

ACQUAJET SERIES 4" SUBMERSIBLE ELECTRIC PUMPS

- Advanced hydraulic model, compact structure
- Easy to move and install

APPLICATIONS

- Water supply from deep well.
- Pressure boosting.

SPECIFICATIONS

- Delivery: up to 8 m³/h at 2850 rpm.
- Head: up to 97 m at 2850 rpm.
- Maximum pump overall diameter (cable cover included): 99mm.
- Maximum permissible quantity of sand: 150 g/m³.
- Delivery port Rp1"1/4.

MOTOR POWER

Single-phase version:

from 0,37 to 1,1 kW, 220 V, 50 Hz.

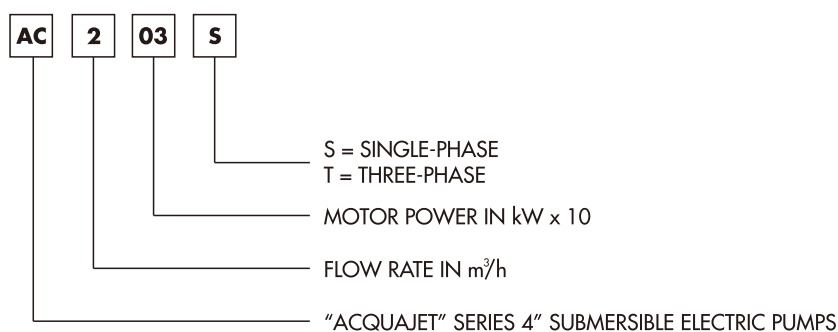
Three-phase version:

from 0,37 to 1,1 kW, 380 V, 50 Hz.

CONSTRUCTION & CHARACTERISTICS

- Pump and motor connected inside complete pump sleeve, compact and aesthetic
- Discharge, pump base, suction base etc made of engineering plastic, makes pump corrosion resistant and portable.
- Inlet at bottom of pump, which makes pump get more water in case of low water level
- Water flow around motor sleeve, carries away most heat generated by motor, which cools down motor, saves cost and prolongs motor life.

IDENTIFICATION CODE



EXAMPLE OF PUMP TYPE

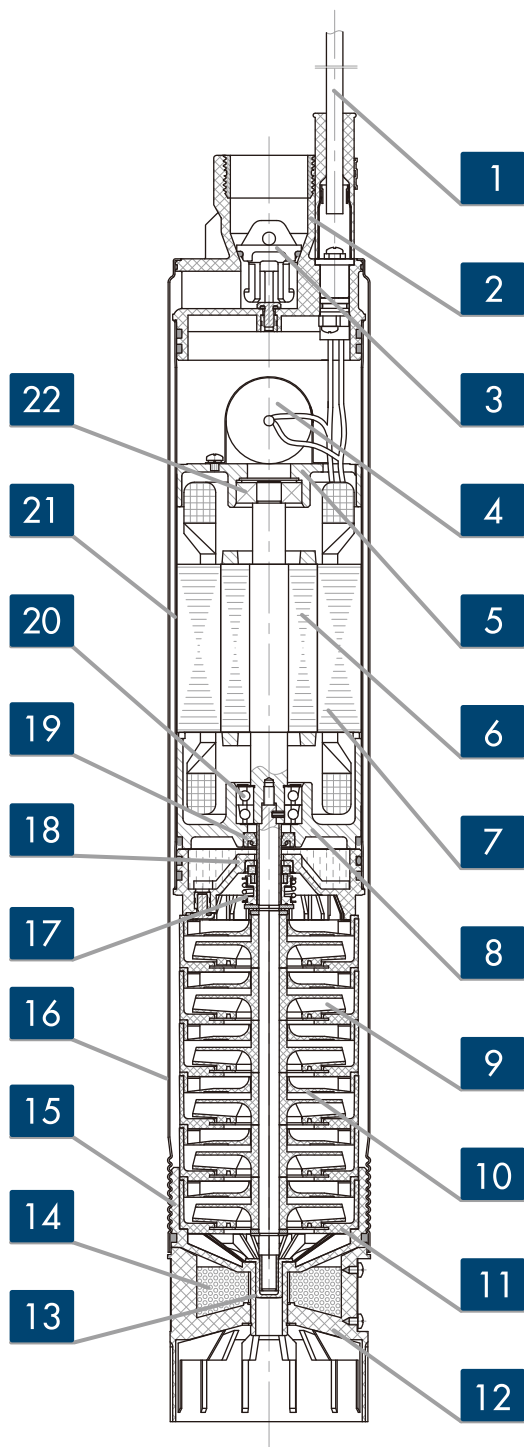
AC203S

ACQUAJET series 4" submersible electric pump with flow rate 2m³/h, single phase 0,37 kW(0,5 Hp) motor.



ACQUAJET SERIES

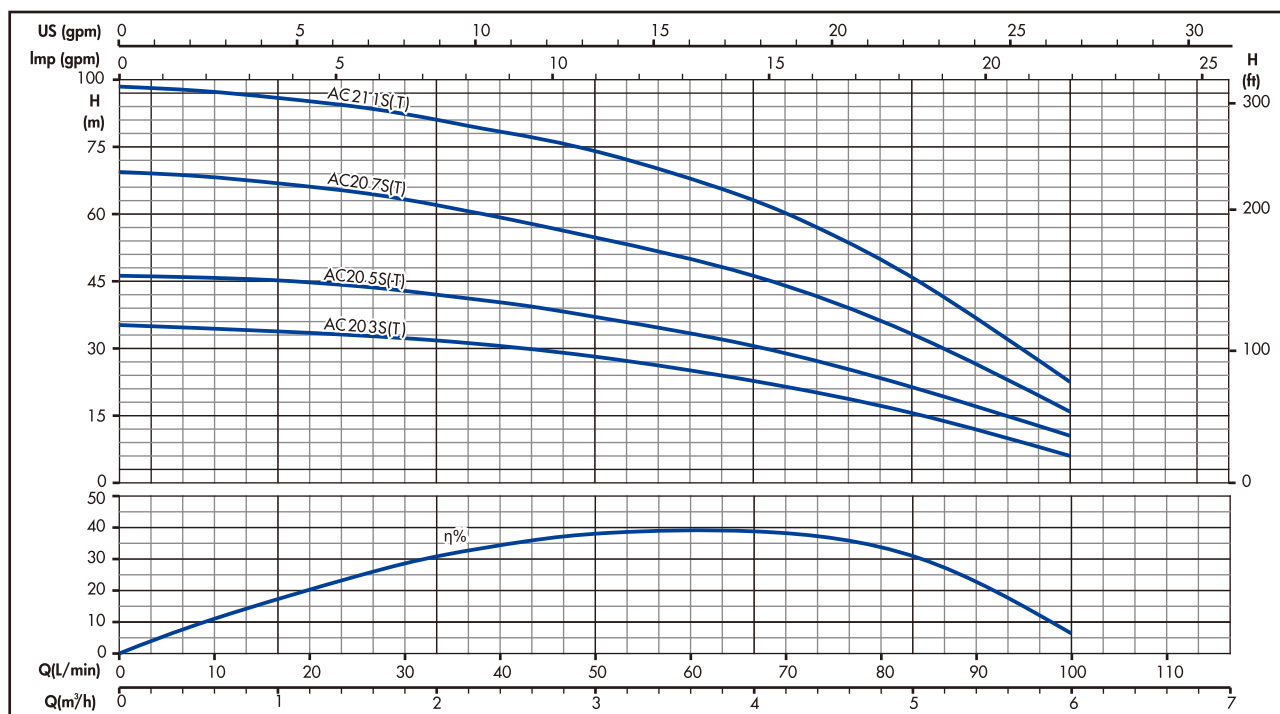
PUMP SECTION AND LIST OF MAIN COMPONENTS MATERIAL



REF.N.	PART	MATERIAL	STANDARD
1	Cable	-----	-----
2	Discharge port	Noryl® PPO	-----
3	Non-return valve	ABS	-----
4	Capacitor(only single-phase)	-----	-----
5	Upper support	Cast iron	ASTM 200A
6	Rotor	-----	-----
7	Stator	-----	-----
8	Lower support	Cast iron	ASTM 200A
9	Impeller	ABS	-----
10	Diffuser	ABS	-----
11	Stage housing	ABS	-----
12	Suction base	Noryl® PPO	-----
13	bush bearing	-----	-----
14	Filter	Stainless steel	AISI 304
15	Pump base	Noryl® PPO	-----
16	Pump sleeve	Stainless steel	AISI 304
17	Mechanical seal	Carbon/Ceramic	-----
18	Oil chamber base	Noryl® PPO	-----
19	lip seal	-----	-----
20	Bearing	-----	-----
21	Motor sleeve	Stainless steel	AISI 304
22	Bearing	-----	-----

ACQUAJET SERIES

OPERATING CHARACTERISTICS AT 50 Hz

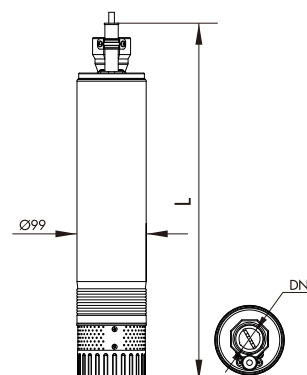


OPERATING CHARACTERISTICS AT 50 Hz

PUMP TYPE	kW	Hp	Q=DELIVERY						
			l/min 0	17	33	50	67	83	100
			m³/h 0	1	2	3	4	5	6
H=TOTAL HEAD METERS COLUMN OF WATER									
AC203S	0,37	0,5	35	34	32	28,5	23	16	6
AC203T									
AC205S	0,55	0,7	46	45	42	37	30,5	22	10,5
AC205T									
AC207S	0,75	1	69	67	62	55,5	46	33	16
AC207T									
AC211S	1,1	1,5	97	92	85	72	63	47	22
AC211T									

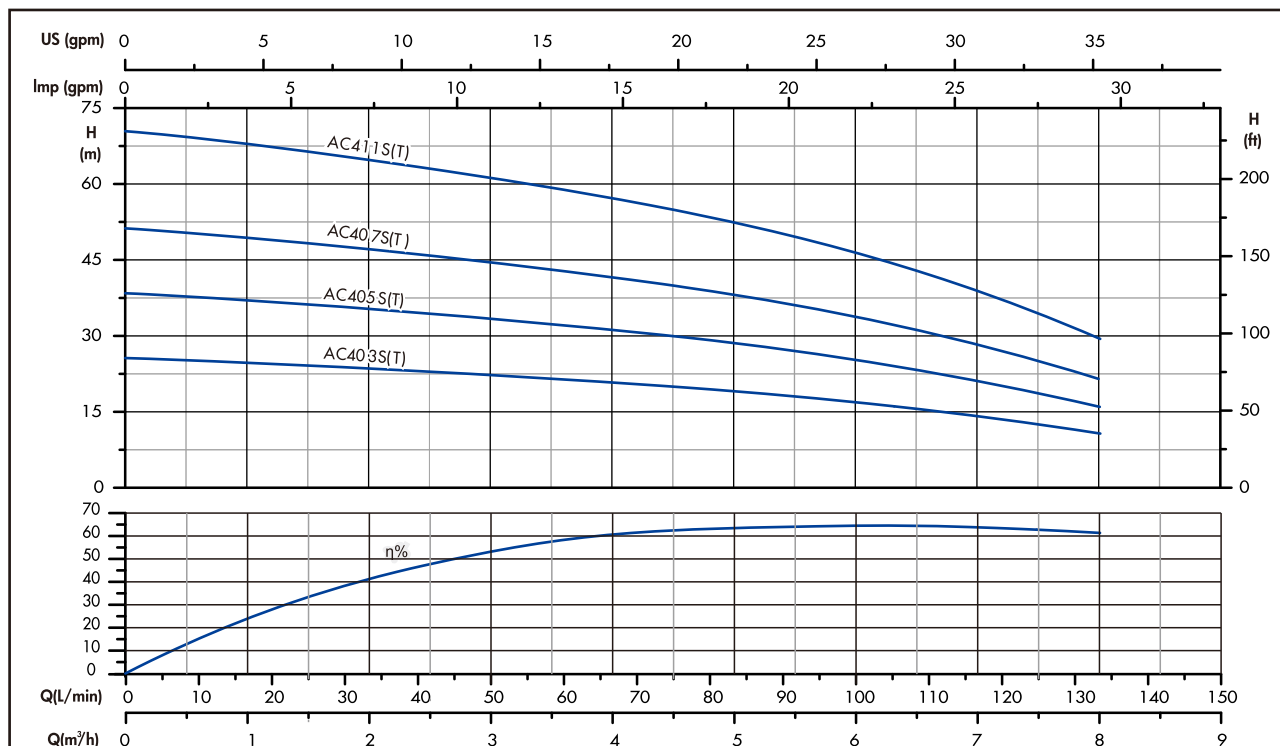
DIMENSIONS AND WEIGHTS AT 50 Hz

PUMP TYPE	N.OF STAGES	DN	L mm	PUMP WEIGHT kg
AC203S	5	Rp1"1/4	627	10
AC203T			582	9,5
AC205S	7		688	11
AC205T			653	10,5
AC207S	10		794,5	12,5
AC207T			744,5	12
AC211S	14		941,5	14,5
AC211T			896,5	13



ACQUAJET SERIES

OPERATING CHARACTERISTICS AT 50 Hz



OPERATING CHARACTERISTICS AT 50 Hz

PUMP TYPE	kW	Hp	Q=DELIVERY						
			l/min 0	33	50	67	83	100	133
			m³/h 0	2	3	4	5	6	8
H=TOTAL HEAD METERS COLUMN OF WATER									
AC403S	0,37	0,5	25,5	23,5	22,5	20	19	17	11
AC403T									
AC405S	0,55	0,7	38,5	35	33,5	30	28,5	25,5	16
AC405T									
AC407S	0,75	1	51	47	44,5	40	38	34	21
AC407T									
AC411S	1,1	1,5	70,5	65	61,5	55	52	46,5	29
AC411T									

DIMENSIONS AND WEIGHTS AT 50 Hz

PUMP TYPE	N.OF STAGES	DN	L mm	PUMP WEIGHT kg
AC403S	4	Rp1"1/4	631,5	10
AC403T			586,5	9,5
AC405S	6		707,5	11,5
AC405T			672,5	11
AC407S	8		803,5	13
AC407T			753,5	12,5
AC411S	11		947,5	15
AC411T			902,5	13,5

