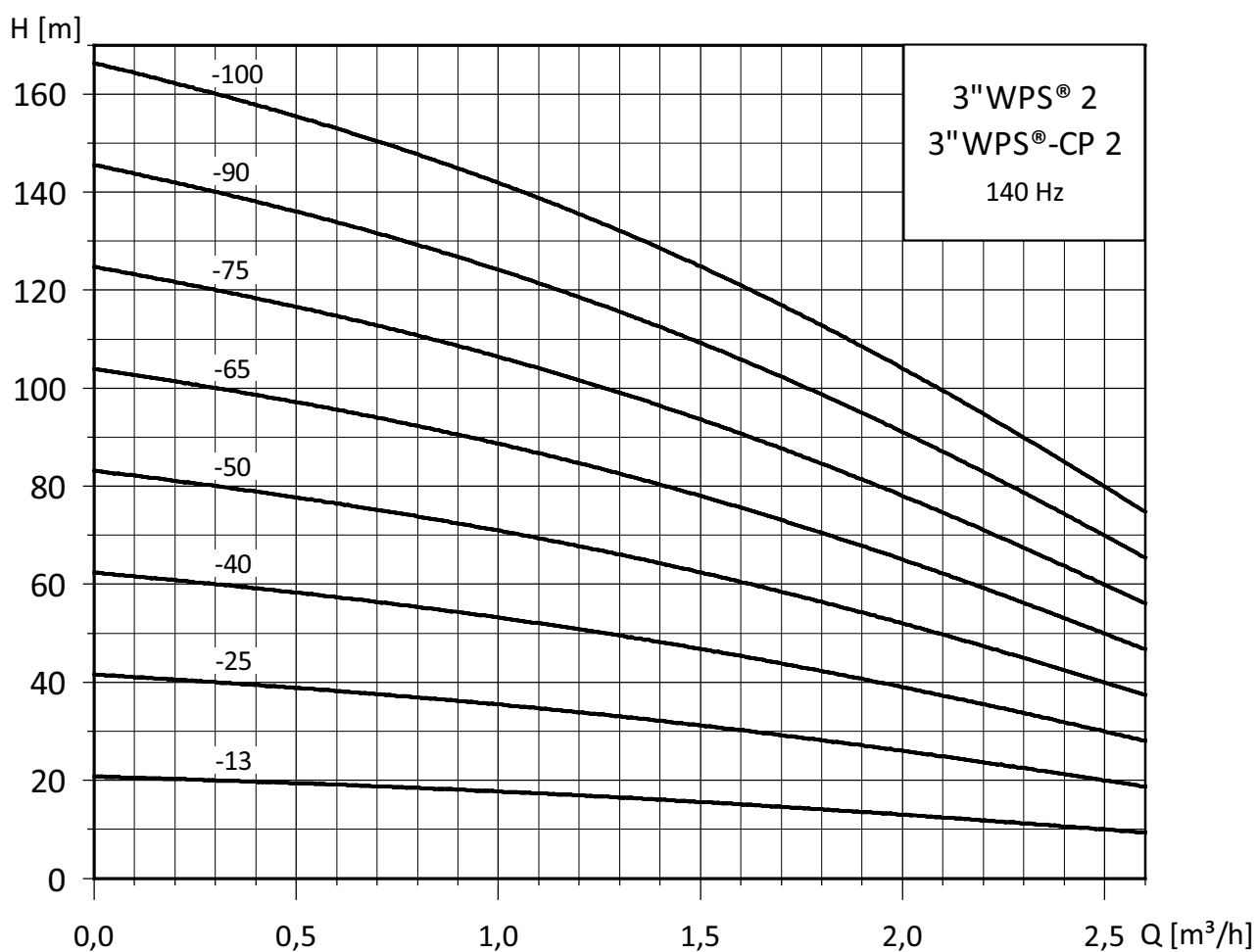




Performance Curves

Performance Curves 3"WPS®-CP 2, 3"WPS® 2

3"WPS®





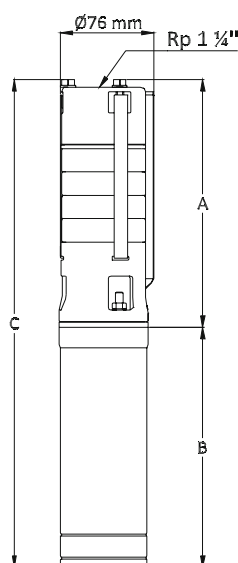
Technical Data

Selection Chart 3"WPS® 2, 3"WPS®-CP 2

Pump Type	Max. Pump Power [kW]	Flow [m³/h]					Max. Head [m] at 0 m³/h	Full load current	
		0,5	1	1,5	2	2,5		Motor [A]	Supply [A]
3"WPS® 2-13	0,19	20	18	16	13	10	21	2,0	3,6
3"WPS®-CP 2-13									3,5
3"WPS® 2-25	0,37	39	36	31	26	20	42	2,5	4,5
3"WPS®-CP 2-25									4,4
3"WPS® 2-40	0,56	59	53	47	39	30	62	3,1	5,5
3"WPS®-CP 2-40									5,4
3"WPS® 2-50	0,74	78	71	62	52	40	83	4,1	7,0
3"WPS®-CP 2-50									7,1
3"WPS® 2-65	0,90	98	89	78	65	50	104	4,7	8,2
3"WPS®-CP 2-65									8,2
3"WPS® 2-75	1,11	117	107	93	78	60	125	6,1	10,5
3"WPS®-CP 2-75									10,6
3"WPS® 2-90	1,29	137	124	109	91	70	145	6,8	11,7
3"WPS®-CP 2-90									11,8
3"WPS® 2-100	1,48	156	142	124	104	80	166	7,2	12,5
3"WPS®-CP 2-100									12,5

3"WPS®

Dimensions and Weights 3"WPS® 2, 3"WPS®-CP 2



Pump Type	Num. of stages	Max Pump Power P ₂ [kW]	Pump data			Weight [kg]	Kit	
			A [mm]	B [mm]	C [mm]		Dim. [cm]	Weight [kg]
3"WPS® 2-13	1	0,19	160	615	775	7,5		
3"WPS®-CP 2-13				210	370	5,1	65x32x22	11,2
3"WPS® 2-25	2	0,37	180	615	795	7,7		
3"WPS®-CP 2-25				210	390	5,3	65x32x22	10,4
3"WPS® 2-40	3	0,56	200	615	815	7,9		
3"WPS®-CP 2-40				210	410	5,5	65x32x22	11,6
3"WPS® 2-50	4	0,74	220	645	865	8,9		
3"WPS®-CP 2-50				240	460	6,5	65x32x22	12,6
3"WPS® 2-65	5	0,90	240	645	885	9,1		
3"WPS®-CP 2-65				240	480	6,7	65x32x22	12,8
3"WPS® 2-75	6	1,11	260	815	1075	10,0		
3"WPS®-CP 2-75				270	530	7,6	65x32x22	13,7
3"WPS® 2-90	7	1,29	280	815	1095	10,2		
3"WPS®-CP 2-90				270	550	7,8	65x32x22	13,9
3"WPS® 2-100	8	1,48	300	815	1115	10,4		
3"WPS®-CP 2-100				270	570	8	65x32x22	14,1



General Data

Overtemperature protection

The electronic unit of the 3"WPS® and 3"WPS®-CP controller has a built-in temperature sensor. The 3"WPS®-CP controller will cut out the pump when the temperature of the fluid rises over its limit of 55°C. The error code 'Inverter Error' will be mentioned on the display of the 3"WPS®-CP controller. When the temperature has dropped to 45°C, the motor is automatically restarted. The 3"WPS® motor will reduce the speed as soon as the internal temperature in the motor reaches 80°C. This way the absorbed amps and consequently the dissipated heat of the motor will be reduced. In case that at 60Hz the temperature is still not reduced, the pump will shut off and restart automatically after one hour.

Protection against lightning

A surge arrester is built in the motor of the 3"WPS® pumps and is designed to protect the motor from damaging effects of spikes and transients caused by lightning, electrical motor cycling or any other sudden change in electrical power flow on the supply line.

Reliability

The motors have been constructed with a view to high reliability and have the following features:

- Top quality high speed ball bearings.
- An efficient internal food grade oil circulation in the motor transfers the heat away from the rotor, stator and ball bearings and ensures an optimum operating condition for the motor.

Variable speed (only for 3"WPS®-CP units)

The 3"WPS®-CP controller enables continuously variable speed control within the 5740 and 8200 rpm. The pump can operate in any duty point in the range between the 5740 and 8200 rpm performance curves of the pump. Consequently, the pump performance can be adapted to any specific requirement. On the basis of a required head the speed of the motor is calculated.

Auxiliary contact for Second set-pressure or Remote on/off switch (only for 3"WPS®-CP units)

The 3"WPS®-CP controller is standard equipped with an auxiliary contact that can be activated by changing a specific parameter in the programming of the 3"WPS®-CP controller. The auxiliary contact can be used as a remote on/off switch (f.e. only run the pump when the irrigation is running, extra protection of the pump against dry running in a tank or cistern with a float switch, ...) or to create a second constant pressure level (f.e. higher pressure level when the irrigation system runs, lower pressure level to back-wash a water treatment system, ...)

3"WPS®

Well Pumps S.A. est spécialisée dans la fabrication des pompes immergées de 3" à 8" en acier inoxydable. Tous les composants internes et externes de la pompe sont fabriqués entièrement en inox (plaques d'inox pressées à froid).

- Tous les joints sont fait d'un NBR spécial contenant du caoutchouc afin d'assurer une excellente résistance à l'usure et à l'abrasion provoquées par le sable en suspension dans l'eau du puits.

