

# ST-80 | SUBMERSIBLE BOREHOLE PUMPS



302ST-8008 • 302ST-8011 • 302ST-8013 • 302ST-8015 • 302ST-8020

The Speroni submersible borehole pump range covers a wide range of pumping duties for agricultural and domestic applications. Floating type impellers require less starting torque and are less affected by sand or other abrasive materials. Pumps with less than 19 impellers are fitted with one shaft bearing and pumps with more than 19 impellers are fitted with two bearings.

## APPLICATION

- Water supply
- Irrigation
- Pressure boosting

## OPERATING CONDITIONS

- Sand content: Max. 50 g/m<sup>3</sup>

## MOTOR

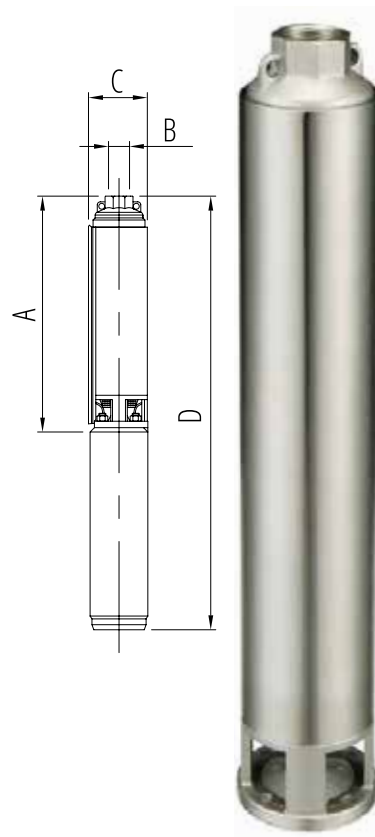
- Insulation Class F
- Protection IP68

## MATERIALS

- Shaft - Hex 304 Stainless Steel
- Shaft Coupling - 304 Stainless Steel
- Impeller - Noryl
- Strainer - 304 Stainless Steel
- Discharge Head - 304 Stainless Steel

SINGLE-PHASE MOTORS				
TYPE	DIMENSIONS mm			
	A	B	C	D
302ST-8008	676	RP/ NPT 2"	98	1171
302ST-8011	880		98	1487
302ST-8013	1013		98	1696
302ST-8015	1149		98	1832
302ST-8020	1489		98	N/A

THREE-PHASE MOTORS				
TYPE	DIMENSIONS mm			
	A	B	C	D
302ST-8008	676	RP/ NPT 2"	98	1116
302ST-8011	880		98	1396
302ST-8013	1013		98	N/A
302ST-8015	1149		98	1756
302ST-8020	1489		98	2172



TYPE	MOTOR		Q = CAPACITY																	PUMP	ELECTRO PUMP	
	kW	HP	m <sup>3</sup> /h	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	19.2	20.4	21.6	22.8	24	27		NET WEIGHT (kg)	
			l/min	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	450	Single-phase	Three-phase	
	Total head in meters w.c.																					
302ST-8008	2.2	3	H(m)	49	39	38	36	34	32	30	28	25	23	20	18	15	12	9	-	6.3	20.3	17.9
302ST-8011	3	4		67	55	53	50	48	45	42	39	36	33	30	27	23	20	16	-	8.1	27.5	23.3
302ST-8013	3.7	5		79	65	62	59	56	53	50	47	43	40	36	32	28	24	20	-	9.3	32	N/A
302ST-8015	4	5.5		93	76	73	70	66	62	59	55	51	47	43	39	34	29	25	-	10.5	33.3	30
302ST-8020	5.5	7.5		122	99	95	90	86	81	76	72	67	61	56	50	44	38	32	-	13.5	N/A	36.6

