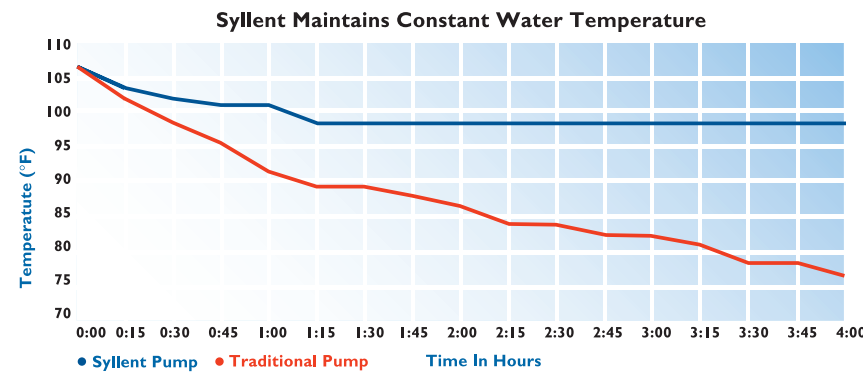
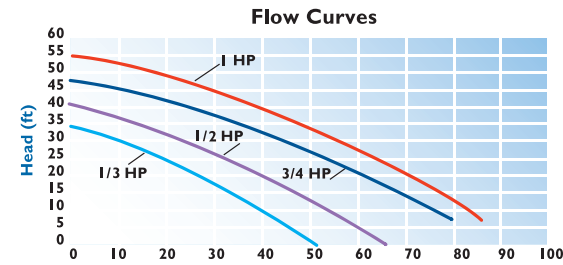
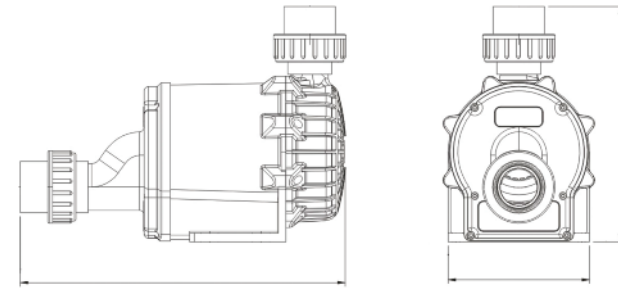


Technical Features and Specifications

- Self-draining, single stage, centrifugal motor pump
- Less than 5 dB(A) ambient noise
- Maintains constant water temperature through heat exchange
- Unprecedented three-way auto-off protection – lack of water, blocked rotor, overheating
- Unique water-cooled design – no need for external ventilation
- Shielded with IP68 protection – total protection from dust or submersion
- Electrically isolated and non-oxidizing
- Synchronized hydro-magnetic rotor/turbine/bearings
- Resin encapsulated wound stator
- Highly energy efficient
- No dynamic seals (mechanical seal type)
- Single phase motor with permanent capacitor (115V or 230V)
- Power cord with internal ground wire and NEMA three-prong plug



U.S. Patent:
10/050,033

HYDRAULIC CHARACTERISTICS*

Model 60 Hz 115V	Model 60 Hz 230V	POWER (HP)	PRESSURE max. (ft)	TOTAL MANOMETRIC HEIGHT (ht)					PIPELINE		WEIGHT (lb)
				15	25	35	45	55	SUCTION	DISCHARGE	
MB63E0030AS	MB63E0031AS	1/3	37.4	55.0	26.0	6.0	—	—	1.9 int (")	1.9 int (")	9.36
MB71E0030AS	MB71E0034AS	1/2	43.0	77.0	38.0	21.0	—	—	1.9 int (")	1.9 int (")	14.00
MB71E0031AS/UL	MB71E0035AS/UL	3/4	48.8	84.0	62.0	43.0	16.0	—	1.9 int (")	1.9 int (")	15.60
MB71E0032AS/UL	MB71E0036AS/UL	1	55.5	—	70.0	54.0	34.0	1.0	1.9 int (")	1.9 int (")	17.60

*Valid at sea level (20°C), 0 suction (ft), friction losses not included.
All models also available in 50Hz.

ELECTRIC CHARACTERISTICS

Model 60 Hz	VOLTAGE (V)	POWER (HP)	CURRENT Average (A)	CONSUMPTION Average (A)	P.F. Average (COS F)
MB63E0030AS	115	1/3	5.4	570	0.99
MB71E0030AS	115	1/2	6	652	0.99
MB71E0031AS/UL	115	3/4	8.8	857	0.99
MB71E0032AS/UL	115	1	9.4	1080	0.99
MB63E0031AS	230	1/3	2.7	570	0.99
MB71E0034AS	230	1/2	3	652	0.99
MB71E0035AS/UL	230	3/4	4.1	857	0.99
MB71E0036AS/UL	230	1	4.9	1080	0.99

The Syllent Story

Syllent is the latest innovative product developed by Eberle Equipment & Processes, the technology and research division of Mundial S.A., a Brazilian company founded in 1896. Built upon Eberle's motor manufacturing tradition, Syllent is the result of applied research and development in the fields of flow analysis, tribology and electronics. This innovative technology is complemented by Mundial world-class manufacturing and engineering; the company's quality management system has been certified ISO 9001:2000-compliant since 1996. Mundial, Inc. is the U.S. distribution arm of Mundial S.A.

Syllent Hydrotherapy

Division of Mundial, Inc., 9 Walpole Park South, Walpole, MA 02081
877 924-PUMP (7867)
www.Syllent.com



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YOU MORE
THAN THE
SYLLENT
TREATMENT

Stronger. Greener. Quieter.
A Whole New World of Benefits.



With its energy-efficiency and ultra-quiet operation, Syllent makes the whirlpool bath experience more relaxing and enjoyable.

- Syllent uniquely combines **high-end performance** with **industry-leading energy efficiency**. The heat energy generated by the pump is released into the water, eliminating the need for a power-consuming cooling fan or supplemental heater.
- Syllent keeps bath water **warmer longer**. Because it keeps pumping heat into the water, Syllent extends the comfort and enjoyment of the whirlpool experience.
- Syllent is **safe and reliable**. Its composite construction provides **triple electrical insulation**; it **cannot leak** because it has no shaft seal; and its internal sensor automatically shuts off the pump in the absence of water.
- Syllent is the **quietest** bath pump on the market. Unlike traditional whirlpool bath pumps, Syllent requires no noisy fan, creating a quieter, more relaxing bathing experience and making it perfect for use in homes, hotels, or any noise-sensitive area.

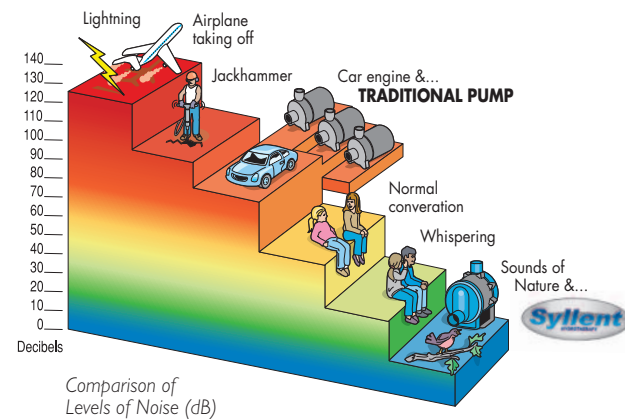
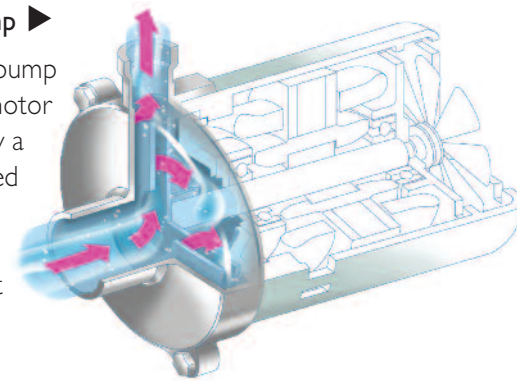
A Tale of Two Pumps

◀ Syllent Pump

In Syllent's revolutionary technology and design, the motor and pump are integrated in a single unit with no motor bearings to wear out, no cooling fan to create noise, and no pump shaft seal to leak. Its design creates a hydro-magnetic bearing, the patented core concept behind the extraordinary performance of Syllent. Only this technology can meet the consumer's need for the highest flow performance coupled with the lowest energy consumption and quietest fluid motion. The result is a more energy-efficient, reliable and quiet system.

▶ Traditional Motor-Pump

The traditional motor-pump combines an electric motor and a pump (isolated by a mechanical seal) attached to a cooling fan. The result is a noisier, less efficient system that will eventually leak.



High-Performance. Energy-Efficient. Whisper-Quiet.
Turns Out You Can Have It All.

Over the past 30 years, little has changed in the fundamental design and operation of whirlpool baths. Today's units are just as noisy and energy-inefficient as earlier models.

The **Syllent Green Heat Energy System** changes everything. The result is a major leap forward in the performance, energy efficiency, reliability and safety of whirlpool baths.

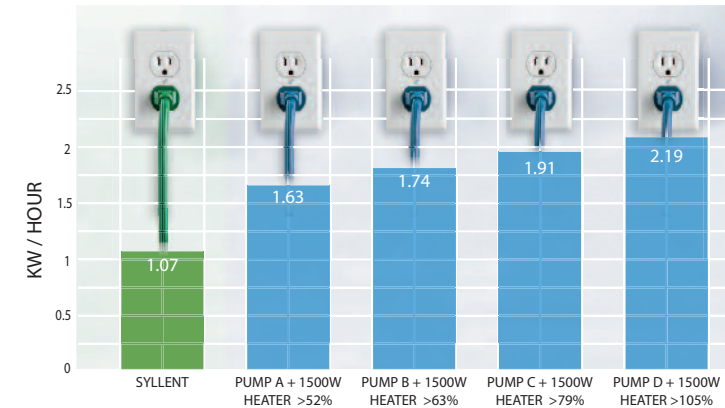
Syllent Generates "Free Heat"

With its revolutionary Green Heat Energy System, Syllent dramatically increases the enjoyment of owning a whirlpool bath while supporting environmental sustainability. Its integrated pump and motor design generates "free heat" as it circulates water, delivering unparalleled warmth and comfort without wasting energy.

A More Satisfying — and Sustainable — Solution

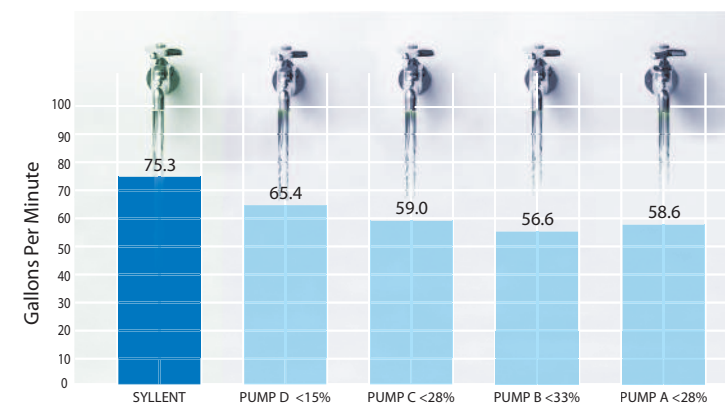
In independent testing, Syllent outperformed traditional motor-pumps, not only creating a more powerful and enjoyable whirlpool experience, but using much less energy. IAPMO-certified tests confirm that Syllent generates more than **15% more water flow** than its closest competitor while **cutting energy consumption by as much as 60%**.

Energy Consumption



up to **60%**
 less energy consumption

Water Flow @ 5psi / 12 ft of Head



15%
 more water flow than the closest competitor



Source: IAPMO - International Association of Plumbing and Mechanical Officials



Stronger. Greener. Quieter.