



## Construction

Submersible borehole pumps for 4" wells (DN 100 mm), and 6" (DN 150 mm), with external jacket in stainless steel AISI 304 and stages in polycarbonate for 4SD pumps and in noryl for 4SDF, 6SD, 6SDN pumps.

### Impellers

radial floating impellers	4SDF 16, 22, 36, 46, 54
radial impellers	4SD 31, - 6SDN 12, 16, 21
mixed flow impellers	4SD 10, 15 - 6SD 18, 19, 20

**Connection:** screwed connection ISO 228.

Delivery casing with built-in non-return valve.

## Applications

For water supply.

For civil and industrial applications.

For fire fighting applications.

For irrigation.

## Operating conditions

Liquid temperature: - up to a 35 °C for 4" motors

- up to a 25 °C for 6" motors.

Max. sand quantity into the water: 150 g/m<sup>3</sup> (300 g/m<sup>3</sup> high percentage of solids and sand).

Continuous duty.

## Rewindable motor CS-R series

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).

Sized for connection to the pumps according to NEMA Standards.

Standard voltages:

- single-phase 230 V up to 2,2 kW for 4" motors.

- three-phase 230 V; 400 V, for 4" motors.

- three-phase 400 V; 400/690 V, for 6" motors.

Voltage tolerance : +6% / -10%.

In order to limit both current and torque at each starting, for rated motor powers equal to or higher than 7.5 kW, one of the following types of starting is necessary: star/delta, soft starter, stator impedance or autotransformer.

## Operating conditions motor

Motor	Max. Liquid temperature	Cooling: minimum flow velocity	Max. starts per hour	Motor P2
4CS-R	35 °C	0,08 m/s	20	all types
6CS-R	30 °C	0,1 m/s	15	4÷11 kW
		0,2 m/s	15	13÷15 kW
	25 °C	0,2 m/s	15	18,5 kW
		0,2 m/s	13	22÷30 kW

Insulation class F for 4" motors, class E for 6" motors.

Motor suitable operation with frequency converter .

Protection IP 68.

## Special features on request

- Other voltages.

- 60 Hz frequency.

- Other temperatures.

- Encapsulated motor **FK series**.

The electropumps 4SD31, 4SDF series comply with the European Regulation no. 547/2012.

## Materials

Components	Part Nr.	4SD, 4SDF	6SD, 6SDN
External jacket	14.02	Cr-Ni steel	AISI 304
Stage casing (4SDF)	25.02	Cr-Ni steel	AISI 304
Stage casing (4,6SD)	25.02	Polycarbonate (Lexan 141 R)	-
Diffuser	26.00		GFN2V* (NORYL®)
Impeller	28.00	GFN2V* (NORYL®)* for 4SDF	(NORYL®)
Wear ring		Cr-Ni steel	AISI 304
Shaft	64.00	Cr steel	AISI 430 F
Delivery casing	12.01	Cr-Ni steel	Bronze
Suction lantern	32.02	AISI 304	G-Cu Sn 10 EN 1982
Bearing bush	12.03-12.30	Thermoplastic	Rubber
Strainer	15.50	Cr-Ni steel	AISI 430
Screws		Cr-Ni steel	AISI 304

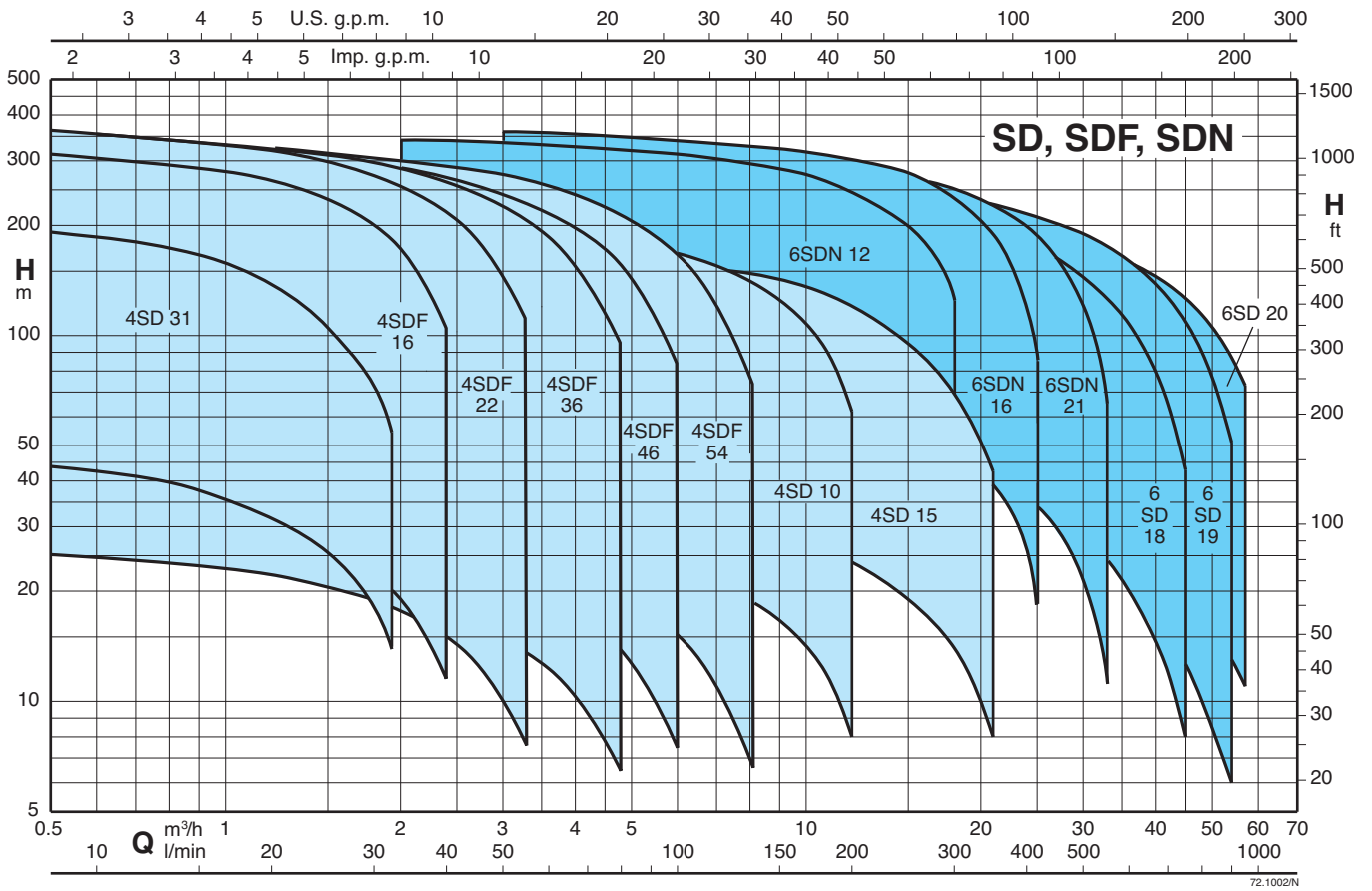
\* Trademark of General Electric

Components	4CS	6CS-R
External frame	Cr-Ni steel	AISI 304
Shaft	Cr-Ni-Mo steel AISI 316 (shaft end)	Cr steel AISI 431
Thrust bearing	Oil wetted ball type	Oscillation pads
Bearing bush	Oil wetted ball type	Graphite

## Designation

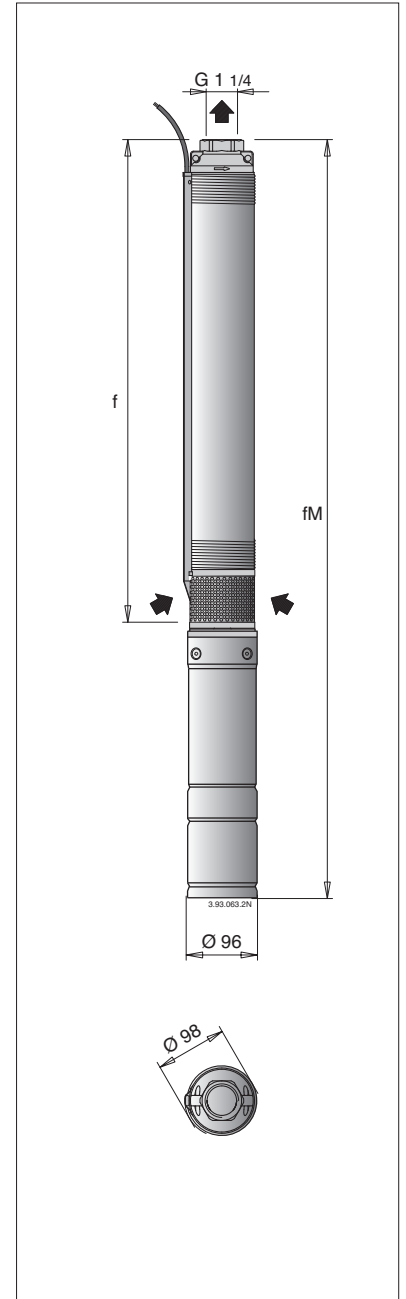
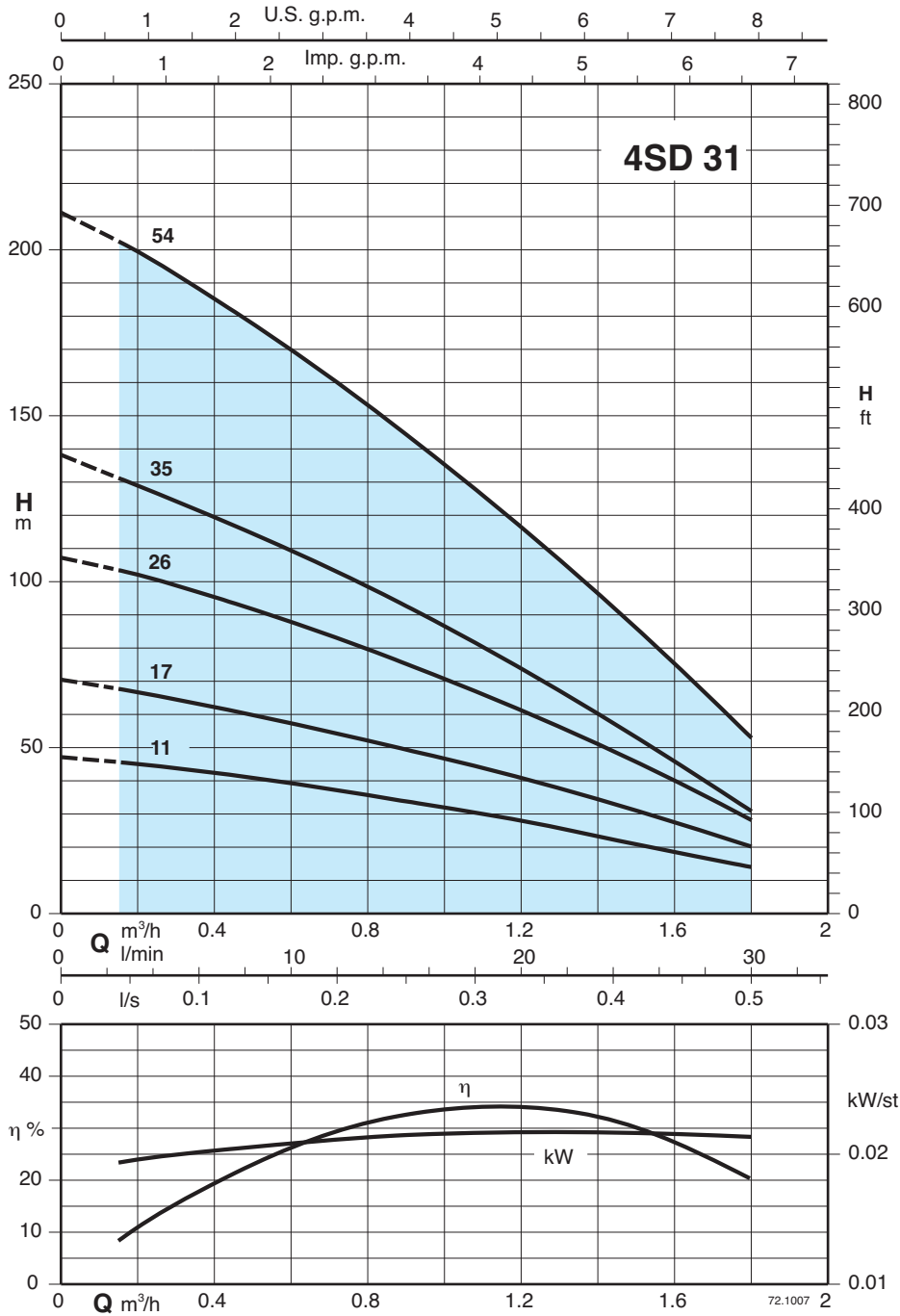
Ø of the well in inches 4 SD M 31 / 26  
 Series \_\_\_\_\_  
 Single-phase motor (up to max. 2,2 kW) \_\_\_\_\_  
 Stage identification \_\_\_\_\_  
 Number of stages \_\_\_\_\_

Coverage chart  $n \approx 2900$  rpm





### Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



3~	400 V (380-415) 50 Hz A	1~	230V Capacitor *			P1 kW	P2 kW	HP	Q m³/h	n ≈ 2900 rpm											
			A	μF	kW					0	0,15	0,3	0,6	0,9	1,2	1,5	1,8				
4SD 31/11EC	1,2	4SDM 31/11EC	3,2	16	0,71	0,37	0,5	H m	47	45,6	43,8	39,3	33,8	28	20,9	14					
4SD 31/17EC	1,2	4SDM 31/17EC	3,2	16	0,71	0,37	0,5		70,5	67,7	64,5	57,3	49,4	40,9	31	20,2					
4SD 31/26EC	1,5	4SDM 31/26EC	4	25	0,91	0,55	0,75		107	104	98,9	87,9	75,2	61,2	45,7	28,1					
4SD 31/35EC	2,2	4SDM 31/35EC	5,6	30	1,24	0,75	1		138	131	124	109	92,6	73,8	53,1	30,8					
4SD 31/54EC	2,8	4SDM 31/54EC	8	40	1,71	1,1	1,5		211	203	193	170	144	116	86	52,9					

f	4SD		4SDM	
	fM	kg	fM	kg
402	729	12	729	11,6
520	847	13	847	12,6
698	1025	12,5	1060	15,7
875	1222	14,6	1237	17
1295	1657	18,7	1697	21,6

P1 Max. power input P2 Rated motor power output \* Only for single-phase motor 230 V - 50 Hz (on request)

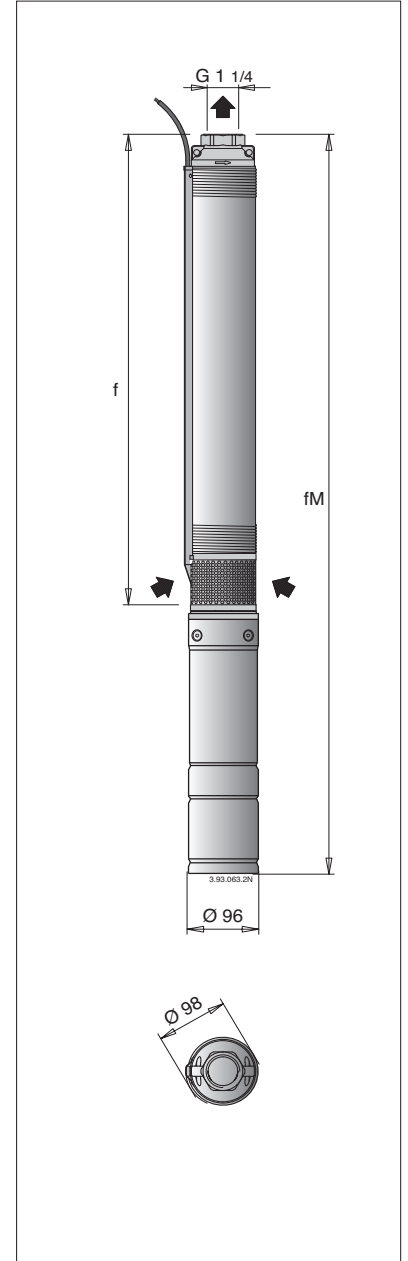
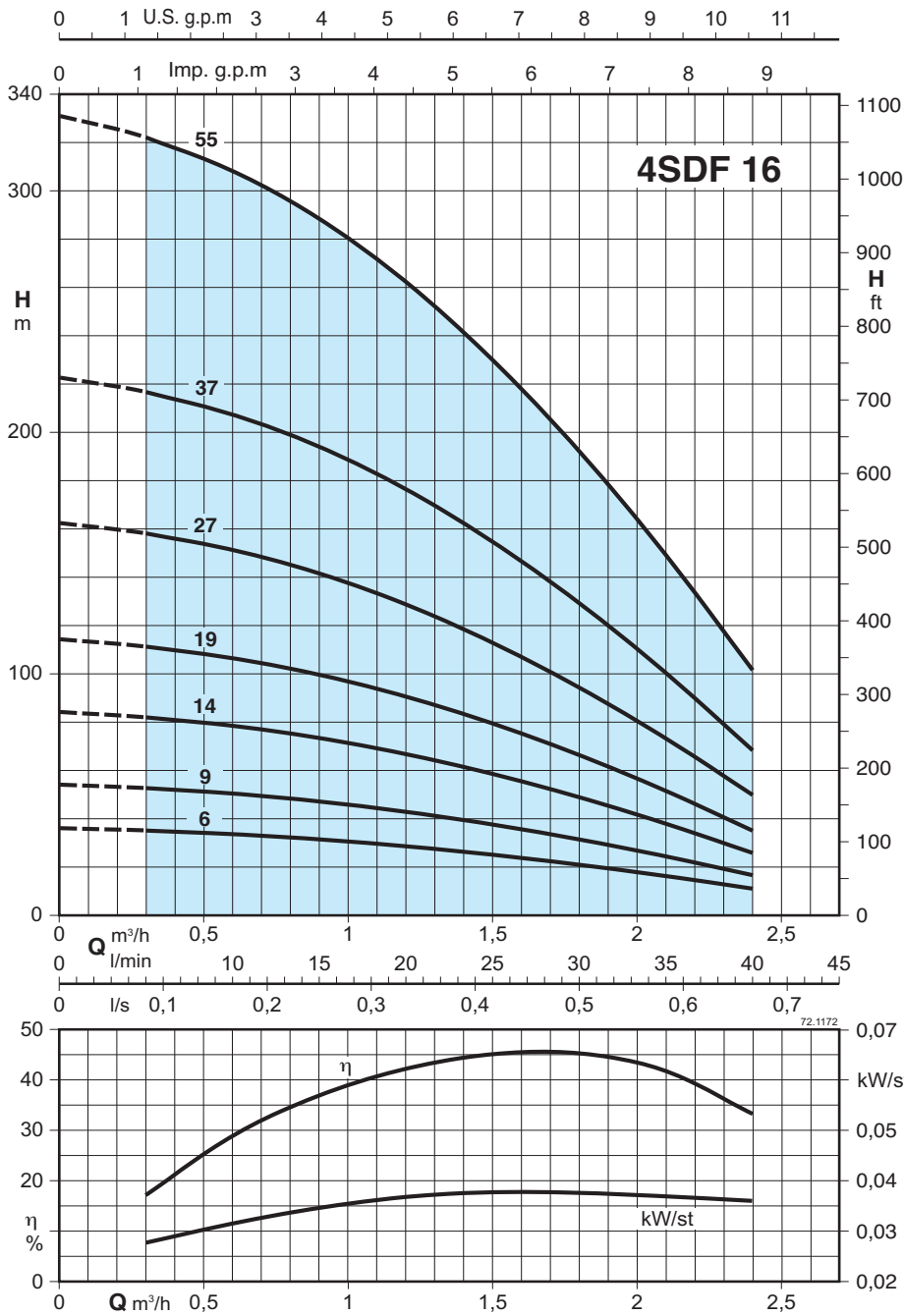
Tolerances according to UNI EN ISO 9906:2012

# 4SDF 16

Submersible borehole pumps for 4" wells



## Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



	400 V (380-415) 50 Hz		230V* 450 Vc		P1			P2			Q		n ≈ 2900 rpm																							
	3~		1~		A	μF	kW	kW	HP	l/min																										
	A		A							0	5	10	15	20	25	30	35	40																		
4SDF 16/6EC	1,2		4SDFM 16/6EC	3,2	16	0,71	0,37	0,5			36,1	35,1	33,6	31,5	28,6	25,1	21	16,3	11,1																	
4SDF 16/9EC	1,2		4SDFM 16/9EC	3,2	16	0,71	0,37	0,5			54,2	52,7	50,4	47,2	42,9	37,6	31,4	24,4	16,6																	
4SDF 16/14EC	1,5		4SDFM 16/14EC	4	25	0,91	0,55	0,75			84,3	82	78,5	73,4	66,8	58,5	48,9	38	25,8																	
4SDF 16/19EC	2,2		4SDFM 16/19EC	5,6	30	1,24	0,75	1			114	111	106	100	90,6	79,5	66,4	51,5	35,1																	
4SDF 16/27EC	2,8		4SDFM 16/27EC	8	40	1,71	1,1	1,5			163	158	151	142	129	113	94,3	73,2	49,8																	
4SDF 16/37EC	3,7		4SDFM 16/37EC	10,8	60	2,33	1,5	2			223	217	207	194	176	155	129	100	68,3																	
4SDF 16/55EC	5,5		4SDFM 16/55EC	14,7	70	3,25	2,2	3			331	322	308	288	262	230	192	149	102																	

f	4SDF		4SDFM	
	fM	kg	fM	kg
305	632	11	632	11,1
365	692	11,5	692	11,6
465	792	12,4	827	12,7
565	912	14,4	927	13,5
725	1087	16,7	1127	15,7
915	1317	19,9	1362	21,7
1325	1727	24,6	1842	30,6

P1 Max. power input P2 Rated motor power output \* Only for single-phase motor 230 V - 50 Hz (on request) Tolerances according to UNI EN ISO 9906:2012

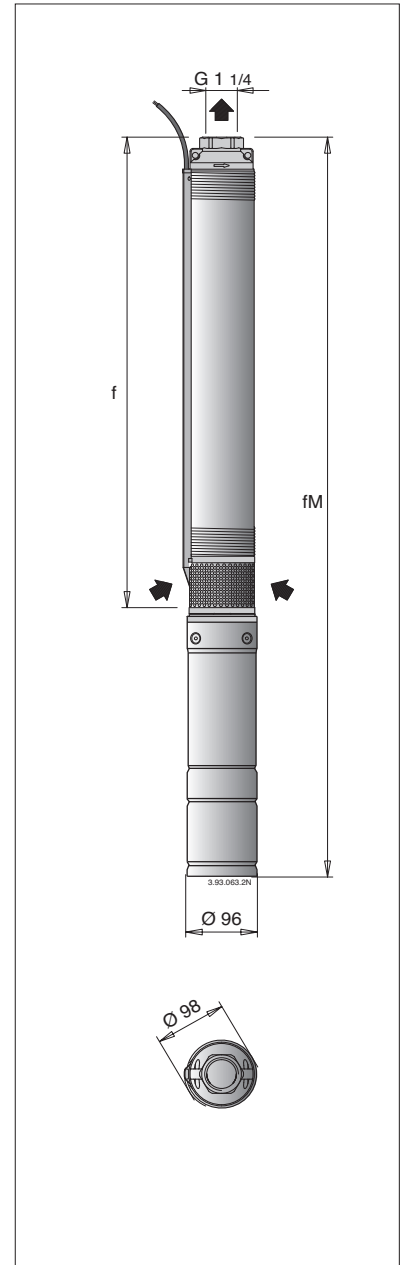
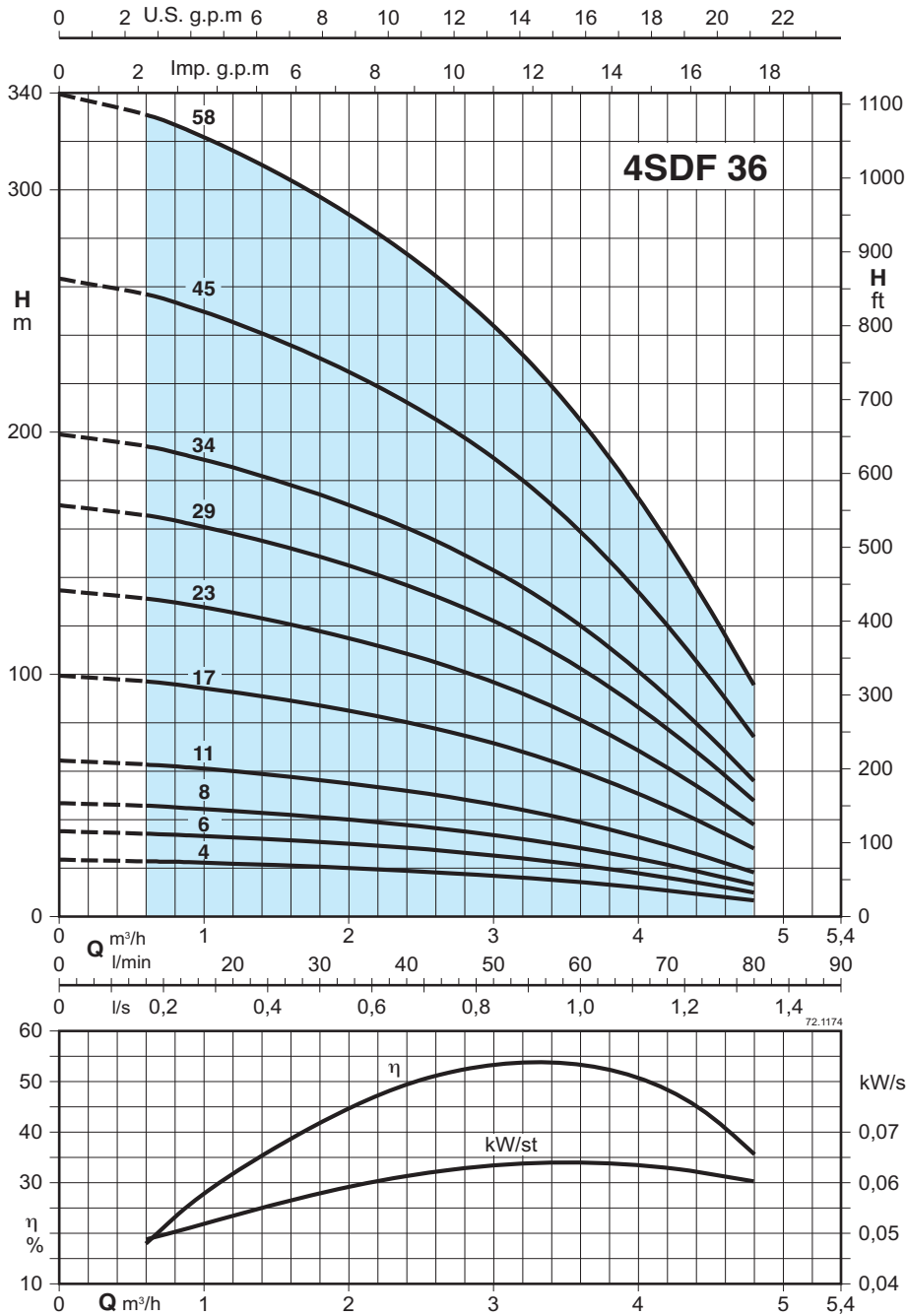


# 4SDF 36

Submersible borehole pumps for 4" wells



## Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



3~	400 V (380-415) 50 Hz	1~	230V Capacitor		P1 kW	P2 kW HP	Q m³/h l/min	n ≈ 2900 rpm									
			A	μF				0	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8	
			A	μF				0	10	20	30	40	50	60	70	80	
4SDF 36/4EC	1,2	4SDFM 36/4EC	3,2	16	0,71	0,37	0,5	23,4	22,8	21,8	20,5	18,8	16,8	14,1	10,7	6,6	
4SDF 36/6EC	1,2	4SDFM 36/6EC	3,2	16	0,71	0,37	0,5	35,1	34,2	32,7	30,7	28,3	25,2	21,2	16	9,9	
4SDF 36/8EC	1,5	4SDFM 36/8EC	4	25	0,91	0,55	0,75	46,8	45,6	43,6	40,9	37,7	33,6	28,2	21,3	13,2	
4SDF 36/11EC	2,2	4SDFM 36/11EC	5,6	30	1,24	0,75	1	64,3	62,7	59,9	56,3	51,8	46,2	38,8	29,4	18,1	
4SDF 36/17EC	2,8	4SDFM 36/17EC	8	40	1,71	1,1	1,5	99,4	96,9	92,6	87	80,1	71,4	60	45,4	28	
4SDF 36/23EC	3,7	4SDFM 36/23EC	10,8	60	2,33	1,5	2	134	131	125	118	108	96,6	81,2	61,4	37,8	
4SDF 36/29EC	5,5	4SDFM 36/29EC	14,7	70	3,25	2,2	3	170	165	158	148	137	122	102	77,4	47,7	
4SDF 36/34EC	5,5	4SDFM 36/34EC	14,7	70	3,25	2,2	3	199	194	185	174	160	143	120	90,7	55,9	
4SDF 36/45EC	7,4					3	4	263	256	245	230	212	189	159	120	74	
4SDF 36/58EC	9,4					4	5,5	339	331	316	297	273	244	205	155	95,4	

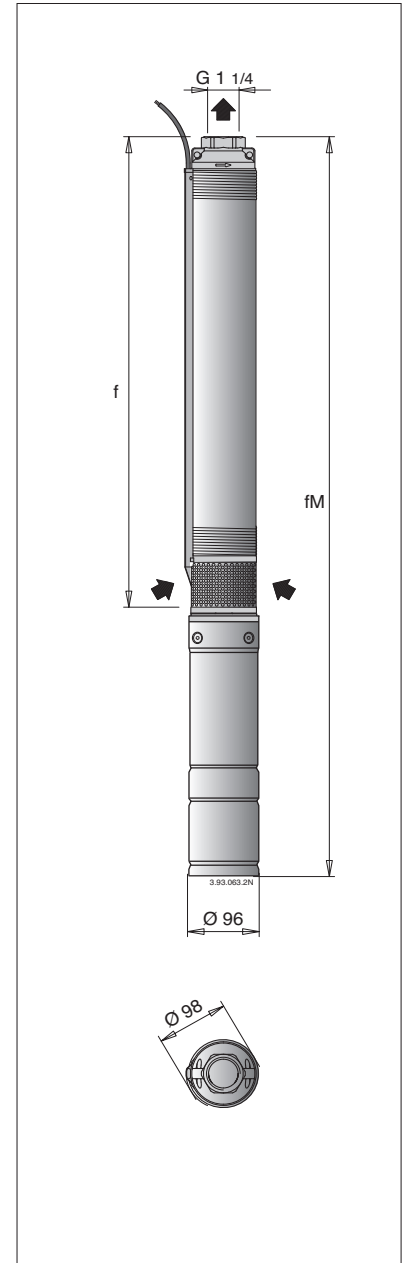
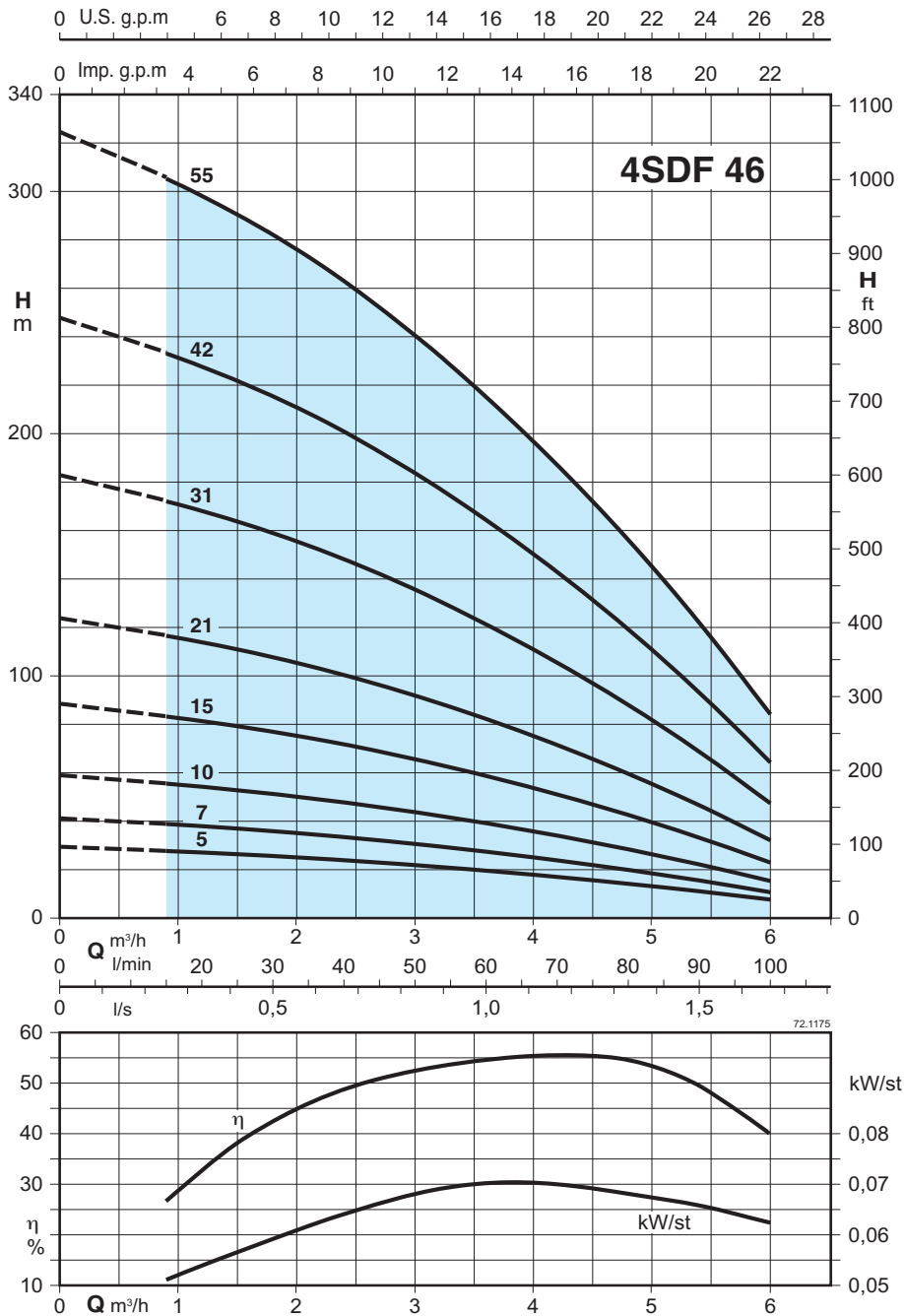
f mm	4SDF		4SDFM	
	fM mm	kg	fM mm	kg
306	633	10,7	633	10,6
366	693	11,1	693	11
426	753	9,6	788	13,3
517	864	11	879	14,1
699	1061	13,4	1101	16,8
880	1282	15,7	1327	19,9
1063	1465	27,3	1580	24,7
1213	1694	28,7	1730	26,1
1590	2136	28,4		
1981	2627	34,3		

P1 Max. power input P2 Rated motor power output

\* Only for single-phase motor 230 V - 50 Hz (on request)

Tolerances according to UNI EN ISO 9906:2012

### Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



3~	400 V (380-415) 50 Hz	A	1~	230V Capacitor P1			P2		Q	n ≈ 2900 rpm											
				A	450 Vc		kW	kW		HP	m³/h										
					μF	kW					HP	0	0,9	1,2	1,8	2,4	3	3,6	4,2	4,8	6
4SDF 46/5EC	1,2	4SDFM 46/5EC	3,2	16	0,71	0,37	0,5	H m	29,4	27,8	27,1	25,6	23,9	21,9	19,6	17	14,2	7,6			
4SDF 46/7EC	1,5	4SDFM 46/7EC	4	25	0,91	0,55	0,75		41,2	38,9	37,9	35,9	33,5	30,6	27,4	23,8	19,9	10,7			
4SDF 46/10EC	2,2	4SDFM 46/10EC	5,6	30	1,24	0,75	1		58,9	55,5	54,2	51,3	47,8	43,7	39,1	34	28,4	15,3			
4SDF 46/15EC	2,8	4SDFM 46/15EC	8	40	1,71	1,1	1,5		88,3	83,3	81,3	76,9	71,7	65,6	58,7	51	42,6	22,9			
4SDF 46/21EC	3,7	4SDFM 46/21EC	10,8	60	2,33	1,5	2		124	117	114	108	100	91,9	82,2	71,4	59,6	32,1			
4SDF 46/31EC	5,5	4SDFM 46/31EC	14,7	70	3,25	2,2	3		183	172	168	159	148	136	121	105	88	47,4			
4SDF 46/42EC	7,4					3	4		247	233	228	215	201	184	164	143	119	64,2			
4SDF 46/55EC	9,4					4	5,5		324	305	298	282	263	241	215	187	156	84,1			

f	4SDF		4SDFM	
	fM	kg	fM	kg
331	658	10,9	658	10,8
392	719	9,4	754	13,1
382	729	10,6	744	13,7
634	996	12,7	1036	16,1
815	1217	14,9	1262	19,1
1117	1519	27,2	1632	24,6
1495	1976	31,5		
1889	2435	38,6		

P1: Max. power input P2: Rated motor power output

\* Only for single-phase motor 230 V - 50 Hz (on request)

Tolerances according to UNI EN ISO 9906:2012

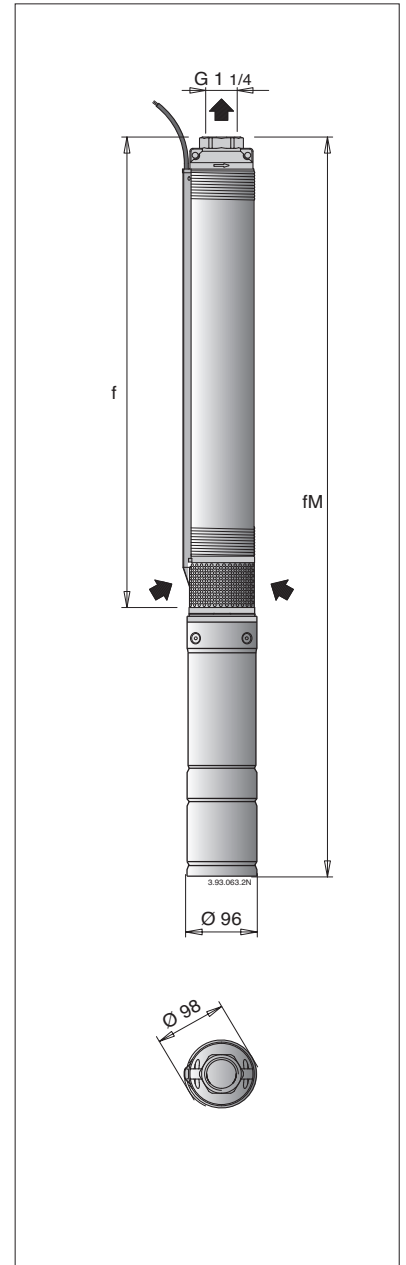
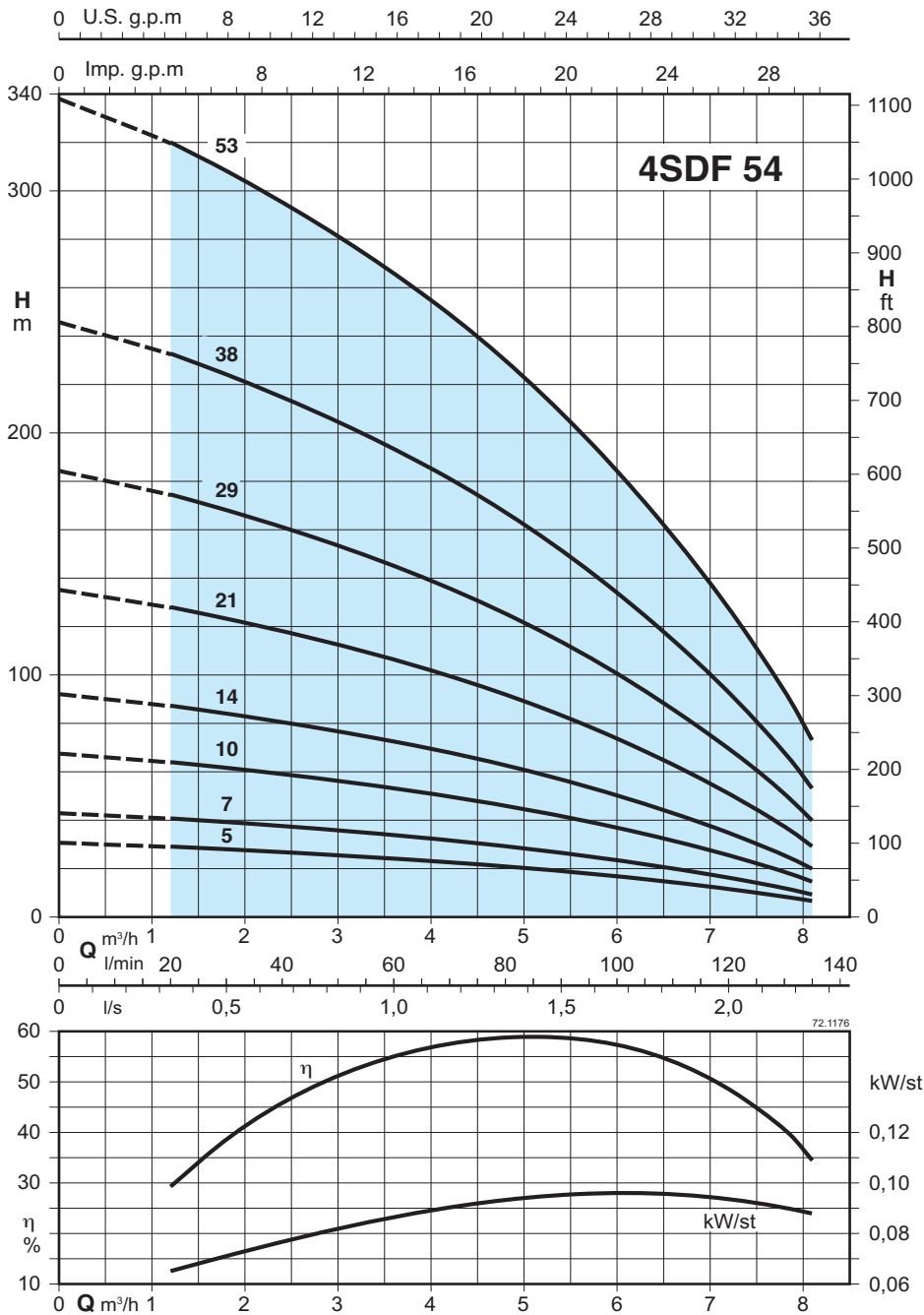


# 4SDF 54

Submersible borehole pumps for 4" wells



## Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



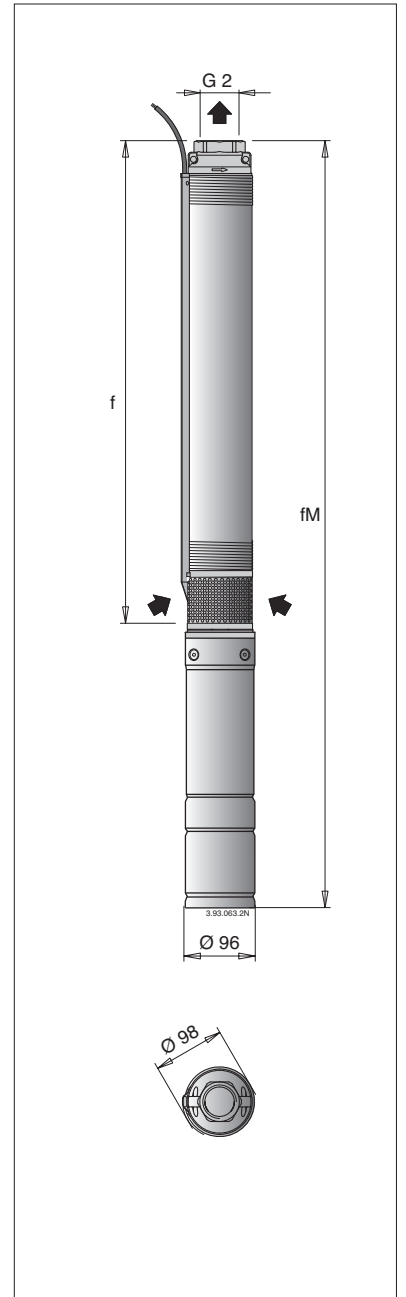
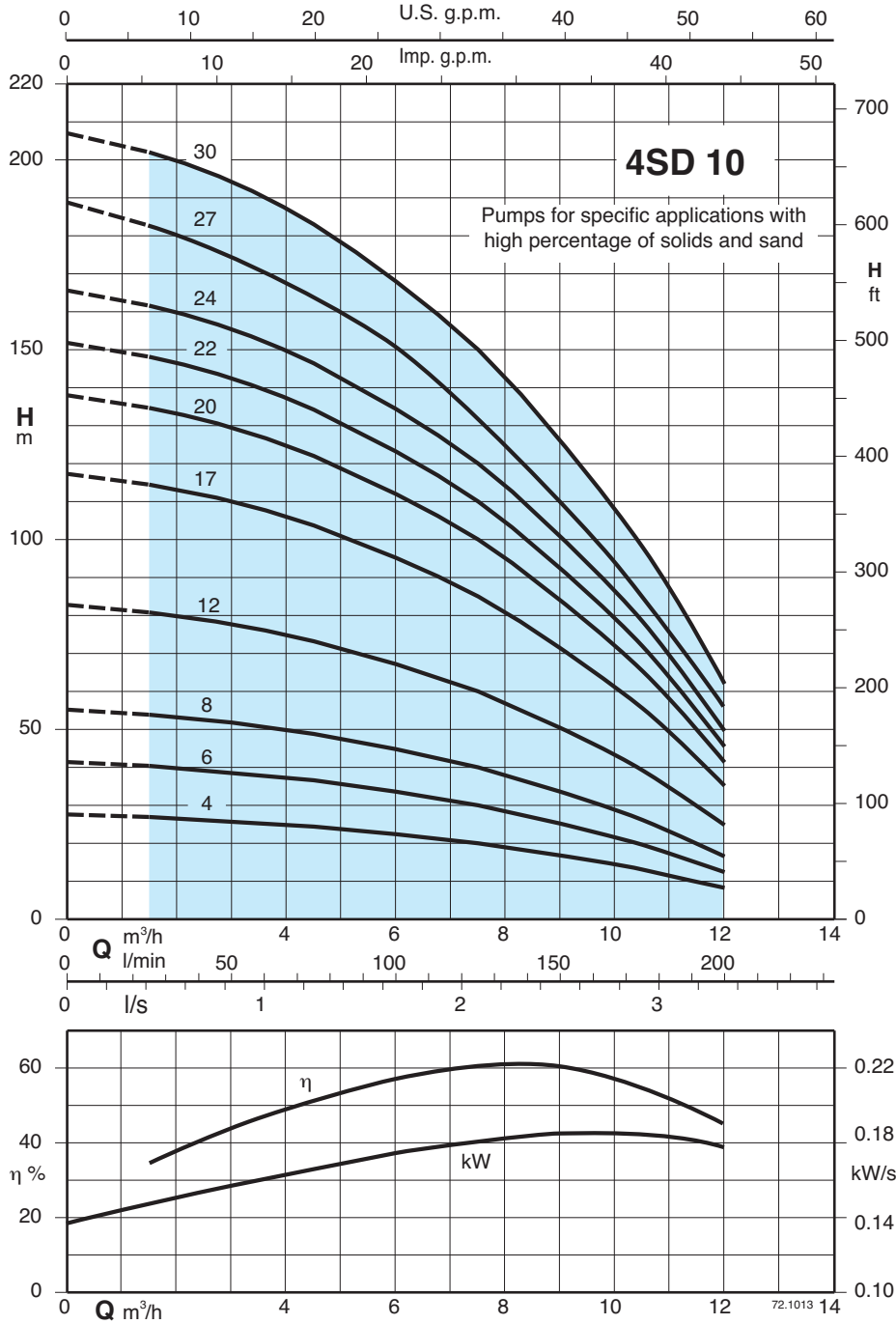
	400 V (380-415) 50 Hz		230V* Capacitor		P1 kW	P2 kW	HP	Q m³/h	n ≈ 2900 rpm										
	3~ A	1~ A	450 Vc µF						Q l/min										
			0	1,2					1,8	2,4	3	3,6	4,8	6	7,2	8,1			
4SDF 54/5EC	1,5	4SDFM 54/5EC	4	25	0,91	0,55	0,75	H m	30,8	29,1	28	26,8	25,6	24,2	20,9	16,8	11,6	6,6	
4SDF 54/7EC	2,2	4SDFM 54/7EC	5,6	30	1,24	0,75	1		43,1	40,7	39,2	37,6	35,8	33,8	29,3	23,5	16,3	9,3	
4SDF 54/10EC	2,8	4SDFM 54/10EC	8	40	1,71	1,1	1,5		67,7	64	61,6	59,1	56,3	53,2	46	36,9	25,6	14,6	
4SDF 54/14EC	3,7	4SDFM 54/14EC	10,8	60	2,33	1,5	2		92,3	87,3	84,1	80,5	76,7	72,5	62,7	50,3	34,8	19,9	
4SDF 54/21EC	5,5	4SDFM 54/21EC	14,7	70	3,25	2,2	3		135	128	123	118	113	106	92	73,7	51,1	29,2	
4SDF 54/29EC	7,4					3	4		185	175	168	161	153	145	125	101	69,7	39,9	
4SDF 54/38EC	9,4					4	5,5		246	233	224	215	205	193	167	134	92,9	53,1	
4SDF 54/53EC	13					5,5	7,5		338	320	308	295	281	266	230	184	128	73,1	

f	4SDF			4SDFM	
	fM mm	kg	fM mm	kg	
340	667	8,9	702	12,6	
400	747	10	762	13,1	
490	852	11,7	892	15,1	
610	1012	13,6	1057	17,8	
820	1222	25,4	1337	22,8	
1060	1541	28,8			
1380	1926	35,6			
1830	2476	41,8			

P1: Max. power input P2: Rated motor power output \* Only for single-phase motor 230 V - 50 Hz (on request)

Tolerances according to UNI EN ISO 9906:2012

### Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



3~ 400 V (380-415) 50 Hz A	1~ 230V Capacitor P1 450 Vc A    μF    kW	P2 kW    HP	Q m³/h l/min	n ≈ 2900 rpm												
				H m												
				1,5	2,4	3	3,6	4,8	6	7,2	8,4	9,6	10,8	12		
4SD 10/4EC	2,2	4SDM 10/4EC	5,6    30    1,24	0,75	1	27	26	26	25	24	23	20	18	15	12	8
4SD 10/6EC	2,8	4SDM 10/6EC	8    40    1,71	1,1	1,5	40	39	39	38	36	34	31	27	23	18	12
4SD 10/8EC	3,7	4SDM 10/8EC	10,8    60    2,33	1,5	2	54	53	52	51	48	45	41	36	30	25	16
4SD 10/12EC	5,5	4SDM 10/12EC	14,7    70    3,25	2,2	3	81	79	78	76	72	67	61	54	46	37	25
4SD 10/17EC	7,4			3	4	114	112	111	108	102	95	87	76	65	52	35
4SD 10/20EC	9,4			4	5,5	134	132	130	127	120	112	102	90	76	61	41
4SD 10/22EC	9,4			4	5,5	148	145	143	139	132	123	112	99	84	67	45
4SD 10/24EC	9,4			4	5,5	162	158	156	152	144	134	122	108	91	74	50
4SD 10/27EC	13			5,5	7,5	182	178	176	171	162	151	138	122	103	83	56
4SD 10/30EC	13			5,5	7,5	202	198	195	190	180	168	153	135	114	92	62

f mm	4SD		4SDM	
	fM mm	kg	fM mm	kg
409	756	10,4	771	12,8
515	877	12,1	917	15
621	1023	13,9	1068	17,5
833	1235	25,9	1350	22,7
1098	1579	28		
1312	1858	36		
1418	1964	36,8		
1524	2070	37,6		
1683	2329	41,1		
1842	2488	42,1		

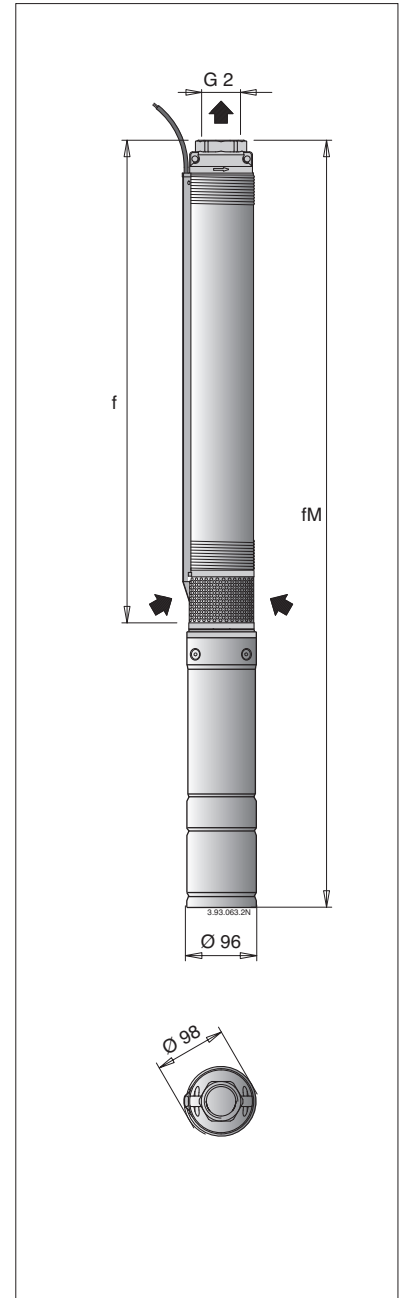
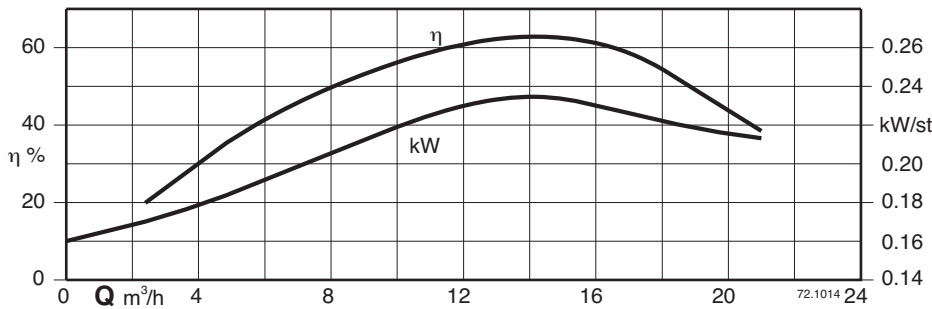
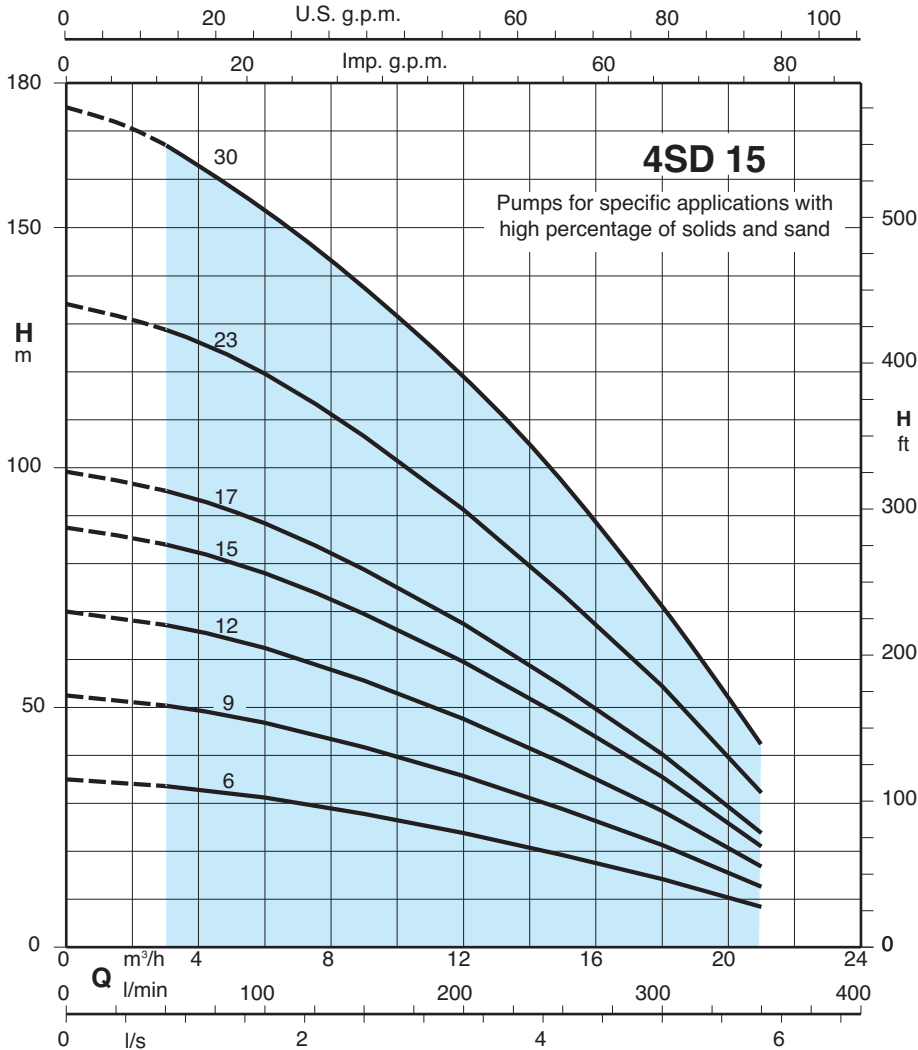
P1 Max. power input

P2 Rated motor power output

\* Only for single-phase motor 230 V - 50 Hz (on request)

Tolerances according to UNI EN ISO 9906:2012

### Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



	3~ 400 V (380-415) 50 Hz A	1~ 230V * Capacitor P1 450 Vc A	P2 kW	P2 HP	Q													4SD		4SDM				
					n ≈ 2900 rpm													f	fM	kg	fM	kg		
					H m													mm	mm		mm			
					3	3,6	4,8	6	7,2	8,4	9,6	10,8	12	15	18	21								
					50	60	80	100	120	140	160	180	200	250	300	350								
4SD 15/6EC	3,7	4SDM 15/6EC	10,8	60	2,33	1,5	2	33	33	32	31	30	29	28	26	24	19	14	8	755	1157	13,8	1202	17,4
4SD 15/9EC	5,5	4SDM 15/9EC	14,7	70	3,25	2,2	3	50	49	48	47	45	43	42	38	36	29	21	13	988	1390	33	1505	30,2
4SD 15/12EC	7,4					3	4	67	66	64	62	59	57	56	51	48	38	28	17	1299	1780	34,3		
4SD 15/15EC	9,4					4	5,5	84	83	81	78	74	71	69	64	59	48	35	21	1601	2147	40,6		
4SD 15/17EC	9,4					4	5,5	95	94	92	88	84	81	79	72	67	54	40	24	1756	2302	41,4		
4SD 15/23EC	13					5,5	7,5	129	127	124	120	114	109	107	98	91	74	54	32	2291	2937	49,4		
4SD 15/30E	18,8					7,5 <sup>1)</sup>	10 <sup>1)</sup>	168	166	162	156	149	142	140	128	119	97	70	42	2836	3610	62		

P1: Max. power input    P2: Rated motor power output    \* Only for single-phase motor 230 V - 50 Hz (on request)    Tolerances according to UNI EN ISO 9906:2012

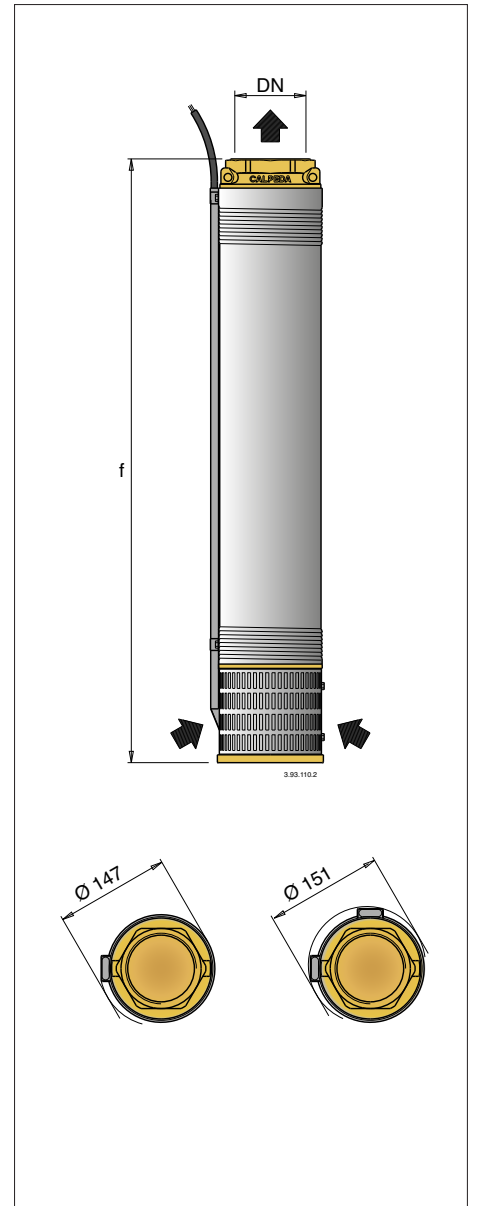
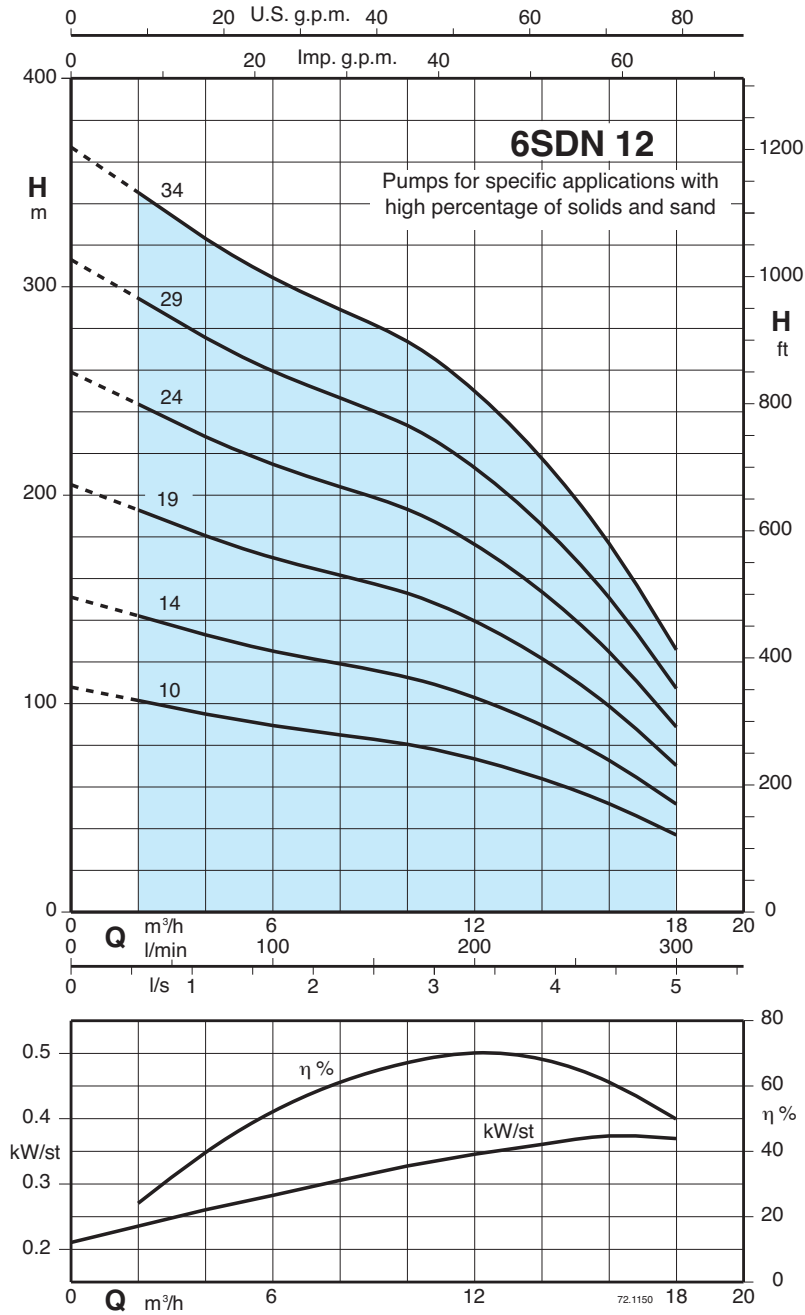
<sup>1)</sup> Franklin motor

# 6SDN 12

Submersible borehole pumps for 6" wells



## Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



3~	P <sub>2</sub>		Q	n $\approx$ 2900 rpm												
	kW	HP		m³/h	2	4	6	8	10	12	14	16	18			
				l/min	33,3	66,6	100	133,3	166,6	200	233	266	300			
6SDN 12/10	4	5,5	H m	102	95	89,5	85	80,5	73,5	64	52	37				
6SDN 12/14	5,5	7,5		142	133	125	119	113	103	89,5	73	52				
6SDN 12/19	7,5	10		193	181	170	162	153	140	122	99	70,5				
6SDN 12/24	9,2	12,5		244	231	215	204	193	176	154	125	89				
6SDN 12/29	11	15		294	276	260	247	233	213	186	151	107				
6SDN 12/34	13 (15)	17,5 (20)		345	323	304	289	274	250	218	177	126				

DN	f	
	mm	kg
G 3 ISO 228	715	15,5
	870	17,5
	1060	20
	1320	23
	1510	25,7
	1705	28,5

P<sub>2</sub> Rated motor power output

(...) FK motor rated power output

H Total head in m

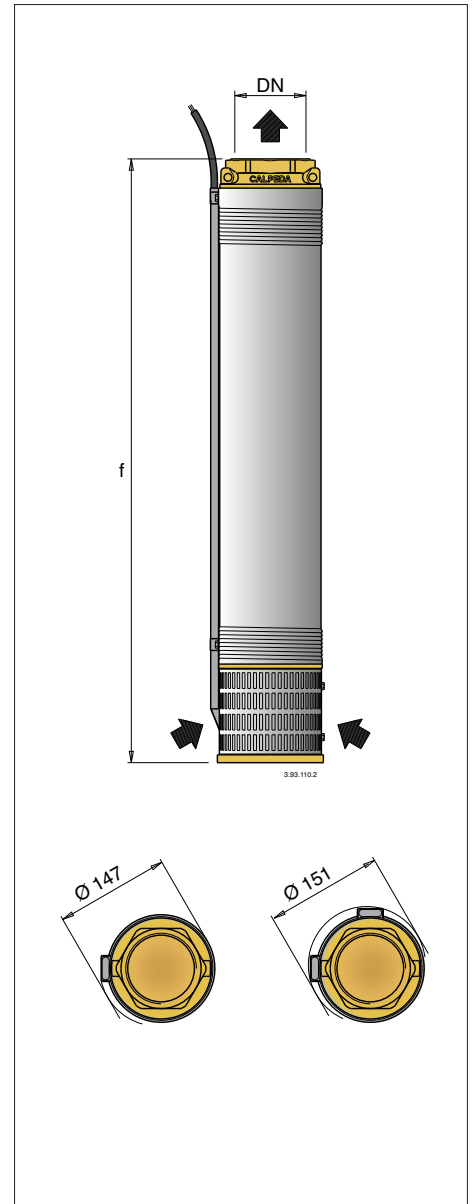
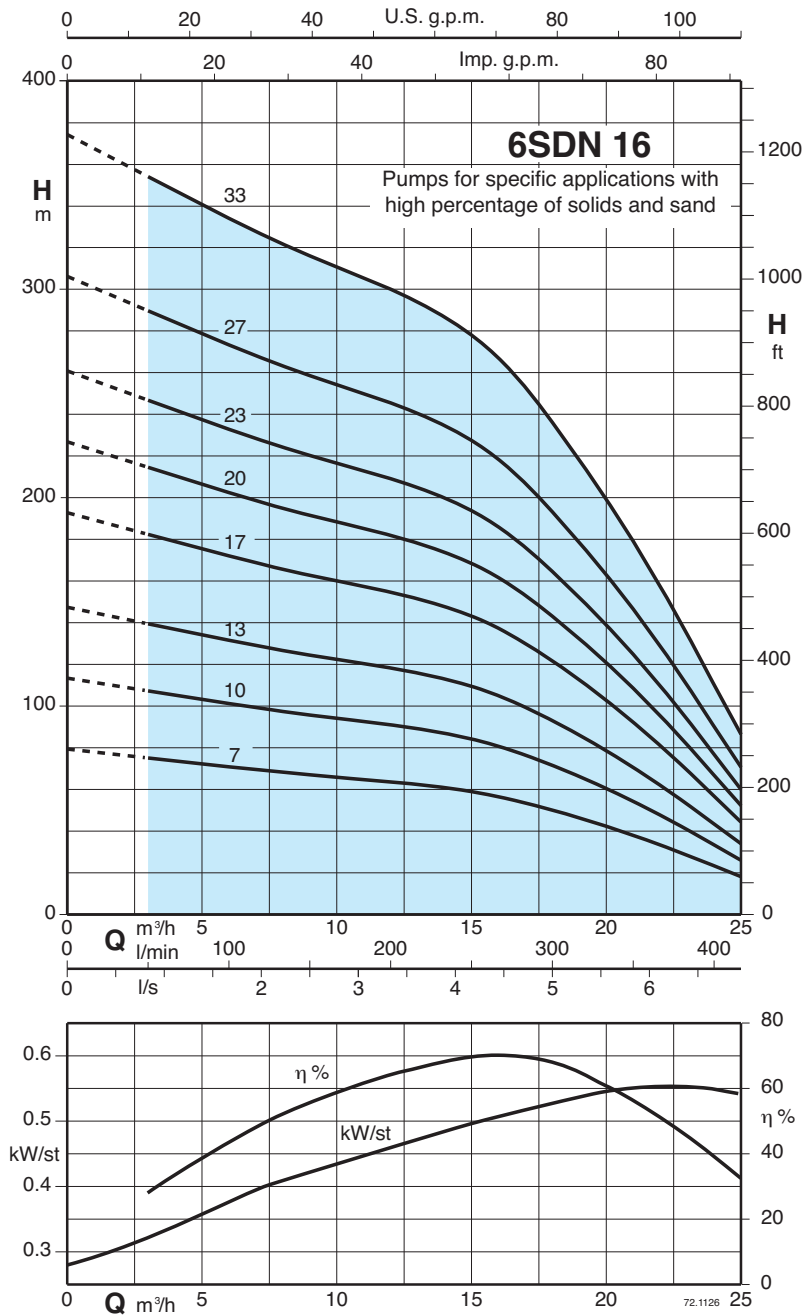
Tolerances according to UNI EN ISO 9906:2012

# 6SDN 16

Submersible borehole pumps for 6" wells



## Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



3~	P <sub>2</sub>		Q	n ≈ 2900 rpm												
	kW	HP		m <sup>3</sup> /h	3	6	9	12	15	18	21	25				
				l/min	50	100	150	200	250	300	350	416,6				
6SDN 16/7	4	5,5	H m	75	71	67	63,5	59	50	38	18,5					
6SDN 16/10	5,5	7,5		107	101	96	91	84	71,5	54,5	26					
6SDN 16/13	7,5	10		139	132	124	118	110	93	70,5	34					
6SDN 16/17	9,2	12,5		182	172	163	155	143	122	92,5	44,5					
6SDN 16/20	11	15		215	202	192	182	168	143	109	52,5					
6SDN 16/23	13 (15)	17,5 (20)		247	233	220	209	194	165	125	60					
6SDN 16/27	15	20		290	273	259	245	227	193	147	71					
6SDN 16/33	18,5	25		354	334	316	300	278	236	179	86,5					

DN	f	
	mm	kg
G 3 ISO 228	600	14
	715	15,5
	830	17
	985	19
	1100	20,5
	1285	22,5
	1435	24,6
	1665	28

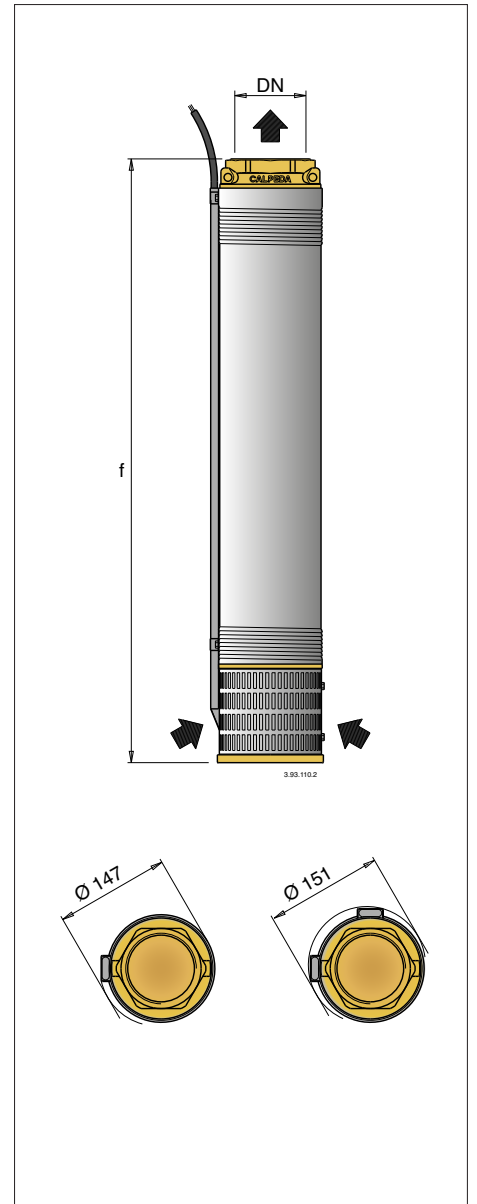
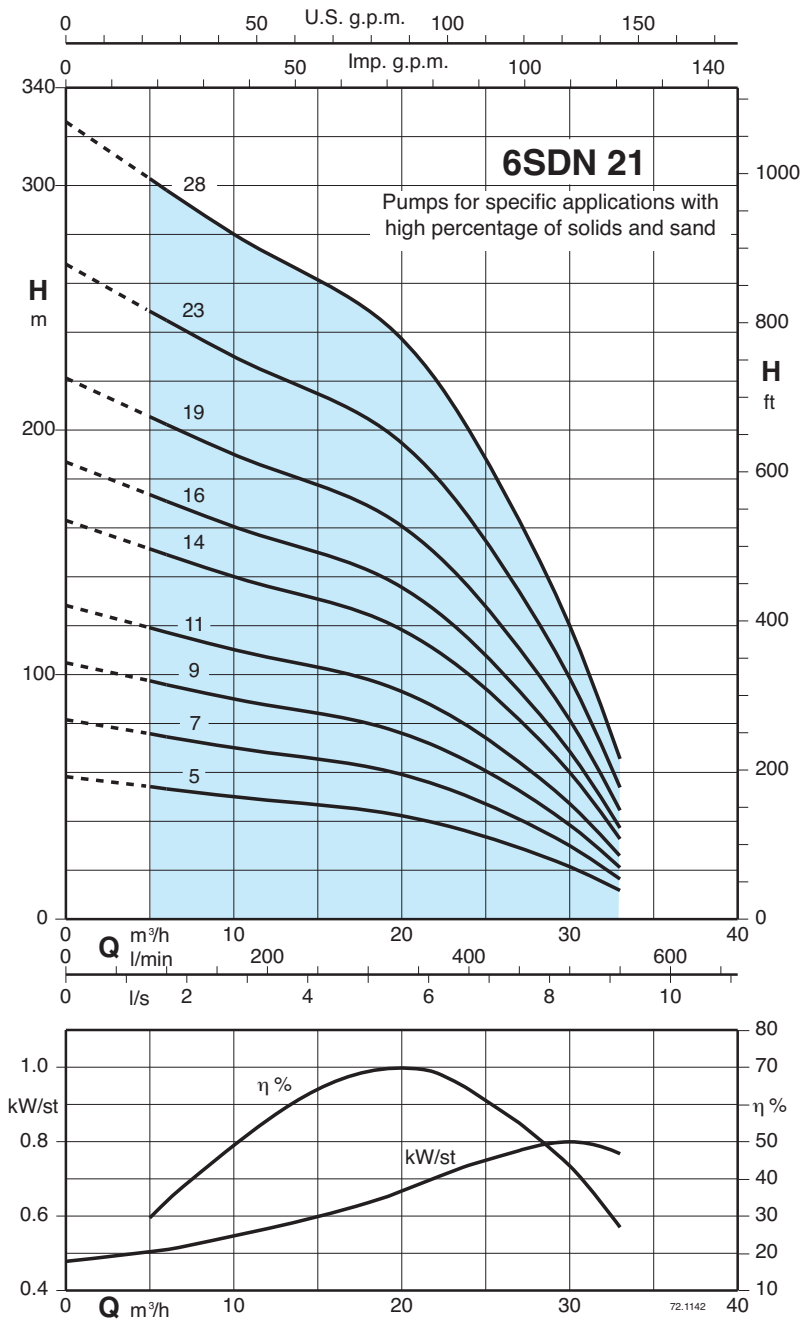
P<sub>2</sub> Rated motor power output

(...) FK motor rated power output

H Total head in m

Tolerances according to UNI EN ISO 9906:2012

## Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



3~	P <sub>2</sub>		Q	n ≈ 2900 rpm															
	kW	HP		H															
				m³/h	5	9	12	15	18	21	24	27	30	33					
6SDN 21/5	4	5,5	l/min	83,3	150	200	250	300	350	400	450	500	550						
6SDN 21/7	5,5	7,5	m	54	51	48,5	46,5	45	41,5	36	29	21,5	11,5						
6SDN 21/9	7,5	10		75,5	71,5	68	65	62,5	58	50	41	30	16						
6SDN 21/11	9,2	12,5		97	92	87,5	83,5	80,5	74,5	64,5	53	38,5	21						
6SDN 21/14	11	15		119	112	107	102	99	91	79	64	47	25,5						
6SDN 21/16	13 (15)	17,5 (20)		151	143	136	130	125	116	100	81,5	60	32,5						
6SDN 21/19	15	20		173	163	155	149	143	132	114	93	69	37						
6SDN 21/23	18,5	25		205	194	185	176	170	157	136	111	81,5	44						
6SDN 21/28	22	30		249	235	224	213	206	190	164	134	99	53						
				303	286	272	260	251	231	200	163	120	64,5						

DN	f	kg
G 3 ISO 228	565	13,3
	660	14,5
	755	15,7
	850	16,9
	990	18,7
	1085	19,9
	1225	21,7
	1480	24,5
	1710	27,5

P<sub>2</sub> Rated motor power output

(...) FK motor rated power output

H Total head in m

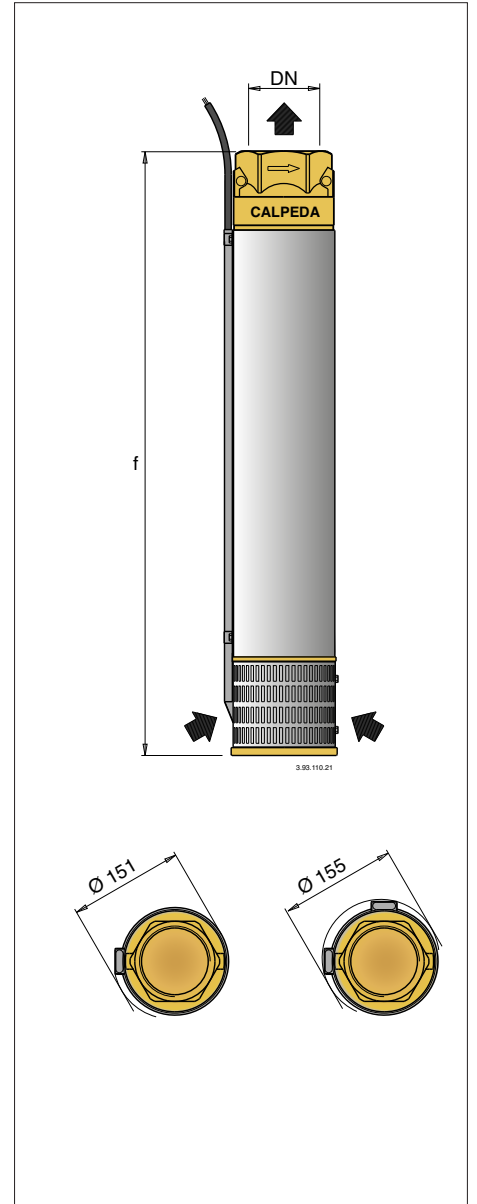
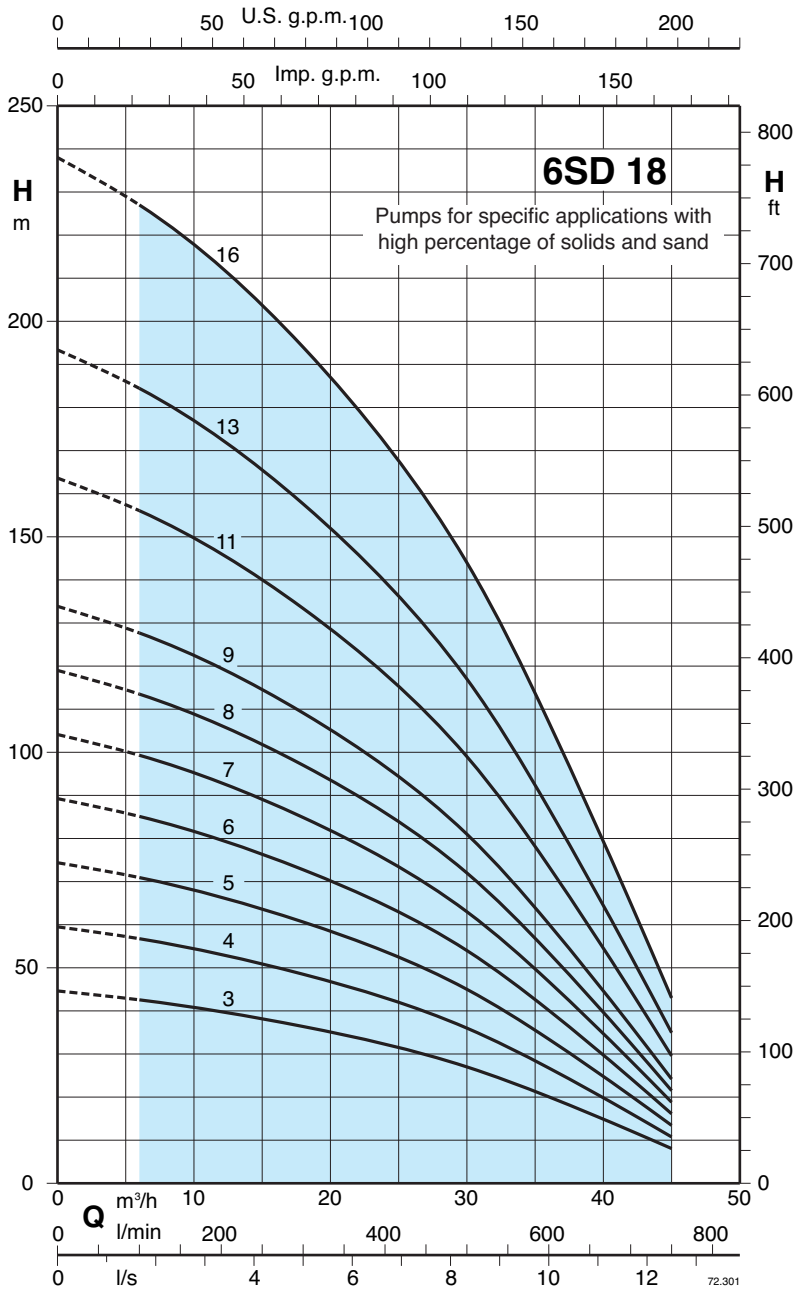
Tolerances according to UNI EN ISO 9906:2012

# 6SD 18

Submersible borehole pumps for 6" wells



## Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



3~	P <sub>2</sub>		Q	n ≈ 2900 rpm													
	kW	HP		H													
			l/min	6	12	18	24	30	36	42	45						
6SD 18/3	4	5,5	42	39	36	32	27	20	12	8							
6SD 18/4	5,5	7,5	56	53	48	43	36	27	16	11							
6SD 18/5	7,5	10	70	66	60	53	45	34	21	13							
6SD 18/6	9,2	12,5	85	79	72	64	54	40	25	16							
6SD 18/7	9,2	12,5	100	93	84	75	63	46	28	19							
6SD 18/8	11	15	113	105	96	86	72	54	32	21							
6SD 18/9	13 (15)	17,5 (20)	127	119	108	96	81	60	37	24							
6SD 18/11	15	20	156	145	132	118	99	74	45	30							
6SD 18/13	18,5	25	184	172	157	139	117	87	52	35							
6SD 18/16	22	30	227	213	194	172	144	107	65	43							

DN	f	
	mm	kg
G 3 ISO 228	647	20,5
	756	23
	865	25
	974	27
	1083	29,5
	1192	32
	1301	34,5
	1519	39,5
	1737	43
2064	50,2	

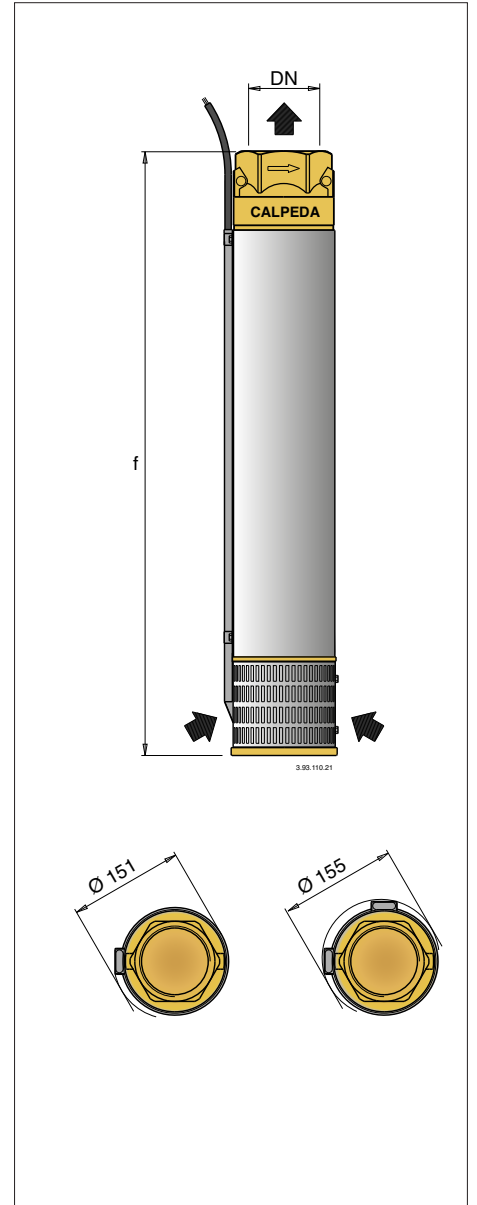
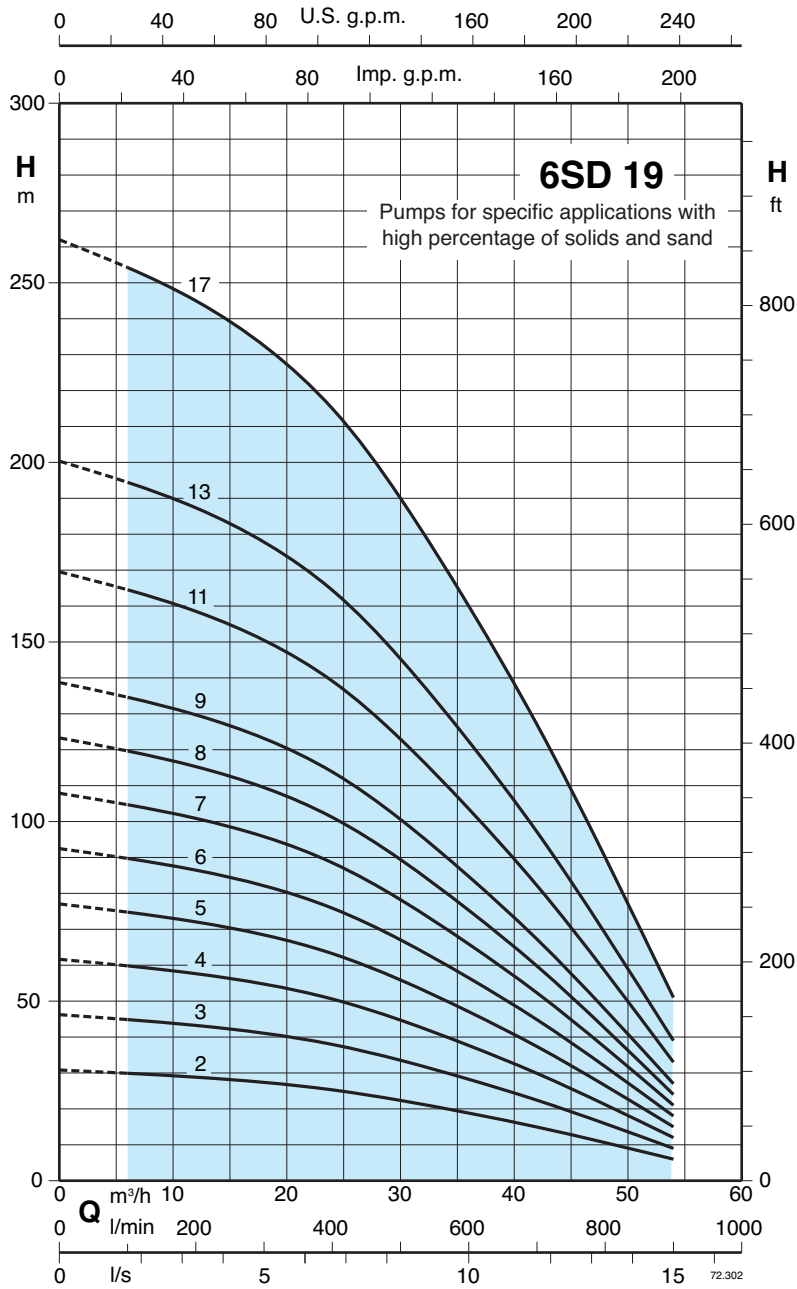
P<sub>2</sub> Rated motor power output

(...) FK motor rated power output

H Total head in m

Tolerances according to UNI EN ISO 9906:2012

### Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



3~	P <sub>2</sub>		Q	n ≈ 2900 rpm											
				m³/h											
	kW	HP	l/min	6	12	18	24	30	36	42	48	54			
6SD 19/2	4	5,5	H m	30	29	27	25	22	19	15	10	6			
6SD 19/3	5,5	7,5		45	43	41	38	33	29	23	15	9			
6SD 19/4	7,5	10		60	57	55	50	45	38	30	21	12			
6SD 19/5	9,2	12,5		75	72	69	63	56	47	38	26	15			
6SD 19/6	11	15		90	86	82	75	67	56	45	31	18			
6SD 19/7	13 (15)	17,5 (20)		105	100	96	88	79	66	53	37	21			
6SD 19/8	15	20		120	115	110	101	89	75	60	42	24			
6SD 19/9	15	20		135	130	123	114	100	85	68	47	27			
6SD 19/11	18,5	25		165	158	151	139	123	104	83	58	33			
6SD 19/13	22	30		195	188	179	164	145	122	98	69	39			
6SD 19/17	30	40		255	245	234	215	190	160	127	90	51			

DN	f	kg
	mm	
G 3 ISO 228	538	18
	647	20,5
	756	23
	865	25
	974	27
	1083	29,5
	1192	32
	1301	34,5
	1519	39,5
	1737	43
2173	53	

P<sub>2</sub> Rated motor power output

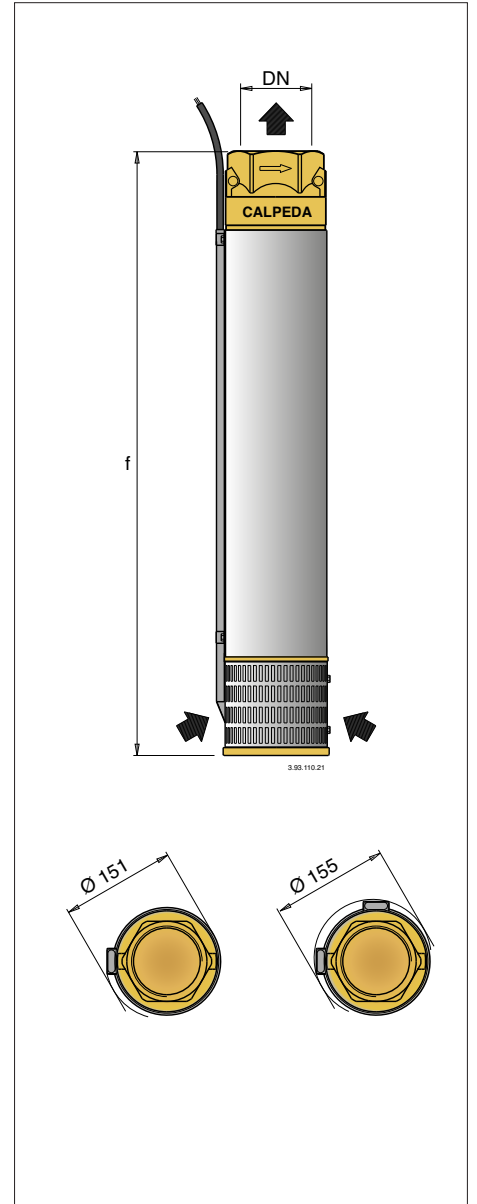
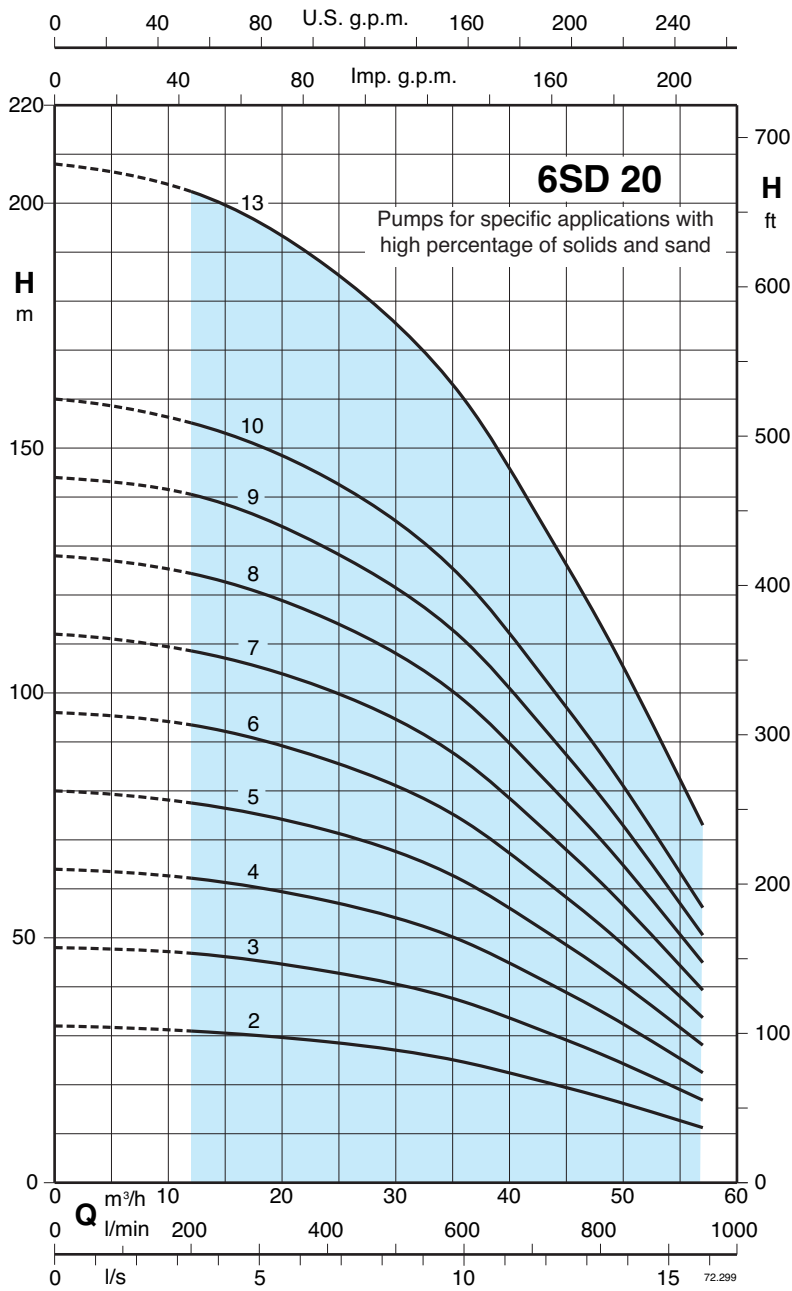
(...) FK motor rated power output

H Total head in m

Tolerances according to UNI EN ISO 9906:2012



**Characteristic curves, performance  $n \approx 2900$  rpm, dimensions and weights**



3~	P <sub>2</sub>		Q	n ≈ 2900 rpm											
	kW	HP	m³/h	12	18	24	30	36	42	48	54	57			
6SD 20/2	5,5	7,5	31	30	29	28	24	21	17	13	11				
6SD 20/3	7,5	10	46	45	44	42	37	32	26	20	17				
6SD 20/4	9,2	12,5	62	60	58	55	49	42	35	26	22				
6SD 20/5	11	15	77	76	73	68	61	53	44	33	28				
6SD 20/6	13 (15)	17,5 (20)	93	91	87	83	73	63	53	40	34				
6SD 20/7	15	20	108	106	102	96	86	74	61	47	39				
6SD 20/8	18,5	25	124	120	115	110	99	85	70	53	45				
6SD 20/9	18,5	25	140	136	130	124	111	96	79	60	51				
6SD 20/10	22	30	155	151	144	138	123	106	88	67	56				
6SD 20/13	30	40	202	196	188	179	160	138	114	87	73				

DN	f	
	mm	kg
G 3 ISO 228	538	18
	647	20,5
	756	23
	865	25
	974	27
	1083	29,5
	1192	32
	1301	34,5
	1410	36,2
1737	44,4	

P<sub>2</sub> Rated motor power output

(...) FK motor rated power output

H Total head in m

Tolerances according to UNI EN ISO 9906:2012