



Made in Italy

Product Catalogue

2016








Made in Italy

The aim of the Company, founded in **1959**, is to design, manufacture and deal with efficient and reliable electric pumps that can stand even the most severe applications. The experience achieved in this long period is daily exploited in the pursuit of materials, suppliers, new working and assembling methods so to preserve a high level of quality.

The balance between innovating and traditional principles together with the use of trustworthy

components makes our products appreciated in the most different areas and markets.

An important achievement on the way both of growth and consolidation of our structure, has been, in 1997, the certification of our Quality System according to **UNI EN ISO 9001** standards. Consequently, a deliberate acceptance of these international criteria is intended as a natural evolution towards a continuous enhancement.



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Electric submersible pumps
IDROSOM
for 4" wells



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Electric submersible pumps
IDROSAND
for 6" wells



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new **Electric submersible pumps**
SRM - SRT
SRF 24 V DC
for 6" wells



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Electric submersible pumps
SEMISOM - SEMISOM H
SEMISOM 24 V DC
for dirty water



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Electric submersible pumps
SEMISOM /50 - /65
for sewage water



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Electric submersible pumps
SEMISOM /80
for sewage water



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station



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Automatic
booster sets



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Choice of cables

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Electric submersible pumps
for 8" wells



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Electric submersible pumps
TURBOSOM
for 6" wells



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Electric submersible pumps
SEMISOM - SEMISOM GR
SEMISOM 24 V DC
for sewage water



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Automatic pumping station
SEMIBOX
for sewage water



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External electric pumps CMO
horizontal multistage



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vertical multistage



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Automatic
fire-fighting systems



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Panels





IDROSOM 4"

Electric submersible pumps IDROSOM for 4" wells



Application

- To pump water from wells;
- To pressurize civil, agricultural, industrial and fire-fighting plants;
- Irrigation.

Application features

- Maximum immersion depth **150 m**;
- Maximum content in sand **150 g/m³**;
- Maximum number of starts per hour **30**;
- Maximum temperature of the water pumped **35 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 68**;
- Insulation class **F**;
- Suitable to operate horizontally:
Pump ends up to 23/60 - 18/100 - 17/180 - 12/250 included,
Motors up to 5,5 HP included.

Construction

MOTOR:

- Rewindable;
- Coolant filled asynchronous with short circuit rotor;
- Both shaft and coupling meet NEMA Standards.



ErP Directive

Eco-friendly design for water pumps. Our submersible pumps Idrosom /60 and /100 successfully comply with the parameters of efficiency approved by the European commission on best technology available on the market (MEI Index $\geq 0,70$).

Components

Pump end	Idrosom
Head and suction body	Stainless steel AISI304
Casing, bolts and nuts	Stainless steel AISI304
Shaft	Stainless steel AISI304
Coupling	Stainless steel AISI316
Impellers and diffusers	Noryl® reinforced with fibre-glass, certified for drinkable water
Bearing head	Desmopan® with rotating element in stainless steel AISI316
Motor	
Casing	Stainless steel AISI304
Shaft terminal	Stainless steel AISI303
Upper casing	Brass OT58
Mechanical seal	Graphite and alumina
Elastomers	NBR rubber

Electric submersible pumps IDROSOM for 4" wells

Performance characteristics 2 poles 50 Hz

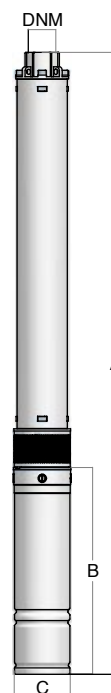
Single-Phase 230 V Three-Phase 400 V 50 Hz	Motor Type *	Nominal Characteristics		450 V Cable		Flow																		
						HP	KW	A 1~	A 3~	μF	m	DNM	m ³ /h	0	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6
						l/min	0	10	20	30	40	50	60	70	80	90	100							
													Total manometric head in meters											
Radial Impeller																								
IDROSOM	8/60	M / T	0,5	0,37	3,6	1,8	20	2	1"½	49	48	45	41	35	27	16								
IDROSOM	12/60	M / T	0,75	0,55	4,4	2	20	2	1"½	74	73	69	62	52	40	24								
IDROSOM	15/60	M / T	1	0,75	6	2,3	25	2	1"½	92	90	85	78	66	50	30								
IDROSOM	23/60	M / T	1,5	1,1	8	3,2	31,5	2	1"½	140	137	130	119	101	77	45								
IDROSOM	30/60	M / T	2	1,5	11	4,2	40	2	1"½	184	179	169	155	132	100	59								
IDROSOM	43/60	M / T	3	2,2	15,9	5,7	60	2	1"½	263	257	243	222	189	144	84								
Radial Impeller																								
IDROSOM	7/100	M / T	0,75	0,55	4,4	2	20	2	1"½	45	44	43	41	39	36	32	27	21	14					
IDROSOM	9/100	M / T	1	0,75	6	2,3	25	2	1"½	57	55	54	53	50	46	41	34	26	18					
IDROSOM	14/100	M / T	1,5	1,1	8	3,2	31,5	2	1"½	88	86	85	82	78	72	64	54	41	28					
IDROSOM	18/100	M / T	2	1,5	11	4,2	40	2	1"½	113	110	107	104	99	91	81	68	52	36					
IDROSOM	27/100	M / T	3	2,2	15,9	5,7	60	2	1"½	170	167	163	156	148	137	122	102	78	53					
IDROSOM	36/100	T	4	3		8		2	1"½	226	220	215	208	197	182	163	137	106	71					
IDROSOM	48/100	T	5,5	4		10		2	1"½	302	295	288	277	261	242	216	182	144	96					

* M : Single-Phase

T : Three-Phase

Type	Dimensions mm			Weight Kg
	A	B	C	
Idrosom 8/60 M	746	346	95	12,0
Idrosom 12/60 M	837	346	95	12,6
Idrosom 15/60 M	935	376	95	14,4
Idrosom 23/60 M	1145	406	95	16,9
Idrosom 30/60 M	1396	456	95	20,4
Idrosom 43/60 M	1863	587	95	28,0
Idrosom 8/60 T	746	346	95	12,1
Idrosom 12/60 T	837	346	95	12,7
Idrosom 15/60 T	905	346	95	13,1
Idrosom 23/60 T	1115	376	95	15,5
Idrosom 30/60 T	1346	406	95	18,1
Idrosom 43/60 T	1757	481	95	23,5

Type	Dimensions mm			Weight Kg
	A	B	C	
Idrosom 7/100 M	748	346	95	11,9
Idrosom 9/100 M	830	376	95	13,6
Idrosom 14/100 M	990	406	95	15,8
Idrosom 18/100 M	1144	456	95	18,6
Idrosom 27/100 M	1551	587	95	25,5
Idrosom 7/100 T	748	346	95	12,0
Idrosom 9/100 T	800	346	95	12,4
Idrosom 14/100 T	960	376	95	14,4
Idrosom 18/100 T	1094	406	95	16,4
Idrosom 27/100 T	1420	456	95	20,3
Idrosom 36/100 T	1729	531	95	24,6
Idrosom 48/100 T	2167	587	95	30,4



Performance characteristics 2 poles 50 Hz

Single-Phase 230 V Three-Phase 400 V 50 Hz	Motor Type *	Nominal Characteristics		450 V Cable		Flow																	
						HP	KW	A 1~	A 3~	μF	m	DNM	m ³ /h	0	4,5	6	7,2	8,4	9,6	10,8	12	13,5	15
													l/min	0	75	100	120	140	160	180	200	225	250
Total manometric head in meters																							
Radial Impeller																							
IDROSOM	6/180	M / T	1	0,75	6	2,3	25	2	2"		37	32	29	26	22	17	12						
IDROSOM	9/180	M / T	1,5	1,1	8	3,2	31,5	2	2"		55	48	44	38	32	26	18						
IDROSOM	12/180	M / T	2	1,5	11	4,2	40	2	2"		74	64	58	51	43	34	23						
IDROSOM	17/180	M / T	3	2,2	15,9	5,7	60	2	2"		104	91	82	72	61	48	33						
IDROSOM	24/180	T	4	3		8		2	2"		147	128	116	102	86	68	46						
IDROSOM	31/180	T	5,5	4		10		2	2"		190	165	149	131	111	87	59						
IDROSOM	42/180	T	7,5	5,5		12,5		4	2"		257	223	202	177	150	118	80						
Radial Impeller																							
IDROSOM	6/250	M / T	1,5	1,1	8	3,2	31,5	2	2"		40	35	33	32	29	26	23	19	14	7			
IDROSOM	8/250	M / T	2	1,5	11	4,2	40	2	2"		53	47	44	42	39	35	30	25	18	9			
IDROSOM	12/250	M / T	3	2,2	15,9	5,7	60	2	2"		79	70	66	63	58	52	45	38	27	14			
IDROSOM	17/250	T	4	3		8		2	2"		112	99	94	89	82	74	64	54	39	19			
IDROSOM	22/250	T	5,5	4		10		2	2"		145	129	122	115	106	95	82	69	50	25			
IDROSOM	30/250	T	7,5	5,5		12,5		4	2"		197	175	165	156	144	129	112	94	68	33			
IDROSOM	40/250	T	10	7,5		16,7		4	2"		262	233	220	208	192	172	149	125	90	44			

* M : Single-Phase

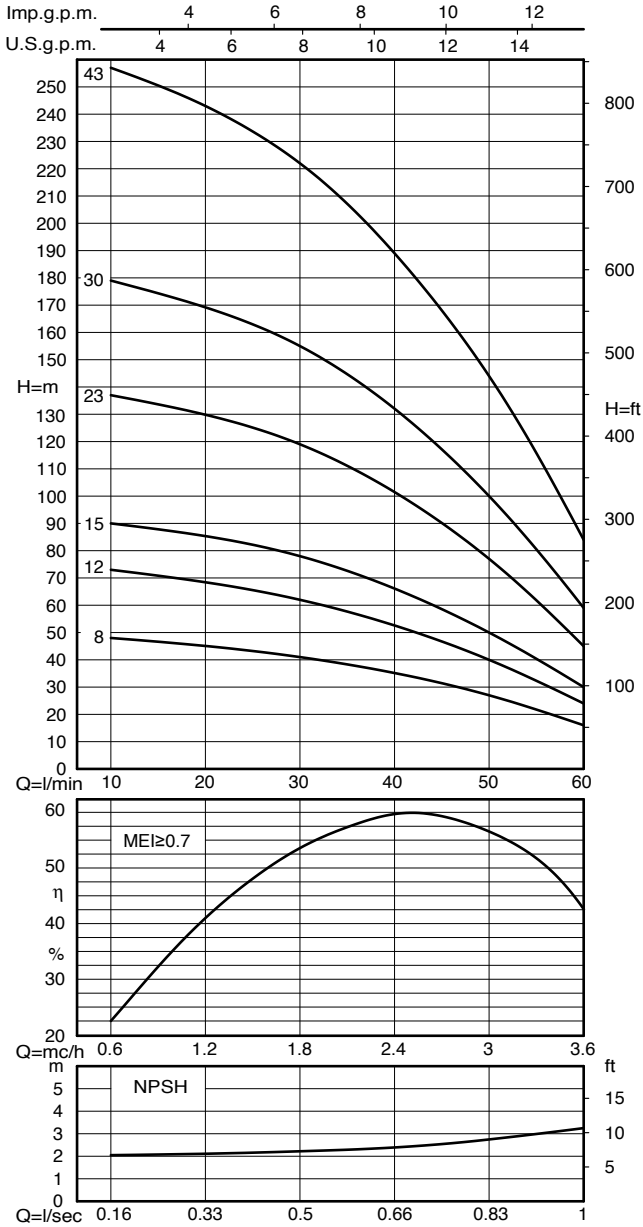
T : Three-Phase

Type	Dimensions mm			Weight Kg
	A	B	C	
Idrosom 6/180 M	817	376	95	13,5
Idrosom 9/180 M	951	406	95	15,5
Idrosom 12/180 M	1104	456	95	18,3
Idrosom 17/180 M	1451	587	95	24,9
Idrosom 6/180 T	787	346	95	13,5
Idrosom 9/180 T	921	376	95	14,1
Idrosom 12/180 T	1054	406	95	16,0
Idrosom 17/180 T	1320	456	95	19,7
Idrosom 24/180 T	1637	531	95	23,7
Idrosom 31/180 T	1978	587	95	29,4
Idrosom 42/180 T	2448	677	95	36,4

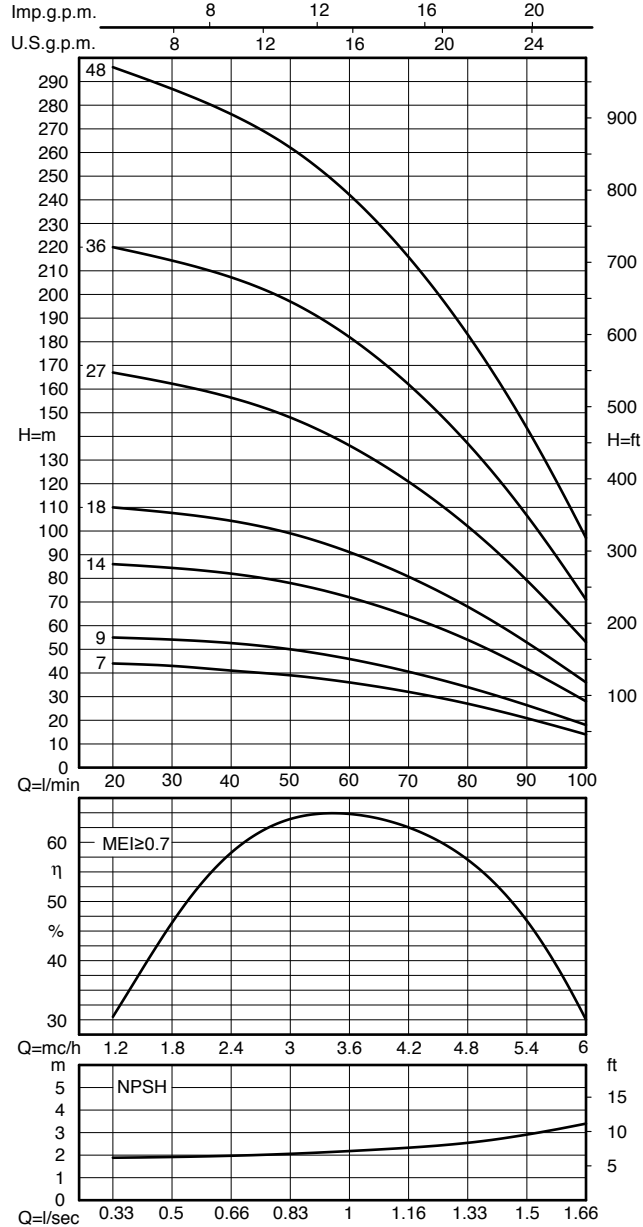
Type	Dimensions mm			Weight Kg
	A	B	C	
Idrosom 6/250 M	876	406	95	15,0
Idrosom 8/250 M	1005	456	95	17,7
Idrosom 12/250 M	1294	587	95	23,7
Idrosom 6/250 T	846	376	95	13,6
Idrosom 8/250 T	955	406	95	15,4
Idrosom 12/250 T	1163	456	95	18,5
Idrosom 17/250 T	1479	531	95	22,8
Idrosom 22/250 T	1732	587	95	27,2
Idrosom 30/250 T	2180	677	95	34,7
Idrosom 40/250 T	2655	757	95	40,5

Electric submersible pumps IDROSOM for 4" wells

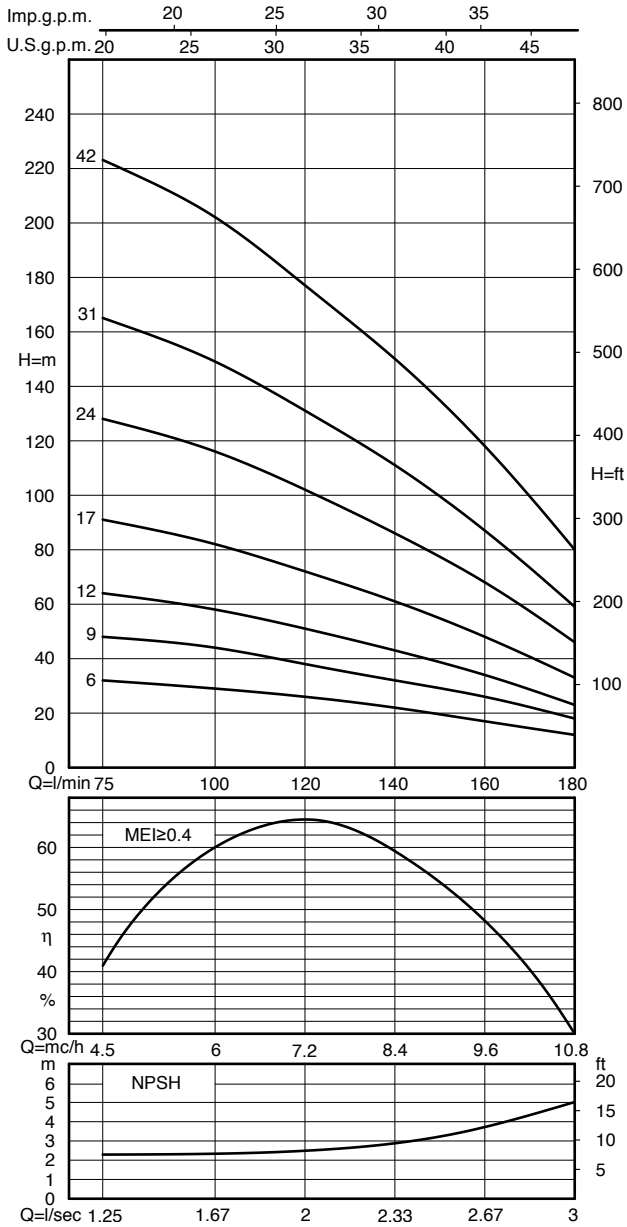
Series /60



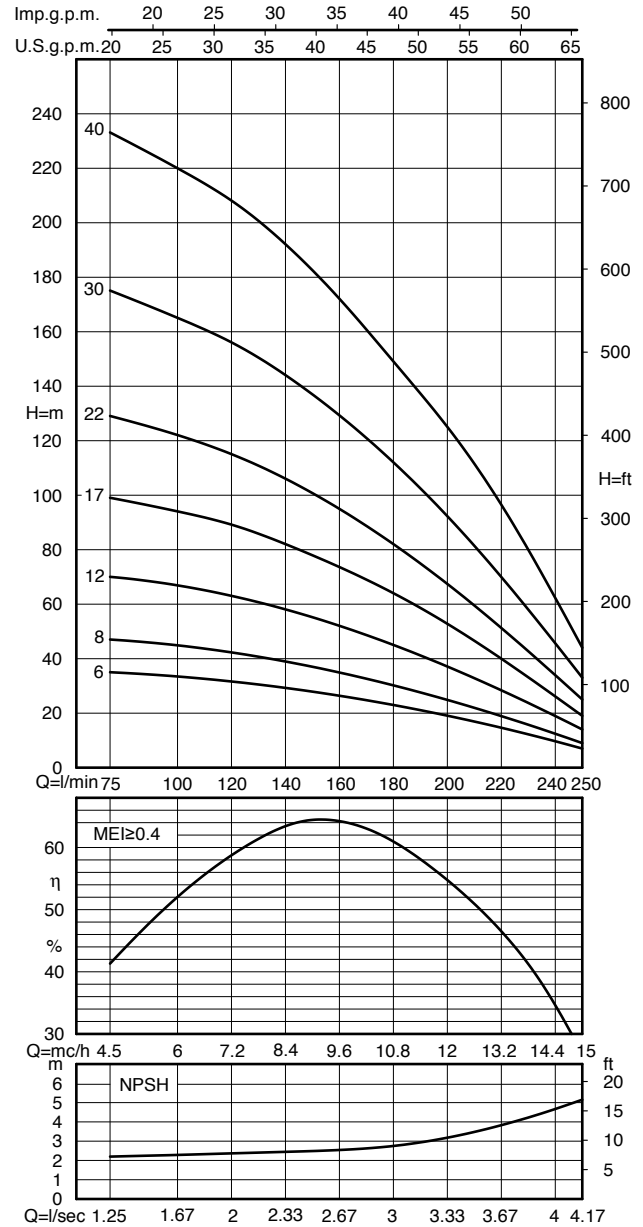
Series /100



Series /180



Series /250





6"

6"

6"

IDROSAND



IDROSAND 6"

Electric submersible pumps IDROSAND for 6" wells

Application

- To pump water from wells;
- To pressurize civil, agricultural, industrial and fire-fighting plants;
- Irrigation.

Application features

- Minimum head from suction point **0,8 m**;
- Maximum immersion depth **200 m** (**150 m** motors 4T);
- Maximum content in sand **200 g/m³**;
- Maximum number of starts per hour **20**;
- Maximum temperature of the water pumped **30 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 68**;
- Insulation class **F**;
- Suitable to operate horizontally:
Pump ends up to 24/230 - 23/330 - 17/530 included,
4T motors up to 5,5 HP included,
6TA motors all types.

Construction

MOTOR 4T:

- Rewindable;
- Coolant filled asynchronous with short circuit rotor;
- Both shaft and coupling meet NEMA Standards.

MOTOR 6TA:

- Rewindable;
- Water filled asynchronous with short circuit rotor;
- Both shaft and coupling meet NEMA Standards.



Components

Pump end	/230 - /330 - /530	
Head and suction body	Mechanical cast iron EN GJL-200	
Casing	Stainless steel AISI304	
Tie rods	Stainless steel AISI304	
Shaft	Stainless steel AISI420B	
Coupling	Stainless steel AISI416B	
Impellers and diffusers	Noryl® reinforced with fibre-glass, certified for drinkable water and AISI304 stainless steel wear rings	
Top bush	Desmopan® with rotating element in chromium-plated brass	
Check valve	Stainless steel AISI304	
Motor	4T	6TA
Casing	Stainless steel AISI304	Stainless steel AISI304
Shaft terminal	Stainless steel AISI303	Stainless steel AISI329
Upper casing	Brass OT58	Mechanical cast iron with electrophoresis paint EN GJL-250 or brass OT58
Foot		ABS
Elastomers	NBR rubber	NBR rubber
Mechanical seal	Graphite and alumina	Graphite and alumina

Electric submersible pumps IDROSAND+ for 6" wells



Application

- To pump water from wells;
- To pressurize civil, agricultural, industrial and fire-fighting plants;
- Irrigation.

Application features

- Minimum head from suction point **0,8 m**;
- Maximum immersion depth **200 m** (**150 m** motors 4T);
- Maximum content in sand **300 g/m³** (**450 g/m³** series /900);
- Maximum number of starts per hour **20**;
- Maximum temperature of the water pumped **30 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 68**;
- Insulation class **F**;
- Suitable to operate horizontally:
Pump ends up to 15/400 - 13/700 - 8/900 included,
4T motors up to 5,5 HP included,
6TA motors all types.

Construction

MOTOR 6TA:

- Rewindable;
- Water filled asynchronous with short circuit rotor;
- Both shaft and coupling meet NEMA Standards.



The electric submersible pumps **IDROSAND** are designed to operate in the most arduous conditions, offering reliability even in applications with high sand content (**IDROSAND+** up to 450 g/m³).

Components

Pump end	/400	/700 - /900
Head and suction body	Mechanical cast iron EN GJL-200	Mechanical cast iron EN GJL-200
Body diffuser / Casing	Mechanical cast iron EN GJL-200	Stainless steel AISI304
Tie rods	Steel	Stainless steel AISI304
Shaft	Stainless steel AISI420B	Stainless steel AISI420B
Coupling	Stainless steel AISI416B	Stainless steel AISI416B
Impellers and diffusers	Noryl® reinforced with fibre-glass, certified for drinkable water and AISI304 stainless steel wear rings	Noryl® reinforced with fibre-glass, certified for drinkable water and AISI304 stainless steel wear rings
Diffuser bush	Anti-sand rubber	Anti-sand rubber
Top bush	Desmopan® with rotating element in chromium-plated brass	Desmopan® with rotating element in chromium-plated brass
Check valve	Stainless steel AISI304	Stainless steel AISI304
Motor		6TA
Casing		Stainless steel AISI304
Shaft terminal		Stainless steel AISI329
Upper casing		Mechanical cast iron with electrophoresis paint EN GJL-250 or brass OT58
Foot		ABS
Elastomers		NBR rubber
Mechanical seal		Graphite and alumina

Electric submersible pumps IDROSAND

for 6" wells

Performance characteristics 2 poles 50 Hz

Three-Phase 400 V 50 Hz	Nominal Characteristics					Cable		Flow																		
	HP	KW	A	m	DNM	m ³ /h	0	5,4	6,6	7,8	9	10,2	12	13,8	15	16,8	18	19,8	21,6	24	27	30	33			
						l/min	0	90	110	130	150	170	200	230	250	280	300	330	360	400	450	500	550			
Total manometric head in meters																										
Radial Impeller																										
4T20	6/230	2	1,5	4,2	2	2"	56	51	49	44	40	35	26	15												
4T30	8/230	3	2,2	5,7	2	2"	75	67	63	58	52	45	34	20												
4T30	9/230	3	2,2	5,7	2	2"	84	75	71	66	59	52	39	24												
4T40	11/230	4	3	8	2	2"	103	93	89	82	74	66	51	33												
4T55	14/230	5,5	4	10	2	2"	138	125	119	110	99	87	67	43												
6TA75	17/230	7,5	5,5	13,3	3	2"	164	150	142	132	118	103	80	52												
6TA75	20/230	7,5	5,5	13,3	3	2"	190	174	165	154	141	124	95	62												
6TA10	24/230	10	7,5	16,8	3	2"	234	207	196	183	166	147	114	77												
6TA10	28/230	10	7,5	16,8	3	2"	273	250	236	219	199	176	133	88												
6TA125	34/230	12,5	9,2	21,5	3	2"	334	307	289	265	241	212	162	106												
6TAH15	40/230	15	11	24,8	3	2"	396	361	339	315	288	255	197	132												
Radial Impeller																										
4T20	4/330	2	1,5	4,2	2	2"	39				34	32	29	26	24	19	16	11								
4T30	5/330	3	2,2	5,7	2	2"	49				42	40	37	32	29	24	20	14								
4T30	6/330	3	2,2	5,7	2	2"	58				48	46	43	38	34	28	23	16								
4T40	7/330	4	3	8	2	2"	68				57	55	51	45	41	34	29	20								
4T55	9/330	5,5	4	10	2	2"	89				74	71	64	56	50	41	34	24								
4T55	10/330	5,5	4	10	2	2"	102				86	82	75	66	60	50	42	29								
6TA75	12/330	7,5	5,5	13,3	3	2"	121				101	96	87	77	69	57	48	33								
6TA75	14/330	7,5	5,5	13,3	3	2"	138				116	110	100	88	80	65	54	37								
6TA10	16/330	10	7,5	16,8	3	2"	160				134	127	116	104	94	78	65	46								
6TA10	19/330	10	7,5	16,8	3	2"	190				160	153	140	125	113	94	80	56								
6TA125	23/330	12,5	9,2	21,5	3	2"	233				198	190	175	157	143	119	101	72								
6TA15	28/330	15	11	24,8	3	2"	287				247	236	218	196	179	150	128	93								
6TA20	32/330	20	15	31,5	3	2"	326				285	274	252	226	205	172	148	108								
6TA20	36/330	20	15	31,5	3	2"	374				323	311	287	256	233	194	167	123								
6TA25	43/330	25	18,5	38	3	2"	444				383	367	339	304	276	231	198	145								
Radial Impeller																										
4T40	4/530	4	3	8	2	3"	43						36		35	34	33	32	30	27	22	16	10			
4T55	6/530	5,5	4	10	2	3"	64						53		52	50	49	48	45	40	33	24	16			
6TA75	8/530	7,5	5,5	13,3	3	3"	86						70	69	68	66	65	64	61	53	43	33	21			
6TA10	11/530	10	7,5	16,8	3	3"	118						97	95	94	92	90	87	83	73	60	44	29			
6TA125	14/530	12,5	9,2	21,5	3	3"	150						123	120	119	116	114	111	106	94	76	56	37			
6TA15	17/530	15	11	24,8	3	3"	182						149	146	145	141	139	135	129	113	93	69	45			
6TA20	22/530	20	15	31,5	3	3"	236						193	189	186	182	179	175	167	147	120	89	59			
6TA25	28/530	25	18,5	38	3	3"	300						246	240	237	232	228	223	213	187	152	113	75			
6TA30	33/530	30	22	47,3	3	3"	354						290	283	280	273	269	263	251	221	180	133	88			

4T20 - 4T30 : Also available in single-phase

Type	Dimensions mm			Weight Kg	
	A	B	C		
4T20	6/230	1092	406	146	28,7
4T30	8/230	1214	456	146	32,2
4T30	9/230	1250	456	146	32,8
4T40	11/230	1397	531	146	36,8
4T55	14/230	1561	587	146	41,9
6TA75	17/230	1754	672	146	65,7
6TA75	20/230	1862	672	146	67,4
6TA10	24/230	2056	722	146	75,0
6TA10	28/230	2200	722	146	77,7
6TA125	34/230	2528	762	146	87,2
6TAH15	40/230	2799	817	146	98,2

Type	Dimensions mm			Weight Kg	
	A	B	C		
4T20	4/330	1020	406	146	26,7
4T30	5/330	1106	456	146	29,6
4T30	6/330	1142	456	146	30,2
4T40	7/330	1253	531	146	33,9
4T55	9/330	1381	587	146	38,8
4T55	10/330	1417	587	146	39,2
6TA75	12/330	1574	672	146	61,7
6TA75	14/330	1646	672	146	62,8
6TA10	16/330	1768	722	146	69,0
6TA10	19/330	1876	722	146	70,3
6TA125	23/330	2060	762	146	79,5
6TA15	28/330	2295	817	146	86,9
6TA20	32/330	2591	897	146	101,5
6TA20	36/330	2735	897	146	105,6
6TA25	43/330	3087	997	146	121,5

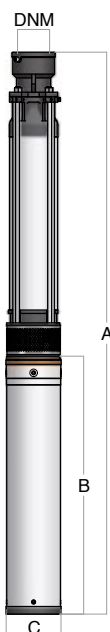
Type	Dimensions mm			Weight Kg	
	A	B	C		
4T40	4/530	1220	531	146	33,7
4T55	6/530	1376	587	146	38,5
6TA75	8/530	1579	672	146	60,9
6TA10	11/530	1761	722	146	68,2
6TA125	14/530	1951	762	146	75,3
6TA15	17/530	2156	817	146	83,0
6TA20	22/530	2486	897	146	98,9
6TA25	28/530	2958	997	146	115,3
6TA30	33/530	3338	1127	146	133,3

Electric submersible pumps IDROSAND+ for 6" wells



Performance characteristics 2 poles 50 Hz

Three-Phase 400 V 50 Hz	Nominal Characteristics		Cable		Flow																	
					m ³ /h	Total manometric head in meters																
						l/min	0	11,4	13,8	15,6	18	19,8	21,6	24	27	30	33	36	39	42	48	54
HP	KW	A	m	DNM	0	190	230	260	300	330	360	400	450	500	550	600	650	700	800	900	1000	
Radial Impeller																						
4T40	4/400	4	3	8	2	3"	50	41	37	35	31	28	25	20	14							
4T55	5/400	5,5	4	10	2	3"	64	52	49	46	42	38	35	29	20							
4T55	6/400	5,5	4	10	2	3"	75	63	59	55	50	46	41	34	25							
6TA75	7/400	7,5	5,5	13,3	3	3"	90	74	69	65	59	54	48	40	29							
6TA10	8/400	10	7,5	16,8	3	3"	105	85	80	76	69	63	56	47	34							
6TA10	10/400	10	7,5	16,8	3	3"	130	107	100	94	86	78	70	58	42							
6TA125	12/400	12,5	9,2	21,5	3	3"	152	128	119	112	102	93	84	70	50							
6TA15	15/400	15	11	24,8	3	3"	190	157	148	140	126	116	104	87	63							
6TA20	20/400	20	15	31,5	3	3"	254	210	199	188	170	155	139	115	84							
6TA25	25/400	25	18,5	38	3	3"	312	262	247	232	210	192	172	143	104							
Semi-Axial impeller																						
4T55	3/700	5,5	4	10	2	3"	41			35	34	33	31	28	25	22	18	14	9			
6TA75	5/700	7,5	5,5	13,3	3	3"	68			59	57	55	51	46	41	35	28	21	14			
6TA10	6/700	10	7,5	16,8	3	3"	84			68	66	63	59	54	48	42	34	27	17			
6TA125	8/700	12,5	9,2	21,5	3	3"	113			93	91	87	83	76	69	60	50	40	29			
6TA15	10/700	15	11	24,8	3	3"	141			116	114	110	104	96	86	75	62	50	36			
6TA20	13/700	20	15	31,5	3	3"	183			152	148	144	136	125	111	96	80	63	45			
6TA25	16/700	25	18,5	38	3	3"	223			186	180	173	164	150	134	116	96	75	54			
6TA30	19/700	30	22	47,3	3	3"	270			219	213	206	195	179	159	137	114	89	63			
Semi-Axial impeller																						
4T55	2/900	5,5	4	10	2	3"	29						24	23	22	21	20	19	18	16	13	9
6TA75	3/900	7,5	5,5	13,3	3	3"	41						37	36	35	33,5	32	30	28	24	19	13
6TA10	4/900	10	7,5	16,8	3	3"	56						50	48	46	44	42	40	38	33	26	18
6TA125	5/900	12,5	9,2	21,5	3	3"	70						63	61	59	56	54	51	48	42	33	23
6TA15	6/900	15	11	24,8	3	3"	86						76	73,5	71	68	65	62	59	51	41	29
6TA20	8/900	20	15	31,5	3	3"	114						101	98	95	91	87	83	78	68	55	38
6TA25	10/900	25	18,5	38	3	3"	143						127	123	119	114	109	104	98	85	68	48
6TA30	12/900	30	22	47,3	3	3"	170						152	147	142	137	131	125	118	103	83	58
6TA40	15/900	40	30	61,6	3	3"	210						190	183	177	170	163	156	147	127	102	74

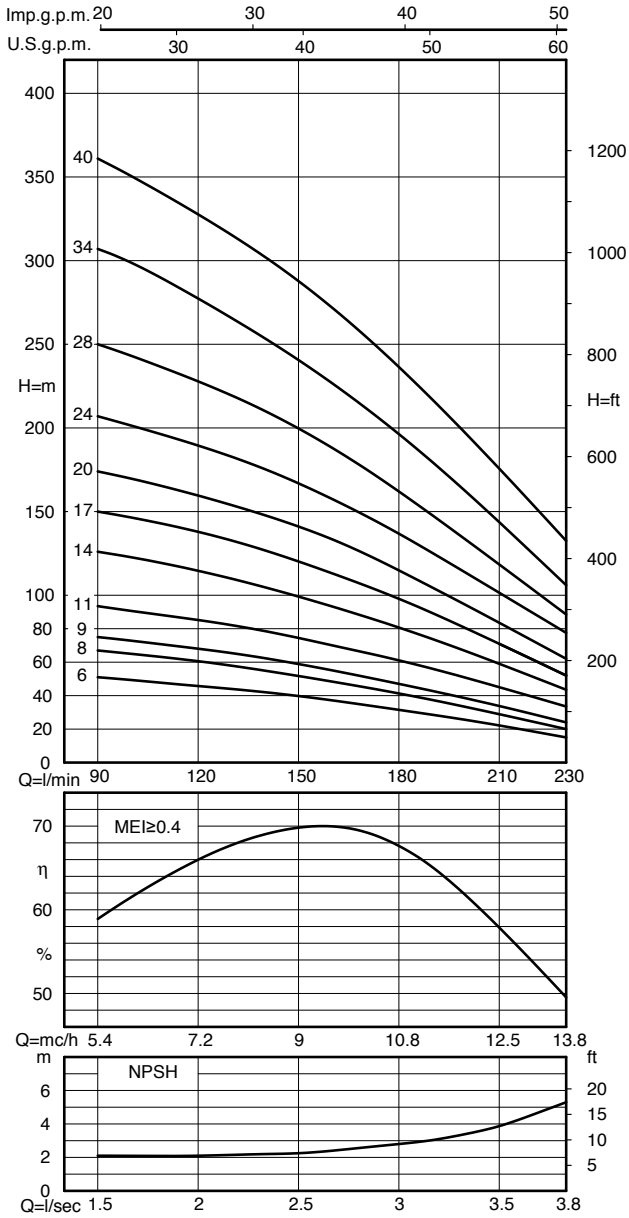


Type		Dimensions mm			Weight Kg
		A	B	C	
4T40	4/400	1136	531	146	37,0
4T55	5/400	1242	587	146	42,4
4T55	6/400	1292	587	146	43,8
6TA75	7/400	1427	672	146	66,2
6TA10	8/400	1527	722	146	72,8
6TA10	10/400	1627	722	146	75,9
6TA125	12/400	1767	762	146	84,0
6TA15	15/400	1972	817	146	94,0
6TA20	20/400	2302	897	146	115,9
6TA25	25/400	2652	997	146	134,0

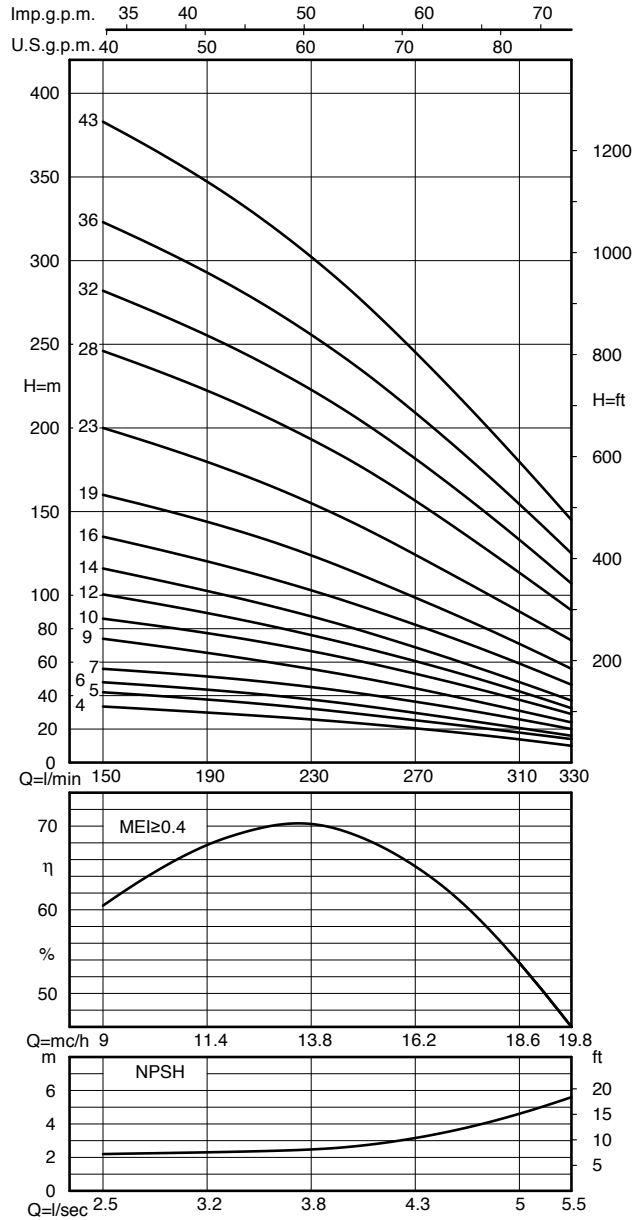
Type		Dimensions mm			Weight Kg
		A	B	C	
4T55	3/700	1312	587	146	38,1
6TA75	5/700	1553	672	146	61,5
6TA10	6/700	1681	722	146	67,5
6TA125	8/700	1877	762	146	74,7
6TA15	10/700	2088	817	146	82,4
6TA20	13/700	2402	897	146	98,4
6TA25	16/700	2736	997	146	112,4
6TA30	19/700	3100	1127	146	129,5
4T55	2/900	1298	587	146	37,2
6TA75	3/900	1491	672	146	60,0
6TA10	4/900	1649	722	146	66,7
6TA125	5/900	1797	762	146	73,2
6TA15	6/900	1960	817	146	80,2
6TA20	8/900	2256	897	146	96,0
6TA25	10/900	2572	997	146	110,2
6TA30	12/900	2918	1127	146	127,4
6TA40	15/900	3382	1267	146	148,0

Electric submersible pumps IDROSAND for 6" wells

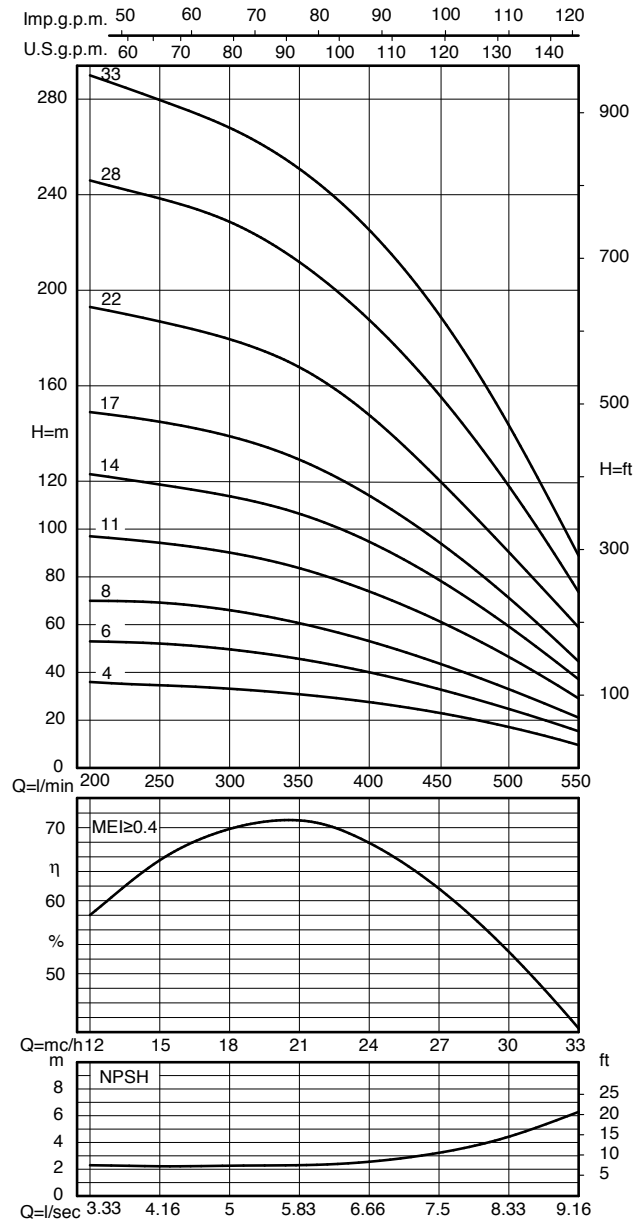
Series /230



Series /330

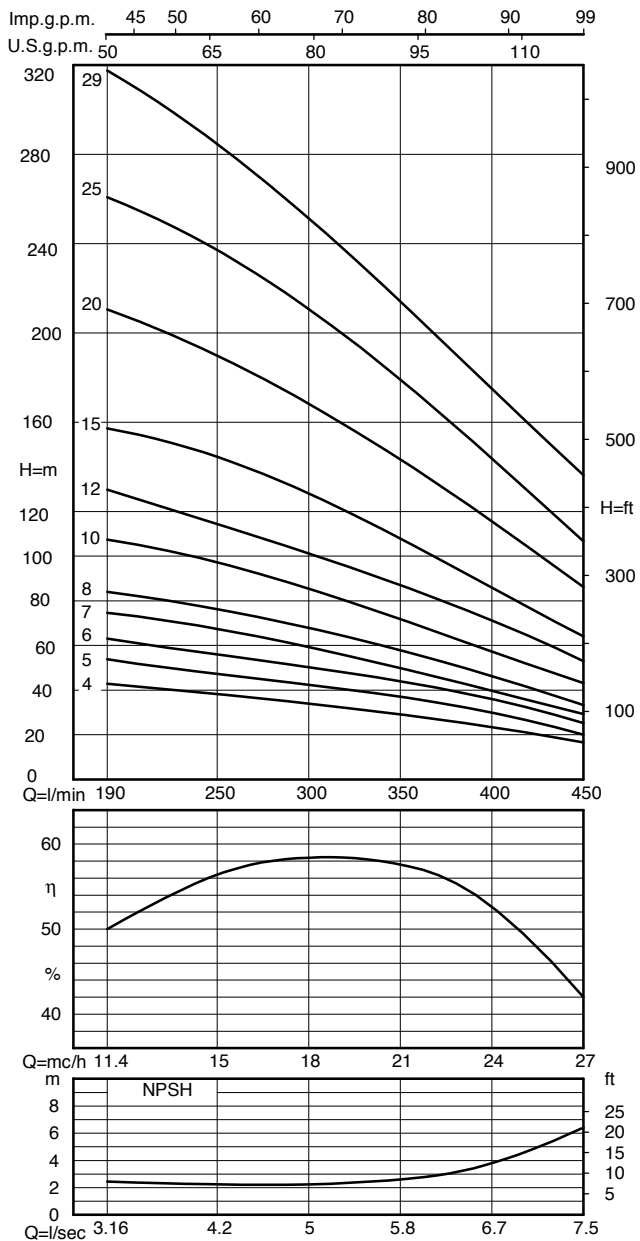


Series /530

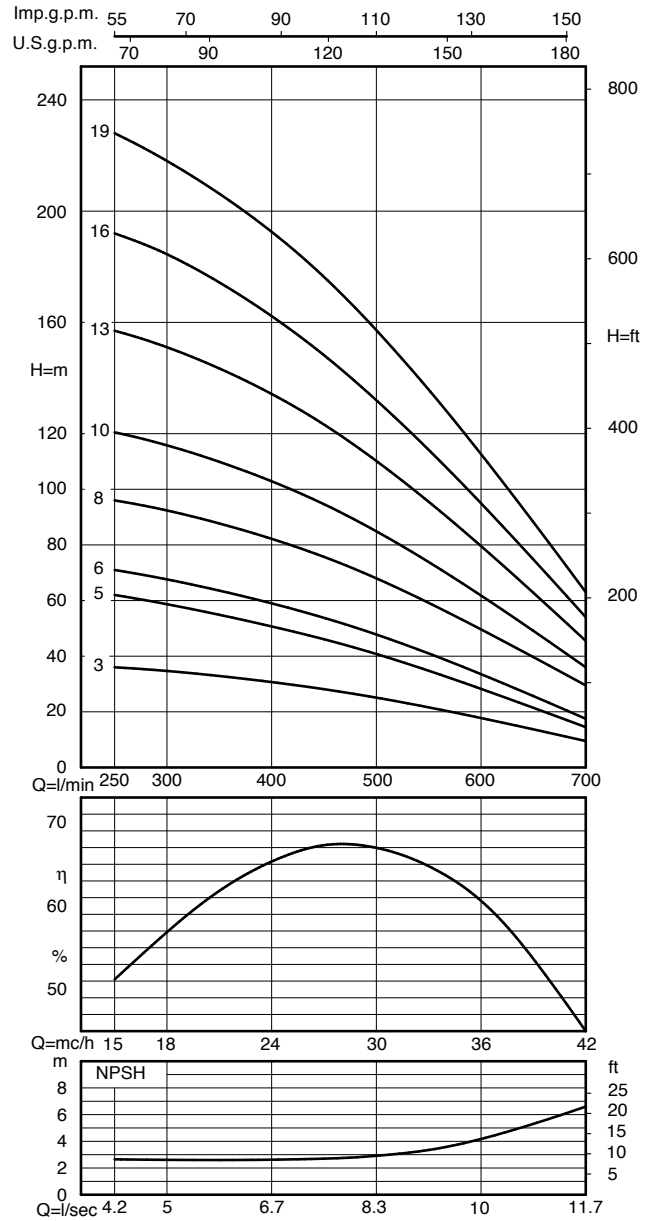


Electric submersible pumps IDROSAND+ for 6" wells

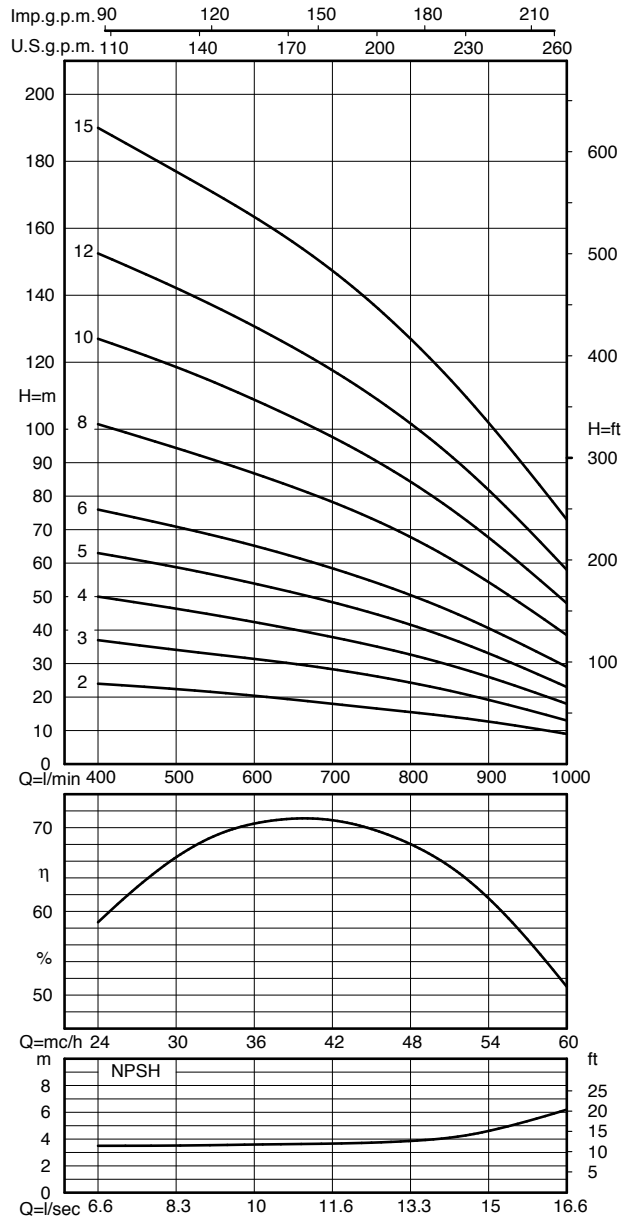
Series /400



Series /700



Series /900





8" (200 mm)

Electric submersible pumps for 8" wells



Application

- To pump water from wells;
- To pressurize civil, agricultural, industrial and fire-fighting plants;
- Irrigation.

Application features

- Minimum head from suction point **1,2 m**;
- Maximum immersion depth **200 m**;
- Maximum content in sand **50 g/m³**;
- Maximum number of starts per hour **15**;
- Maximum temperature of the water pumped **30 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 68**;
- Insulation class **F**;
- Suitable to operate horizontally:
Pump ends all types,
Motors up to 40 HP included.

Construction

MOTOR:

- Rewindable;
- Water filled asynchronous with short circuit rotor;
- Both shaft and coupling meet NEMA Standards.



Components

Pump end	/1600 - /2400
Head	Mechanical cast iron EN GJL-200
Suction body	Mechanical cast iron EN GJL-200
Shaft	Stainless steel AISI410
Coupling	Stainless steel AISI410
Impellers	Stainless steel AISI410
Diffusers	Mechanical cast iron EN GJL-200
Bearings	Antifriction rubber with rotating element in stainless steel AISI410
Check valve	Stainless steel AISI304
Motor	6TA
Casing	Stainless steel AISI304
Shaft terminal	Stainless steel AISI329
Upper casing	Mechanical cast iron with electrophoresis paint EN GJL-250 or brass OT58
Foot	ABS
Elastomers	NBR rubber
Mechanical seal	Graphite and alumina

Electric submersible pumps for 8" wells

Performance characteristics 2 poles 50 Hz

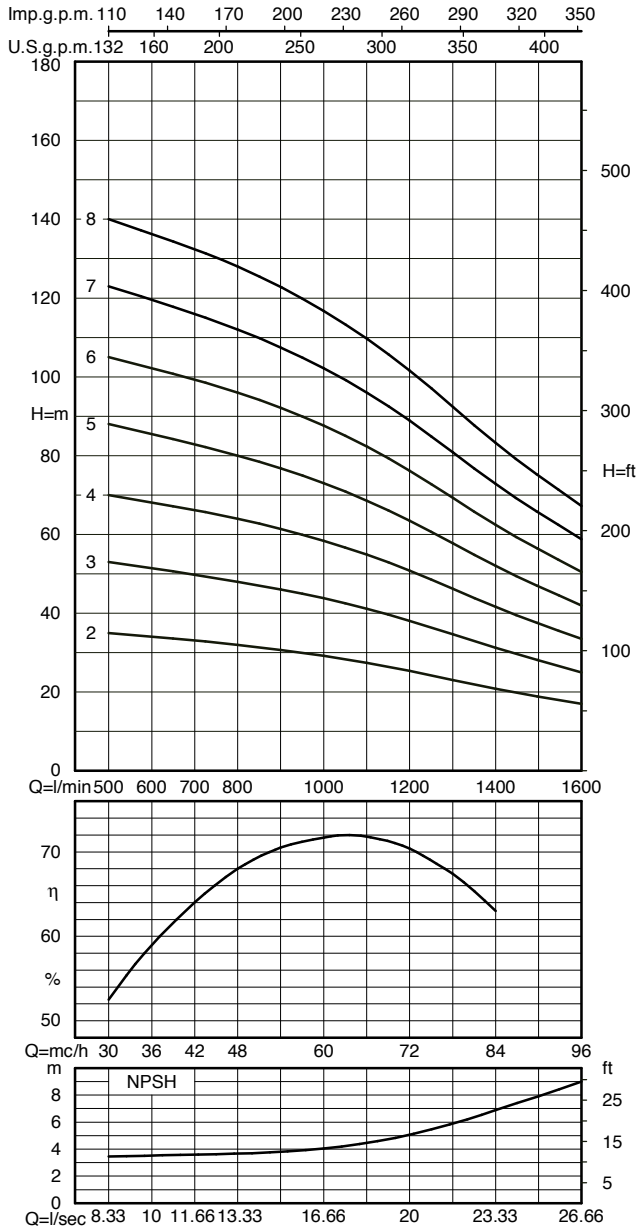
Three-Phase 400 V 50 Hz	Nominal Characteristics		Cable		Flow													
					m ³ /h	0	30	48	60	72	84	96	108	120	132	144		
	HP	KW	A	m	DNM	l/min	0	500	800	1000	1200	1400	1600	1800	2000	2200	2400	
Total manometric head in meters																		
Semi-Axial impeller																		
6TA10	2/1600	10	7,5	16,8	3	4"	40	35	32	29	25	21	17					
6TA15	3/1600	15	11	24,8	3	4"	60	53	48	44	38	31	25					
6TA20	4/1600	20	15	31,5	3	4"	80	70	64	58	51	42	34					
6TA25	5/1600	25	18,5	38	3	4"	100	88	80	73	64	52	42					
6TA30	6/1600	30	22	47,3	3	4"	120	105	96	88	76	62	51					
6TA35	7/1600	35	26	54,5	3	4"	140	123	112	102	89	73	59					
6TA40	8/1600	40	30	61,6	3	4"	160	140	128	117	102	83	67					
Semi-Axial impeller																		
6TA15	2/2400	15	11	24,8	3	5"	45			39	37	34	31	27	22	18	13	
6TA25	3/2400	25	18,5	38	3	5"	68			58	56	52	47	40	33	26	19	
6TA30	4/2400	30	22	47,3	3	5"	90			78	74	69	62	53	44	35	26	
6TA40	5/2400	40	30	61,6	3	5"	113			97	93	86	78	67	55	44	32	
6TA50	6/2400	50	37	81,9	4	5"	135			116	111	103	93	80	66	52	38	

Type		Dimensions mm			Weight Kg
		A	B	C	
6TA10	2/1600	1382	722	196	85,1
6TA15	3/1600	1607	817	196	107,8
6TA20	4/1600	1817	897	196	127,3
6TA25	5/1600	2047	997	196	148,2
6TA30	6/1600	2307	1127	196	172,2
6TA35	7/1600	2577	1267	196	197,6
6TA40	8/1600	2707	1267	196	208,1

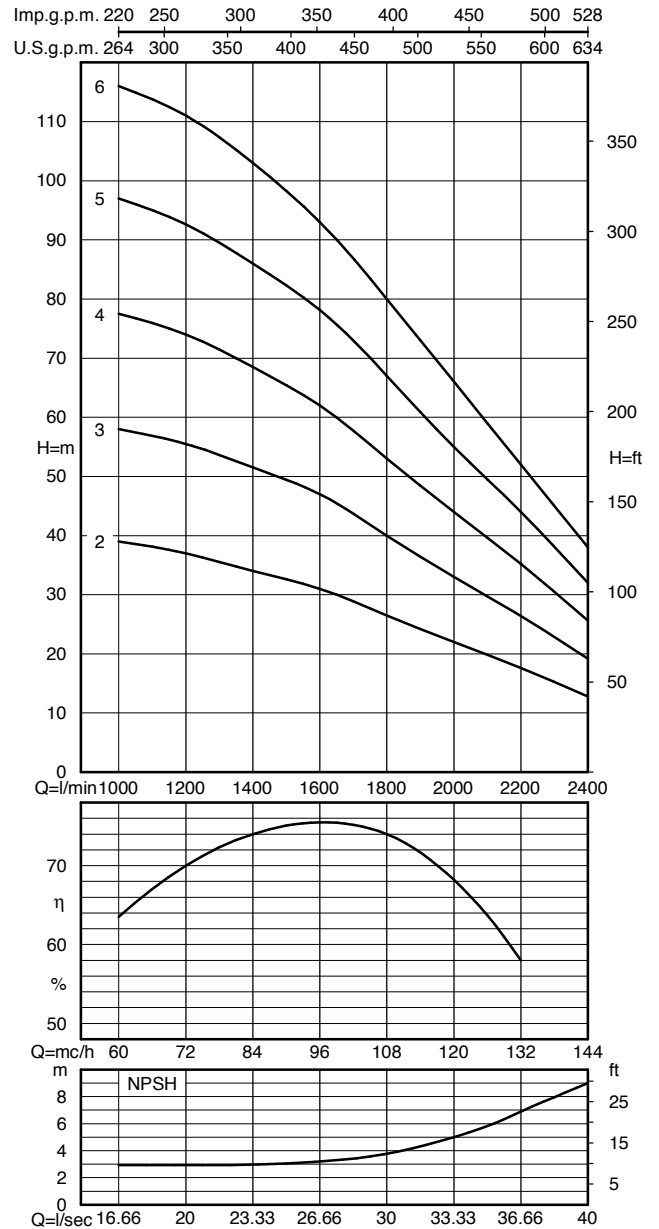
Type		Dimensions mm			Weight Kg
		A	B	C	
6TA15	2/2400	1480	817	196	99,2
6TA25	3/2400	1790	997	196	129,1
6TA30	4/2400	2050	1127	196	153,0
6TA40	5/2400	2320	1267	196	178,4
6TA50	6/2400	2457	1274	196	187,8



Series /1600



Series /2400



TURBOSOM 6"



Peripheral electric submersible pumps TURBOSOM for 6" wells



Application

- To pump clear water from wells;
- To pressurize civil plants;
- Irrigation.

Application features

- Maximum content in sand **20 g/m³**;
- Maximum number of starts per hour **40**;
- Maximum temperature of the water pumped **50 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 68**;
- Insulation class **F**;
- Suitable to operate horizontally.

Construction

- Single-stage pump with peripheral impeller;
- Coolant filled asynchronous rewindable motor with short circuit rotor;
- The single-phase version is provided with a control box containing pump capacitor and unipolar thermal protector switch.



Components

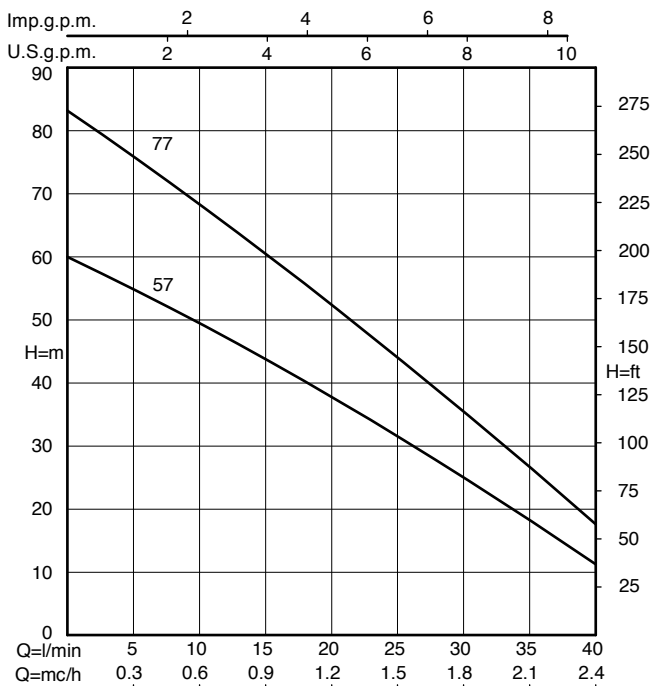
Electric pump	Turbosom
Motor casing and tie rods	Stainless steel AISI304
Shaft	Stainless steel AISI420B
Impeller, bolts and nuts	Brass OT58
Head, body and foot	Mechanical cast iron EN GJL-250
Seal rings	NBR rubber
Elastomers	NBR rubber
Cable	Neoprene H07RN-F

Peripheral electric submersible pumps TURBOSOM for 6" wells

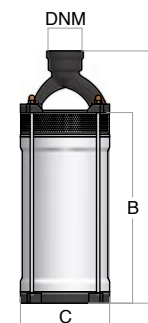
Performance characteristics 2 poles 50 Hz

Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz	Nominal Characteristics		450 V Cable		Flow														
		HP	KW	A 1~	A 3~	μF	m	DNM	l/min	0	0,36	0,6	0,72	0,9	1,08	1,32	1,5	1,8	2,4	
											0	6	10	12	15	18	22	25	30	40
Total manometric head in meters																				
Peripheral Impeller																				
TURBOSOM 57 M	TURBOSOM 57 T	0,75	0,55	3,8	1,6	16	10	1"			60	54	50	48	44	40	35	31	25	11
TURBOSOM 77 M	TURBOSOM 77 T	1	0,75	6	2,3	20	10	1"			84	75	69	66	61	56	49	44	35	17

Series Turbosom



Type	Dimensions mm	Dimensions mm			Weight Kg
		A	B	C	
Turbosom 57 M	334	236	136	12,6	
Turbosom 77 M	349	251	136	14,0	
Turbosom 57 T	334	236	136	12,6	
Turbosom 77 T	349	251	136	13,7	





TURBOSOM

6"

TURBOSOM

SRM-SRT-SRF 6"



Electric submersible pumps SRM - SRT - SRF for 6" wells



Application

- To pump water from reservoirs, collecting tanks and wells;
- To pressurize civil, agricultural, industrial and fire-fighting plants;
- Irrigation.

Application features

- Maximum immersion depth **30 m** (**20 m** series /200 - /300);
- Maximum content in sand:
50 g/m³ series /100 - /140 - SRF /80 - /200 - /300,
200 g/m³ series /230 - /330,
300 g/m³ series /400 - /700;
- Maximum number of starts per hour **40** (**30** series /230 - /330 - /400 - /700);
- Maximum temperature of the water pumped **45 °C**;
- Continuous duty **S1** series (intermittent duty **S2** 60 min service series SRF /80);
- Degree of protection **IP 68**;
- Insulation class **F**.

Construction

SERIES /100 - /140:

- Dry, asynchronous rewindable motor with short circuit rotor;
- Double mechanical seal with oil chamber in-between.

SERIES /200 - /300:

- Asynchronous rewindable motor with short circuit rotor;
- Double mechanical seal with oil chamber in-between;
- Lubrication chamber for the ball bearing on the pump side;

SERIES /230 - /330 - /400 - /700:

- Coolant filled asynchronous rewindable motor with short circuit rotor;

SERIES SRF /80:

- 24 V DC with permanent magnets motor, with dry-brush rotor.



This important certification, released by an Agency accredited by the French Ministry of Health, attests that the electric pumps series SRM-SRT /100 /140 /200 /300 can be used to pump drinkable water.



Components

Electric pump	/100 - /140 - SRF /80 - /200 - /300	/230 - /330 - /400 - /700
Pump union, motor cover and central body	Brass OT58	Mechanical cast iron EN GJL-250
External casing, handle, motor casing, bolts and nuts	Stainless steel AISI304	Stainless steel AISI304
Shaft	Stainless steel AISI420B	Stainless steel AISI420B - AISI303
Impellers and diffusers	Noryl® reinforced with fibre-glass, certified for drinkable water and AISI304 stainless steel wear rings	Noryl® reinforced with fibre-glass, certified for drinkable water and AISI304 stainless steel wear rings
Body diffusers		/400 Mechanical cast iron EN GJL-200
Diffuser bush		/400 - /700 Anti-sand rubber
Bearing shaft support		Desmopan® with rotating element in chromium-plated brass;
Foot	Stainless steel AISI304 (/200 - /300 ABS)	Mechanical cast iron EN GJL-250
Mechanical seal	Silicon carbide and alumina (/200 - /300 Graphite and alumina)	Graphite and alumina
Elastomers	NBR rubber	NBR rubber
Cable	PVC ACS AD8	PVC

Electric submersible pumps SRM - SRT - SRF for 6" wells

Performance characteristics 2 poles 50 Hz

Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz	Nominal Characteristics		450 V Cable		Flow																					
						HP	KW	A 1~	A 3~	μF	m	DNM	m ³ /h	0	1,2	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,2	7,8	8,4	
														Total manometric head in meters													
Radial Impeller																											
SRM07	3/100			0,7	0,5	4,2		16	10	1"¼	35	33	30	28	25	22	18	14	9								
SRM09	4/100	SRT09	4/100	0,9	0,65	5	2	16	10	1"¼	46	44	39	36	32	28	23	18	11								
SRM11	5/100	SRT11	5/100	1,1	0,8	6,6	2,5	20	10	1"¼	58	55	49	46	40	36	29	23	15								
SRM13	6/100	SRT13	6/100	1,3	0,95	7,3	2,9	25	10	1"¼	69	64	58	54	49	42	35	26	17								
SRM16	7/100	SRT16	7/100	1,6	1,2	8,7	3,2	31,5	10	1"¼	80	75	68	62	56	48	40	30	20								
Radial Impeller																											
SRM10	4/140	SRT10	4/140	1	0,75	5,7	2,2	16	10	1"¼	41	38	35	33	31	29	26	23	20	17	14	10	6				
SRM13	5/140	SRT13	5/140	1,3	0,95	7,4	2,8	20	10	1"¼	51	48	44	41	38	35	32	29	25	21	17	13	8				
SRM16	6/140	SRT16	6/140	1,6	1,2	8,3	3,2	25	10	1"¼	62	57	52	49	46	42	38	34	30	25	20	15	10				

Single-phase electric pumps are available with or without float switch

Electric submersible pump SRF DC

Performance characteristics 2800 rpm

Direct Current 24 V	Nominal Characteristics			Cable		Flow																					
						HP	KW	A	m	DNM	m ³ /h	0	0,36	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8						
														Total manometric head in meters													
Radial Impeller																											
SRF75	4/80	DC		0,75	0,55	28			5	1"¼	40	38	37	34	30	26	21	17	11	7							

Type	Dimensions mm			Weight Kg	
	A	B	C		
SRM07	3/100	437	80	130	11,3
SRM09	4/100	461	80	130	11,5
SRM11	5/100	500	80	130	12,8
SRM13	6/100	544	80	130	14,5
SRM16	7/100	588	80	130	16,5
SRT09	4/100	461	80	130	11,5
SRT11	5/100	500	80	130	12,8
SRT13	6/100	544	80	130	14,5
SRT16	7/100	588	80	130	16,5
SRF75	4/80	500	80	130	10,2

Type	Dimensions mm			Weight Kg	
	A	B	C		
SRM10	4/140	461	80	130	11,6
SRM13	5/140	500	80	130	13,2
SRM16	6/140	544	80	130	14,6
SRT10	4/140	461	80	130	11,6
SRT13	5/140	500	80	130	13,2
SRT16	6/140	544	80	130	14,6



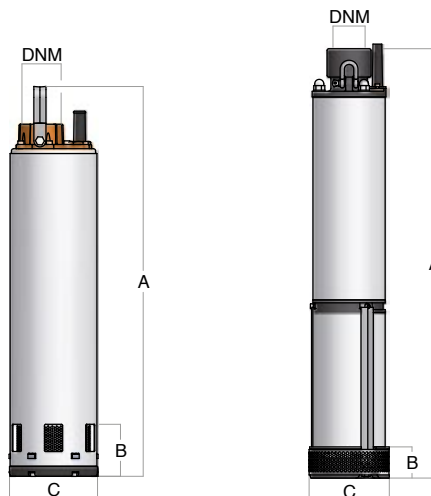
Performance characteristics 2 poles 50 Hz

Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz	Nominal Characteristics		450 V Cable		Flow																	
						HP	KW	A 1~	A 3~	μF	m	DNM	l/min	0	1,2	3,6	6	8,4	10,8	12	13,2	14,4	15,6
Total manometric head in meters																							
Radial Impeller																							
SRM15	3/200	SRT15	3/200	1,5	1,1	8	3	40	10	2"	51	49	43	35	26	14	7,5	0,5					
SRM20	4/200	SRT20	4/200	2	1,5	10	3,5	45	10	2"	68	65	57	47	35	19	10	1					
		SRT30	5/200	3	2,2		5		10	2"	86	81	71	59	43	24	13	1,5					
		SRT40	11/230	4	3		8		3	2"	103			91	79	61	51	39					
		SRT55	13/230	5,5	4		10		3	2"	125			111	94	72	59	44					
Radial Impeller																							
SRM15	2/300	SRT15	2/300	1,5	1,1	8	3	40	10	2"	36		33	30	26	21,5	19	16	13	10	7	4	1
SRM20	3/300	SRT20	3/300	2	1,5	10	3,5	45	10	2"	53		49	44	38	32	28	24	20	15	11	6,5	1,5
		SRT30	4/300	3	2,2		5		10	2"	71		64	58	51	42	37	32	26	20	15	8,5	2
		SRT40	5/300	4	3		7		10	2"	89		81	74	64	53	47	40	33	25	18	11	2,5
		SRT55	9/330	5,5	4		10		3	2"	89				68	63	58	53	47	41	34	27	

Performance characteristics 2 poles 50 Hz

Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz	Nominal Characteristics		450 V Cable		Flow																	
						HP	KW	A 1~	A 3~	μF	m	DNM	l/min	0	11,4	12,6	13,8	15,6	18	19,8	24	27	30
Total manometric head in meters																							
Radial Impeller																							
		SRT40	4/400	4	3		8		3	2"	50	41	40	37	35	31	28	20	14				
		SRT55	5/400	5,5	4		10		3	2"	64	52	51	49	46	42	38	29	20				
Semi-Axial impeller																							
		SRT55	3/700	5,5	4		10		3	2"	41				35	34	31	28	25	22	18	9	

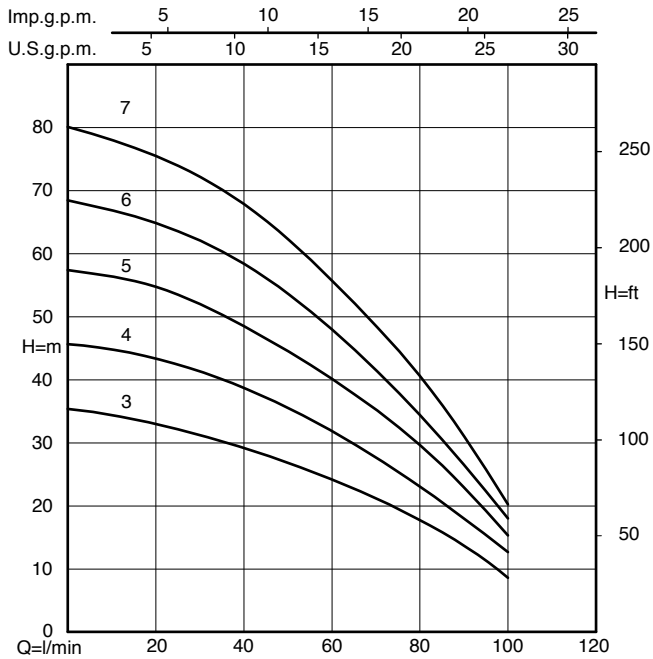
Type	Dimensions mm	Weight	Dimensions mm			Kg
			A	B	C	
SRM15	3/200	21,2	639	150	145	21,2
SRM20	4/200	24,0	700	150	145	24,0
SRT15	3/200	20,4	639	150	145	20,4
SRT20	4/200	20,8	675	150	145	20,8
SRT30	5/200	23,7	736	150	145	23,7
SRM15	2/300	20,0	603	150	145	20,0
SRM20	3/300	23,3	664	150	145	23,3
SRT15	2/300	19,8	603	150	145	19,8
SRT20	3/300	20,3	639	150	145	20,3
SRT30	4/300	23,5	700	150	145	23,5
SRT40	5/300	27,0	776	150	145	27,0



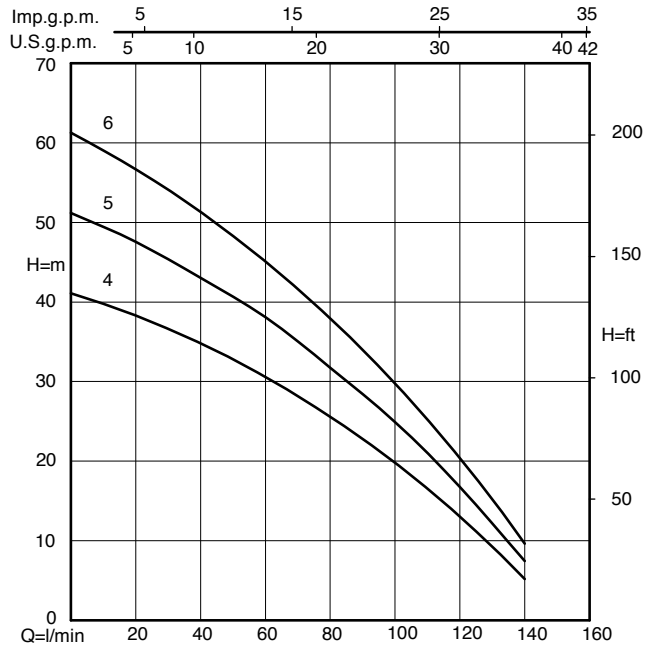
Type	Dimensions mm	Weight	Dimensions mm			Kg
			A	B	C	
SRT40	11/230	37,0	1375	60	142	37,0
SRT55	13/230	42,4	1496	60	142	42,4
SRT55	9/330	39,4	1352	60	142	39,4
SRT40	4/400	39,5	1185	60	142	39,5
SRT55	5/400	44,4	1284	60	142	44,4
SRT55	3/700	38,9	1262	60	142	38,9

Electric submersible pumps SRM - SRT - SRF for 6" wells

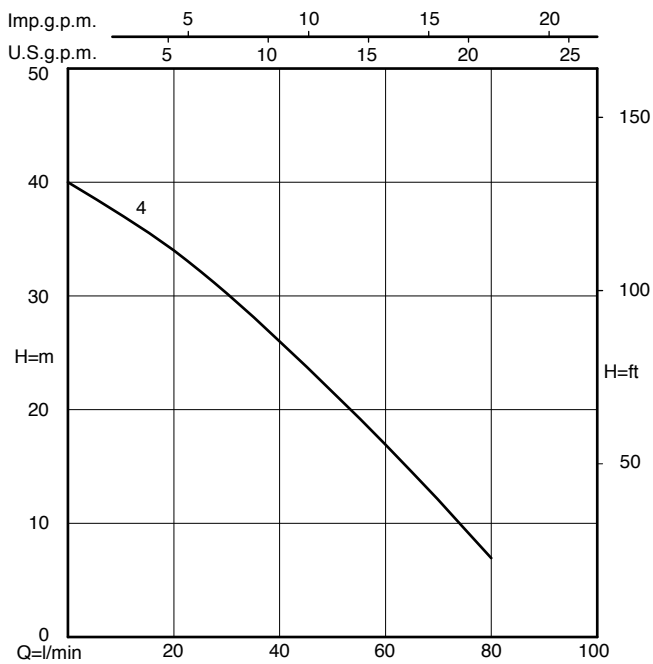
Series /100



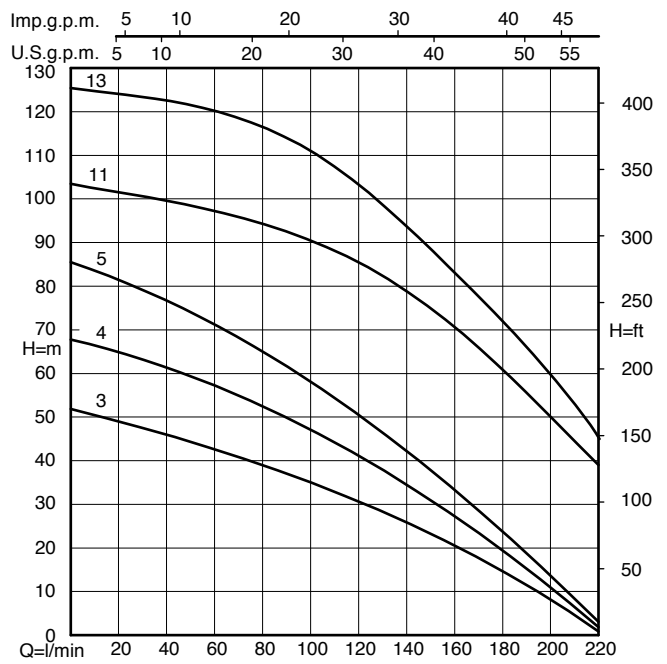
Series /140



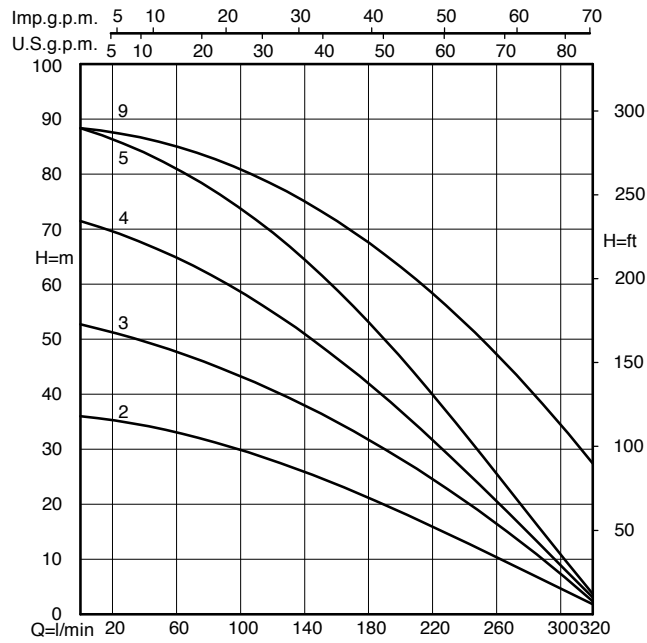
Series SRF /80



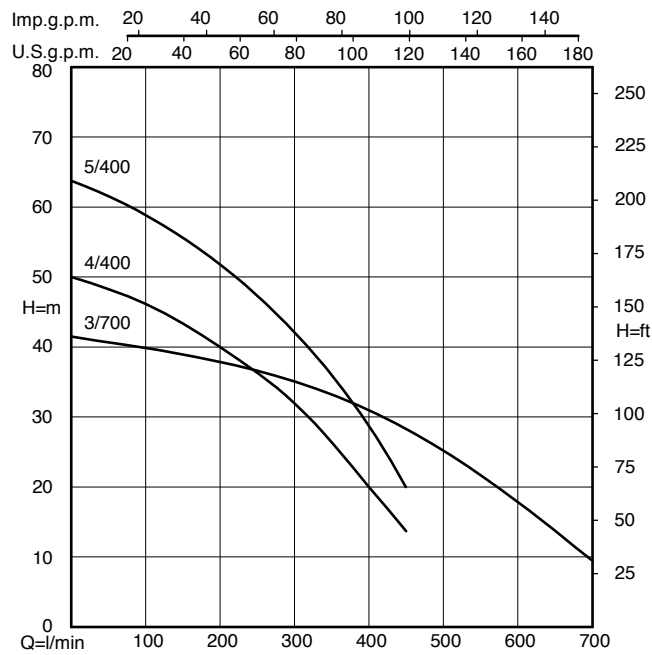
Series /200 - /230



Series /300 - /330



Series /400 - /700





SEMISOM

Electric submersible pumps SEMISOM for dirty water



Application

- To expel rainwater and waste water coming from electric household appliances;
- To drain tanks, cellars and garages;
- To transfer water from pools and fountains;
- Irrigation.

Application features

- Maximum immersion depth **20 m** (**5 m** series Seminox);
- Maximum number of starts per hour **40** (**30** series Seminox);
- Maximum temperature of the liquid pumped: **35 °C** in case of continuous duty **S1** series Seminox, **50 °C** in case of continuous duty **S1** series Semisom, **45 °C** in case of intermittent duty **S2** 60 min series Semisom DC 24 V;
- Degree of protection **IP 68**;
- Insulation class **F**.

Construction

- Coolant filled, asynchronous rewindable motor with short circuit rotor;
 - Twin seal with oil chamber.
- SEMISOM C:
- Internal capacitor and thermal protector put in a separate, easily-accessible, watertight chamber.
- SEMISOM M:
- Supplied with a control box containing pump capacitor and unipolar thermal protector switch.

SEMINOX:

- Asynchronous motor with short circuit rotor;
- Built-in capacitor and thermal protector.

SEMISOM DC 24 V:

- 24 V DC with permanent magnets motor, with dry-brush rotor;
- Twin seal with oil chamber.



Components

Electric pump	Seminox	Semisom
Handle, motor casing, bolts and nuts	Stainless steel AISI304	Stainless steel AISI304
Shaft	Stainless steel AISI303	Stainless steel AISI420B
Cover and pump body	Stainless steel AISI304	Mechanical cast iron EN GJL-250
Tie rods		Stainless steel AISI304
Impeller	Stainless steel AISI304 (Seminox 155 in technopolymer reinforced with fibre-glass)	Mechanical cast iron EN GJL-200 (Semisom 190 - 130 H in technopolymer reinforced with fibre-glass)
Mechanical seal	Graphite and alumina	Silicon carbide and alumina
Seal ring		NBR rubber
Elastomers	NBR rubber	NBR rubber
Cable	Neoprene H07RN-F	Neoprene H07RN-F (Semisom C/T+G Neoprene H07RN8-F)

Electric submersible pumps SEMISOM

for dirty water with vertical discharge

Performance characteristics 2 poles 50 Hz

Single-Phase 230V Three-Phase 400V 50 Hz	Version *	Nominal		Max		450 V Cable		Solids passage ø	Flow													
		HP	KW	A 1~	A 3~	µF	m		DNM	m³/h	0	1,8	6	9	12	15	18	21	24	27		
										Total manometric head in meters												
Open Impeller																						
SEMINOX 155 C		0,33	0,25	1,9		8	5	1"¼	10	7,6	6,8	4,3	1,5									
SEMINOX 155 L C		0,33	0,25	2,2		8	5	1"¼	20	6,5	5,9	4,2	2,4									
SEMISOM 190 C/M/T		0,5	0,37	2,5	1,2	10	5	1"¼	5	10,5	9,5	7	4	1								
SEMISOM 320 C/M/T/T+G		0,75	0,55	4,2	1,7	16	5	1"¼	13	11,5	11	9	7,5	5,5	3	0,5						
SEMISOM 465 C/M/T/T+G		1,5	1,1	7,3	2,7	20	5	2"	5	19		17,5	16,5	15,5	14	12	9,5	6,5	1			

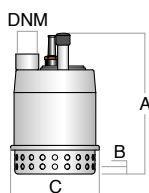
* C : Single-phase with internal capacitor and float switch

M : Single-phase with external capacitor with or without float switch

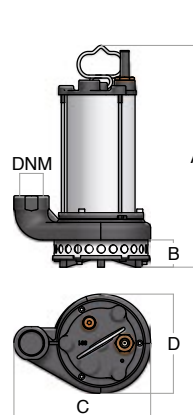
T : Three-phase without float switch

T+G : Three-phase with float switch

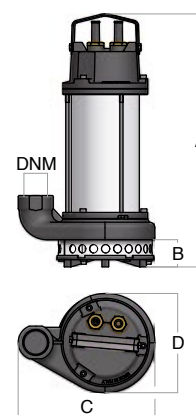
Type	Dimensions mm				Weight Kg
	A	B	C	D	
Seminox 155 C	273	20	167		4,6
Seminox 155 L C	304	45	167		5,0
Semisom 190 C	393	50	225	164	12,8
Semisom 320 C/T+G	418	50	225	164	14,9
Semisom 465 C/T+G	484	60	250	172	21,8
Semisom 190 M/T	335	50	225	164	10,8
Semisom 320 M/T	360	50	225	164	13,0
Semisom 465 M/T	440	60	250	172	19,5



Seminox



Semisom M/T



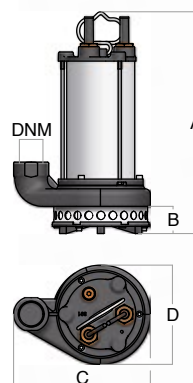
Semisom C/T+G

Electric submersible pumps SEMISOM DC

Performance characteristics 2800 rpm

Direct Current 24 V	Nominal		Max A	Cable		Solids passage ø	Flow														
	HP	KW		m	DNM		m³/h	0	1,8	6	9	12	15	18							
							Total manometric head in meters														
Open Impeller																					
SEMISOM 190 DC	0,5	0,37	24	5	1"¼	5	10,5	9,5	7	4	1										
SEMISOM 320 DC	0,75	0,55	28	5	1"¼	13	11,5	11	9	7,5	5,5	3	0,5								

Type	Dimensions mm				Weight Kg
	A	B	C	D	
Semisom 190 DC	385	50	225	164	10,2
Semisom 320 DC	400	50	225	164	11,6



High head electric submersible pumps SEMISOM H for dirty water with horizontal discharge

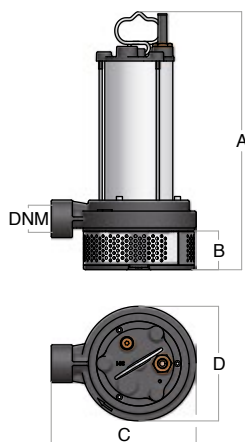


Performance characteristics 2 poles 50 Hz

Single-Phase 230 V Three-Phase 400 V 50 Hz	Version *	Nominal		Max		450 V Cable		Solids DNM passage ø	Flow						
		HP	KW	A 1~	A 3~	µF	m		m³/h	0	1,2	2,4	3,6	4,8	6
									0	20	40	60	80	100	
										Total manometric head in meters					
High head Open Impeller															
SEMISOM 130 H	M/T	1,5	1,1	7,6	2,9	25	10	1"½	5	30	29	26,5	23,5	19,5	15

* M : Single-phase with external capacitor with or without float switch

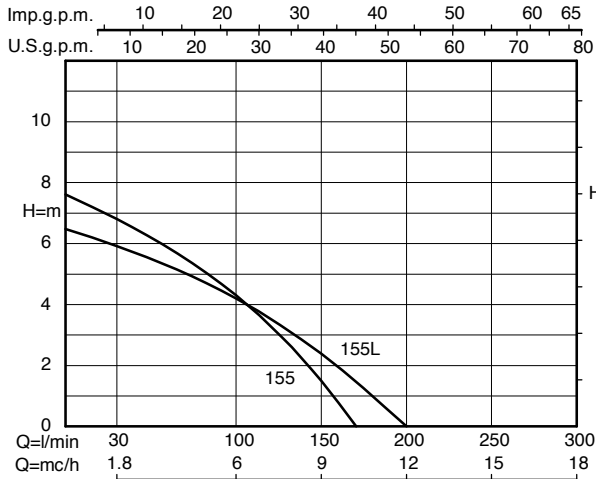
T : Three-phase



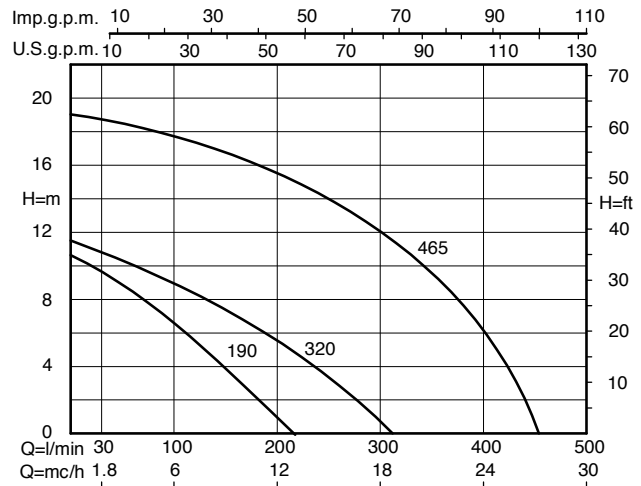
Type	Dimensions mm				Weight Kg
	A	B	C	D	
Semisom 130 H M	426	69	240	190	21,8
Semisom 130 H T	426	69	240	190	21,5

Electric submersible pumps SEMISOM for dirty water

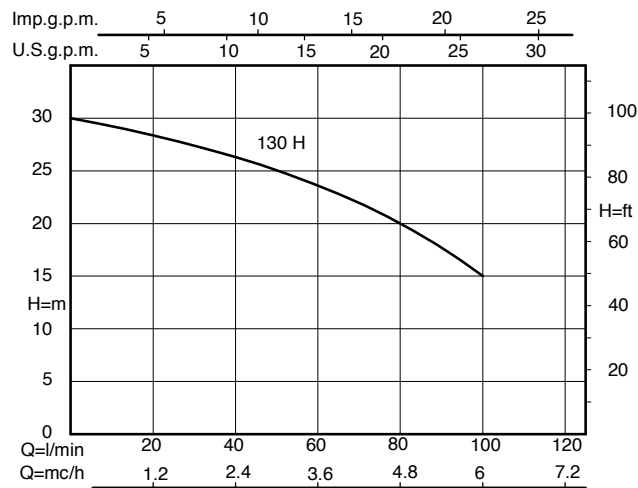
Seminox 155 - 155 L



Semisom 190 - 320 - 465



Semisom 130 H







SEMISOM

Electric submersible pumps SEMISOM for sewage water



Application

- To convey waste and sewage water from septic tanks;
- To drain rain water;
- To pump liquids containing solids and filaments;
- To pump sewage water even through pipes with reduced diameter (Semisom 125 GR with grinder).

Application features

- Maximum size of solids allowed **65 mm**;
- Maximum immersion depth **20 m**;
- Maximum number of starts per hour **40**;
- Maximum temperature of the liquid pumped:
50 °C in case of continuous duty **S1** series Semisom,
45 °C in case of intermittent duty **S2** 60 min series
Semisom DC 24 V;
- Degree of protection **IP 68**;
- Insulation class **F**.

Construction

- Coolant filled, asynchronous rewindable motor with short circuit rotor;
- Twin seal with oil chamber;
- SEMISOM C:
- Internal capacitor and thermal protector put in a separate, easily-accessible, watertight chamber.
- SEMISOM M:
- Supplied with a control box containing pump capacitor and unipolar thermal protector switch.
- SEMISOM 650:
- The volute of the pump is already provided with quick connection for guide rail kit.

SEMISOM DC 24 V:

- 24 V DC with permanent magnets motor, with dry-brush rotor;
- Twin seal with oil chamber.

Accessories

- Guide rail kit.



Components

Electric pump	Semisom	Semisom GR
Tie rods, handle, motor casing, bolts and nuts	Stainless steel AISI304	Stainless steel AISI304
Shaft	Stainless steel AISI420B	Stainless steel AISI416B
Cover and pump body	Mechanical cast iron EN GJL-250	Mechanical cast iron EN GJL-250
Impeller	Mechanical cast iron EN GJL-200	Technopolymer reinforced with fibre-glass
Grinder		Forged Stainless steel AISI440C
Mechanical seal	Silicon carbide and alumina	Silicon carbide and alumina
Seal ring	NBR rubber	NBR rubber
Elastomers	NBR rubber	NBR rubber
Cable	Neoprene H07RN-F (Semisom C/T+G Neoprene H07RN8-F)	Neoprene H07RN-F

Electric submersible pumps SEMISOM

for sewage water with vertical discharge

Performance characteristics 2 poles 50 Hz

Single-Phase 230V Three-Phase 400 V 50 Hz	Version *	Nominal		Max		450 V Cable		Solids passage ø	m³/h l/min	Flow													
		HP	KW	A 1~	A 3~	µF	m			DNM	0	1,8	6	9	12	15	18	21	24	27	30	36	
											Total manometric head in meters												
Vortex Impeller																							
SEMISOM 265	C/M/T/T+G	0,75	0,55	4,2	1,7	16	5	1"½	40	8,5	8	6,5	5,5	4	3	1							
SEMISOM 390	C/M/T/T+G	1	0,75	5,5	2,3	16	5	2"	50	10	8,5	8	7	6	5	4	3	2	1				
SEMISOM 490	C/M/T/T+G	1,5	1,1	7,3	2,7	20	5	2"	50	11	9,5	9	8	7,5	6,5	5,5	5	4	3	1			
Double-Channel Impeller																							
SEMISOM 262	C/M/T/T+G	0,75	0,55	4,2	1,7	16	5	2"	32	10,5	10	9	8	7	6	4,5	3	1					
SEMISOM 635	C/M/T/T+G	1,5	1,1	7,3	2,7	20	5	2"	32	15	14,5	13,5	13	12	11	10	9	7,5	6,5	5	2		

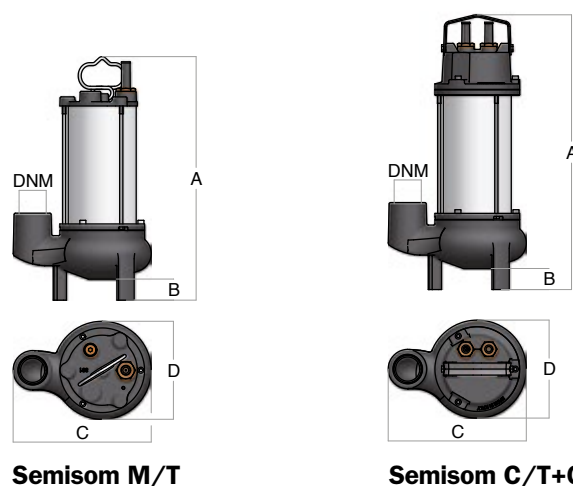
* C : Single-phase with internal capacitor and float switch

M : Single-phase with external capacitor with or without float switch

T : Three-phase without float switch

T+G : Three-phase with float switch

Type		Dimensions mm				Weight Kg
		A	B	C	D	
Semisom 265	C/T+G	454	50	230	162	16,5
Semisom 390	C/T+G	502	65	235	162	17,7
Semisom 490	C/T+G	527	65	235	162	19,5
Semisom 262	C/T+G	450	60	250	172	19,1
Semisom 635	C/T+G	484	60	250	172	21,3
<hr/>						
Semisom 265	M/T	400	50	230	162	13,6
Semisom 390	M/T	450	65	235	162	15,7
Semisom 490	M/T	474	65	235	162	16,5
Semisom 262	M/T	400	60	250	172	16,7
Semisom 635	M/T	440	60	250	172	19,3

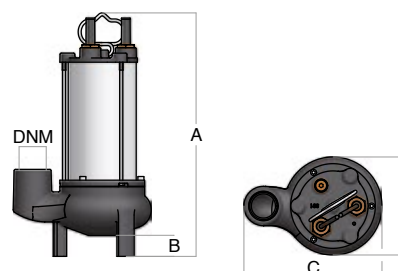


Electric submersible pumps SEMISOM DC

Performance characteristics 2800 rpm

Direct Current 24 V	Nominal		Max A	Cable		Solids passage ø	m³/h l/min	Flow											
	HP	KW		m	DNM			0	1,8	6	9	12	15	18	21	24			
								Total manometric head in meters											
Vortex Impeller																			
SEMISOM 265 DC	0,75	0,55	28	5	1"½	40	8,5	8	6,5	5,5	4	3	1						
Double-Channel Impeller																			
SEMISOM 262 DC	0,75	0,55	28	5	2"	32	10,5	10	9	8	7	6	4,5	3	1				

Type	Dimensions mm				Weight Kg
	A	B	C	D	
Semisom 265 DC	440	50	230	162	13,0
Semisom 262 DC	440	60	250	172	15,3



Electric submersible pumps SEMISOM

for sewage water with horizontal discharge



Performance characteristics 2 poles 50 Hz

Single-Phase 230 V Three-Phase 400 V 50 Hz	Version *	Nominal		Max		450 V Cable		Solids passage ø	m ³ /h l/min	Flow												
		HP	KW	A 1~	A 3~	µF	m			DNM	0	1,8	6	9	12	15	18	21	24	27	30	36
											Total manometric head in meters											
Vortex Impeller																						
SEMISOM 290 O	C/M/T	0,75	0,55	4,2	1,7	16	10	2"	50	8,5	7	6,5	5,5	4,5	3,5	2,5	1					
SEMISOM 390 O	C/M/T	1	0,75	5,5	2,3	16	10	2"	50	10	8,5	8	7	6	5	4	3	2	1			
SEMISOM 490 O	C/M/T	1,5	1,1	7,3	2,7	20	10	2"	50	11	9,5	9	8	7,5	6,5	5,5	5	4	3	1		
SEMISOM 590 O	M/T	2	1,5	10,5	4,1	31,5	10	2"	50	14,5	13	12,5	11,5	11	10	9	8	7,5	6,5	5		
Double-Channel Impeller																						
SEMISOM 635 O	C/M/T	1,5	1,1	7,3	2,7	20	5	2"	32	15	14,5	13,5	13	12	11	10	9	7,5	6,5	5	2	

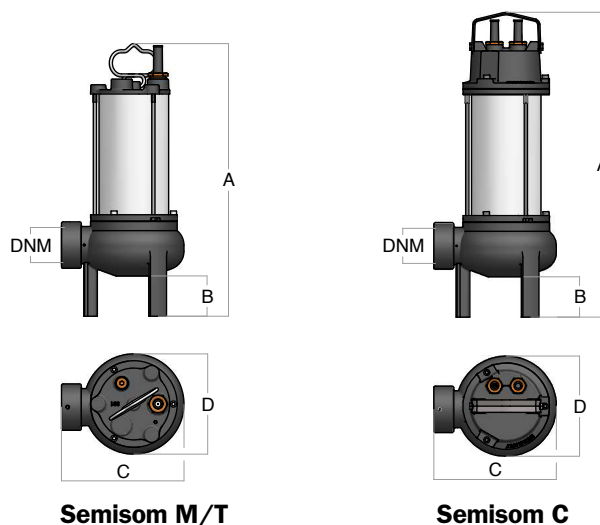
Guide rail kit is available, on request

* C : Single-phase with internal capacitor and float switch

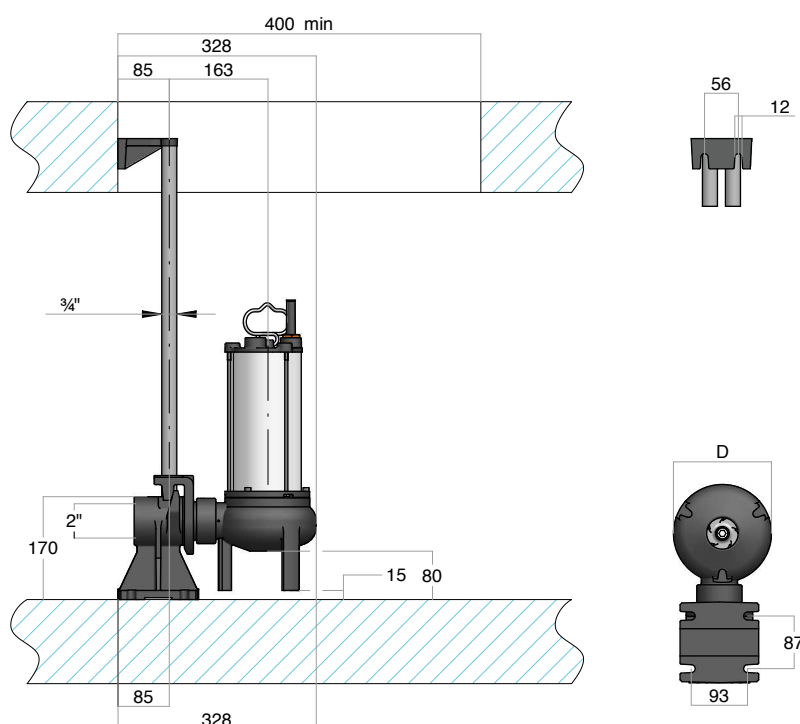
M : Single-phase with external capacitor with or without float switch

T : Three-phase without float switch

Type	Dimensions mm				Weight Kg
	A	B	C	D	
Semisom 290 O C	492	65	198	162	16,5
Semisom 390 O C	502	65	198	162	17,5
Semisom 490 O C	526	65	198	162	18,8
Semisom 635 O C	484	60	220	172	22,0
Semisom 290 O M/T	440	65	198	162	14,4
Semisom 390 O M/T	450	65	198	162	15,7
Semisom 490 O M/T	474	65	198	162	16,5
Semisom 590 O M/T	496	65	198	162	18,2
Semisom 635 O M/T	440	60	220	172	20,1



Guide rail kit



Electric submersible pumps SEMISOM 650 with quick connection for sewage water

Performance characteristics 2 poles 50 Hz

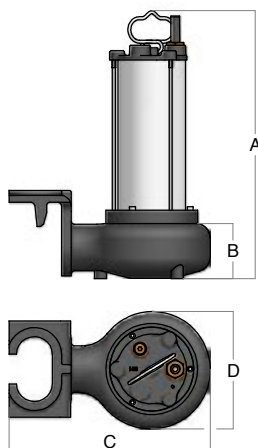
Single-Phase 230 V Three-Phase 400 V 50 Hz	Version *	Nominal		Max		450 V Cable		Solids passage ø	Flow											
		HP	KW	A 1~	A 3~	µF	m		DNM	m³/h	0	1,8	6	9	12	15	18	21	24	27
									Total manometric head in meters											
Vortex Impeller																				
SEMISOM 650	M/T	2	1,5	12	4,6	31,5	10	2"½	65	9	8	7,5	7	6,5	6	5,5	5	4,5	4	3

To be installed only with guide rail kit

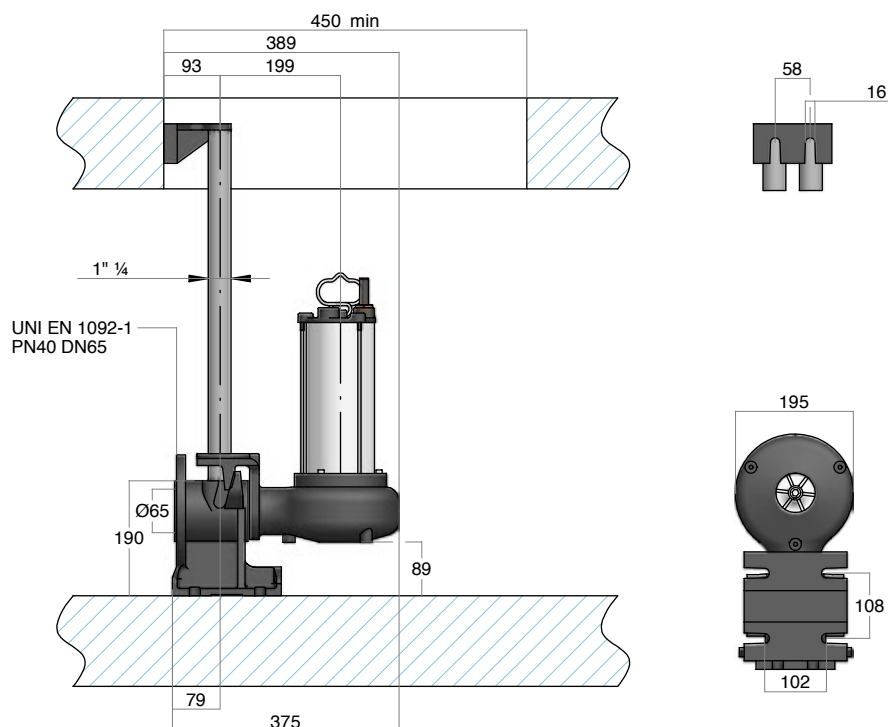
* M : Single-phase with external capacitor with or without float switch

T : Three-phase

Type	Dimensions mm				Weight Kg
	A	B	C	D	
Semisom 650 M	445	91	334	195	23,0
Semisom 650 T	445	91	334	195	22,7



Guide rail kit



Electric submersible pumps SEMISOM GR with grinder for sewage water



Performance characteristics 2 poles 50 Hz

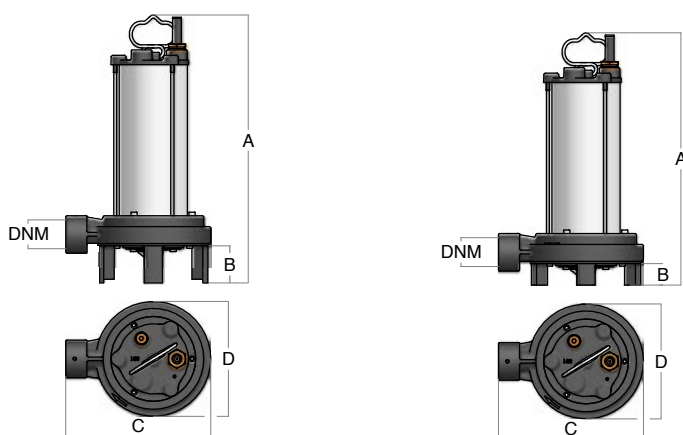
Single-Phase 230 V Three-Phase 400 V 50 Hz	Version *	Nominal		Max		450 V Cable			Flow								
		HP	KW	A 1~	A 3~	μF	m	DNM	m³/h	0	1,2	2,4	3,6	4,8	6	6,6	
										0	20	40	60	80	100	110	
									Total manometric head in meters								
High head Open Impeller																	
SEMISOM 125 GRP	M/T	1,6	1,18	9,2	2,9	35	10	1"½		30	27,5	25,5	22,5	19	14	3	
*SEMISOM 125 GR	M/T	1,6	1,18	9,2	2,9	35	10	1"½		30	27,5	25,5	22,5	19	14	3	

Guide rail kit is available, on request

* Without stands (suggested to avoid the risks of entanglement of filaments)

* M : Single-phase with external capacitor with or without float switch

T : Three-phase

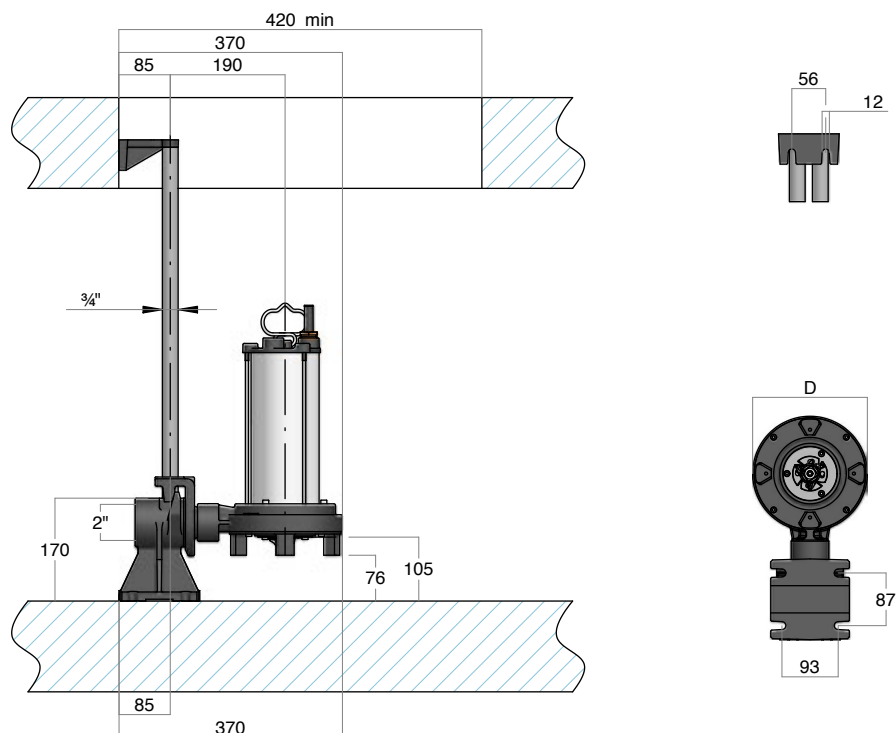


Semisom GRP

Semisom GR

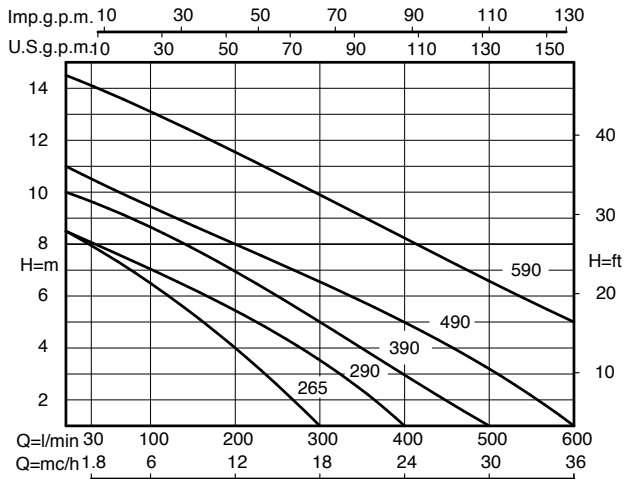
Type	Dimensions mm				Weight Kg
	A	B	C	D	
Semisom 125 GRP M	441	54	240	190	22,1
Semisom 125 GRP T	421	54	240	190	21,4
Semisom 125 GR M	416	29	240	190	21,9
Semisom 125 GR T	396	29	240	190	21,2

Guide rail kit

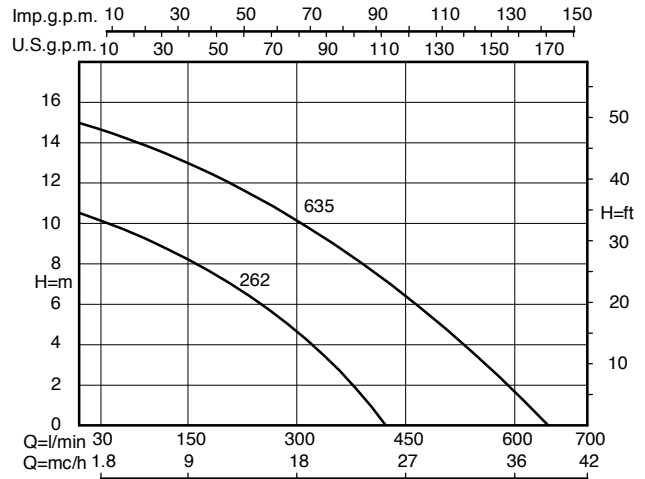


Electric submersible pumps SEMISOM for sewage water

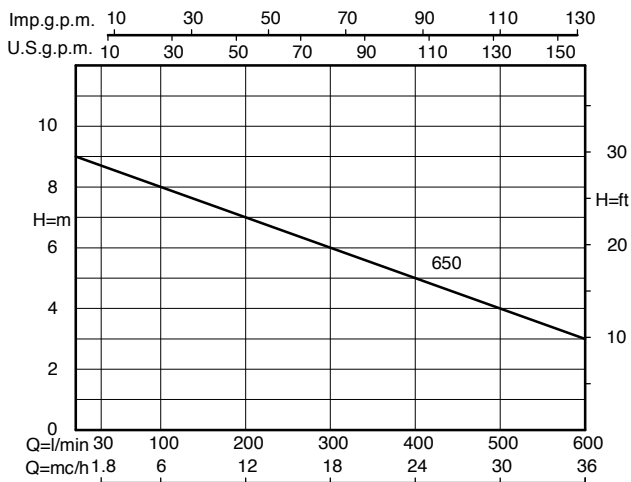
Semisom 265 - 290 - 390 - 490 - 590



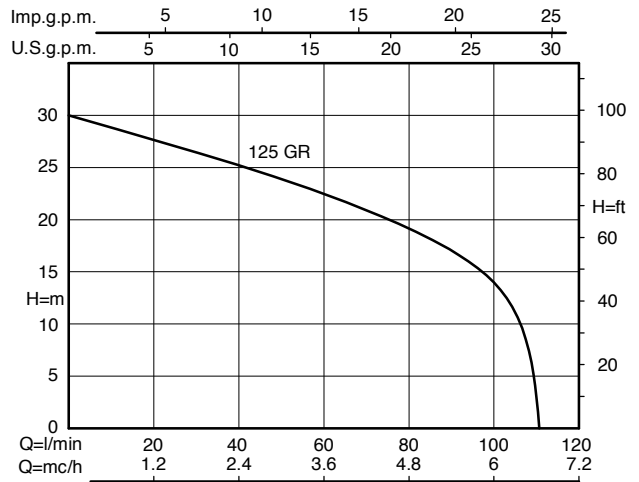
Semisom 262 - 635



Semisom 650



Semisom 125 GR



Automatic pumping station SEMIBOX for sewage water

Application

- Suitable to collect and convey waste and sewage water;
- Advisable when the sewers are higher than the collecting system;
- The collecting tanks can be installed inside garages, basements or underground.

Application features

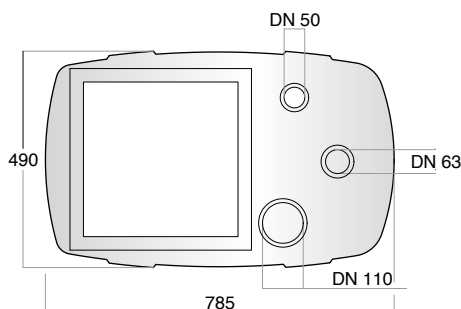
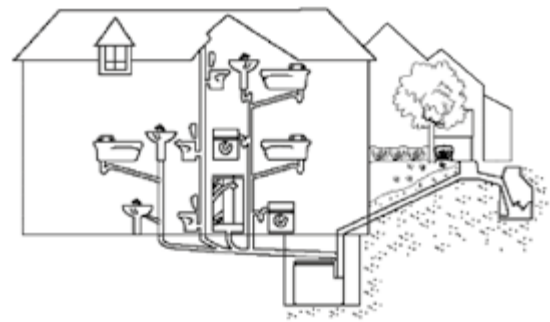
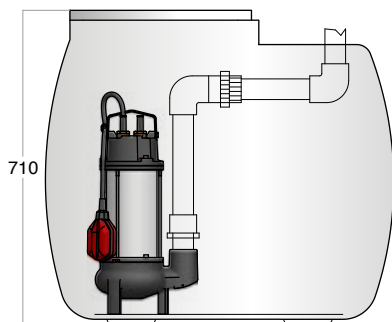
- Maximum capacity **200 litres**.

Control

- By means of a float switch supplied with the electric pump.

Construction

- Tank in corrosion-resistant, high-density polyethylene for either surface or underground installation;
- Supplied with the necessary gaskets for both inlet and outlet pipes and ventilation hole;
- Discharge pipe has simple release fittings to disconnect the pump;
- The hermetically sealed lid can be removed for inspecting the plant;
- The electric pump and tank can be coupled using either $\varnothing 50$ mm or $\varnothing 63$ mm dia. pipe;
- Facility for one electric submersible Semisom pump (not included).





SEMISOM / 50- / 65

Electric submersible pumps SEMISOM /50 - /65 for sewage water



Application

- To convey waste and sewage water from septic tanks;
- To drain rain water;
- To pump liquids containing solids, filaments and sewage keeping its biological process unchanged (Semisom 754/65 4 poles).

Application features

- Maximum size of solids allowed **65 mm**;
- Maximum immersion depth **20 m**;
- Maximum number of starts per hour **30**;
- Maximum temperature of the liquid pumped **50 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 68**;
- Insulation class **F**.

Construction

- Coolant filled, asynchronous rewindable motor with short circuit rotor;
- Twin seal with oil chamber;
- The single-phase version is provided with a control box containing pump capacitor and indicator light with thermal protector switch.

Accessories

- Guide rail kit.



Components

Electric pump	Semisom /50 - /65
Tie rods, handle, motor casing, bolts and nuts	Stainless steel AISI304
Shaft	Stainless steel AISI420B
Cover and pump body	Mechanical cast iron EN GJL-250
Impeller	Mechanical cast iron EN GJL-200
Mechanical seal	Silicon carbide and alumina
Seal ring	NBR rubber
Elastomers	NBR rubber
Cable	Neoprene H07RN-F

Electric submersible pumps SEMISOM / 50 - / 65

for sewage water

Performance characteristics 2 poles 50 Hz

Single-Phase 230 V Three-Phase 400 V 50 Hz	*	Nominal		Max		450 V Cable		Solids DNM passage ø	Flow														
		HP	KW	A 1~	A 3~	µF	m		m³/h	0	6	12	18	24	30	36	42	48	54	60	66	78	90
Total manometric head in meters																							
Vortex Impeller																							
SEMISOM 500/50	M/T	1,5	1,1	9,2	3,3	40	10	2"	50	10	9,5	8,5	7,5	6	3								
SEMISOM 800/50	M/T	2	1,5	11,4	4	45	10	2"½	50	11,5	11	10	9,5	8,5	7	4							
SEMISOM 1100/65	T	3	2,2		6		10	3"	65	13	12	11	9,5	8,5	7	5,5	4	2,5	1				
SEMISOM 1300/65	T	4,5	3,4		8,1		10	3"	65	18,5	17	16	14,5	13	11,5	10	8,5	7	5,5	3,5	2		
Double-Channel Impeller																							
SEMISOM 700/50	M/T	1,5	1,1	9,2	3,3	40	10	2"	50	14	13	11,5	10	8,5	7	5	3	1					
SEMISOM 900/50	M/T	2	1,5	11,4	4	45	10	2"½	50	16	15	14	12,5	11,5	10	8	6,5	5	3	0,5			
SEMISOM 1000/50	T	3	2,2		5,9		10	2"½	50	20,5	19,5	18	17	15,5	14	12	10,5	8,5	6	4	1,5		
SEMISOM 1500/65	T	4,5	3,4		9		10	3"	65	19,5	18,5	17,5	16,5	15,5	14,5	13,5	12	11	10	8,5	7	4,5	1,5

Performance characteristics 4 poles 50 Hz

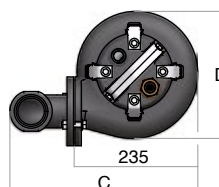
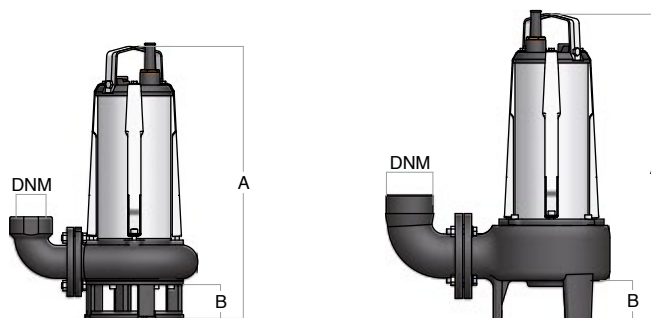
Single-Phase 230 V Three-Phase 400 V 50 Hz	*	Nominal		Max		450 V Cable		Solids DNM passage ø	Flow														
		HP	KW	A 1~	A 3~	µF	m		m³/h	0	6	12	18	24	27	30	33	36	39	42	45		
Total manometric head in meters																							
Vortex Impeller																							
SEMISOM 754/65	M/T	1,6	1,2	7,7	3,3	31,5	10	3"	65	7,8	7,3	6,7	6,2	5,5	5,1	4,6	4,2	3,7	3,2	2,5	1,9		

Available, on request, guide rail kit

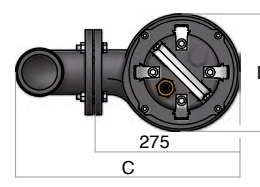
* M : Single-phase with external capacitor with or without float switch

T : Three-phase

Type	Dimensions mm				Weight Kg
	A	B	C	D	
Semisom 500/50 M	518	70	354	254	32,0
Semisom 800/50 M	543	70	362	254	34,5
Semisom 700/50 M	518	70	354	254	32,5
Semisom 900/50 M	543	70	362	254	35,0
Semisom 754/65 M	569	65	417	222	38,5
Semisom 500/50 T	508	70	354	254	30,5
Semisom 800/50 T	508	70	362	254	31,0
Semisom 1100/65 T	584	65	417	222	40,0
Semisom 1300/65 T	609	65	417	222	42,5
Semisom 700/50 T	508	70	354	254	31,0
Semisom 900/50 T	508	70	362	254	31,0
Semisom 1000/50 T	543	70	362	254	35,0
Semisom 1500/65 T	609	65	417	222	44,0
Semisom 754/65 T	569	65	417	222	38,5

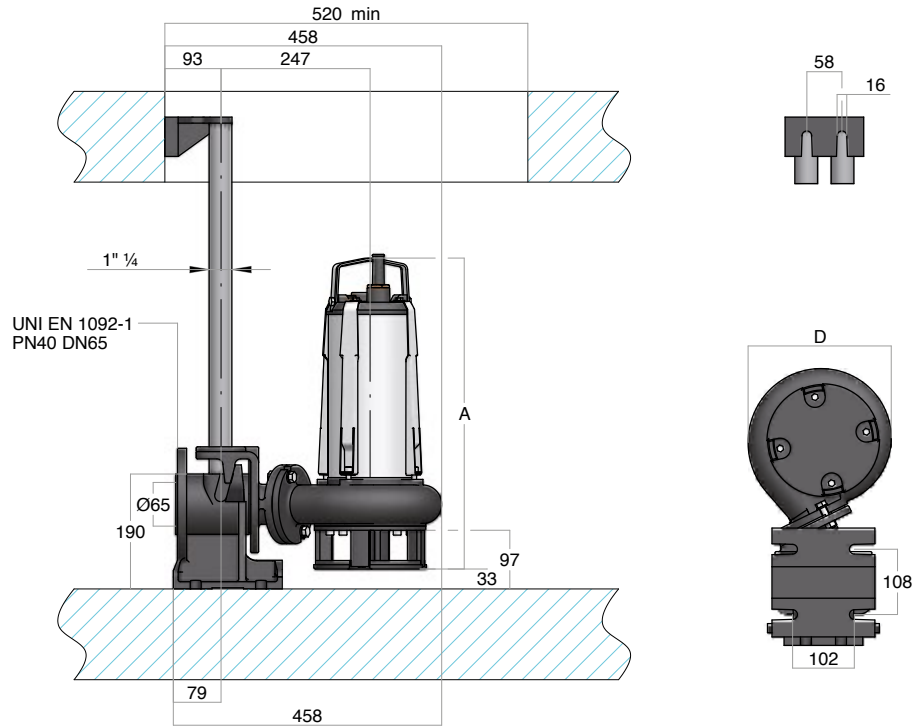


Semisom /50

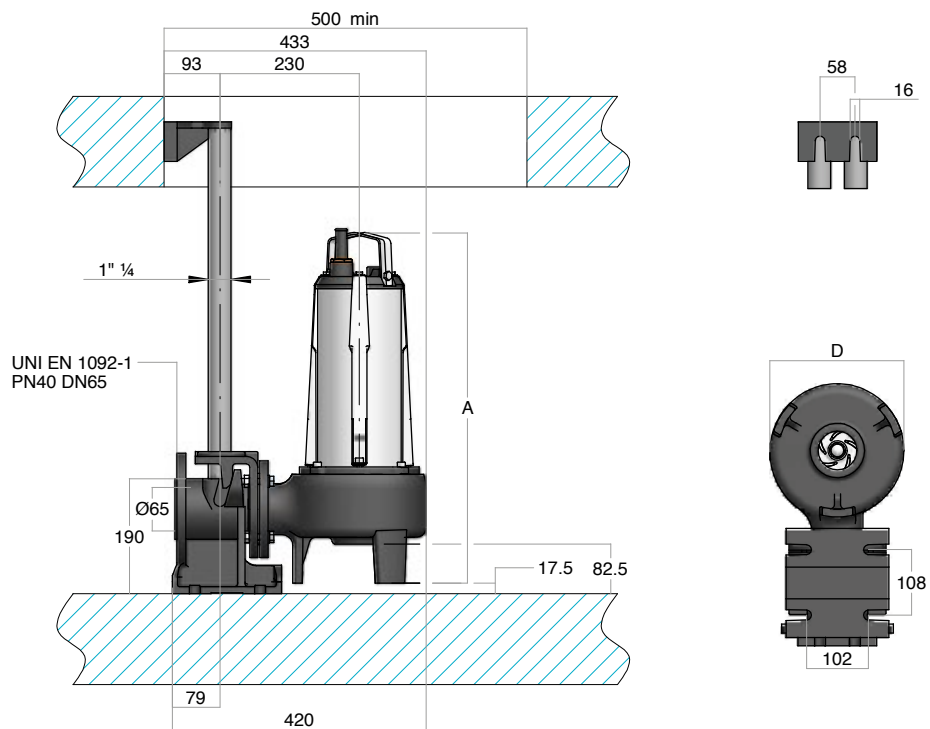


Semisom /65

Guide rail kit for Semisom /50



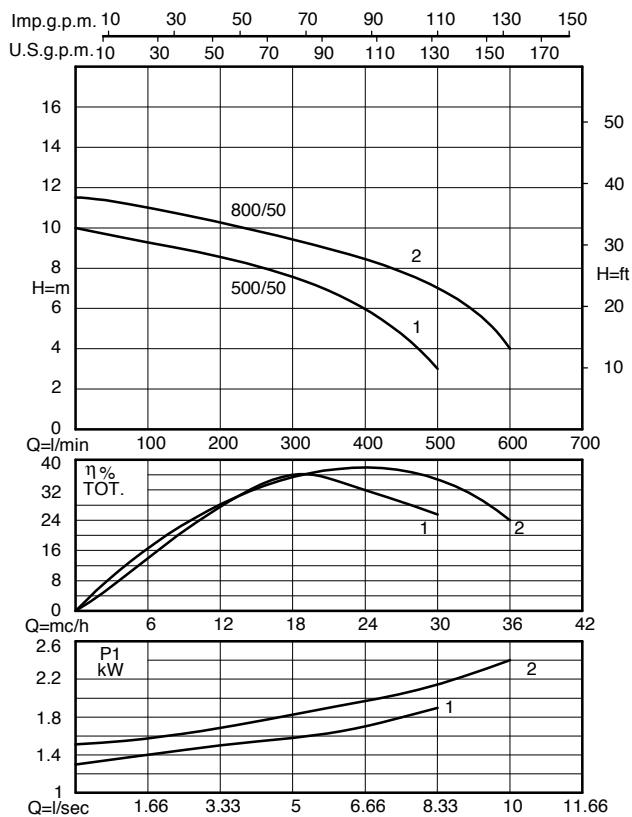
Guide rail kit for Semisom /65



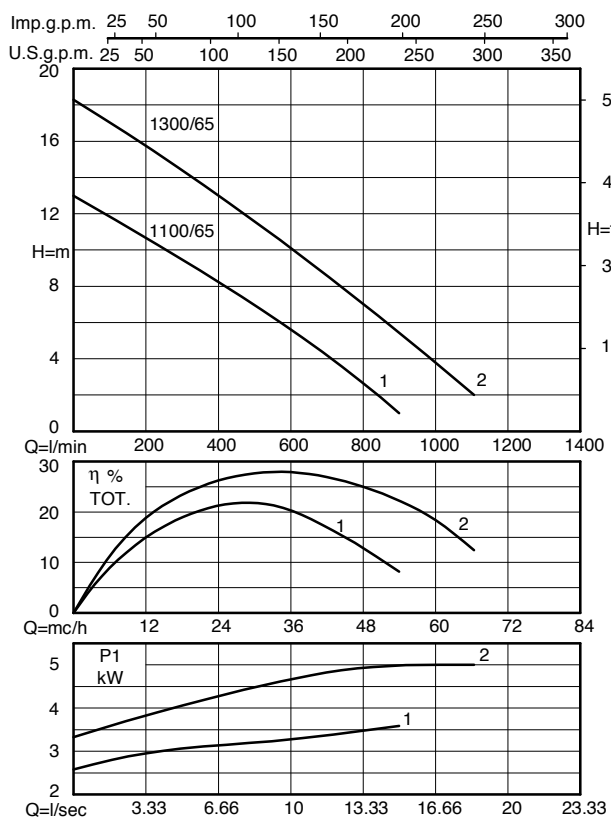
Electric submersible pumps SEMISOM / 50 - / 65

for sewage water

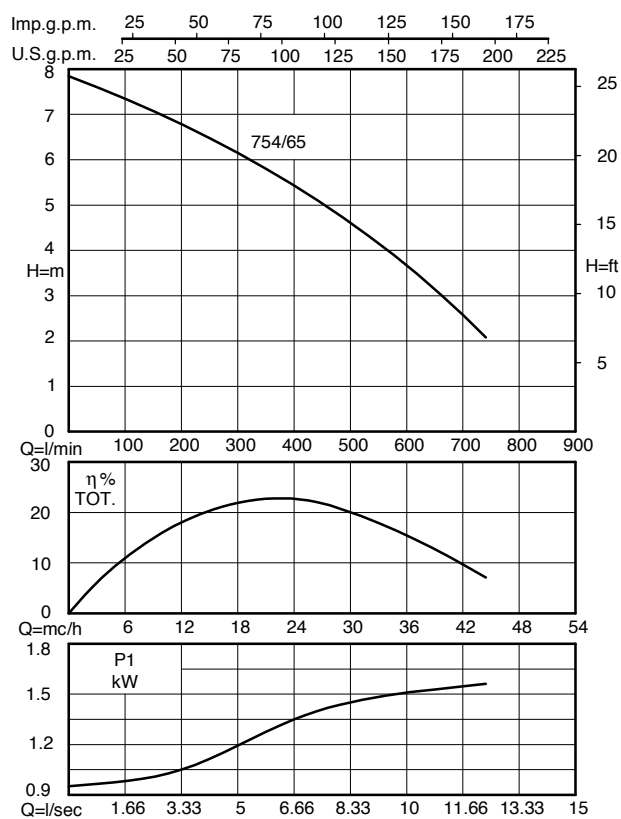
Semisom 500/50 - 800/50



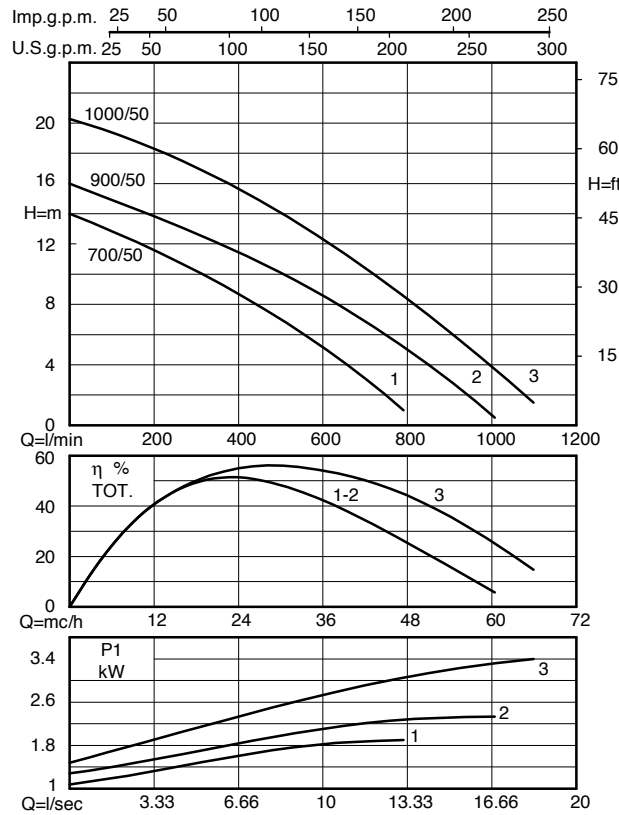
Semisom 1100/65 - 1300/65



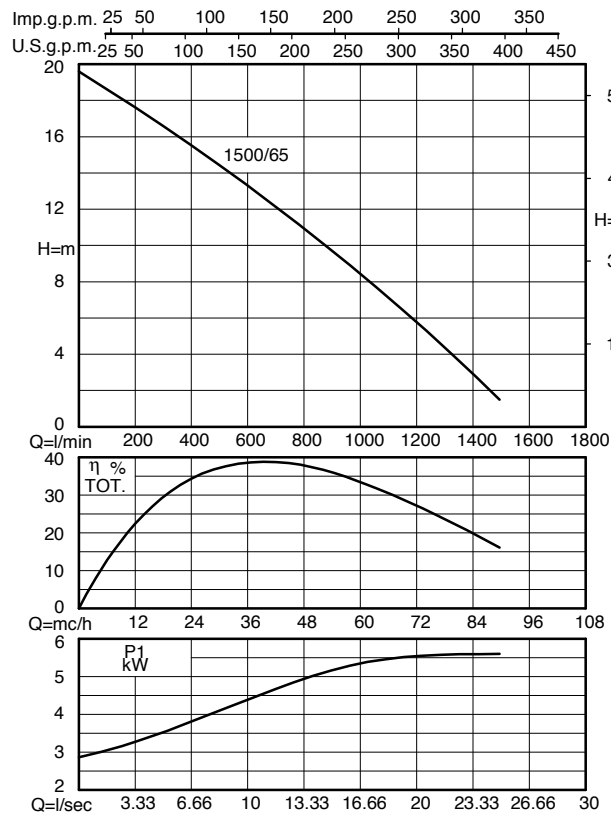
Semisom 754/65



Semisom 700/50 - 900/50 - 1000/50



Semisom 1500/65





SEMISOM / 80

Electric submersible pumps SEMISOM / 80 for sewage water



Application

- To convey waste and sewage water from septic tanks;
- To drain rain water;
- To pump liquids containing solids, filaments and sewage keeping its biological process unchanged (Semisom 1504/80 4 poles).

Application features

- Maximum size of solids allowed **74 mm**;
- Maximum immersion depth **20 m**;
- Maximum number of starts per hour **30**;
- Maximum temperature of the liquid pumped **50 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 68**;
- Insulation class **F**.

Construction

- Coolant filled, asynchronous rewindable motor with short circuit rotor;
- Twin mechanical seal in oil chamber;
- Humidity probe in the first chamber;
- Micro thermostat.

Accessories

- Pump stand;
- Guide rail kit;
- Threaded Flange UNI EN 1092-1 for pump discharge.



Components

Electric pump	Semisom /80
Tie rods, handle, motor casing, bolts and nuts	Stainless steel AISI304
Shaft	Stainless steel AISI420B
Cover and pump body	Mechanical cast iron EN GJL-250
Impeller	Mechanical cast iron EN GJL-250
Feet	Stainless steel AISI304
External mechanical seal	Silicon carbide and alumina
Mechanical seal in the first chamber	Graphite and alumina
Elastomers	NBR rubber
Cable	PBS8-F AD8

Electric submersible pumps SEMISOM / 80

for sewage water

Performance characteristics 2 poles 50 Hz

Three-Phase 400 V 50 Hz	P2		P1		Cable		Solids passage ø	m³/h l/min	Flow															
	HP	KW	KW	A max	m	DNM			0	15	30	45	60	72	78	90	96	108	123	135	150	165		
	Total manometric head in meters																							
Vortex Impeller																								
SEMISOM 1555/80	T	5,5	4	5,34	9,2	10	80	74	14	13,5	12,6	11,1	8,2	6,3	5,5	4								
SEMISOM 1255/80	T	5,5	4	5,31	9,1	10	80	74	15,5	14,6	13,7	12,4	9,7	7,7										
SEMISOM 1055/80	T	5,5	4	5,41	9,2	10	80	74	17	16,4	15,5	14,1	11,4											
SEMISOM 1775/80	T	7,5	5,5	6,8	11,9	10	80	74	17	16,4	15,5	14,1	11,4	9,1	8,1	6,5	5,7	4,4						
SEMISOM 1675/80	T	7,5	5,5	7	12	10	80	74	19	18,2	17,2	16	13,7	11,1	9,9	8,1	7,4							
SEMISOM 1375/80	T	7,5	5,5	6,8	11,9	10	80	74	21	20	18,5	17,2	15	12,7	11,6									
SEMISOM 2100/80	T	10	7,5	9	16,2	10	80	74	21	20	18,5	17,2	15	12,7	11,6	9,6	8,7	6,7	4					
SEMISOM 1600/80	T	10	7,5	9	16,2	10	80	74	24	23	21,7	20,3	18,3	16,1	14,9	12,6								
SEMISOM 1200/80	T	10	7,5	9,1	16,4	10	80	74	27	25,4	23,8	22,4	20,4	18										
Double-Channel Impeller																								
SEMISOM 2700/80	T	11	8	10,4	18	10	80	45x62			20	18,5	17	15,8	15,3	14	13,4	12,1	10,4	8,7	6,5	4		

Performance characteristics 4 poles 50 Hz

Three-Phase 400 V 50 Hz	P2		P1		Cable		Solids passage ø	m³/h l/min	Flow															
	HP	KW	KW	A max	m	DNM			0	12	24	30	36	48	60	66	72	78	84	90	96			
	Total manometric head in meters																							
Vortex Impeller																								
SEMISOM 1504/80	T	3,5	2,6	3,64	8,2	10	80	74	9,7	9,3	8,8	8,6	8,3	7,6	6,8	6,3	5,8	5,4	4,9	4,4	3,9			

P1: Max absorbed power from mains

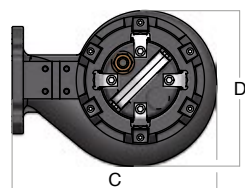
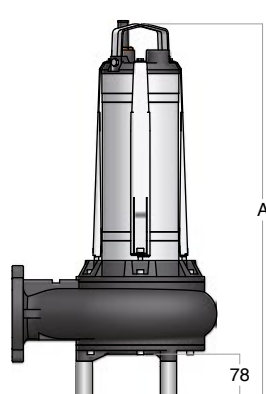
P2: Rated power of the motor

Pump stand is available, on request

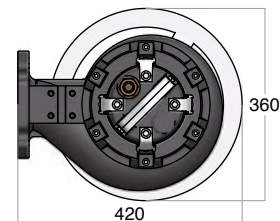
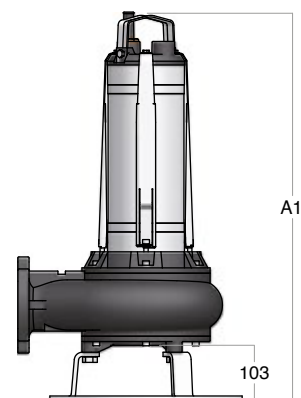
Guide rail kit is available, on request

UNI EN 1092-1 threaded flange for discharge is available, on request

Type	Dimensions mm				Weight Kg
	A	A1	C	D	
Semisom 1555/80 T	703	728	383	295	65,5
Semisom 1255/80 T	703	728	383	295	65,5
Semisom 1055/80 T	703	728	383	295	65,5
Semisom 1775/80 T	733	758	383	295	69,0
Semisom 1675/80 T	733	758	383	295	69,0
Semisom 1375/80 T	733	758	383	295	69,0
Semisom 2100/80 T	758	783	383	295	71,0
Semisom 1600/80 T	758	783	383	295	71,0
Semisom 1200/80 T	758	783	383	295	71,0
Semisom 2700/80 T	758	783	383	295	71,0
Semisom 1504/80 T	758	783	383	295	71,0

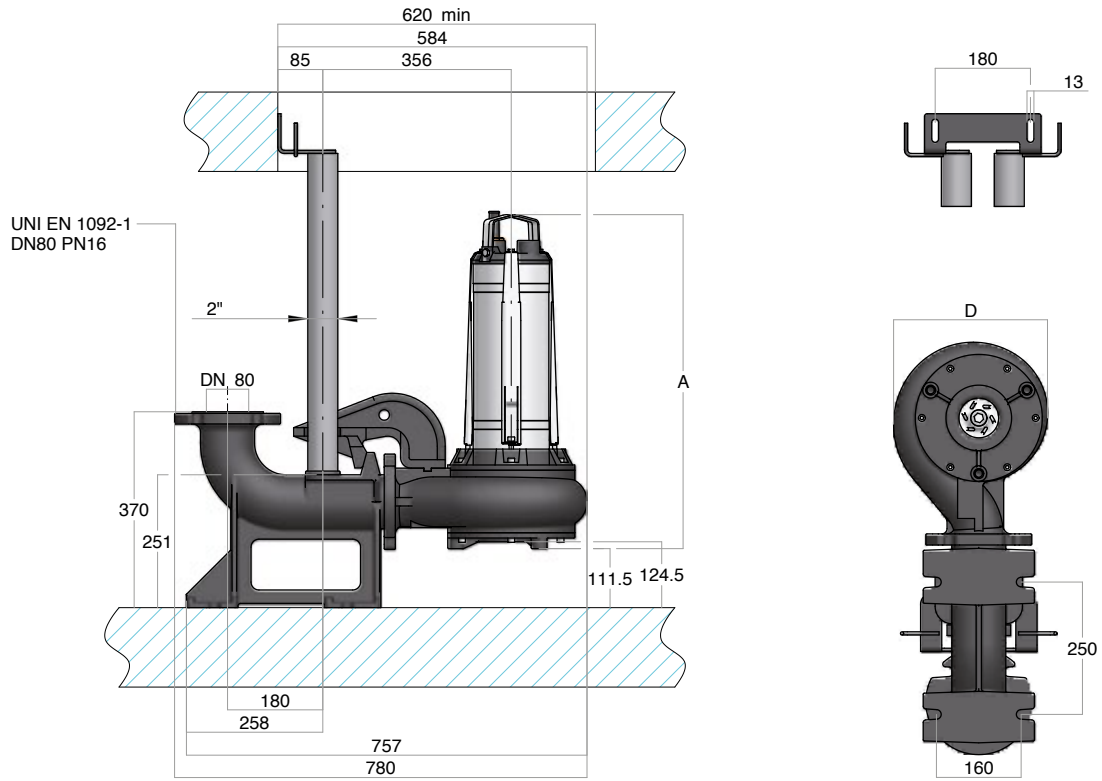


Standard

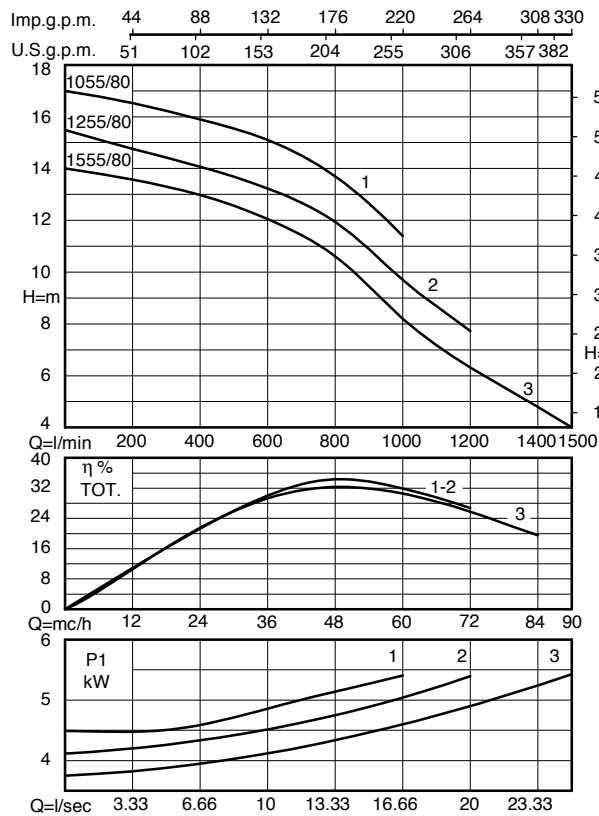


With pump stand

Guide rail kit



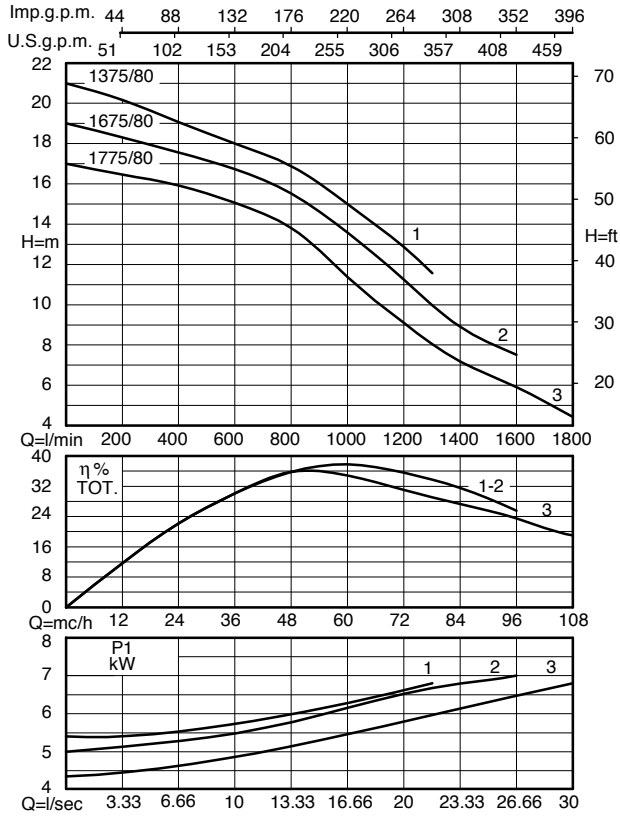
Semisom 1555/80 - 1255/80 - 1055/80



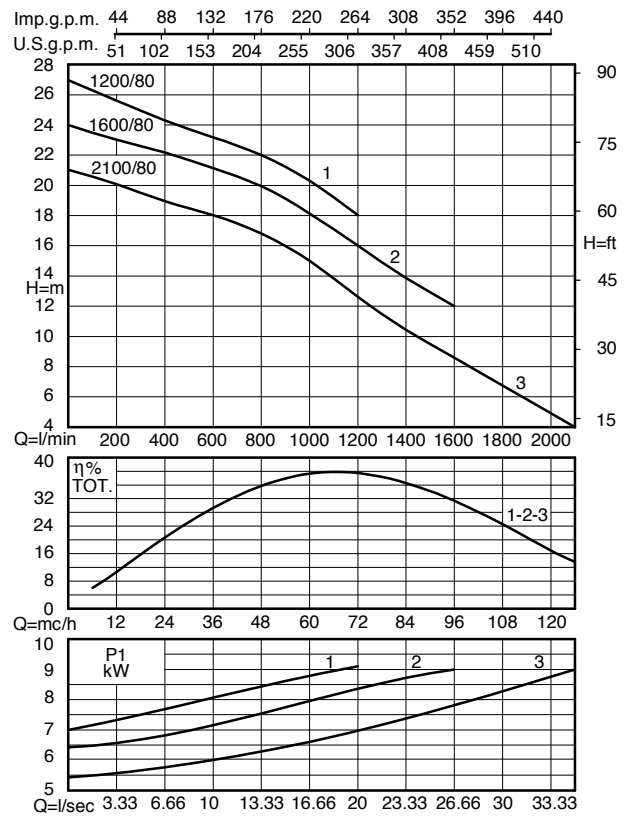
Electric submersible pumps SEMISOM / 80

for sewage water

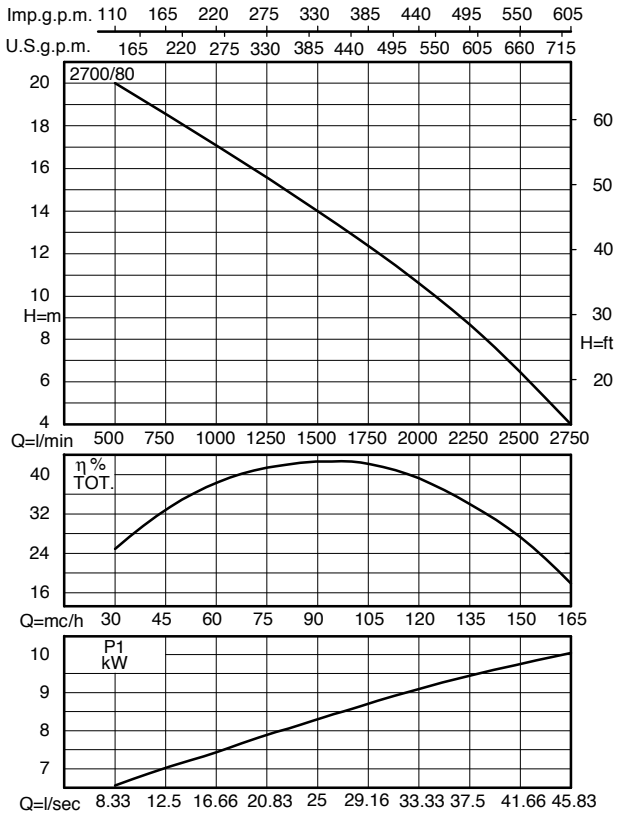
Semisom 1775/80 - 1675/80 - 1375/80



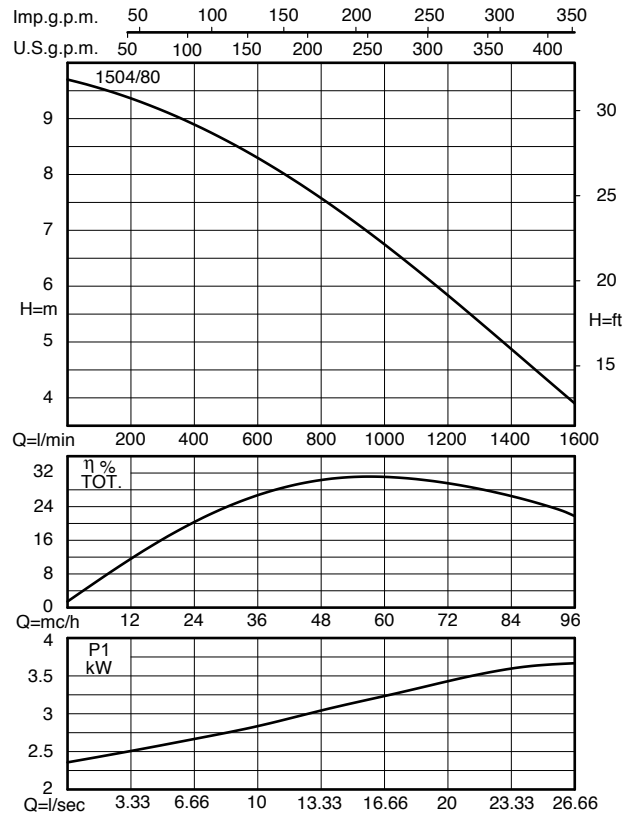
Semisom 2100/80 - 1600/80 - 1200/80



Semisom 2700/80



Semisom 1504/80





CMO

External electric pumps CMO

horizontal multistage



Application

- To pump water from reservoirs or collecting tanks;
- To pressurize civil plants;
- Irrigation;
- To feed boilers.

Application features

- Maximum number of starts per hour **20**;
- Maximum temperature of the water pumped **40 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 55**;
- Insulation class **F**.

Construction

- Asynchronous motor with short circuit rotor;
- External ventilation.



Components

Electric pump	CMO
Suction body and outlet	Mechanical cast iron EN GJL-200
Pump casing, tie rods, bolts and nuts	Stainless steel AISI304
Shaft	Stainless steel AISI420
Impellers	Stainless steel AISI304
Diffusers	Polymer reinforced with fibre-glass
Mechanical seal	Graphite and ceramics

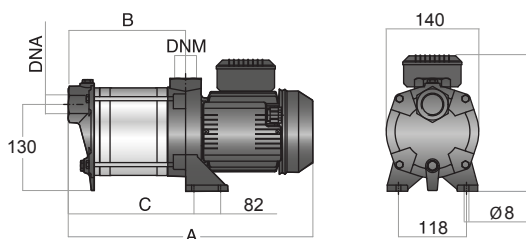
External electric pumps CMO

horizontal multistage

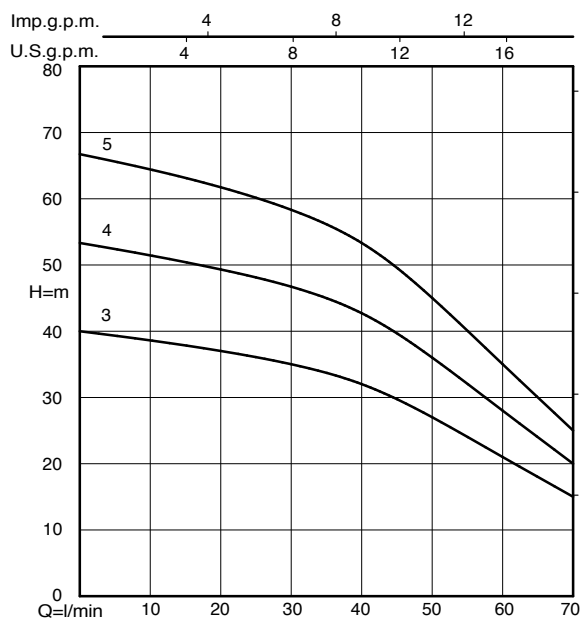
Performance characteristics 2 poles 50 Hz

Single-Phase 230 V 50 Hz	Nominal Characteristics				450 V μF	DNA DNM	Flow										
	HP	KW	A 1~				m^3/h	0	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6
							Total manometric head in meters										
Radial Impeller																	
CMO	3/70	0,75	0,55	3,44	16	1"¼	40	37	35	32	27	21	15				
CMO	4/70	1	0,75	4,78	20	1"¼	54	49	47	43	36	28	20				
CMO	5/70	1,25	0,92	6,12	25	1"¼	67	62	58	53	45	35	25				
Radial Impeller																	
CMO	4/110	1,25	0,92	6,12	25	1"	41	39	38	37	35	33	30	26	22	17	
CMO	5/110	1,5	1,1	7,08	25	1"	53	51	49	47	44	41	38	34	30	24	

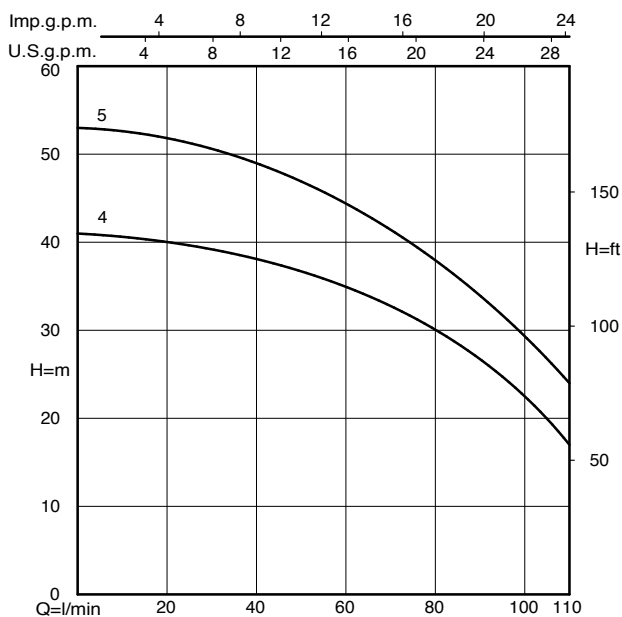
Type		Dimensions mm				Weight Kg
		A	B	C	D	
CMO	3/70	398	163	219	186	13,0
CMO	4/70	419	184	240	186	14,2
CMO	5/70	440	205	261	187	15,2
CMO	4/110	458	228	279	186	15,1
CMO	5/110	527	276	328	197	17,0



Series /70



Series /110





C M O C M O C M O



CMV - CTV

External electric pumps CMV - CTV

vertical multistage



Application

- To pump water from reservoirs or collecting tanks;
- To pressurize civil, agricultural, industrial and fire-fighting plants;
- Irrigation;
- Feeding boilers;
- To convey water for heating, cooling and conditioning plants.

Application features

- Maximum number of starts per hour **20**;
- Maximum temperature of the water pumped **80 °C**;
- Continuous duty **S1**;
- Degree of protection **IP 54**;
- Insulation class **F**.

Construction

- Asynchronous motor with short circuit rotor;
- External ventilation.



Components

Electric pump	CMV - CTV
Suction body and outlet	Mechanical cast iron EN GJL-200
Pump casing, tie rods and bolts	Stainless steel AISI304
Shaft	Stainless steel AISI420B
Impellers and diffusers	Noryl® reinforced with fibre-glass, certified for drinkable water and AISI304 stainless steel wear rings
Coupling	Mechanical cast iron EN GJL-200
Guide ball bearing	Self-lubricating bronze
Mechanical seal	Graphite and alumina

External electric pumps CMV - CTV

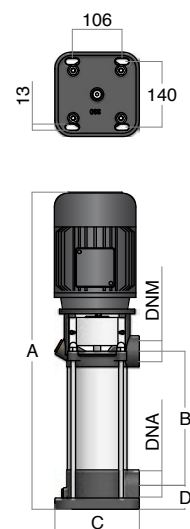
vertical multistage

Performance characteristics 2 poles 50 Hz

Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz	Nominal Characteristics		450 V		Flow																												
				HP	KW	A 1~	A 3~	µF	DNM	m³/h	0	1,8	2,4	3	4,2	6	7,2	8,4	9,6	11,4	12,6	13,8	15,6	18	19,8									
						Total manometric head in meters																												
Radial Impeller																																		
CMV10	6/110	CTV10	6/110	1	0,75	5,2	1,7	20	1"½	54	50	47	44	37	23	11																		
CMV15	9/110	CTV15	9/110	1,5	1,1	7,6	2,4	30	1"½	80	72	69	65	55	33	16																		
CMV20	12/110	CTV20	12/110	2	1,5	10,9	3,1	45	1"½	105	95	91	85	71	44	21																		
CMV30	18/110	CTV30	18/110	3	2,2	14,5	4,6	60	1"½	160	148	140	131	109	67	31																		
Radial Impeller																																		
CMV15	5/230	CTV15	5/230	1,5	1,1	7,6	2,4	30	1"½	47			46	44	41	39	36	32	25	20	13													
CMV20	6/230	CTV20	6/230	2	1,5	10,9	3,1	45	1"½	56			55	53	50	46	42	37	29	22	15													
CMV30	8/230	CTV30	8/230	3	2,2	14,5	4,6	60	1"½	75			73	70	65	60	55	49	38	29	20													
		CTV40	11/230	4	3		5,9		1"½	103			100	97	91	85	78	70	56	46	33													
		CTV55	14/230	5,5	4		7,8		1"½	138			134	130	122	115	104	93	74	59	43													
Radial Impeller																																		
CMV30	5/330	CTV30	5/330	3	2,2	14,5	4,6	60	1"½	49			46	45	43	41	38	35	32	27	20	14												
		CTV40	7/330	4	3		5,9		1"½	68			61	59	57	55	52	49	45	39	29	20												
		CTV55	10/330	5,5	4		7,8		1"½	102			94	91	88	84	77	72	66	57	42	29												
		CTV75	14/330	7,5	5,5		10,8		1"½	138			128	124	120	114	103	98	88	75	54	37												

Type	Dimensions mm				Weight Kg
	A	B	C	D	
CMV10 6/110	662	286	180	51	22,2
CMV15 9/110	752	376	180	51	25,8
CMV20 12/110	844	466	180	51	28,3
CMV30 18/110	1093	646	180	51	35,0
CMV15 5/230	662	286	180	51	24,1
CMV20 6/230	700	322	180	51	25,8
CMV30 8/230	841	394	180	51	31,7
CMV30 5/330	733	286	180	51	29,6

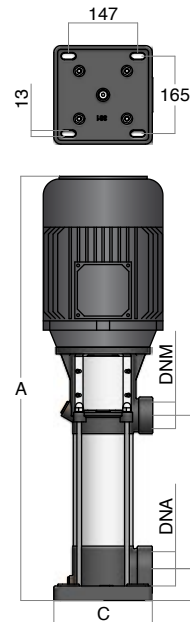
Type	Dimensions mm				Weight Kg
	A	B	C	D	
CTV10 6/110	665	286	180	51	24,4
CTV15 9/110	755	376	180	51	26,0
CTV20 12/110	844	466	180	51	27,5
CTV30 18/110	1063	646	180	51	35,7
CTV15 5/230	665	286	180	51	24,3
CTV20 6/230	700	322	180	51	25,0
CTV30 8/230	811	394	180	51	32,4
CTV40 11/230	951	502	180	51	40,2
CTV55 14/230	1059	610	180	51	42,2
CTV30 5/330	703	286	180	51	30,3
CTV40 7/330	807	358	180	51	37,5
CTV55 10/330	915	466	180	51	39,3
CTV75 14/330	1080	610	180	51	53,5



Performance characteristics 2 poles 50 Hz

Three-Phase 400 V 50 Hz	Nominal Characteristics						Flow														
							m ³ /h	0	12	15	16,8	18	19,8	21,6	24	27	30	33	36	39	42
	HP	KW	A	DNA	DNM	l/min	0	200	250	280	300	330	360	400	450	500	550	600	650	700	
Total manometric head in meters																					
Radial Impeller																					
CTV40	4/530	4	3	5,9	2"½	2"	43	36	35	34	33	32	30	27	22	16	10				
CTV55	6/530	5,5	4	7,8	2"½	2"	64	53	52	50	49	48	45	40	33	24	16				
CTV75	8/530	7,5	5,5	10,8	2"½	2"	86	70	68	66	65	64	61	53	43	33	21				
CTV100	11/530	10	7,5	13,5	2"½	2"	118	97	94	92	90	87	83	73	60	44	29				
CTV125	14/530	12,5	9,2	16,9	2"½	2"	150	123	119	116	114	111	106	94	76	56	37				
Semi-Axial impeller																					
CTV55	3/700	5,5	4	7,8	2"½	2"	41				35	34	33	31	28	25	22	18	14	9	
CTV75	5/700	7,5	5,5	10,8	2"½	2"	68				59	57	55	51	46	41	35	28	21	14	
CTV100	6/700	10	7,5	13,5	2"½	2"	84				68	66	63	59	54	48	42	34	27	17	
CTV125	8/700	12,5	9,2	16,9	2"½	2"	113				93	91	87	83	76	69	60	50	40	29	
CTV150	10/700	15	11	19,4	2"½	2"	141				116	114	110	104	96	86	75	62	50	36	

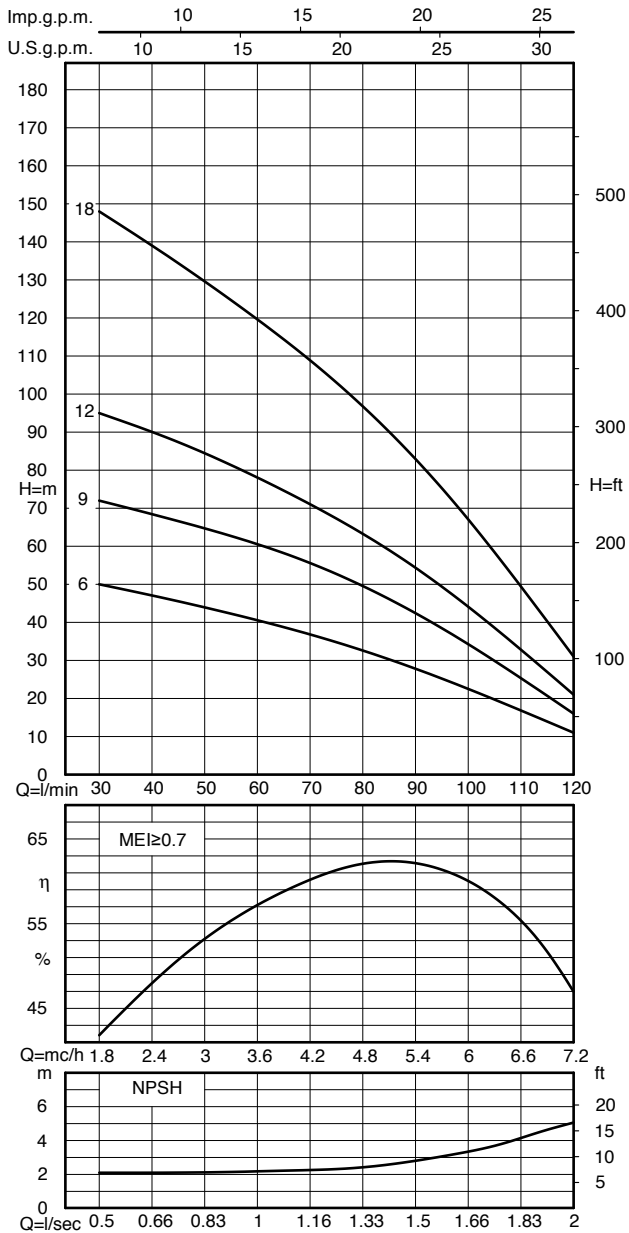
Type		Dimensions mm				Weight Kg
		A	B	C	D	
CTV40	4/530	848	327	200	68	42,4
CTV55	6/530	948	427	200	68	43,9
CTV75	8/530	1069	527	200	68	56,7
CTV100	11/530	1310	677	200	68	73,9
CTV125	14/530	1460	827	200	68	86,2
CTV55	3/700	882	361	200	68	43,5
CTV75	5/700	1059	517	200	68	57,1
CTV100	6/700	1228	595	200	68	73,3
CTV125	8/700	1384	751	200	68	85,7
CTV150	10/700	1630	907	200	68	105,6



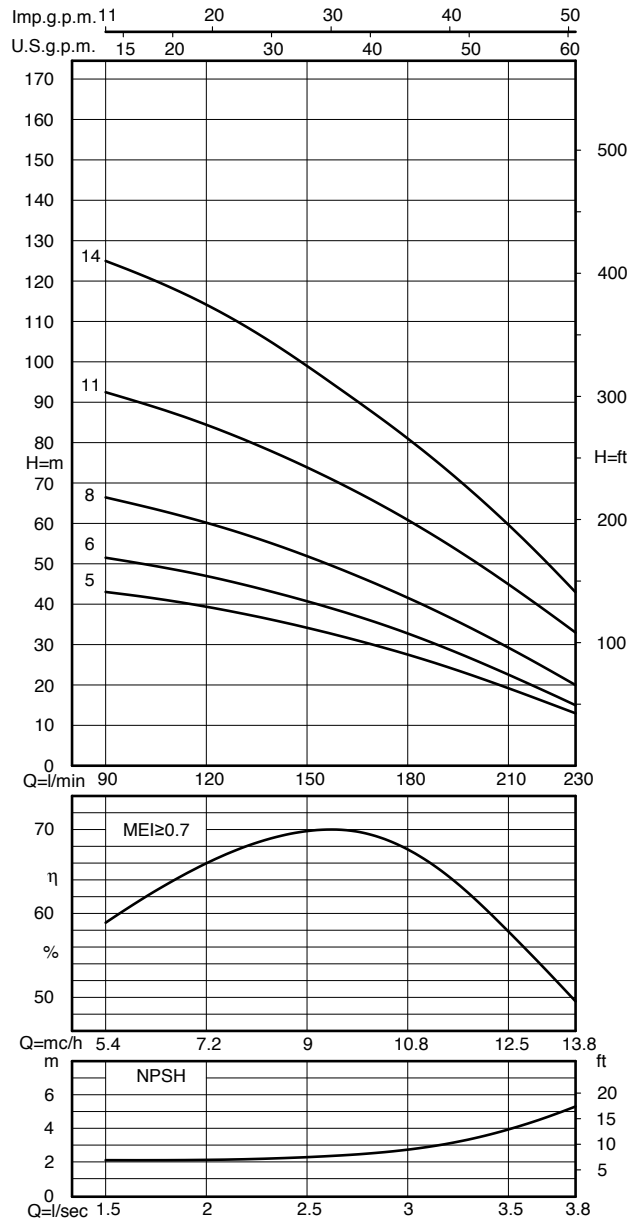
External electric pumps CMV - CTV

vertical multistage

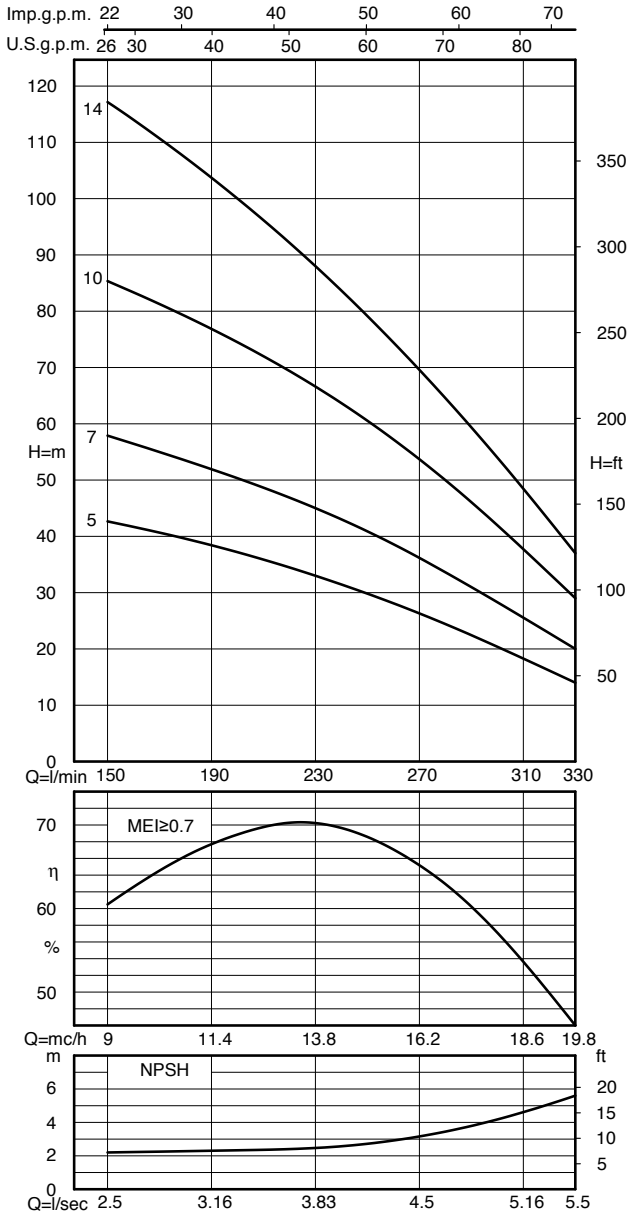
Series /110



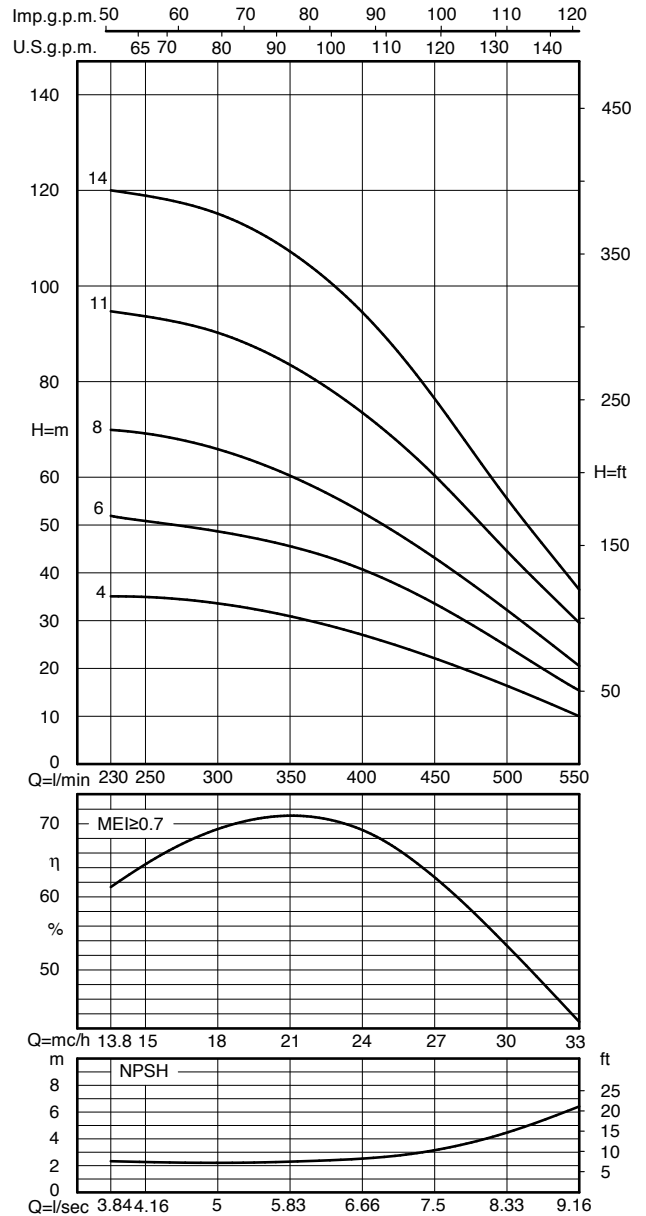
Series /230



Series /330



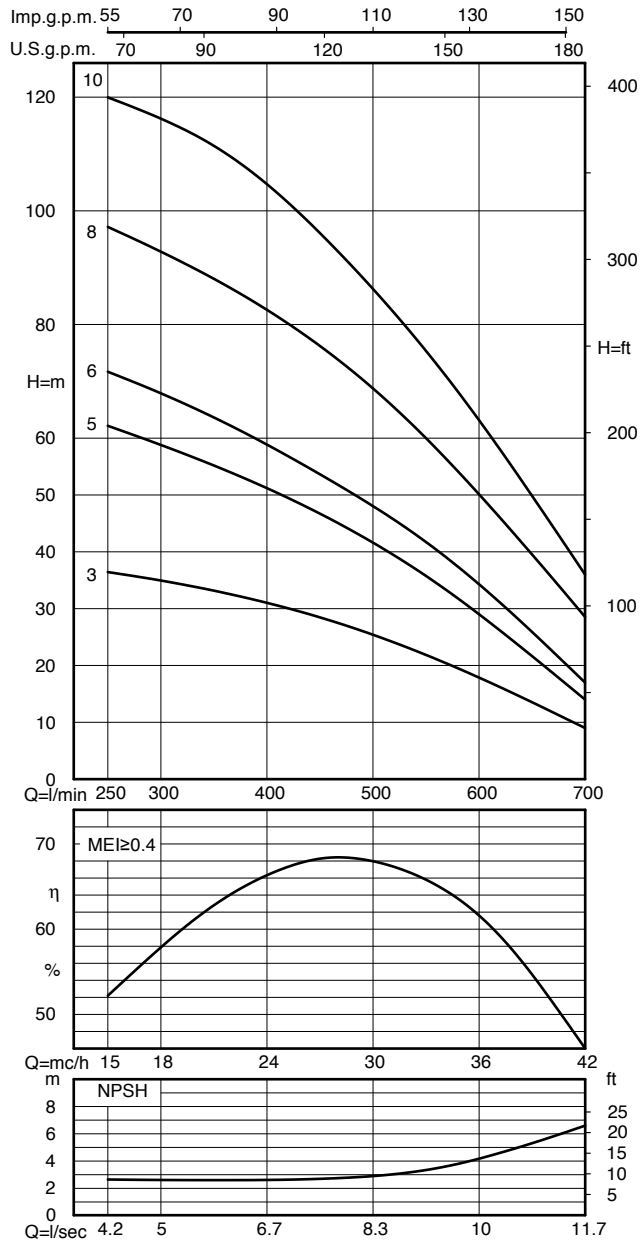
Series /530



External electric pumps CMV - CTV

vertical multistage

Serie /700





CMV-CTV
CMV-CTV
CMV-CTV
CMV-CTV



Photovoltaic pumping stations

BBC solar stations allow pumping water with complete autonomy and can be easily installed anywhere there is a good solar radiation. They can meet all various and different needs to pump clean or sewage water.

They are available in several different versions: from the cheapest, for domestic applications, designed with DC motors and directly wired to the solar panels to the most complex ones that assure the maximum efficiency by using inverters and optimized electric motors. All different solutions can be easily customized and, according to the client's needs, used to store water or the energy to run the pump even without solar radiation.

Applications

- To pump water from reservoirs, collecting tanks and wells;
- To pressurize civil plants;
- Irrigation;
- To pump sewage water.

Characteristics

- Flow up to **2400 l/min**;
- Head up to a **300 m**;
- Power from **0,55 KW to 11 KW**.



Please, contact our office to receive further information on this range of product.

Booster sets and fire-fighting systems

Automatic booster sets G-CMV - G-CTV

Application

- To pressurize civil, agricultural and industrial plants;
- Irrigation.

Flow

from 60 to 1400 l/min

from 3,6 to 84 m³/h

Head

from 7 to 123 m

Power

from 1-1 to 15-15 HP

from 0,75-0,75 to 11-11 KW



Inverter driven automatic booster sets GI-CTV

Applicazioni

- To pressurize civil, agricultural and industrial plants;
- Irrigation.

Flow

from 60 to 1400 l/min

from 3,6 to 84 m³/h

Head

from 7 to 123 m

Power

from 1-1 to 15-15 HP

from 0,75-0,75 to 11-11 KW



Automatic fire-fighting systems with electric submersible pumps EN 12845 - UNI 10779

Application

- To pressurize civil and industrial fire-fighting systems, manufactured according to EN 12845 – UNI 10779 standards.

Flow

from 90 to 6500 l/min
from 5,4 to 390 m³/h

Head

from 5 to 383 m

Power

from 2 to 75 HP
from 1,5 to 55 KW



Automatic fire-fighting systems with electric external pumps EN 12845 - UNI 10779

Application

- To pressurize civil and industrial fire-fighting systems, manufactured according to EN 12845 – UNI 10779 standards.

Flow

from 50 to 10000 l/min
from 3 to 600 m³/h

Head

from 7 to 123 m

Power

from 2 to 75 HP
from 1,5 to 55 KW



Panels

QM IT - Single-Phase direct starters

Characteristics

- N° 1 facility for wiring in a pump controller (float switch, pressure switch, etc.), 230 Vac.
- Bipolar, luminous thermal protector switch.
- Plastic casing;
- Protection degree **IP 40** on request **IP 55**;
- Ambient temperature **-5/+40 °C**;
- Dimensions: 150x110x70 mm.



Type (1~) 230 V	Approx power		A max
	HP	KW	
QM IT 3	0,35-0,5	0,26-0,37	3
QM IT 5	0,5-0,75	0,37-0,55	5
QM IT 7	0,9-1,1	0,65-0,8	7
QM IT 10	1,3-1,6	0,95-1,2	10
QM IT 12	2	1,5	12
QM IT 18	3	2,2	18

QT MT - Three-phase Electromechanical direct starters

Characteristics

- N° 1 facility for wiring in a pump controller (float switch, pressure switch, etc.);
- N° 2 facilities for wiring in start-stop devices (float switch, pressure switch, etc.).
- Circuit breaker;
- Run contactor;
- Low-voltage auxiliary circuits (24 V) with fuses;
- Lamp for pump running.
- Plastic casing;
- Protection degree **IP 65**;
- Ambient temperature **-5/+40 °C**;
- Dimensions: 250x200x110 mm.



Type (3~) 400 V	Potenza indicativa		A min.	A max
	HP	KW		
QT MT 2,5	0,5-0,9	0,37-0,65	1,6	2,5
QT MT 4	1-1,6	0,75-1,2	2,5	4
QT MT 6	2-3	1,5-2,2	4	6,3
QT MT 10	4	3	6,3	10

QM BT - Single-phase electronic starter with level control

Characteristics

- N° 1 facility for wiring in a pump controller (float switch, pressure switch, etc.);
- N° 3 facilities for wiring in level probes (2 with timed, automatic reset) that can also be used with one or two float switches.
- Bipolar, luminous thermal protector switch;
- Electronic level control;
- Led light for: run and level cut-out;
- Low-voltage auxiliary circuits.
- Plastic casing;
- Protection degree **IP 40** on request **IP 55**;
- Ambient temperature **-5/+40 °C**;
- Dimensions: 190x140x70 mm.



Type (1~) 230 V	Approx power		A max
	HP	KW	
QM BT 3	0,35-0,5	0,26-0,37	3
QM BT 5	0,5-0,75	0,37-0,55	5
QM BT 7	0,9-1,1	0,65-0,8	7
QM BT 10	1,3-1,6	0,95-1,2	10
QM BT 12	2	1,5	12

QT CL - Three-phase electromechanical direct starters with level control

Characteristics

- N° 1 facility for wiring in a pump controller (float switch, pressure switch, etc.);
- N° 3 facilities for wiring in level probes that can also be used with one or two float switches.
- Circuit breaker;
- Run contactor;
- Low-voltage auxiliary circuits (24 V) with fuses;
- Electronic level control;
- Led lights for: power and run.
- Plastic casing;
- Protection degree **IP 65**;
- Ambient temperature **-5/+40 °C**;
- Dimensions: 250x200x110 mm.



Type (3~) 400 V	Approx power		A min.	A max
	HP	KW		
QT 2,5 CL	0,5-0,9	0,37-0,65	1,6	2,5
QT 4 CL	1-1,6	0,75-1,2	2,5	4
QT 6 CL	2-3	1,5-2,2	4	6,3
QT 10 CL	4	3	6,3	10

AM - AT - Direct-on-line starters for single and three-phase electric pumps

Characteristics

- N° 1 facility for wiring in a pump controller (float switch, pressure switch, etc.);
- N° 3 facilities for wiring in level probes (2 with timed, automatic reset) that can also be used with 1 or 2 float switches.
- Opening interlocked;
- Low-voltage auxiliary circuits (24 V) with fuses;
- Run contactor;
- Thermal relay for motor protection;
- Set of fuses for motor protection;
- Electronic level control by means of a microprocessor;
- HAND-OFF-AUTO selector switch;
- Led lights for: power, motor running, thermal cut-out and level cut-out.
- Plastic casing;
- Protection degree **IP 55**;
- Ambient temperature **-5/+40 °C**;
- Dimensions: 220x300x120 mm.



Type (1~) 230 V	Approx power		A min.	A max
	HP	KW		
AM 20 CL	2	1,5	9	13
AM 30 CL	3	2,2	12	18

Type (3~) 400 V	Approx power		A min.	A max
	HP	KW		
AT 55 CL	5,5	4	9	13
AT 75 CL	7,5	5,5	12	18
AT 125 CL	10-12,5	7,5-9,2	17	25
AT 150 CL	15	11	22	32

Panels

ATRS - Three-phase Soft Starters

Characteristics

- N° 1 facility for wiring in a pump controller (float switch, pressure switch, etc.);
- N° 2 facilities for wiring in start - stop float switches;
- N° 3 facilities for wiring in level probes.

- Opening interlocked;
- Low-voltage auxiliary circuits (24 V) with fuses;
- Set of fuses for motor protection;
- HAND-OFF-AUTO selector switch;
- Lamps for: power, run, thermal cut-out and level cut-out.

- Steel-sheet panel;
- Protection degree **IP 55**;
- Ambient temperature **-5/+40 °C**;
- Dimensions:
 - ATRS 10 300x400x200 mm;
 - from ATRS 20 to ATRS 35 400x600x250 mm;
 - from ATRS 40 to ATRS 60 500x700x250 mm;
 - ATRS 75 600x800x300 mm.



Type (3~) 400 V	Approx power		A min.	A max
	HP	KW		
ATRS 10	5,5-10	4-7,5	9	18
ATRS 20	12,5-20	9,2-15	17	34
ATRS 25	25	18,5	21	42
ATRS 30	30	22	24	48
ATRS 35	35	26	30	60
ATRS 40	40	30	37,5	75
ATRS 50	50	37	42,5	85
ATRS 60	60	45	50	100
ATRS 75	75	55	70	140

Accessories

- Level control.

ATI - Three-phase Inverter starters

Characteristics

- N° 2 facilities for wiring in a run device (float switch, pressure switch, etc.);
- N° 2 facilities for wiring in start – stop float switches;
- N° 1 facility for wiring in a pressure trasducer 4÷20 mA 0÷10 bar.

- Opening interlocked;
- Low-voltage auxiliary circuits (24 V) with fuses;
- Inverter with display, keyboard for setting and internal fan;
- Set of fuses to protect the inverter;
- HAND-OFF-AUTO selector switches;
In HAND: using constant frequency (50 Hz) via pressure switch, float switch, etc;
In AUTO: using variable frequency (30÷50 Hz) via a transducer 4÷20 mA 0÷10 bar.
- Lamps for:
power - run - alarm - level cut-out.

- Steel-sheet casing;
- Protection degree **IP 40**;
- Ambient temperature **-5/+40 °C**;
- Dimensions:
ATI 230 10, ATI 230 20, ATI 400 10,
ATI 400 20, ATI 400 30
300x400x200 mm;
ATI 230 30, from ATI 400 40 to ATI 400 100
400x600x250 mm.



Type	Approx power		A max
	HP	KW	
Single-Phase line 230 V - Three-Phase motor 230 V			
ATI 230 10	1	0,75	4,2
ATI 230 20	1-2	0,75-1,5	6,8
ATI 230 30	2-3	1,5-2,2	9,6

Type	Approx power		A max
	HP	KW	
Three-Phase line 400 V - Three-Phase motor 400 V			
ATI 400 10	1	0,75	2,2
ATI 400 20	1-2	0,75-1,5	3,7
ATI 400 30	2-3	1,5-2,2	5,3
ATI 400 40	3-4	2,2	7,2
ATI 400 55	4,5,5	3,4	9
ATI 400 75	5,5-7,5	4,5,5	12
ATI 400 100	7,5-10	5,5-7,5	15,5

Accessories

- Pressure trasducer.

Panels

P2 BPA2 - Direct on line electromechanical starters for 2 single-phase electric pumps

Characteristics

- N° 3 facilities for wiring in a start - stop alternate-duty-assist float switch, pressure switch, etc.;
- N° 1 facility for wiring in an alarm device;
- N° 1 Volt-free facility for alarm device.

- Opening interlocked;
- Low-voltage auxiliary circuits (24 V) with fuses;
- Run contactors;
- Thermal relays for motor protection (in case of intervention, immediate switch to the standby pump);
- Set of fuses to protect the motors;
- Electronic circuit with microprocessor to control the alternate or contemporaneous run of the electric pumps;
- HAND-OFF-AUTO selector switches;
- Led lights for:
power, run P1 and P2 - thermal cut-out P1 and P2.

- Plastic casing;
- Protection degree **IP 55**;
- Ambient temperature **-5/+40 °C**;
- Dimensions: 300x380x120 mm.



Type (1~) 230 V	Approx power		A min.	A max
	HP	KW		
P2 BPA2 4	0,5	0,37	2,5	4
P2 BPA2 6	0,75-1	0,55-0,75	4	6,3
P2 BPA2 10	1,5	1,1	7	10
P2 BPA2 13	2	1,5	9	13

Accessories

- Power failure alarm.

P2 BPTA2 - Direct on line electromechanical starters for 2 three-phase electric pumps

Characteristics

- N° 3 facilities for wiring in a start - stop alternate-duty-assist float switch, pressure switch, etc.;
- N° 1 facility for wiring in an alarm device;
- N° 1 Volt-free facility for alarm device.

- Opening interlocked;
- Low-voltage auxiliary circuits (24 V) with fuses;
- Run contactors;
- Thermal relays for motor protection (in case of intervention, immediate switch to the standby pump);
- Set of fuses to protect the motors;
- Electronic circuit with microprocessor to control the alternate or contemporaneous run of the electric pumps;
- HAND-OFF-AUTO selector switches;
- Led lights for:
 - power, run P1 and P2 - thermal cut-out P1 and P2.

- Plastic casing;
- Protection degree **IP 55**;
- Ambient temperature **-5/+40 °C**;
- Dimensions: 300x380x120 mm.



Type (3~) 400 V	Approx power		A min.	A max
	HP	KW		
P2 BPTA2 2	0,5	0,37	1,2	1,9
P2 BPTA2 2,5	0,75	0,55	1,6	2,5
P2 BPTA2 4	1-1,5	0,75-1,1	2,5	4
P2 BPTA2 6	2-3	1,5-2,2	4	6,3
P2 BPTA2 10	4,5	3,4	7	10

Accessories

- Power failure alarm.

Panels

ATS - Direct on line electromechanical three-phase starters for electric pumps Semisom/80

Characteristics

- N° 1 facility for wiring in the humidity probe of the first chamber;
 - N° 1 facility for motor overheating;
 - N° 1 facility for wiring in a pump controller (float switch, pressure switch, etc);
 - N° 2 facilities for wiring in start - stop float switches;
 - N° 1 facility for maximum level alarm device;
 - N° 1 facility for 24 V AC alarm device.
-
- Opening interlocked;
 - Low-voltage auxiliary circuits (24 V) with fuses;
 - Run contactors;
 - Thermal relay for motor protection;
 - Relay to control motor overheating;
 - Set of fuses to protect the motors;
 - Electronic control in case of humidity in the first chamber;
 - HAND-OFF-AUTO selector switch;
 - Lamps for:
 - power - run - thermal cut-out - cut-out for motor overheating - cut-out for humidity in the first chamber - maximum level alarm.
-
- Steel-sheet casing;
 - Protection degree **IP 55**;
 - Ambient temperature **-5/+40 °C**;
 - Dimensions: 300x400x150 mm.



Type (3~) 400 V	Approx power		A min.	A max
	HP	KW		
ATS 55	3,5-5,5	2,6-4	7	10
ATS 100	7,5-10	5,5-7,5	12	18
ATS 110	11	8	17	25

AT2S - Direct on line electromechanical three-phase starters for 2 electric pumps Semisom/80

Characteristics

- Nº 2 facilities for wiring in the humidity probe of the first chamber;
- Nº 2 facilities for motor overheating;
- Nº 3 facilities for wiring in a start - stop alternate-duty-assist float switch, pressure switch, etc.;
- Nº 1 facility for maximum level alarm device;
- Nº 1 facility for Volt-free alarm device.

- Opening interlocked;
- Low-voltage auxiliary circuits (24 V) with fuses;
- Run contactors;
- Thermal relays to protect the motors;
- Relays to control overheating of the motors;
- Electronic controls in case of humidity in the first chambers;
- Electronic circuit to control the alternate or contemporaneous run of the electric pumps;
- Set of fuses for motor protection;
- HAND-OFF-AUTO selector switches;
- Lamps for:
 - power - pump 1 - pump 2 - run - thermal cut-out - cut-out for motor overheating - cut-out for humidity in the first chamber.

- Steel-sheet casing;
- Protection degree **IP 55**;
- Ambient temperature **-5/+40 °C**.
- Dimensions: 400x600x200 mm.



Type (3~) 400 V	Approx power		A min.	A max
	HP	KW		
AT2S 55	3,5-5,5	2,6-4	7	10
AT2S 100	7,5-10	5,5-7,5	12	18
AT2S 110	11	8	17	25

Panels

QA 12 - Power failure alarm

Characteristics

- N° 1 facility for Volt-free alarm device.
- ON - OFF - TEST selector switch;
- 102 db/1m acoustic alarm;
- Led visual alarm;
- 230 V battery charger with 6 V nickel cadmium battery;
- 12-hour-life battery .

- Plastic casing;
- Protection degree **IP 40**;
- Ambient temperature **-5/+40 °C**;
- Dimensions: 190x140x70 mm.



QDC - DC electromechanical direct starter

Characteristics

- N° 1 facility for wiring in a pump controller (float switch, pressure switch, etc.);
- HAND-OFF-AUTO selector switches;
- Unipolar thermal protector switch;
- Power relay;
- Lamp for pump running.
- Plastic casing;
- Protection degree **IP 40**;
- Ambient temperature **-5/+40 °C**;
- Dimensions: 190x140x70 mm.



Type (DC) 24 V	Approx power		A max
	HP	KW	
QDC	0,5-0,75	0,37-0,55	30



Pressure loss

Pressure loss in linear pipes every 100 meters

			Inside diameter of the pipe																
Flow			gas	3/4"	1"	1" 1/4	1" 5/8	2"	2" 1/2	3" 1/8	4"	5"	6"	7"	8"	10"	12"	16"	
l/sec	l/min	m³/h	mm	20	25	32	40	50	65	80	100	125	150	175	200	250	300	400	
			Pressure loss in meters of column of water																
0,16	10	0,6		2,6	1	0,28	0,09												
0,25	15	0,9		6,5	2,15	0,6	0,18												
0,33	20	1,2		10	3,5	1	0,3	0,11											
0,41	25	1,5		15	5,5	1,6	0,5	0,16											
0,5	30	1,8		22	8	2,2	0,65	0,23											
0,66	40	2,4		40	13	4	1,2	0,4	0,1										
0,83	50	3		60	21	6	1,8	0,6	0,16										
1	60	3,6		75	28	8	2,4	0,85	0,22										
1,16	70	4,2			40	11,5	3,2	1,15	0,3	0,11									
1,33	80	4,8			54	14,5	4,5	1,5	0,4	0,14									
1,5	90	5,4			65	18	5,3	1,8	0,48	0,16									
1,66	100	6			77	22	6,5	2,2	0,52	0,2									
2	120	7,2				30	9	3	0,8	0,3									
2,33	140	8,4				42	12	4,2	1,1	0,38	0,13								
2,66	160	9,6				53	16	5,3	1,4	0,5	0,17								
3	180	10,8				65	20	6,5	1,7	0,6	0,21								
3,33	200	12				78	24	8	2,1	0,72	0,26								
3,66	220	13,2				90	26,5	9	2,4	0,84	0,3	0,1							
4	240	14,4					33	11,3	3	1,1	0,37	0,12							
4,33	260	15,6					40	13,5	3,5	1,22	0,43	0,14							
4,66	280	16,8					45	15	4	1,4	0,48	0,16							
5	300	18					51	17	4,5	1,6	0,51	0,18							
5,83	350	21					68	24	6	2,1	0,75	0,24							
6,66	400	24					87	29	7,8	2,65	0,95	0,31	0,12						
7,5	450	27						38	9,6	3,3	1,18	0,38	0,15						
8,33	500	30						45	11,8	4,2	1,4	0,47	0,18						
9,16	550	33						55	14	5	1,7	0,51	0,21	0,1					
10	600	36						64	16,5	5,5	2	0,65	0,25	0,12					
11,6	700	42						87	23	8	2,8	0,9	0,32	0,16					
13,3	800	48							30	10,5	3,5	1,18	0,44	0,21	0,11				
16,6	1000	60							44	15	5,3	1,8	0,65	0,31	0,16				
20	1200	72							62	22	7,5	2,5	0,95	0,45	0,22				
23,3	1400	84							81	28,5	10	3,25	1,25	0,6	0,3	0,1			
26,6	1600	96								37,5	13	4,3	1,6	0,78	0,38	0,13			
30	1800	108								46	16	5,3	2	0,95	0,47	0,16			
33,3	2000	120								56,5	19,5	6,5	2,4	1,15	0,58	0,19			
36,6	2200	132								65	23	7,7	2,9	1,38	0,7	0,23			
40	2400	144								75	27	9	3,3	1,6	0,81	0,27	0,11		
43,3	2600	156									32	10,7	4	1,9	0,98	0,32	0,13		
46,6	2800	168									37	12	4,5	2,2	1,1	0,37	0,15		
50	3000	180									42	14	5,25	2,45	1,22	0,42	0,17		
58,3	3500	210									56	18	6,8	3,25	1,65	0,55	0,22		
66,6	4000	240									73	24	8,8	4,25	2,15	0,7	0,29		
75	4500	270										30	11	5,4	2,7	0,9	0,37		
83,3	5000	300											37	14	6,6	3,3	1,1	0,45	0,11

Notes

Pressure loss should be multiplied by:

- **0,65** for PVC pipes;
- **0,8** for new steel pipes;
- **1,25** for slightly rusty steel pipes;
- **1,7** for encrusted pipes.

Selection of cables

Single-Phase 230 V 50 Hz

Nominal Characteristics		Cable section mm ²									
HP	KW	4x1	4x1,5	4x2,5	4x4	4x6	4x10	4x16	4x25	4x35	4x50
Maximum cable length in meters											
0,5	0,37	60	90	140	230	340					
0,75	0,55	40	70	110	190	280	470				
1	0,75	35	55	85	135	200	335	525			
1,2	0,9	30	50	80	120	180	300	470			
1,5	1,1	25	40	60	100	150	250	395			
2	1,5		35	50	80	120	190	300	470		
3	2,2			30	50	70	120	190	300	405	

Three-Phase 400 V 50 Hz

Nominal Characteristics		Cable section mm ²									
HP	KW	4x1	4x1,5	4x2,5	4x4	4x6	4x10	4x16	4x25	4x35	4x50
Maximum cable length in meters											
0,5	0,37	220	340	550							
0,75	0,55	200	300	480	770						
1	0,75	150	230	370	600						
1,2	0,9	130	210	330	530						
1,5	1,1	100	180	290	470						
2	1,5	80	140	220	360	540					
3	2,2	60	100	160	260	390	650				
4	3	45	75	120	200	300	500				
5,5	4		55	90	150	220	370	590			
7,5	5,5		40	70	115	170	285	450			
10	7,5			60	90	140	230	360	560		
12,5	9,2				75	115	190	300	470		
15	11				60	90	155	245	380	520	
20	15					60	110	170	260	360	480
25	18						90	140	220	300	395
30	22						75	120	185	250	320
35	26							105	160	215	285
40	30							90	145	200	260
50	37								110	155	200
60	45									130	170
75	55										140

Notes

Voltage drop:

- 3 %

Max ambient temperature:

- 30 °C



Art Direction
studiopieri Web & Graphic Agency

The technical features, dimensions
and all other data in this catalogue
are not binding.

The manufacturer reserves the right to
make any necessary modifications
without prior notice.

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Performances according to
ISO 9906:2012 level 2





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