

# 3" Borehole Pumps **Submersible**



## WPS & WPS CP submersible pumps

### Applications

Domestic applications, irrigation.  
Pressurisation, water transfer,  
suitable for wells 3" and above.

### Materials

The pump is made entirely of stainless steel and equipped with special bearings resisting to the high speed performances.  
3" stainless steel high speed submersible guaranteeing a constant pressure supply.  
Excellent resistance to wear.

### Motor

#### WPS

Motor rating up to 1.5 kW, 140 Hz.  
Single-phase supply.  
Overvoltage & undervoltage.

#### WPS CP

High speed, maximum 8.200 rpm.  
Discharge Rp 1 1/4".  
Very easy to install.  
Motor developed to run at high speed (140 Hz).  
Constant pressure due to variable speed.  
Protection against dry running.  
Soft start and stop.  
Single-phase supply to the controller.  
Protection against over and under voltage.  
Two set pressures possible.

### Equipment

#### WPS

Overload protection.  
Internal surge arrester.  
Incorporated Jam free check valve.  
Capacitor box.  
Heat shrink joint kit.

**WPS CP** sold as a kit consisting of: the high speed pump with motor, electrical cable, control panel with frequency drive, pressure vessel of 8 lt., manometer and a valve.

### Limitations

Maximum liquid temperature: 40 °C.

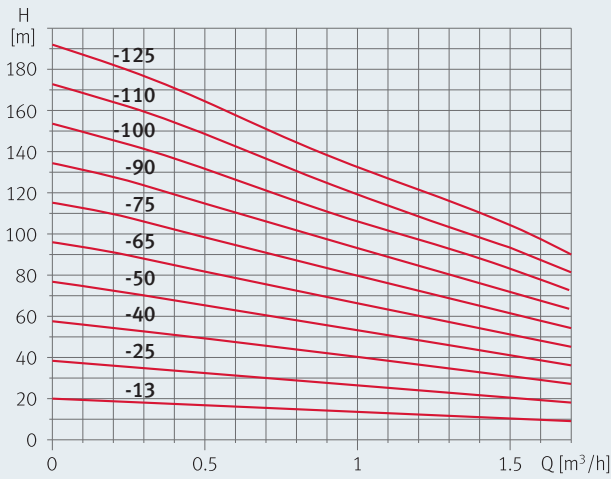
### Accessories

Cooling Shrouds.  
Filters (3" WPS CP only, when the cable length exceeds more than 120 m.)

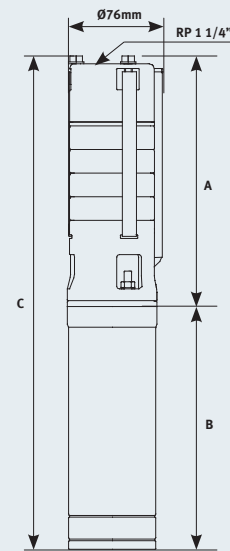


3" WPS® 1, 3" WPS® CP 1

### Performance curves



### Dimensions

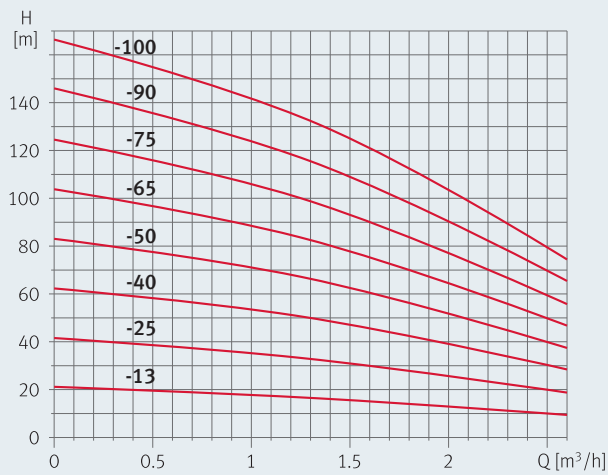


### Technical data

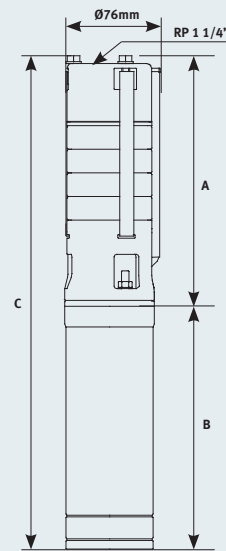
Pump Type	Num. of stages	Max. Pump Power P2 [kW]	Pump data [mm]			Weight [kg]	Kit		Flow [m³/h]				Max. Head [m] at 0 [m³/h]	Full load current	
			A	B	C		[cm]	[kg]	0,5	1	1,5	2		Motor	Supply
3" WPS® 1-13	1	0,15	160	615	775	7,5	65 x 32 x 22	11,2	17	13	10	6	20	1,9	3,4
3" WPS®-CP 1-13			210	370	5,1	3,3									
3" WPS® 1-25	2	0,29	180	615	795	7,7	65 x 32 x 22	10,4	33	26	21	12	39	2,3	3,9
3" WPS®-CP 1-25			210	390	5,3	3,8									
3" WPS® 1-40	3	0,44	200	615	815	7,9	65 x 32 x 22	11,6	50	40	31	18	59	2,7	4,8
3" WPS®-CP 1-40			210	410	5,5	4,7									
3" WPS® 1-50	4	0,58	220	615	835	8,1	65 x 32 x 22	11,8	66	53	42	24	78	3,1	5,6
3" WPS®-CP 1-50			210	430	5,7	5,4									
3" WPS® 1-65	5	0,73	240	645	885	9,0	65 x 32 x 22	12,7	83	66	52	30	98	4,1	7,2
3" WPS®-CP 1-65			240	480	6,6	7,1									
3" WPS® 1-75	6	0,87	260	645	905	9,2	65 x 32 x 22	12,9	100	79	62	36	117	4,6	8,0
3" WPS®-CP 1-75			240	500	6,8	8,0									
3" WPS® 1-90	7	1,02	280	815	1095	10,0	65 x 32 x 22	13,7	116	92	73	42	137	6,1	10,5
3" WPS®-CP 1-90			270	550	7,6	10,6									
3" WPS® 1-100	8	1,16	300	815	1115	10,2	65 x 32 x 22	13,9	133	106	83	48	156	6,5	11,2
3" WPS®-CP 1-100			270	570	7,8	11,3									
3" WPS® 1-110	9	1,31	320	815	1135	10,4	65 x 32 x 22	14,1	149	119	94	54	176	6,9	11,9
3" WPS®-CP 1-110			270	590	8,0	12,0									
3" WPS® 1-125	10	1,45	340	815	1155	10,6	65 x 32 x 22	14,3	166	132	104	60	195	7,2	12,5
3" WPS®-CP 1-125			270	610	8,2	12,5									

3" WPS® 2, 3" WPS® CP 2

### Performance curves



### Dimensions

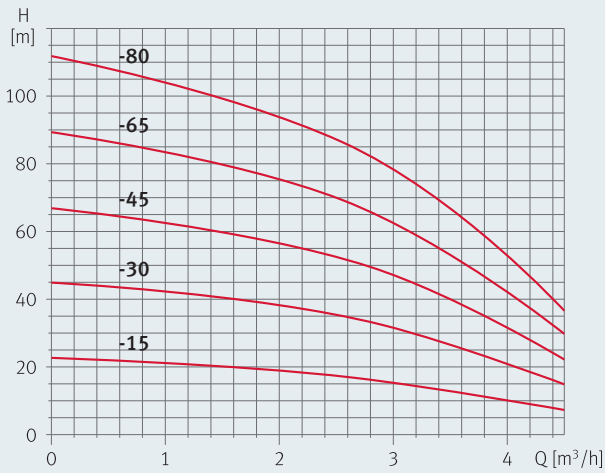


### Technical data

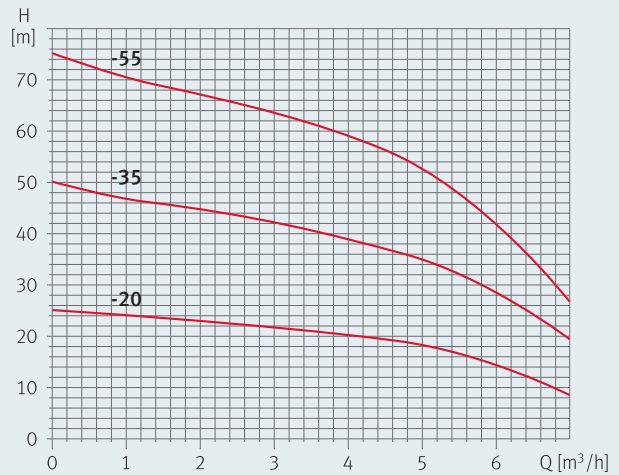
Pump Type	Num. of stages	Max. Pump Power P2 [kW]	Pump data [mm]			Weight [kg]	Kit		Flow [m³/h]					Max. Head [m] at 0 [m³/h]	Full load current	
			A	B	C		[cm]	[kg]	0,5	1	1,5	2	2,5		Motor	Supply
3" WPS® 2-13	1	0,19	160	615	775	7,5	65 x 32 x 22	11,2	20	18	16	13	10	21	2,0	3,6
3" WPS®-CP 2-13				210	370	5,1										
3" WPS® 2-25	2	0,37	180	615	795	7,7	65 x 32 x 22	10,4	39	36	31	26	20	42	2,5	4,5
3" WPS®-CP 2-25				210	390	5,3										
3" WPS® 2-40	3	0,56	200	615	815	7,9	65 x 32 x 22	11,6	59	53	47	39	30	62	3,1	5,5
3" WPS®-CP 2-40				210	410	5,5										
3" WPS® 2-50	4	0,74	220	645	865	8,9	65 x 32 x 22	12,6	78	71	62	52	40	83	4,1	7,0
3" WPS®-CP 2-50				240	460	6,5										
3" WPS® 2-65	5	0,90	240	645	885	9,1	65 x 32 x 22	12,8	98	89	78	65	50	104	4,7	8,2
3" WPS®-CP 2-65				240	480	6,7										
3" WPS® 2-75	6	1,11	260	815	1075	10,0	65 x 32 x 22	13,7	117	107	93	78	60	125	6,1	10,5
3" WPS®-CP 2-75				270	530	7,6										
3" WPS® 2-90	7	1,29	280	815	1095	10,2	65 x 32 x 22	13,9	137	124	109	91	70	145	6,8	11,7
3" WPS®-CP 2-90				270	550	7,8										
3" WPS® 2-100	8	1,48	300	815	1115	10,4	65 x 32 x 22	14,1	156	142	124	104	80	166	7,2	12,5
3" WPS®-CP 2-100				270	570	8,0										

## 3" WPS® 3, 3" WPS® CP 3

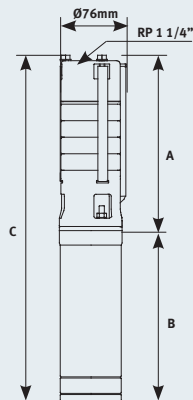
### Performance curves



## 3" WPS® 5, 3" WPS® CP 5



### Dimensions



### Technical data

Pump Type	Num. of stages	Max. Pump Power P2 [kW]	Pump data [mm]			Weight [kg]	Kit		Flow [m³/h]						Max. Head [m] at 0 [m³/h]	Full load current	
			A	B	C		[cm]	[kg]	1	2	2,5	3	3,5	4		Motor	Supply
3" WPS® 3-15	1	0,29	160	615	775	7,5	65 x 32 x 22	11,2	21	19	17	16	13	10	22	2,8	4,9
3" WPS®-CP 3-15				210	370												
3" WPS® 3-30	2	0,58	180	615	895	6,8	65 x 32 x 22	10,4	42	37	34	31	26	21	45	3,1	5,4
3" WPS®-CP 3-30				210	390												
3" WPS® 3-45	3	0,87	200	645	845	8,7	65 x 32 x 22	12,4	62	56	52	47	40	31	67	4,6	8,0
3" WPS®-CP 3-45				240	440												
3" WPS® 3-65	4	1,16	220	815	1035	9,7	65 x 32 x 22	13,4	83	74	69	62	53	42	90	6,3	10,9
3" WPS®-CP 3-65				270	490												
3" WPS® 3-80	5	1,45	240	815	1055	9,9	65 x 32 x 22	13,6	104	93	86	78	66	52	112	7,1	12,3
3" WPS®-CP 3-80				270	510												

Pump Type	Num. of stages	Max. Pump Power P2 [kW]	Pump data [mm]			Weight [kg]	Kit		Flow [m³/h]						Max. Head [m] at 0 [m³/h]	Full load current	
			A	B	C		[cm]	[kg]	1	2	3	4	5	6		Motor	Supply
3" WPS® 5-20	1	0,45	160	615	775	7,5	65 x 32 x 22	11,2	24	23	21	21	18	15	25	3,2	5,6
3" WPS®-CP 5-20				210	370												
3" WPS® 5-35	2	0,90	180	645	825	8,5	65 x 32 x 22	12,2	47	44	42	39	35	29	50	4,7	8,2
3" WPS®-CP 5-35				240	420												
3" WPS® 5-55	3	1,35	200	815	1015	9,5	65 x 32 x 22	13,2	70	67	64	59	53	42	75	7,2	12,5
3" WPS®-CP 5-55				270	470												