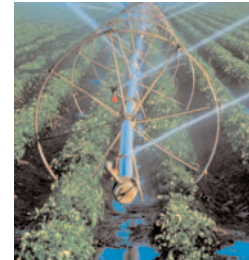


# Saturn 4 fl

## Submersible 4" borehole pumps



These pumps are being replaced during 2008 with our S4E new range.

### + Floating impellers



#### Applications

Domestic applications, irrigation.  
Pressurisation, water transfer,  
suitable for wells 4" and above.

#### Materials

##### Outer Case

Stainless steel AISI 304.

##### Discharge Body

Stainless steel AISI 304.

##### Floating Impellers

Noryl (glass loaded polymer).

##### Diffusers

Noryl (glass loaded polymer).

##### Suction Strainer

Stainless steel AISI 304.

##### Pump Support

Stainless steel AISI 304.

##### Pump Shaft

Stainless steel AISI 304.

#### Motor

##### Franklin motor as standard

Class B insulation.

Protection IP68.

Continuous operation.

Complete with built-in thermal protection.

#### Limitations

Maximum liquid temperature: 35°C.

Maximum quantity of sand in suspension: 100 g/m<sup>3</sup>.

#### Equipment

Complete with pre-fitted cable tail

Integral non return valve

Capacitor box (single phase only)

Heat shrink joint kit (option of resin joint).



Floating impellers



Pump support and pump  
discharge in stainless steel

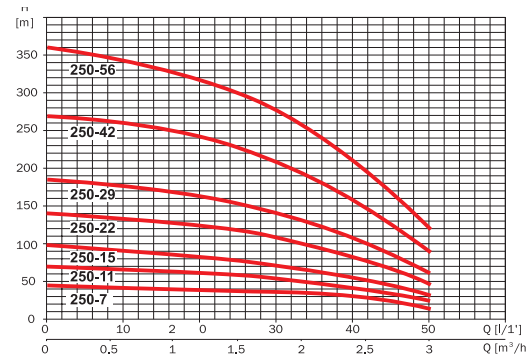


integral non return valve

# Submersible 4" borehole pumps

# Saturn 4 fl 250/350/700

**+** *Floating Impellers*



MODEL	A		P1 (kW)		kW	HP	µF
	1~	3~	1~	3~			
	230 V	400 V					
Saturn 4 fl250 7	3.4	1.3	0.7	0.6	0.37	0.5	16
Saturn 4 fl250 11	4.3	1.7	0.9	0.9	0.55	0.75	20
Saturn 4 fl250 15	5.7	2,2	1.3	1.1	0.75	1	30
Saturn 4 fl250 22	8.6	3.2	1.9	1.6	1.1	1.5	40
Saturn 4 fl250 29	10.6	4	2.3	2.1	1.5	2	50
Saturn 4 fl250 42	15.5	5.9	3.5	3.1	2.2	3	70
Saturn 4 fl250 56	-	7.8	-	4.1	3	4	-

MODEL	A		P1 (kW)		kW	HP	µF
	1~	3~	1~	3~			
	230 V	400 V					
Saturn 4 fl350 5	3.4	1.3	0.7	0.6	0.37	0.5	16
Saturn 4 fl350 7	4.3	1.7	0.9	0.9	0.55	0.75	20
Saturn 4 fl350 10	5.7	2.2	1.3	1.1	0.75	1	30
Saturn 4 fl350 15	8.6	3.2	1.9	1.6	1.1	1.5	40
Saturn 4 fl350 20	10.6	4	2.3	2.1	1.5	2	50
Saturn 4 fl350 29	15.5	5.9	3.5	3.1	2.2	3	70
Saturn 4 fl350 40	-	7.8	-	4.1	3	4	-
Saturn 4 fl350 52	-	10	-	5.4	4	5.5	-

MODEL	A		P1 (kW)		kW	HP	µF
	1~	3~	1~	3~			
	230 V	400 V					
Saturn 4 fl700 5	5.7	2.2	1.3	1.1	0.75	1	30
Saturn 4 fl700 8	8.6	3.2	1.9	1.6	1.1	1.5	40
Saturn 4 fl700 11	10.6	4	2.3	2.1	1.5	2	50
Saturn 4 fl700 16	15.5	5.9	3.5	3.1	2.2	3	70
Saturn 4 fl700 22	-	7.8	-	4.1	3	4	-
Saturn 4 fl700 30	-	10	-	5.4	4	5.5	-
Saturn 4 fl700 40	-	13.7	-	7.5	5.5	7.5	-
Saturn 4 fl700 50	-	18.4	-	11.7	7.5	10	-

Pumps with 230/400V motors on request



SEE PAGE 127 FOR  
CONTROL OPTIONS

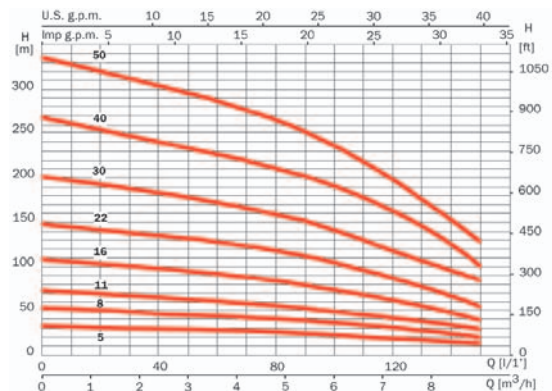
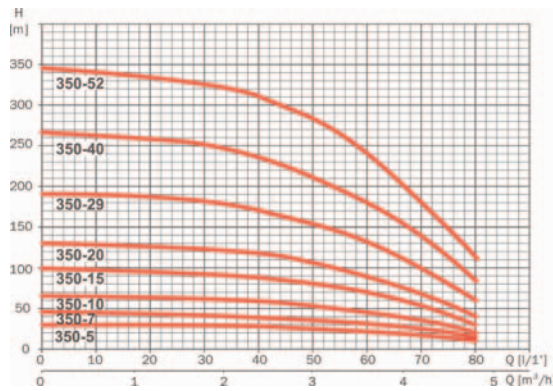


SEE PAGE 128 FOR  
POWER SUPPLY CABLE



# Saturn 4 fl 250/350/700

Submersible  
4" borehole pumps



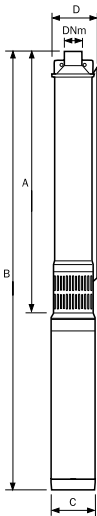
Single phase	Price	Three phase	Price	H [m]								
				l/1'	5	10	15	20	25	30	40	50
				m³/h	0.3	0.6	0.9	1.2	1.5	1.8	2.4	3
Saturn 4fl 250 7M	<b>423</b>	Saturn 4 fl250 7 T	<b>406</b>		42	41	40	39	38	37	30	15
Saturn 4 fl250 11 M	<b>445</b>	Saturn 4 fl250 11 T	<b>427</b>		70	69	65	60	58	55	40	25
Saturn 4 fl250 15 M	<b>505</b>	Saturn 4 fl250 15 T	<b>485</b>		94	90	88	81	78	70	55	31
Saturn 4 fl250 22 M	<b>597</b>	Saturn 4 fl250 22 T	<b>572</b>		139	135	130	124	118	110	81	50
Saturn 4 fl250 29 M	<b>718</b>	Saturn 4 fl250 29 T	<b>687</b>		180	175	170	162	152	142	110	60
Saturn 4 fl250 42 M	<b>904</b>	Saturn 4 fl250 42 T	<b>868</b>		265	260	250	240	227	210	160	90
		Saturn 4 fl250 56 T	<b>1,022</b>		350	340	330	318	300	280	210	120

Single phase	Price	Three phase	Price	H [m]								
				l/1'	10	20	30	40	50	60	70	80
				m³/h	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
Saturn 4 fl350 5 M	<b>425</b>	Saturn 4 fl350 5 T	<b>409</b>		30	30	30	30	26	20	18	10
Saturn 4 fl350 7 M	<b>437</b>	Saturn 4 fl350 7 T	<b>415</b>		48	48	43	40	38	30	24	13
Saturn 4 fl350 10 M	<b>464</b>	Saturn 4 fl350 10 T	<b>445</b>		64	62	60	59	53	45	33	20
Saturn 4 fl350 15 M	<b>541</b>	Saturn 4 fl350 15 T	<b>519</b>		98	94	90	89	80	70	50	30
Saturn 4 fl350 20 M	<b>624</b>	Saturn 4 fl350 20 T	<b>599</b>		130	128	124	120	105	90	70	40
Saturn 4 fl350 29 M	<b>792</b>	Saturn 4 fl350 29 T	<b>760</b>		190	188	180	170	152	132	100	60
		Saturn 4 fl350 40 T	<b>896</b>		261	259	250	235	210	180	139	88
		Saturn 4 fl350 52 T	<b>1,033</b>		340	332	325	310	280	240	180	110

Single phase	Price	Three phase	Price	H [m]								
				l/1'	10	30	50	70	90	110	130	150
				m³/h	0.6	1.8	3	4.2	5.4	6.6	7.8	9
Saturn 4 fl700 5 M	<b>499</b>	Saturn 4 fl700 5 T	<b>479</b>		31	30	29	28	24	20	18	12
Saturn 4 fl700 8 M	<b>564</b>	Saturn 4 fl700 8 T	<b>542</b>		51	49	46	42	40	33	28	20
Saturn 4 fl700 11 M	<b>643</b>	Saturn 4 fl700 11 T	<b>618</b>		70	68	62	59	52	48	39	30
Saturn 4 fl700 16 M	<b>669</b>	Saturn 4 fl700 16 T	<b>643</b>		106	100	95	89	80	69	55	40
		Saturn 4 fl700 22 T	<b>876</b>		145	139	130	122	111	96	79	55
		Saturn 4 fl700 30 T	<b>1,040</b>		195	188	178	166	150	130	106	85
		Saturn 4 fl700 40 T	<b>1,187</b>		260	248	232	220	200	178	145	100
		Saturn 4 fl700 50 T	<b>1,524</b>		328	310	295	278	252	218	175	130

# Submersible 4" borehole pumps

# Saturn 4 fl 900/1300



	A	B	C	D	DNm	KgA	KgB
Saturn 4 fl250 7	293	547	95	98	1 1/4"	2.6	10.6
Saturn 4 fl250 11	373	657	95	98	1 1/4"	3.4	12.5
Saturn 4 fl250 15	453	757	95	98	1 1/4"	4.2	14.3
Saturn 4 fl250 22	593	942	95	98	1 1/4"	5.5	17.5
Saturn 4 fl250 29	733	1127	95	98	1 1/4"	6.9	20.8
Saturn 4 fl250 42	993	1407	95	98	1 1/4"	9.4	24.6
Saturn 4 fl250 56	1273	1727	95	98	1 1/4"	12.1	29.6

	A	B	C	D	DNm	KgA	KgB
Saturn 4 fl700 5	341	645	95	98	2"	2.9	13
Saturn 4 fl700 8	456	805	95	98	2"	3.9	15.9
Saturn 4 fl700 11	572	966	95	98	2"	4.9	18.8
Saturn 4 fl700 16	764	1178	95	98	2"	6.5	21.7
Saturn 4 fl700 22	995	1449	95	98	2"	8.5	23.7
Saturn 4 fl700 30	1303	1913	95	98	2"	11.1	34.6
Saturn 4 fl700 40	1688	2368	95	98	2"	14.4	41.2
Saturn 4 fl700 50	2073	2823	95	98	2"	17.7	50.4

	A	B	C	D	DNm	KgA	KgB
Saturn 4 fl350 5	253	507	95	98	1 1/4"	2.2	10.2
Saturn 4 fl350 7	293	577	95	98	1 1/4"	2.6	11.7
Saturn 4 fl350 10	353	657	95	98	1 1/4"	3.2	13.3
Saturn 4 fl350 15	453	802	95	98	1 1/4"	4.2	16.2
Saturn 4 fl350 20	533	927	95	98	1 1/4"	5.1	19
Saturn 4 fl350 29	733	1147	95	98	1 1/4"	6.9	22.1
Saturn 4 fl350 40	953	1407	95	98	1 1/4"	9	26.5
Saturn 4 fl350 52	1193	1803	95	98	1 1/4"	11.3	38.1

	A	B	C	D	DNm	KgA	KgB
Saturn 4 fl900 5	341	735	95	98	2"	2.9	16.8
Saturn 4 fl900 7	418	812	95	98	2"	3.5	17.4
Saturn 4 fl900 10	533	947	95	98	2"	4.5	19.7
Saturn 4 fl900 14	687	1141	95	98	2"	5.8	23.3
Saturn 4 fl900 19	880	1490	95	98	2"	7.4	30.9
Saturn 4 fl900 27	1188	1868	95	98	2"	10	36.8
Saturn 4 fl900 36	1534	2284	95	98	2"	13	45.7

	A	B	C	D	DNm	KgA	KgB
Saturn 4 fl 1300 5	363	757	95	98	2"	3	16.9
Saturn 4 fl 1300 8	491	905	95	98	2"	4.1	19.3
Saturn 4 fl 1300 11	620	1074	95	98	2"	5.2	22.7
Saturn 4 fl 1300 15	792	1402	95	98	2"	6.6	30.1
Saturn 4 fl 1300 20	1006	1686	95	98	2"	8.4	35.2
Saturn 4 fl 1300 27	1306	2056	95	98	2"	10.9	43.6

## Floating Impellers



MODEL	A		P1 (kW)		kW	HP	µF
	1~ 230 V	3~ 400 V	1~	3~			
Saturn 4 fl900 5	8.6	3.2	1.9	1.6	1.1	1.5	40
Saturn 4 fl900 7	10.6	4	2.3	2.1	1.5	2	50
Saturn 4 fl900 10	15.5	5.9	3.5	3.1	2.2	3	70
Saturn 4 fl900 14	-	7.8	-	4.1	3	4	-
Saturn 4 fl900 19	-	10	-	5.4	4	5.5	-
Saturn 4 fl900 27	-	13.7	-	7.5	5.5	7.5	-
Saturn 4 fl900 36	-	18.4	-	11.7	7.5	10	-

MODEL	A		P1 (kW)		kW	HP	µF
	1~ 230 V	3~ 400 V	1~	3~			
Saturn 4 fl1300 5	10.6	4	2.3	2.1	1.5	2	50
Saturn 4 fl1300 8	15.5	5.9	3.5	3.1	2.2	3	70
Saturn 4 fl1300 11	-	7.8	-	4.1	3	4	-
Saturn 4 fl1300 15	-	10	-	5.4	4	5.5	-
Saturn 4 fl1300 20	-	13.7	-	7.5	5.5	7.5	-
Saturn 4 fl1300 27	-	18.4	-	11.7	7.5	10	-

Pumps with 230/400V motors on request

SEE PAGE 127 FOR  
CONTROL OPTIONS

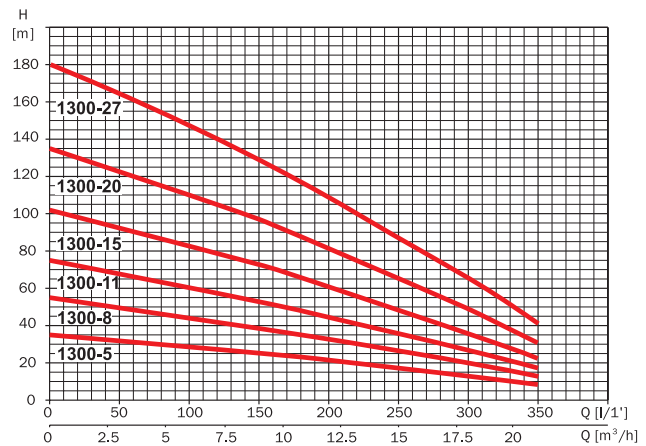
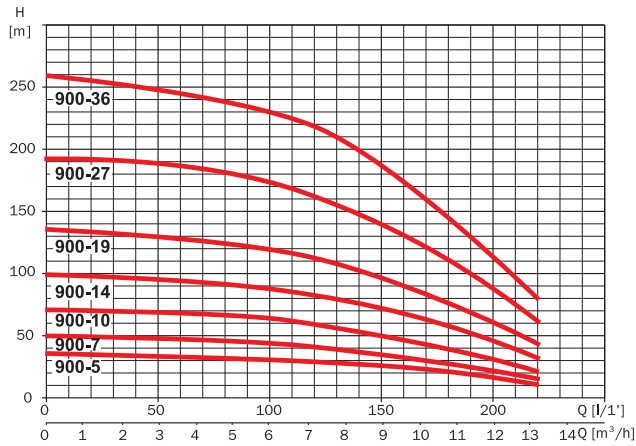


SEE PAGE 128 FOR  
POWER SUPPLY CABLE



# Saturn 4 fl 900/1300

Submersible  
4" borehole pumps



Single phase	Price	Three phase	Price	l/1'	10	30	60	90	120	150	180	220
				m³/h	0.6	1.8	3.6	5.4	7.2	9	10.8	13.2
Saturn 4 fl900 5 M	547	Saturn 4 fl900 5 T	525	H [m]	35	34	32	31	30	26	21	12
Saturn 4 fl900 7 M	567	Saturn 4 fl900 7 T	544		50	49	48	45	41	35	28	16
Saturn 4 fl900 10 M	671	Saturn 4 fl900 10 T	644		70	69	68	65	60	50	40	22
		Saturn 4 fl900 14 T	792		100	98	92	90	82	72	56	31
		Saturn 4 fl900 19 T	906		132	130	128	120	111	97	75	42
		Saturn 4 fl900 27 T	1,089		190	189	185	176	162	140	110	61
		Saturn 4 fl900 36 T	1,451		256	251	243	234	218	189	145	80

Single phase	Price	Three phase	Price	l/1'	50	100	150	200	250	300	350	400
				m³/h	3	6	9	12	15	18	21	24
Saturn 4 fl1300 5 M	611	Saturn 4 fl1300 5 T	578	H [m]	31	28	25	20	16	12	7	3
Saturn 4 fl1300 8 M	702	Saturn 4 fl1300 8T	672		49	44	38	32	25	19	12	4
		Saturn 4 fl1300 11 T	919		67	60	53	44	35	26	16	6
		Saturn 4 fl1300 15 T	1,056		92	83	72	60	48	35	22	8
		Saturn 4 fl1300 20 T	1,260		122	110	96	81	65	48	30	12
		Saturn 4 fl1300 27 T	1,723		165	147	130	108	87	65	40	15