



SmartPro

BLDC SWIMMING POOL PUMP



SmartPro

Save your pool energy!



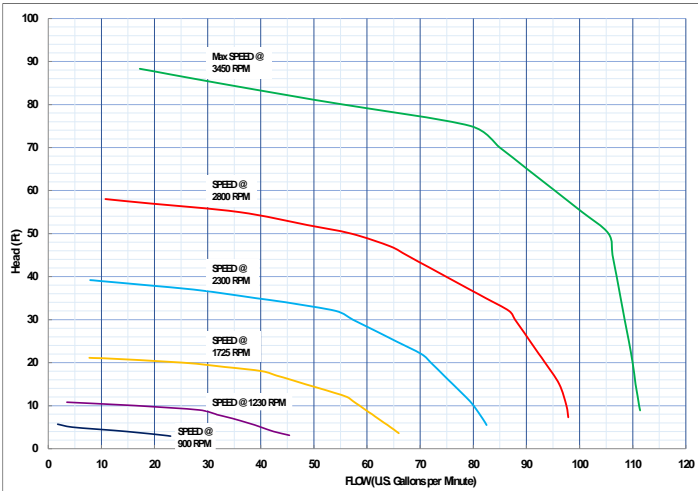
The SmartPro SPB is dedicated for the extra high efficiency and multi-function variable speed in-ground swimming pool pump.

The SmartPro has the permanent magnet total enclosed motor and an integrated driver that has the multi-function with the flexible speed schedule program.

GENERAL FEATURES

- Complied with the US Department of Energy (DOE) standard
- TEFC permanent magnet motor with integrated driver (SF:1.15)
- Variable speed for the program setting as requirement totally 8 program settings.
- The pump can select the speed unit or flow unit for the program setting. The max speed is 3450 RPM or equal to the Flow 420 LPM, 111 GPM or 25.2 m³/h.
- Rotatable control LCD keypad for convenient orientation.
- Intuitively interface to display the pump information and the error code. The LED will light on with the different pump status. The driver builds in the thermal sensor for the pump freeze protection operation.
- The programmable priming function can easily start up for the initial installation.
- Fast key “Quick Clean” for the routine cleaning system
- Modbus for the external control and communication system.
- I/O: AIX3, DIX3, DO X2

PERFORMANCE CURVE



CYCLE TIMES FOR THE POOL SIZE

Pool size (m³)	Expect time spent for the full cycle for the each pool size (hrs)			
	Low Speed (1230 RPM)	Half Speed (1725 RPM)	Efficiency Speed (2300 RPM)	Max Speed (3450 RPM)
10	1	0.7	0.6	0.4
20	2	1.4	1.1	0.8
30	3	2	1.6	1.2
40	4	2.7	2.1	1.6
50	5	3.3	2.7	2
60	6	4	3.2	2.4
70	7	4.6	3.7	2.8
80	8	5.3	4.2	3.2
90	9	5.9	4.8	3.5

- Pool Operation Status: Suggestion Speed for the operation status
- Pool Filtration system: Lowest Speed 900RPM
- Pump Quick self-clean: Max Speed range 1726 ~ 3450 RPM
- Pool sand filter cylinder backwash: Max Speed range 1726 ~ 3450 RPM
- Pool Cleaning: Max Speed range 1726 ~ 3450 RPM

DIMENSION

