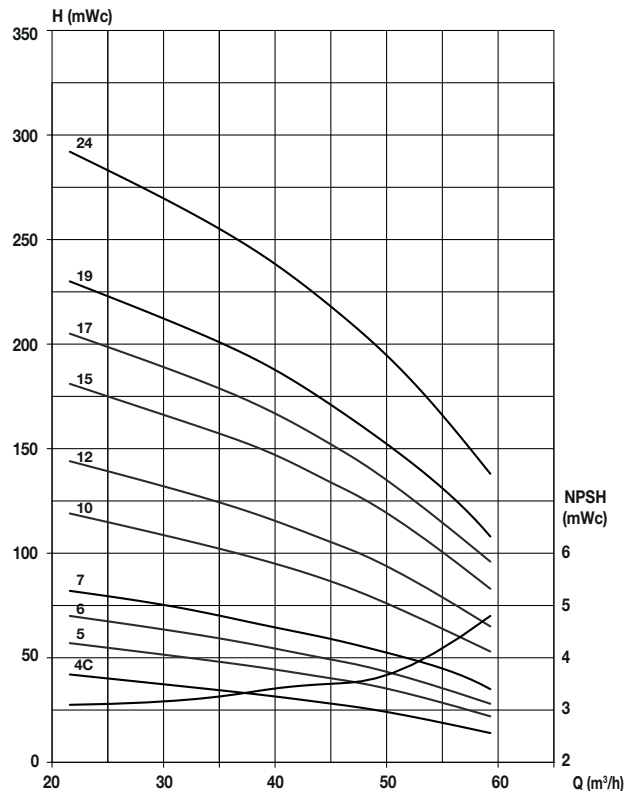
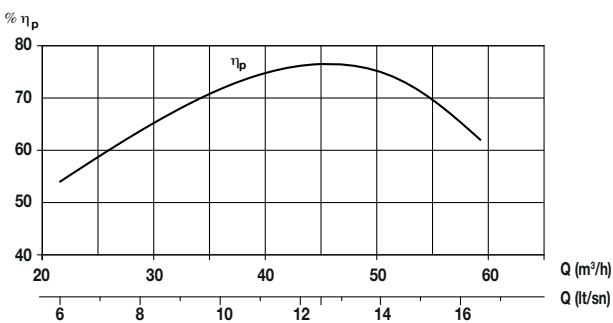
6030 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		9	18	25,2	28,8	32,4	36
		NPSH	(m ³ /h)	2,5	5,0	7,0	8,0	9,0	10,0
			(mWc)	3	3,1	3,2	3,5	4,2	6
6030 KPS /6	ALK 6-5.5 kW /7.5 HP	H (mWc) ⇨	64	58	51	46	38	32	
6030 KPS /7	ALK 6-7.5 kW /10 HP		75	68	59	54	45	37	
6030 KPS /8	ALK 6-7.5 kW /10 HP		85	76	66	59	50	41	
6030 KPS /9	ALK 6-9 kW /12.5 HP		99	88	77	70	60	48	
6030 KPS /10	ALK 6-9 kW /12.5 HP		110	97	86	78	67	54	
6030 KPS /11	ALK 6-9 kW /12.5 HP		121	108	95	86	74	60	
6030 KPS /12	ALK 6-11 kW /15 HP		128	115	100	90	77	61	
6030 KPS /13	ALK 6-11 kW /15 HP		143	127	112	102	88	71	
6030 KPS /14	ALK 6-13 kW /17.5 HP		154	137	121	110	95	77	
6030 KPS /15	ALK 6-13 kW /17.5 HP		165	147	130	118	102	82	
6030 KPS /16	ALK 6-15 kW /20 HP		176	157	135	122	106	85	
6030 KPS /17	ALK 6-15 kW /20 HP		187	167	147	134	116	93	
6030 KPS /18	ALK 6-18.5 kW /25 HP		198	177	156	142	123	99	
6030 KPS /19	ALK 6-18.5 kW /25 HP		209	187	165	150	130	105	
6030 KPS /20	ALK 6-18.5 kW /25 HP		222	198	174	159	138	112	
6030 KPS /21	ALK 6-18.5 kW /25 HP		231	207	183	166	144	116	
6030 KPS /22	ALK 6-22 kW /30 HP		242	217	192	174	151	122	
6030 KPS /23	ALK 6-22 kW /30 HP		248	220	195	178	155	124	
6030 KPS /24	ALK 6-22 kW /30 HP		264	236	209	190	165	133	
6030 KPS /26	ALK 6-22 kW /30 HP		286	256	227	206	179	144	
6030 KPS /28	ALK 6-26 kW /35 HP		308	276	244	222	193	155	
6030 KPS /30	ALK 6-26 kW /35 HP		328	295	261	236	204	163	
6030 KPS /32	ALK 6-30 kW /40 HP		352	316	280	254	222	178	
6030 KPS /35	ALK 6-30 kW /40 HP		385	345	306	279	243	195	
6030 KPS /39	ALK 6-37 kW /50 HP		430	385	342	312	273	219	



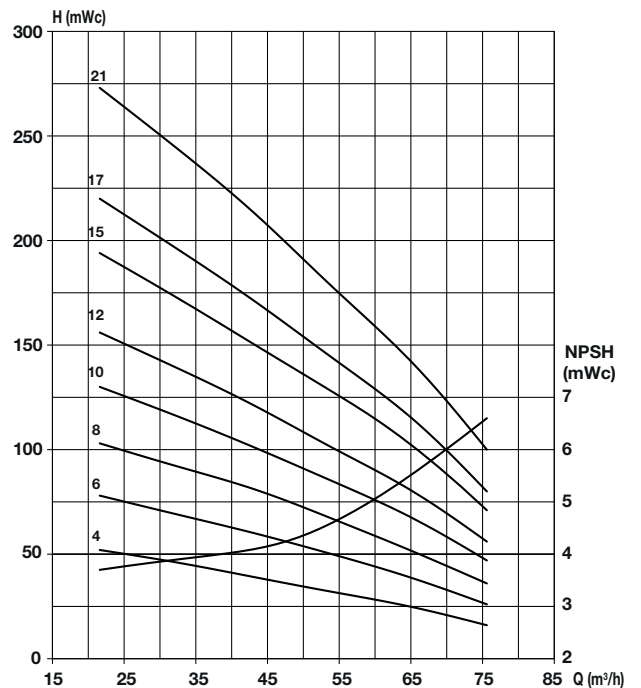
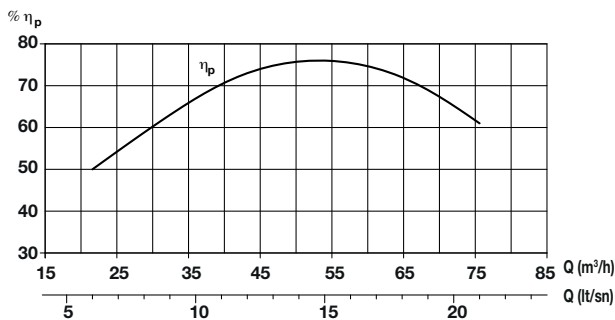
6046 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		21,6	32,4	39,6	45	50,4	59,4
		NPSH	(mWc)	(m ³ /h)	(lt/sn)	(mWc)	(mWc)	(mWc)	(mWc)
				(m ³ /h)	(lt/sn)	(mWc)	(mWc)	(mWc)	
6046 KPS /4-C	ALK 6-5.5 kW /7.5 HP	H (mWc)	⇒	42	36	32	28	24	14
6046 KPS /5	ALK 6-7.5 kW /10 HP			57	50	45	40	35	22
6046 KPS /6	ALK 6-9 kW /12.5 HP			70	62	55	49	43	28
6046 KPS /7	ALK 6-11 kW /15 HP			82	73	65	59	52	35
6046 KPS /8	ALK 6-15 kW /20 HP			95	86	77	70	62	42
6046 KPS /9	ALK 6-15 kW /20 HP			107	95	86	77	68	47
6046 KPS /10	ALK 6-15 kW /20 HP			119	106	96	87	76	53
6046 KPS /11	ALK 6-18.5 kW /25 HP			131	118	106	96	85	59
6046 KPS /12	ALK 6-18.5 kW /25 HP			144	129	117	105	93	65
6046 KPS /13	ALK 6-22 kW /30 HP			156	140	127	115	101	71
6046 KPS /14	ALK 6-22 kW /30 HP			167	150	136	123	109	76
6046 KPS /15	ALK 6-22 kW /30 HP			181	162	148	133	118	83
6046 KPS /17	ALK 6-26 kW /35 HP			205	185	168	152	134	96
6046 KPS /19	ALK 6-30 kW /40 HP			230	207	189	171	151	108
6046 KPS /21	ALK 6-37 kW /50 HP			255	230	209	190	168	120
6046 KPS /23	ALK 6-37 kW /50 HP			280	252	230	208	184	132
6046 KPS /24	ALK 6-37 kW /50 HP			292	263	240	218	193	138



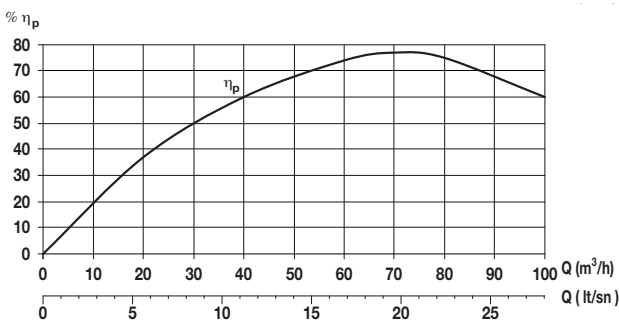
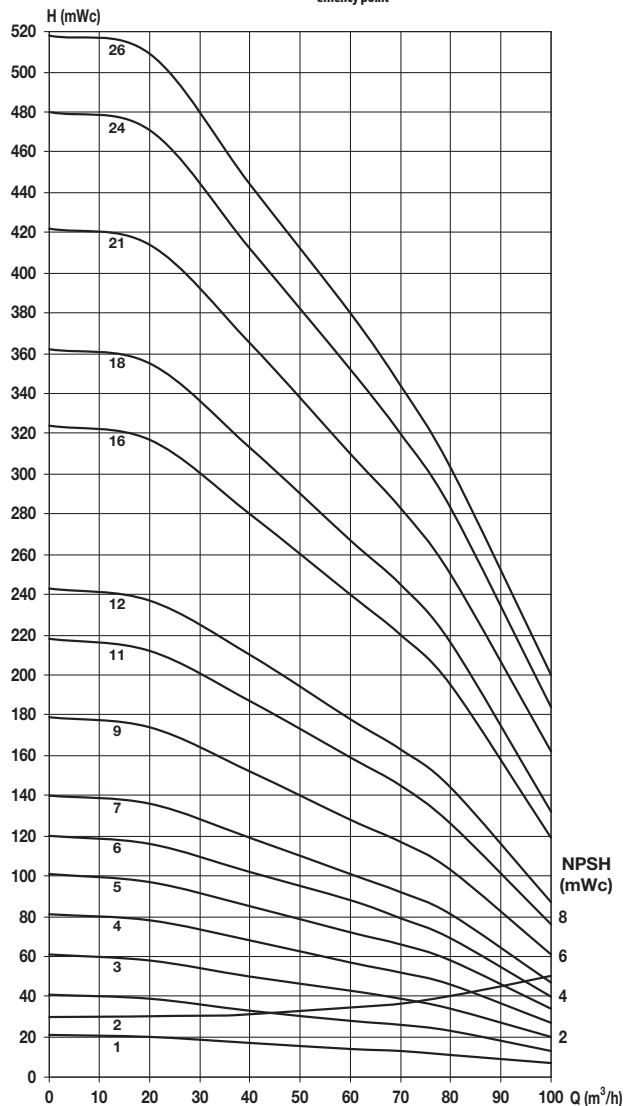
6060 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		21,6	32,4	43,2	54	64,8	75,6	
		NPSH	(mWc)	(m ³ /h)	(lt/sn)	(mWc)	(mWc)	(mWc)	(mWc)	(mWc)
				(m ³ /h)	(lt/sn)	(mWc)	(mWc)	(mWc)	(mWc)	
6060 KPS / 4	ALK 6-7,5 kW /10 HP			52	46	39	32	25	16	
6060 KPS / 6	ALK 6-11 kW /15 HP			78	69	60	50	39	26	
6060 KPS / 8	ALK 6-15 kW /20 HP			103	92	81	67	52	36	
6060 KPS / 10	ALK 6-18,5 kW /25 HP			130	116	101	85	68	47	
6060 KPS / 12	ALK 6-22 kW /30 HP			156	139	121	101	81	56	
6060 KPS / 14	ALK 6-26 kW /35 HP			183	163	142	120	96	67	
6060 KPS / 15	ALK 6-26 kW /35 HP		⇒	194	173	150	128	103	71	
6060 KPS / 16	ALK 6-30 kW /40 HP			209	186	163	137	110	77	
6060 KPS / 17	ALK 6-30 kW /40 HP			220	196	171	144	116	80	
6060 KPS / 19	ALK 6-37 kW /50 HP			248	222	193	163	132	92	
6060 KPS / 20	ALK 6-37 kW /50 HP			261	233	204	172	139	97	
6060 KPS / 21	ALK 6-37 kW /50 HP			273	244	213	178	143	100	



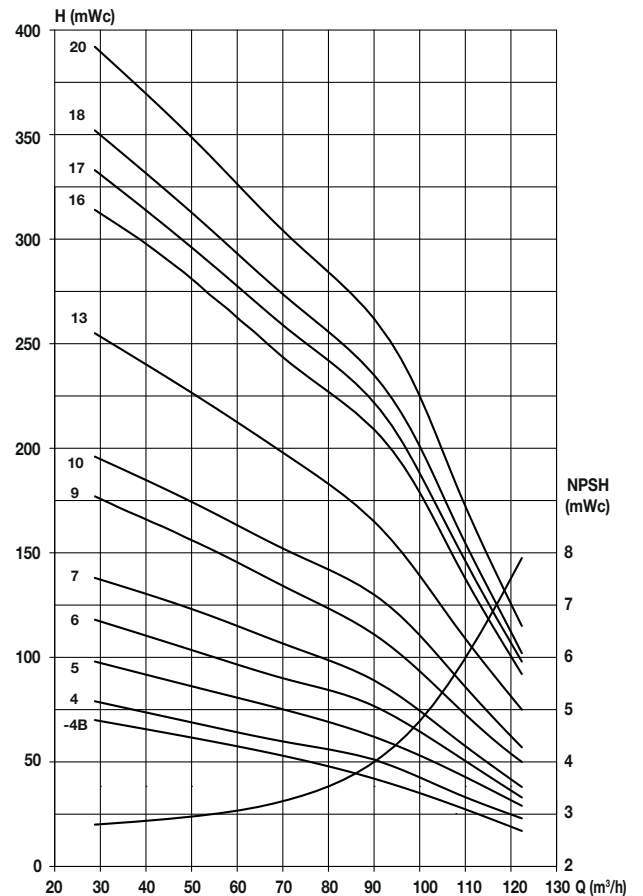
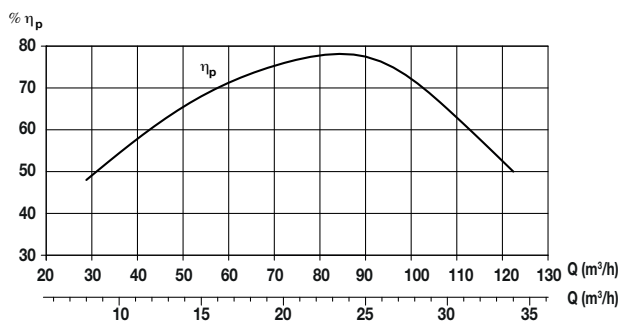
7077 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		0	20	40	60	70	80	100
		(m ³ /h)	(lt/sn)	6,0	9,0	12,0	16,7	19,4	22,2	27,8
		NPSH	(mWc)	3,7	3,9	4,1	3,5	3,6	4,0	5,0
7077 KPS / 1	ALK 6-5,5 kW Y	H (mWc)	⇒	21	20	17	14	13	11	7
7077 KPS / 2	ALK 6-7,5 kW Y			41	39	33	28	26	23	13
7077 KPS / 3	ALK 6-11 kW Y			61	58	50	43	39	34	20
7077 KPS / 4	ALK 6-15 kW Ü			81	78	68	57	52	46	27
7077 KPS / 5	ALK 6-18,5 kW Y/Ü			101	97	85	72	66	58	34
7077 KPS / 6	ALK 6-22 kW Y/Ü			120	116	102	88	79	69	40
7077 KPS / 7	ALK 6-26 kW Y/Ü			140	136	119	101	92	81	47
7077 KPS / 9	ALK 6-30 kW Y/Ü			179	174	152	128	117	103	61
7077 KPS / 11	ALK 6-37 kW Y/Ü			218	212	187	159	145	126	76
7077 KPS / 12	ALK 7-45 kW Y/Ü			243	237	210	178	163	144	87
7077 KPS / 16	ALK 7-59 kW Y/Ü			324	317	280	240	220	195	119
7077 KPS / 18	ALK 8-66 kW Y/Ü			362	355	313	267	245	216	132
7077 KPS / 21	ALK 8-75 kW Y/Ü			422	414	365	310	283	250	162
7077 KPS / 24	ALK 8-92 kW Y/Ü			480	471	412	352	320	283	184
7077 KPS / 26	ALK 10-110 kW Y/Ü			518	509	444	380	344	303	200



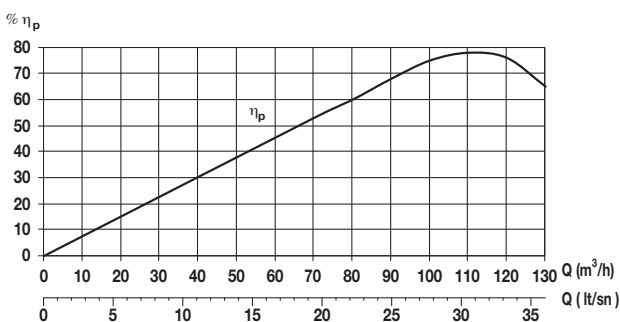
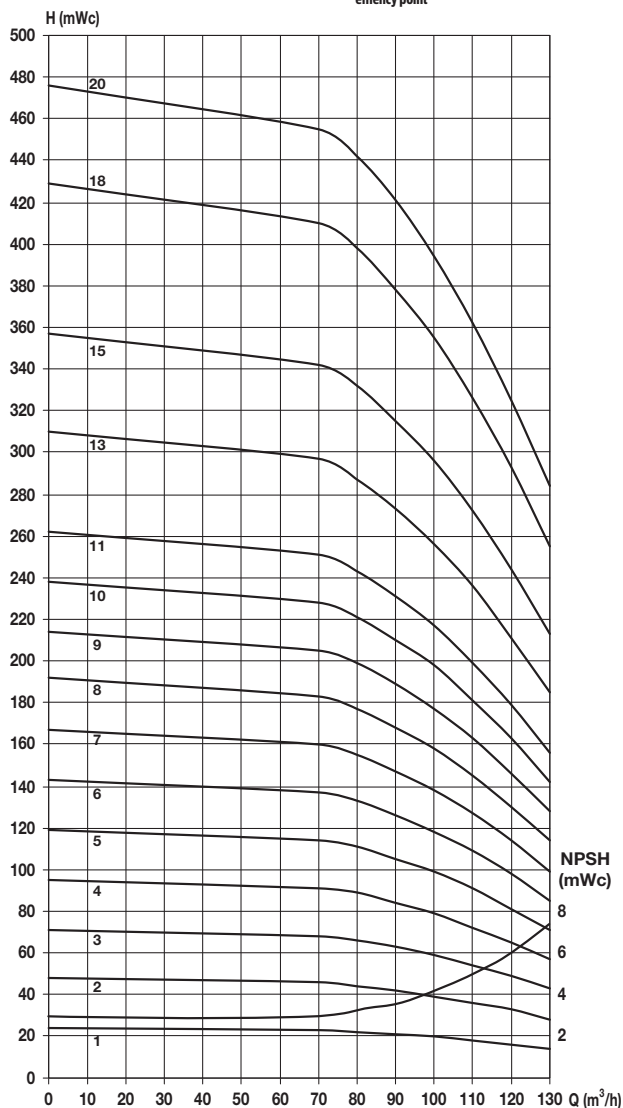
8095 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		28,8	54	72	90	108	122,4
		NPSH	(m ³ /h)	8,0	15,0	20,0	25,0	30,0	34,0
			(lt/sn)	(mWc)	2,8	3	3,3	4,0	5,7
8095 KPS / 04-B	ALK 6-15 kW /20 HP	H (mWc)	⇒	70	60	52	42	29	17
8095 KPS / 04	ALK 6-18.5 kW /25 HP			79	67	59	51	35	23
8095 KPS / 05	ALK 6-22 kW /30 HP			98	84	74	62	45	29
8095 KPS / 06	ALK 6-26 kW /35 HP			118	101	89	77	53	33
8095 KPS / 07	ALK 6-30 kW /40 HP			138	120	105	89	61	38
8095 KPS / 08	ALK 6-37 kW /50 HP			157	135	119	104	72	46
8095 KPS / 09	ALK 6-37 kW /50 HP			177	152	132	111	77	50
8095 KPS / 10	ALK 8-45 kW /60 HP			196	170	150	130	91	57
8095 KPS / 11	ALK 8-55 kW /75 HP			216	187	165	144	100	63
8095 KPS / 12	ALK 8-55 kW /75 HP			237	205	180	158	110	72
8095 KPS / 13	ALK 8-55 kW /75 HP			255	221	195	165	115	75
8095 KPS / 14	ALK 8-66 kW /90 HP			275	238	210	183	128	80
8095 KPS / 15	ALK 8-66 kW /90 HP			294	255	225	196	137	86
8095 KPS / 16	ALK 8-66 kW /90 HP			314	272	240	209	146	92
8095 KPS / 17	ALK 8-75 kW /100 HP			333	289	255	223	155	98
8095 KPS / 18	ALK 8-81 kW /110 HP			352	305	270	235	164	102
8095 KPS / 19	ALK 8-92 kW /125 HP			373	323	285	249	174	109
8095 KPS / 20	ALK 8-92 kW /125 HP			392	340	300	262	183	115



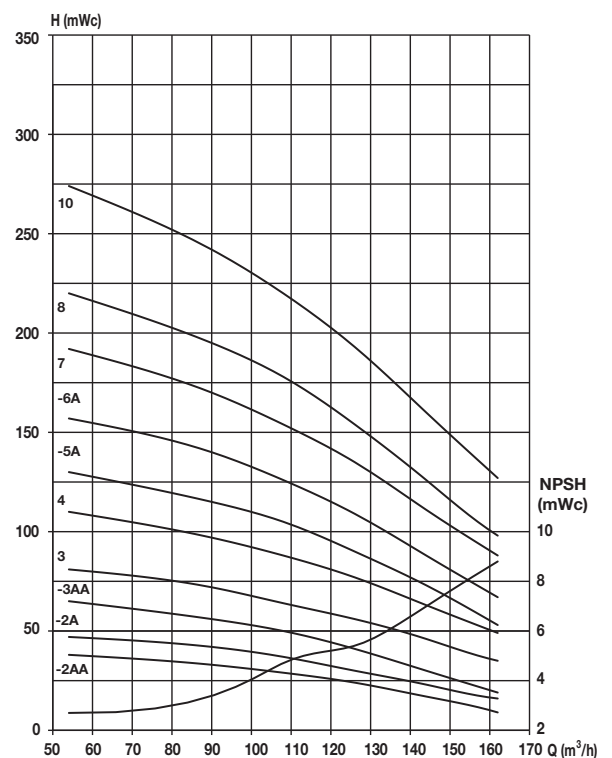
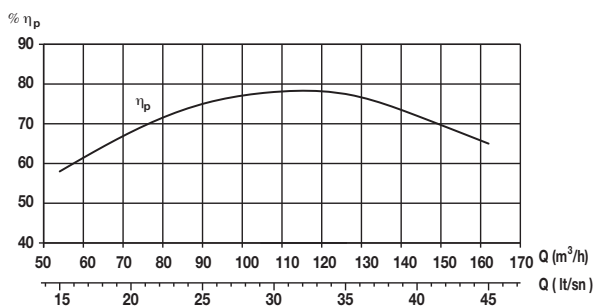
8110 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		0	70	80	90	100	110	120	130
		(m ³ /h)	(lt/sn)	0	19,4	22,2	25,0	27,8	30,6	33,3	36,1
		NPSH	(mWc)	3,0	3,0	3,3	3,6	4,2	5,0	6,0	7,4
8110 KPS / 1	ALK 6-7,5kW Y	H (mWc)	⇔	24	23	22	21	20	18	16	14
8110 KPS / 2	ALK 6-15kW Ü			48	46	44	42	39	36	33	28
8110 KPS / 3	ALK 6-22kW Y/Ü			71	68	66	63	59	54	49	43
8110 KPS / 4	ALK 6-30kW Y/Ü			95	91	89	84	79	72	65	57
8110 KPS / 5	ALK 6-37kW Y/Ü			119	114	111	105	99	91	81	71
8110 KPS / 6	ALK 8-45 kW Y/Ü			143	137	133	126	118	109	98	85
8110 KPS / 7	ALK 8-55 kW Y/Ü			167	160	155	147	138	127	114	99
8110 KPS / 8	ALK 8-59 kW Y/Ü			192	183	177	168	158	145	130	114
8110 KPS / 9	ALK 8-66 kW Y/Ü			214	205	199	189	177	163	146	128
8110 KPS / 10	ALK 8-75 kW Y/Ü			238	228	221	210	198	181	163	142
8110 KPS / 11	ALK 8-81 kW Y/Ü			262	251	243	231	217	199	179	156
8110 KPS / 13	ALK 8-92 kW Y/Ü			310	297	287	273	256	236	211	185
8110 KPS / 15	ALK 10-110 kW Y/Ü			357	342	332	315	296	272	244	213
8110 KPS / 18	ALK 10-129 kW Y/Ü			429	410	398	378	355	326	293	255
8110 KPS / 20	ALK 10-147 kW Y/Ü			476	455	442	421	394	362	325	284



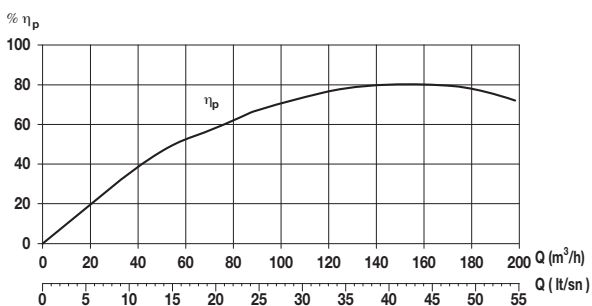
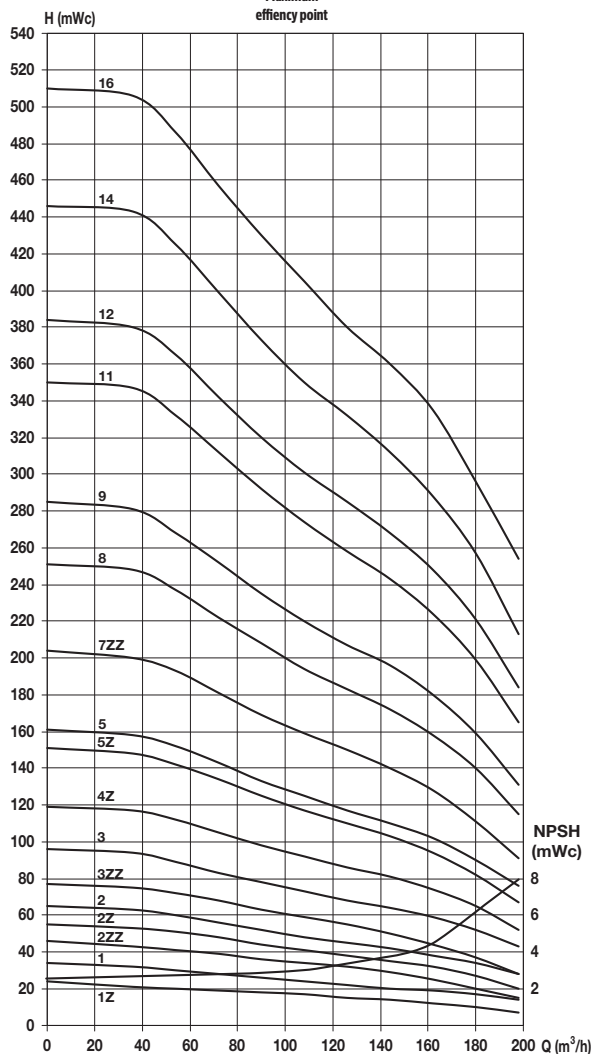
8125 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		6,1	9,0	10,8	12,6	14,4	15,5
		NPSH	(m ³ /h)	1,7	2,5	3	3,5	4	4,3
			(lt/sn)	3,2	3,5	3,6	4,3	5,5	6,4
6013 KPS/9	ALK 6-7,5 kW /10 HP	⇨	130	120	113	103	87	77	
6013 KPS/10	ALK 6-7,5 kW /10 HP		145	133	125	114	97	86	
6013 KPS/12	ALK 6-11 kW /15 HP		174	160	150	137	116	103	
6013 KPS/13	ALK 6-11 kW /15 HP		188	174	163	148	126	112	
6013 KPS/14	ALK 6-11 kW /15 HP		202	187	175	159	136	120	
6013 KPS/17	ALK 6-15 kW /20 HP		246	227	213	193	165	147	
6013 KPS/20	ALK 6-15 kW /20 HP		289	267	250	226	194	172	
6013 KPS/24	ALK 6-18,5 kW /25 HP		347	321	300	271	233	207	
6013 KPS/25	ALK 6-22 kW /30 HP		362	334	313	283	243	215	
6013 KPS/27	ALK 6-22 kW /30 HP		390	361	338	305	262	233	
6013 KPS/29	ALK 6-22 kW /30 HP		419	388	363	328	282	250	
6013 KPS/34	ALK 6-30 kW /40 HP		491	455	426	384	330	293	

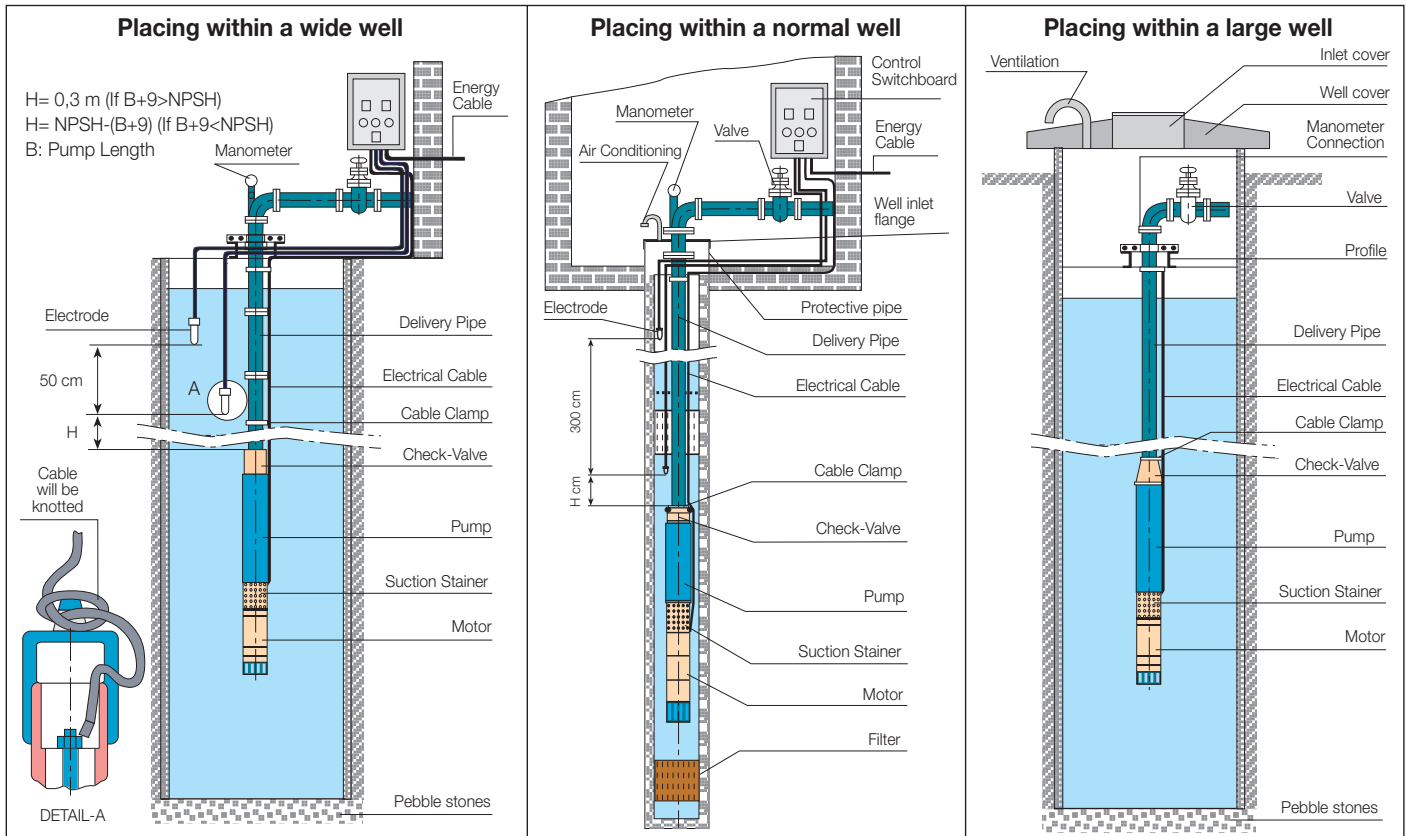


8160 KPS

PUMP TYPE	MOTOR TYPE kW/HP	FLOW		H (mWc)													
		NPSH	(m³/h)	0	36	54	72	90	108	126	144	162	180	198			
			(lt/sn)	0	10	15	20	25	30	35	40	45	50	55			
8160 KPS / 1Z	ALK6-9.2kW Y		2.6	2.6	2.6	2.8	2.9	3.0	3.4	3.8	4.6	6.3	8.0				
8160 KPS / 1	ALK6-13kW Y		24	21	20	19	18	17	15	14	12	10	7				
8160 KPS / 2ZZ	ALK6-18.5kW Y/Ü		34	32	30	28	26	24	22	20	19	17	14				
8160 KPS / 2Z	ALK6-22kW Y/Ü		46	43	41	39	36	34	32	29	25	20	15				
8160 KPS / 2	ALK6-26kW Y/Ü		55	53	51	48	44	41	38	35	32	27	20				
8160 KPS / 3ZZ	ALK6-30kW Y/Ü		65	63	60	56	52	48	45	42	38	34	28				
8160 KPS / 3	ALK8-37 kW Y/Ü		77	75	72	68	63	59	55	50	44	37	28				
8160 KPS / 4Z	ALK8-45 kW Y/Ü		96	94	89	83	78	73	68	64	59	52	43				
8160 KPS / 5Z	ALK8-55 kW Y/Ü		119	117	112	105	98	92	86	81	74	65	52				
8160 KPS / 5	ALK8-66 kW Y/Ü		151	148	142	134	125	117	110	103	94	82	67				
8160 KPS / 7ZZ	ALK8-75 kW Y/Ü		161	158	152	143	133	125	117	110	102	90	76				
8160 KPS / 8	ALK8-92 kW Y/Ü		204	200	193	181	169	159	150	140	128	111	91				
8160 KPS / 9	ALK10-110 kW Y/Ü		251	248	237	222	208	194	183	172	158	140	115				
8160 KPS / 11	ALK10-129 kW Y/Ü		285	281	268	252	235	220	207	196	180	159	131				
8160 KPS / 12	ALK10-147 kW Y/Ü		350	347	332	312	292	274	258	243	224	199	165				
8160 KPS / 14	ALK10-165 kW Y/Ü		384	380	365	342	320	301	285	268	248	221	184				
8160 KPS / 16	ALK10-185 kW Y/Ü		446	443	425	399	373	350	332	312	288	257	213				
8160 KPS / 16	ALK10-185 kW Y/Ü		510	506	486	457	430	405	380	360	335	296	254				

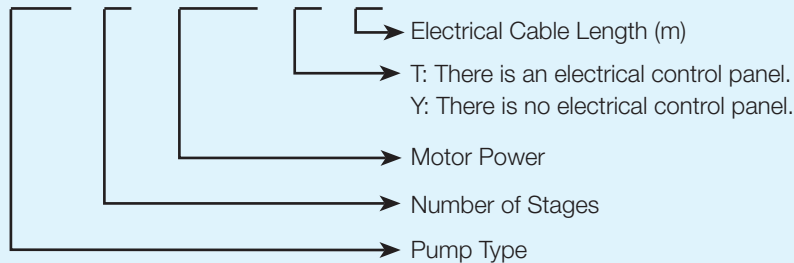


APPLICATION METHODS



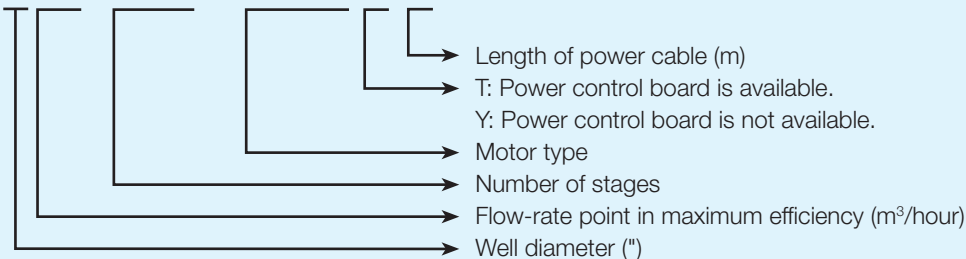
4" DMD-P SERIES - ORDER NOTATION

4 SD / SDM 4 / 13 + 1.5HP - T. 30



AL 6" - 8" KPS SERIES - ORDER NOTATION

6 046 / 15KPS + AL6 - 30 -T. 60



The right to amend specifications under technologic developments is reserved



**ALARKO CARRIER
SANAYİ VE TİCARET A.Ş.**

GOSB-Gebze Organize Sanayi Bölgesi
Şahabettin Bilgisu Cad. 41480 Gebze-Kocaeli/TURKEY
Phone : (90)(262) 648 60 00 PBX
Telefax : (90)(262) 648 61 01
web : www.alarko-carrier.com.tr
e-mail : info@alarko-carrier.com.tr

