

MAXIM VS – VARIABLE SPEED PUMPS



The Maxim VS pump is an advanced solution for commercial pools, offering variable speeds and automatic control for optimal performance. It's the ideal choice for large pools in hotels, campsites, sports clubs, public pools, and spas. Equipped with Full Inverter technology, this pump maximizes energy savings, ensuring both efficiency and sustainability.

	Code	Standard Pack	Standard weight in kg	Standard volume in m3
Maxim VS 350	73773	1	35	0,209
Maxim VS 450	73774	1	37	0,209
Maxim VS 550	73775	1	43	0,209

Key Benefits

- Exceptional energy savings
- Enhanced comfort
- Optimized filtration quality

Designed for both new installations and as a replacement for existing pumps, the Maxim VS pump allows for significant power savings through variable speeds.

User-Friendly Design

The pump features a built-in HMI controller, which can be wall-mounted for enhanced usability. The reduced noise level enhances the overall well-being of bathers.

Main Specifications

- Variable speed pumps
- Suitable for small to medium commercial pools in the hospitality segment
- Available in 3.5HP to 5.5HP ranges
- Compatible with swimming pool water, including saline water up to 6 g/L
- CE certified and compliant with all EU standards
- Power supply: 3~ - 380-460V & 50 / 60 Hz
- Standard ModBus connectivity
- 3-year warranty

HMI Features

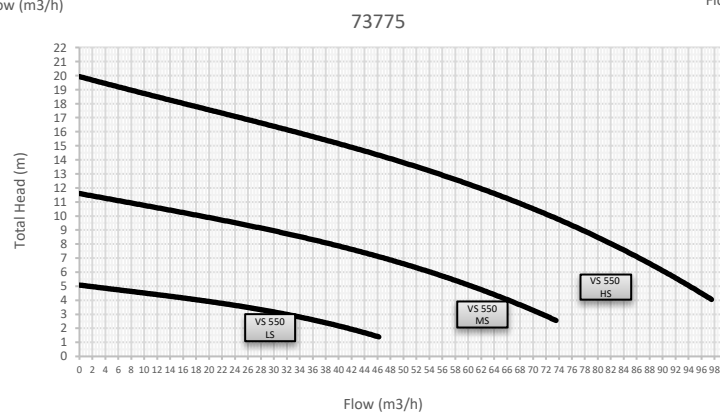
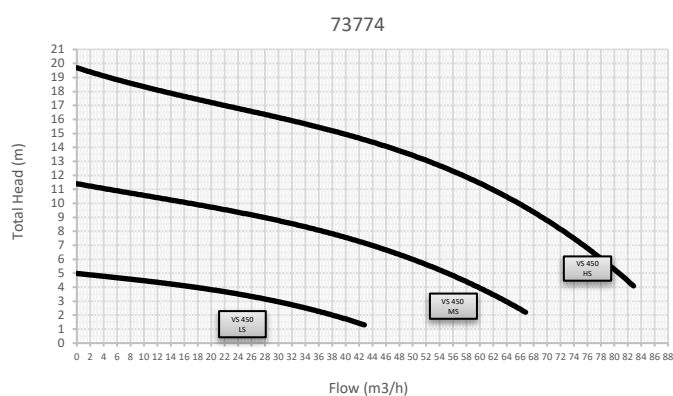
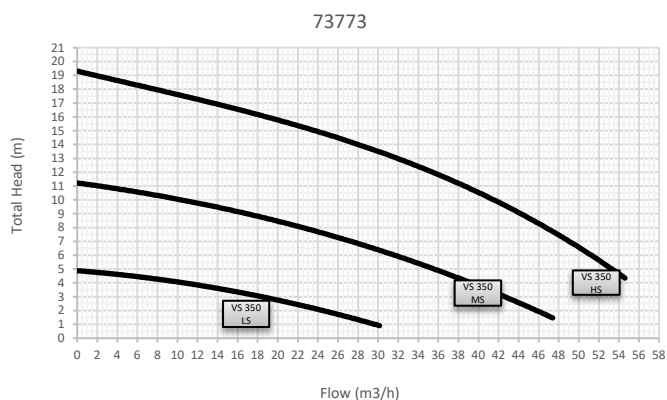
- User-friendly interface
- Dedicated app for control
- Speed variation:
 - Hz by Hz: Adjustable from 20Hz to 50Hz via app or VFD buttons
- 3 pre-set speeds (Low/Mid/Hi) selectable via app or VFD buttons
- ON/OFF/MANUAL functions
- Display with mode information

TECHNICAL FEATURES

CODE	MODEL	Voltage	Capacity	Head	Maximum Head	Max. Capacity at Head= 4m	Motor Rated Output	Maximum Abs. Power	Pipe Size
		U_N	Q_N	H_N	H_{MAX}	Q_{MAX}	P_{2N}	P_{1MAX}	ϕ
		V	m	m	m	m	kW	kW	mm
73773	VS 350	380 - 460	41,6	10,0	19,3	54,6	2,6	3,1	90,0
73774	VS 450	380 - 460	65,6	10,0	19,7	83,0	3,4	4,4	90,0
73775	VS 550	380 - 460	72,2	10,0	20,0	98,5	4,0	4,5	90,0
	73773			73774			73775		
	LOW SPEED	MEDIUM SPEED	HIGH SPEED	LOW SPEED	MEDIUM SPEED	HIGH SPEED	LOW SPEED	MEDIUM SPEED	HIGH SPEED
Speed (r.p.m.)	1460	2190	2920	1460	2190	2920	1460	2190	2920
Voltage (V)	380 - 460			380 - 460			380 - 460		
Frequency (Hz)	50 / 60			50 / 60			50 / 60		
Motor Rated Output (kW)	2,6			3,4			4,0		
Max. Abs. Power (P1MAX) (kW)	0,4	1,4	2,9	0,6	1,9	4,2	0,6	2,0	4,4
Capacity (m3/h)	21,2	33,3	41,6	34,2	52,0	65,6	37,0	56,4	72,2
Differential Head (m)	2,5	5,6	10,0	2,5	5,6	10,0	2,5	5,6	10,0
Max. Working pressure (m)	4,9	11,2	19,3	5,0	11,4	19,7	5,1	11,6	20,0
Noise level (dBA)	55,5	69,1	78,5	56,2	67,6	76,7	57,5	67,5	76,9

PERFORMANCE

MAXIM VS - VARIABLE SPEED PUMPS



VFD VS – VARIABLE FREQUENCY DRIVE



The VFD VS is a stand-alone variable frequency drive designed for commercial pools, enhancing Maxim single speed pumps with variable speed operation. It offers flexible installation options, allowing it to be mounted directly on the pump or on a wall for new or existing installations. This drive delivers significant energy savings, improved comfort, and optimized filtration.

	Code	Standard Pack	Standard weight in kg	Standard volume in m3
VFD VS 2,2	77257	1	-	-
VFD VS 4,0	77258	1	-	-

Key Benefits

- Significant energy savings
- Enhanced bather comfort
- Improved filtration quality

Ideal for small to medium commercial pools, especially in the hospitality sector, the VFD VS provides power savings and flexibility. It's available in 3.5HP and 5.5HP options, CE certified, with ModBus connectivity and a 2-year warranty.

User-Friendly Features

- Intuitive interface with a dedicated app
- Adjustable speeds from 20Hz to 50Hz
- Three pre-set speed options (Low/Mid/Hi)
- ON/OFF/MANUAL functions with mode display

TECHNICAL FEATURES

CODE	MODEL	Voltage	Power	Frequency
		V	kW	Hz
77257	VFD VS 2,2	380 - 460	2,2	50-60
77258	VFD VS 4,0	380 - 460	4,0	50-60