

## 6" MULTISTAGE SUBMERSIBLE PUMPS COMPLETE WITH MOTOR



The SA submerged pumps consist of a multistage pumping unit directly connected to a submersible motor. Especially suitable for pumping from deep 6" (150mm) Ø wells. Flow rate up to 1100 l/min.

### • INTEGRATED CHECK VALVE

#### Motor

- 6" Franklin submersible motor
- Special resin impregnated sealed stator
- Water-cooled thrust bearings and bushes
- Approx. 1.5 m extendible power supply cable
- Non-polluting water cooling
- 6" NEMA flange
- Level of protection IP68. Class F insulation
- Speed of rotation 2850 rpm
- Special mechanical seal with sand guard
- Pressure compensation diaphragm
- Suitable for continuous use
- Electrical control panel on request
- Direction of rotation anticlockwise (seen from the delivery end)

#### Applications

- Civil and industrial supply systems
- Overhead or surface irrigation
- Boosting
- Firefighting
- Various civil and industrial applications
- Mains water supply systems
- Heat pumps

#### Usage limitations

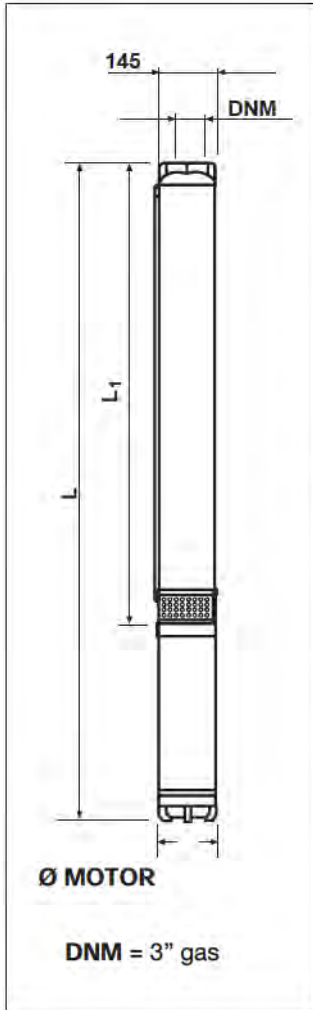
- Type of liquid: clean non-aggressive, non-explosive, free of solids
- Maximum liquid temperature 30° C
- Max. start-ups per hour: 15
- Motor protection with thermal relay provided by the user
- Maximum quantity of sand present: 40 g/m<sup>3</sup>

#### DESIGN FEATURES

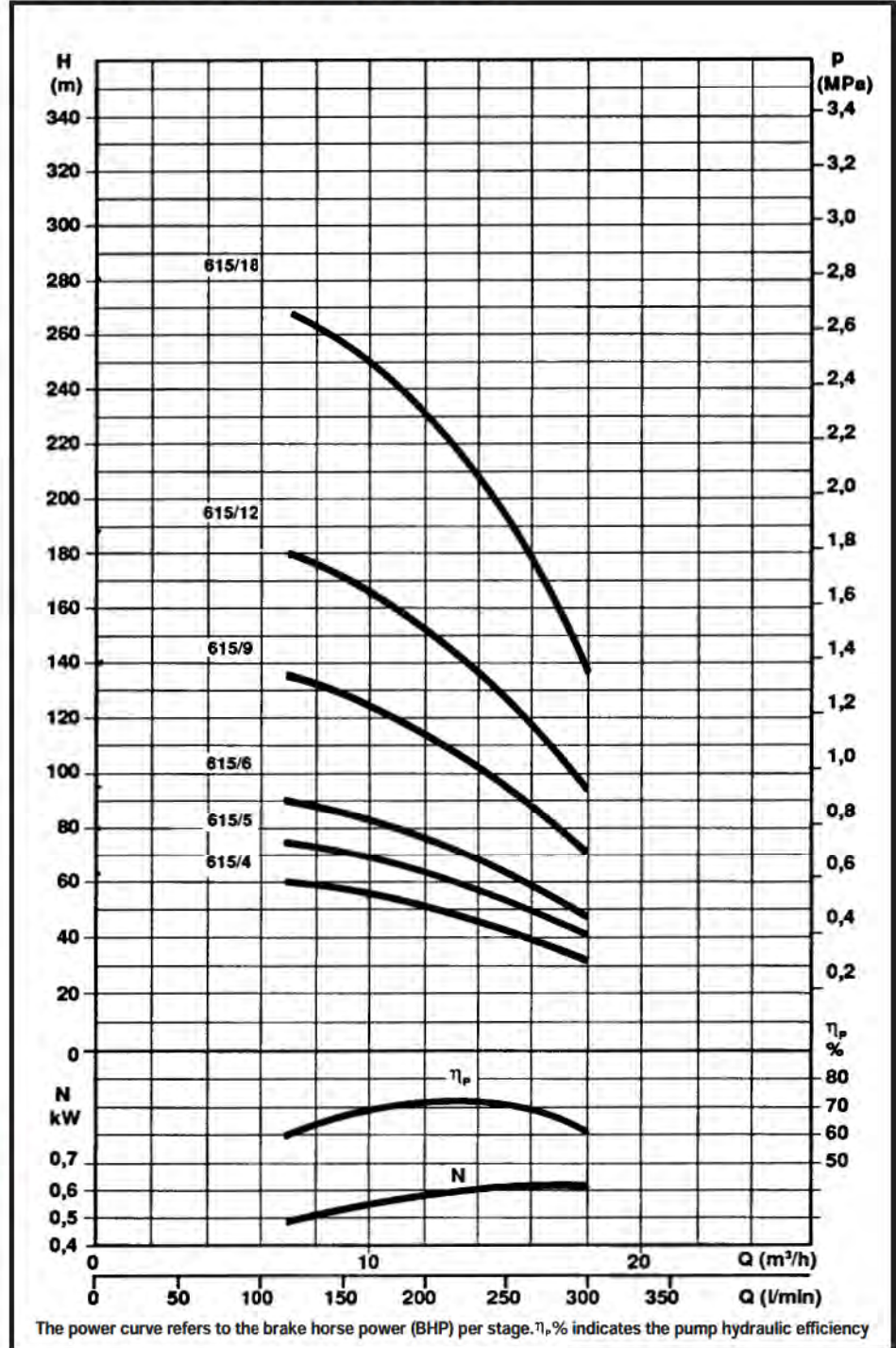
Component	Material
Outlet	EN GJS 400 (GS400) Nodular cast iron
Suction flange	EN GJS 400 (GS400) Nodular cast iron
Outer liner	Stainless steel
Cable protection filter and trough	Stainless steel
Shaft	Stainless steel
Impeller	Technopolymer/Polycarbonate. SA 615 - SA 625: radial impellers SA 630 - SA 650: semiaxial impellers
Diffuser	Noryl GNF 2V
Wear rings	Stainless steel
Bush bearings	Bronze/rubber



**TABLE OF HYDRAULIC PERFORMANCE**



Model	Pump casing L <sub>1</sub> (mm)	Ø Motor (mm)	Electric pump L (mm)	Weight (kg)
SA 615/4	435	87	791	22
SA 615/5	478	87	901	27
SA 615/6	511	87	1056	30
SA 615/9	625	87	1329	41
SA 615/12	738	137	1384	58
SA 615/18	966	137	1677	67



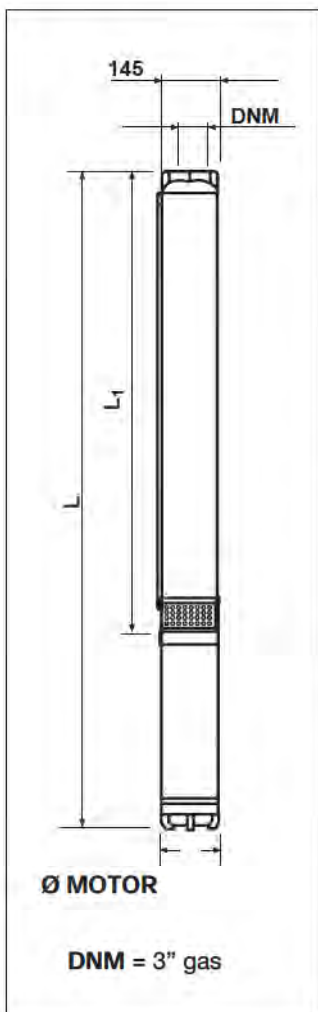
**PUMP PERFORMANCE**

CODE	MODEL	N. Stages	Motor Power		VOLTAGE	Amp.	Q	Discharge head in meters						
			HP	kW				0	120	160	200	230	260	300
							L/1' m³/h	0	7,2	9,6	12	13,8	15,6	18
D8760KKK	SA 615/4*	4	3	2,2	3 ~ 400 V	5,9	Discharge head in meters	62	60	55	51	46	39	31
D8761KKK	SA 615/5*	5	4	3	3 ~ 400 V	7,8		78	74	69	63	57	49	39
D8762KKK	SA 615/6*	6	5,5	4,0	3 ~ 400 V	10		94	89	82	75	68	58	46
D8763KKK	SA 615/9*	9	7,5	5,5	3 ~ 400 V	13,7		140	134	123	113	101	88	70
D8764KKK	SA 615/12	12	10	7,5	3 ~ 400 V	16		187	179	166	152	136	118	92
D8765KKK	SA 615/18	18	15	11	3 ~ 400 V	23,3		281	268	250	231	210	180	138

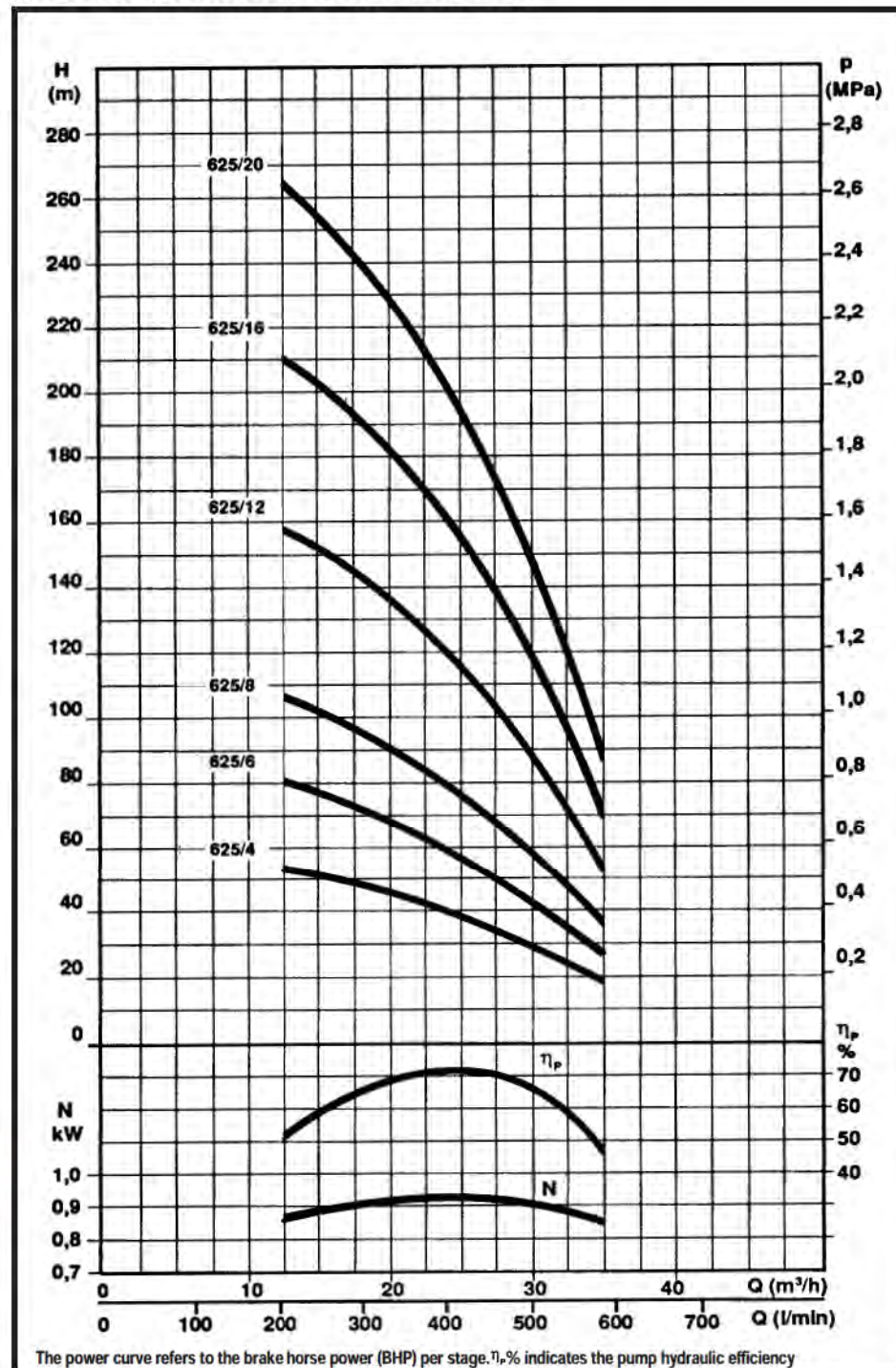
\* WITH 4" MOTOR



## TABLE OF HYDRAULIC PERFORMANCE



Model	Pump casing L <sub>1</sub> (mm)	Ø Motor (mm)	Electric pump L (mm)	Weight (kg)
SA 625/4	511	87	1056	30
SA 625/6	625	87	1329	41
SA 625/8	738	137	1384	57
SA 625/12	966	137	1677	66
SA 625/16	1193	137	1969	75
SA 625/20	1474	137	2316	86

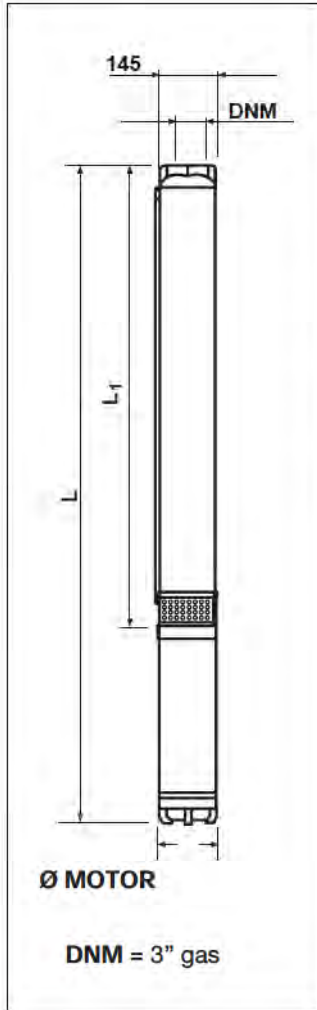


## PUMP PERFORMANCE

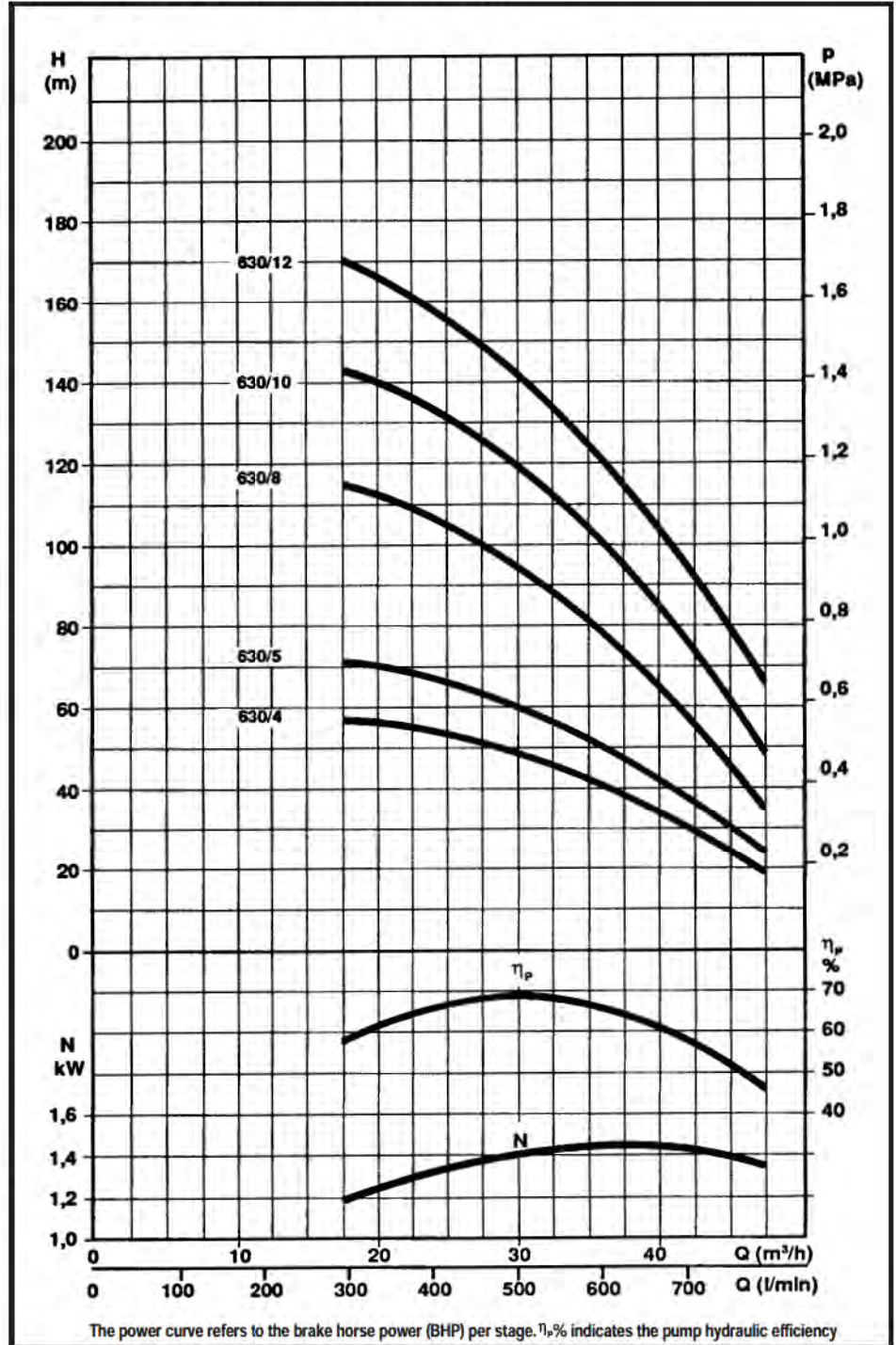
CODE	MODEL	N. Stages	Motor power		VOLTAGE	Amp.	Q	Discharge head in meters						
			HP	kW				0	200	300	350	400	500	600
D8771KKK	SA 625/4*	4	5,5	4,0	3 ~ 400 V	10	L/1' 0	0	12	18	21	24	30	34
D8772KKK	SA 625/6*	6	7,5	5,5	3 ~ 400 V	13,7	0	61	53	48	44	40	28	17
D8773KKK	SA 625/8	8	10	7,5	3 ~ 400 V	16	200	91	80	71	66	59	43	25
D8774KKK	SA 625/12	12	15	11	3 ~ 400 V	23,3	300	122	106	95	87	79	58	34
D8775KKK	SA 625/16	16	20	15	3 ~ 400 V	31,3	350	182	159	143	131	119	88	50
D8776KKK	SA 625/20	20	25	18,5	3 ~ 400 V	38,5	400	243	212	190	177	159	118	67
							500	304	265	238	220	198	146	84
							600							

\* WITH 4" MOTOR

## TABLE OF HYDRAULIC PERFORMANCE



Model	Pump casing L <sub>1</sub> (mm)	Ø Motor (mm)	Electric pump L (mm)	Weight (kg)
SA 630/4	522	87	1226	39
SA 630/5	582	137	1228	54
SA 630/8	762	137	1473	62
SA 630/10	882	137	1658	70
SA 630/12	1002	137	1844	78



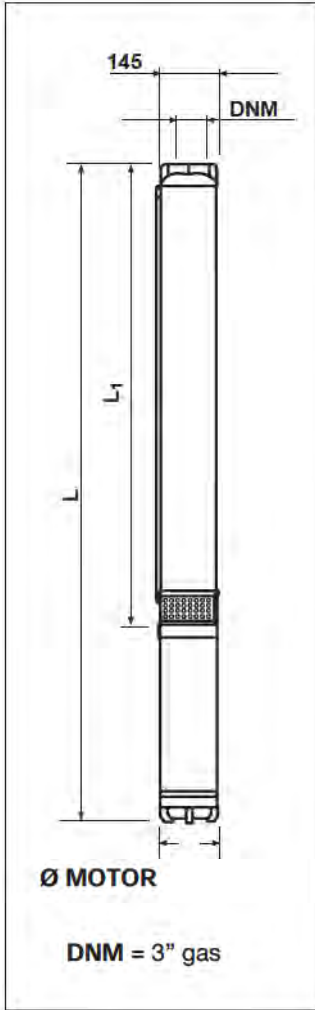
## PUMP PERFORMANCE

CODE	MODEL	N. Stages	Motor power		VOLTAGE	Amp.	Q	Discharge head in meters												
			HP	kW				0	300	400	500	600	700	800						
D8782KKK	SA 630/4*	4	7,5	5,5	3 ~ 400 V	13,7	0	18	24	30	36	42	48	63	57	53	47	40	30	19
D8783KKK	SA 630/5	5	10	7,5	3 ~ 400 V	16	0	18	24	30	36	42	48	78	72	67	59	50	37	23
D8784KKK	SA 630/8	8	15	11	3 ~ 400 V	23,3	0	18	24	30	36	42	48	126	114	106	94	80	62	37
D8785KKK	SA 630/10	10	20	15	3 ~ 400 V	31,3	0	18	24	30	36	42	48	157	143	133	119	101	76	45
D8786KKK	SA 630/12	12	25	18,5	3 ~ 400 V	38,5	0	18	24	30	36	42	48	188	171	160	143	122	92	55

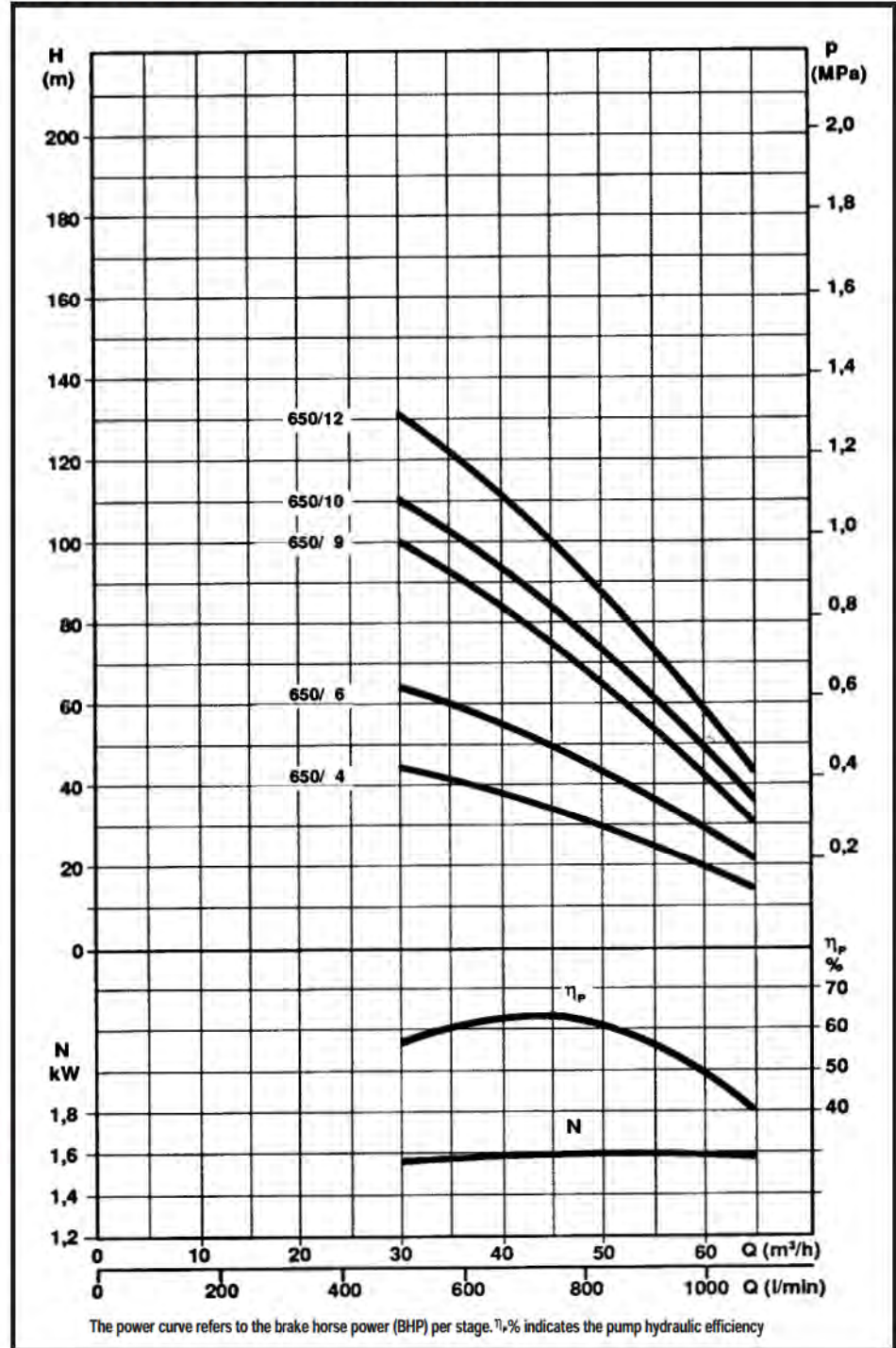
\* WITH 4" MOTOR



## TABLE OF HYDRAULIC PERFORMANCE



Model	Pump casing L <sub>1</sub> (mm)	Ø Motor (mm)	Electric pump L (mm)	Weight (kg)
SA 650/4	522	137	1168	53
SA 650/6	642	137	1353	61
SA 650/9	822	137	1598	69
SA 650/10	882	137	1724	76
SA 650/12	1002	137	1909	84



## PUMP PERFORMANCE

CODE	MODEL	N. Stages	Motor power		VOLTAGE	Amp.	Q	Discharge head in meters						
			HP	kW				L/1'	0	600	700	800	900	1000
D8792KKK	SA 650/4	4	10	7,5	3 ~ 400 V	16	0	0	36	42	48	54	60	66
D8793KKK	SA 650/6	6	15	11	3 ~ 400 V	23,3	54	40	35	31	25	19	13	
D8794KKK	SA 650/9	9	20	15	3 ~ 400 V	31,3	81	59	53	46	37	29	20	
D8795KKK	SA 650/10	10	25	18,5	3 ~ 400 V	38,5	122	90	80	68	57	44	30	
D8796KKK	SA 650/12	12	30	22	3 ~ 400 V	45,3	135	101	90	77	63	49	33	
							162	120	107	93	75	59	40	

## 6" SUBMERSIBLE PUMPS



CODE	MODEL	Ql/1'	0	120	160	200	230	260	300	NECESSARY MOTOR
N1051300	SA 615/4 *	Discharge head in meters	62	60	55	51	46	39	31	HP 3
N1051310	SA 615/5 *		78	74	69	63	57	49	39	HP 4
N1051320	SA 615/6 *		94	89	82	75	68	58	46	HP 5,5
N1051330	SA 615/9 *		140	134	123	113	101	88	70	HP 7,5
N1051340	SA 615/12		187	179	166	152	136	118	92	HP 10
N1051350	SA 615/18		281	268	250	231	210	180	138	HP 15
CODE	MODEL	Ql/1'	0	200	300	350	400	500	600	NECESSARY MOTOR
N1051360	SA 625/4 *	Discharge head in meters	61	53	48	44	40	28	17	HP 5,5
N1051370	SA 625/6 *		91	80	71	66	59	43	25	HP 7,5
N1051380	SA 625/8		122	106	95	87	79	58	31	HP 10
N1051390	SA 625/12		182	159	143	131	119	88	50	HP 15
N1051400	SA 625/16		243	212	190	177	159	118	67	HP 20
N1051410	SA 625/20		304	265	238	220	198	146	84	HP 25
CODE	MODEL	Ql/1'	0	300	400	500	600	700	800	NECESSARY MOTOR
N1051420	SA 630/4 *	Discharge head in meters	63	57	53	47	40	30	19	HP 7,5
N1051430	SA 630/5		78	72	67	59	50	37	23	HP 10
N1051440	SA 630/8		126	114	106	94	80	62	37	HP 15
N1051450	SA 630/10		157	143	133	119	101	76	45	HP 20
N1051460	SA 630/12		188	171	160	143	122	92	55	HP 25
CODE	MODEL		Ql/1'	0	600	700	800	900	1000	1100
N1051470	SA 650/4	Discharge head in meters	54	40	35	31	25	19	13	HP 10
N1051480	SA 650/6		81	59	53	46	37	29	20	HP 15
N1051490	SA 650/9		122	90	80	68	57	44	30	HP 20
N1051500	SA 650/10		135	101	90	77	63	49	33	HP 25
N1051510	SA 650/12		162	120	107	93	75	59	40	HP 30

\* FOR 4" MOTOR