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Rheem heat pumps for pools

The middle of August is a special daylight saving time when you're finally like this: Ok, sun, we get it. It's great when we go on holiday with long lazy days to waste, but when it comes to the daily grinding of city life in the summer, we just can't cope with the endless heat. Sticky streets, sauna-like subways and sweaty passers-by combine to make these still long but not relaxing days at all, which are much more gloomy. To combat the blues of the late summer heat waves, we became addicted to images that paint a much better (but still blue!) picture: pool photography. Of course, it's nothing like physically diving into a refreshing body in cool water, but we feel looking at these pictures or taking you there, in a sense. Call it visual ASMR, but simply by noting these images on the Save tab on Instagram or setting them as a screen saver, there's a feeling that it's actually not 90 degrees with 80 percent moisture around us. The result is a happier attitude because you realize, Hey, the heat is not so bad! If you're one of the lucky few who have a pool retreat every weekend (or all the time if you really want us to be jealous), consider these shots for inspiration in your pool's gram; whether the places make them iconic, or whether their theme is still so important. . Because if it's good enough, you know we're here adding it to our save tab for the rest of the summer. Pool, location unknown Photo SambaPhoto / Cassio VasconcellosExposition, Heavy Water, James Turrell, 1992, Le Confort Moderne. Jean-Luc TerradillosAmerican photo Pianist and entertainer Liberace poses on deck in his piano-shaped pool in Los Angeles, California, in 1954. Photo Loomis DeanThe indoor/outdoor pool at Raymond Loewy House in Albert Frey, 1946, palm springs, California Photo Peter StackpoleCronulla Beach, New South Wales, Australia Photo James Phillips Photo: depositphotos.comA backyard pool can be a huge asset for your home, swimming, splashing, and epic rounds of Marco Polo with family and friends. But without a proper pump, the ground pool can become a care headache. The pump, installed in a nondescript area in your backyard, circulates chemicals through water while filtering out impurities to keep your pool sparkling clean. With a quality pump, you can spend less time taking care of your pool and more time to enjoy. A good pool pump should have the power to effectively clean the entire volume of your pool several times over a 24-hour period without constant attention. If you change your old model (the life span of the pool pump is from 8 to 12 years) or you buy one to go with a brand new pool, read about the features to consider and find out why the pumps in the pool below are some of the best Photo: depositphotos.comTypes of Pool PumpsWhen shopping pool pool You have three options in your land pool: single speed, double speed and variable speed. Single speed models are the cheapest, but also the least efficient, while double speed and variable speed are pricier in front, but allow you to save energy costs. Single speed pumpSA single-speed pump has only one speed, so the speed at which it pumps water to and from your pool is fixed. You can't increase the speed to improve cleaning power or reduce the speed to make the pump more energy efficient. The single-speed pump is suitable for driving for about eight hours a day, during which it should be able to flip the entire volume of the pool at least once. The double speed pumpsA dual speed pump offers two different power settings, giving you two speed options to circulate water through your pool. This allows you to go with higher speeds when the pool is experiencing heavy use and it requires more filtering or more efficient lower speed when it sees little activity. Double speed pumps are more expensive than single-speed pumps, but offer 50 percent to 70 percent save on energy costs. The variable speed pump pump allows you to fully control your circulation speed, allowing you to make micro adjustments for optimal cleaning or energy efficiency. These pumps include programmable displays that will allow you to change pump speed throughout the day. While these pumps are the most expensive of the three types, the ability to change speed can save 80 percent or more of energy costs in the long run. The variable speed pump can operate 24 hours a day at a speed lower than one speed pump, turning around about twice as much water with the same energy consumption. When purchasing a new pool pump, it is very important to take into account a number of factors, including pool size, horsepower and filter compatibility. Pool SizePool owners must calculate the pump's minimum flow to buy the right size pump pool. The stream uses metric gallons per minute to determine how many times a day the pump can filter the entire contents of the pool. This is called the number of turnover. The pump must be large enough to invert the pool at least once a day, although the preference shall be given twice. To determine how powerful the pump you need, you can use an online pool pump calculator available on some manufacturers and retailers' websites or make calculations yourself. Start by dividing the pool capacity from 24, which will tell you how many gallons per hour you will need to circulate per turnover per day. For example, a pool with 10,000 gallons of water will need to pump about 1,250 gallons per hour to complete one circulation over an eight-hour period. To find the minute rate, divide this number by 60. For the 10,000 gallon pool, should have a flow rate of about 21 gallons per minute to achieve one circulation over an eight-hour cycle. Store Store that if you use a single-speed pump, you can run it for only about eight hours a day to avoid excessive energy consumption. So a single-speed pump in a 10,000 gallon pool will require a flow rate of 42 gallons per minute or about 2,500 gallons per hour if you want to rotate water in your pool twice. MaterialGiven that pool pumps have to operate for eight hours or more each day to perform their duties, they need to be reliable. Most pool pumps have durable motors with built-in fans that support their operation at cool temperatures. The pump housing should consist of high-quality plastic, which can endure harsh chemicals found in both chlorine and saltwater basins. Voltage and horsepowerMost manufacturers do not advertise their pump power in gallons per minute (or hour) because the flow depends on other factors behind the pump itself, such as plumbing fittings, filter, and even pump height compared to the pool. All these elements can create resistance, which reduces the flow of the pump; this is called head resistance. Most pools have an average head resistance of about 40 feet. A 1 horsepower pool pump capable of moving 100 gallons per minute will be able to move only about half that with 40 feet of head resistance. With this in mind, a 0.5 horsepower pump with 40-foot head resistance is suitable for small pools up to 11,000 gallons. A 1-horsepower pump with the same resistance will operate in swimming pools up to 26,000 gallons, while a 1.5 horsepower pump is suitable for large pools up to 30,000 gallons. A massive 2-horsepower pump can clear pools up to 46,000 gallons. If you have a system with a pump more than 40 feet from the pool or more than a few feet below the pool, your pool will most likely have greater head resistance. In this case, it makes sense to hire a professional to help you calculate the size of the pump your pool needs. Pool pumps use either 115 volts or 230 volt power supplies with most pumps under 2 horsepower available for use either. Most household appliances use a 115 volt power supply, while larger appliances, such as electric stoves and clothes dryers, require 230 volts of power supplies. Make sure to check what energy needs the pump you want to purchase. Turning off an old pump, wired power of 115 volts with a pump that uses 230 volts of power, or vice versa, is more difficult than installing a new pump that uses the same power source as the old one. Plug-In vs Hard-WiredSome pool pumps can connect to standard 115 volt sockets, but most are difficult to their home power system. Note that if you are using a pool pump accessory, the container you are using must be protected from GFCI to avoid Shock. If it is 10 feet away from the pool, it should also be a twist-lock-style plug so that it is not yanked, revealing the socket socket possible splashes. Filter compatibilityThere are three types of filters for the ground pool: sand, cartridge and DE (diatomical land). While most pumps will work with all types of filters, check the compatibility before buying the pump. Each filter also has the maximum flow by type and size of the filter. Never operate the pump at a higher speed than the maximum filter flow or may damage the filter. Energy EfficiencyPool pumps vary greatly from an energy efficiency perspective. While a single speed pump will be cheaper to buy, variable speed pumps will eventually pay for themselves for energy savings. The variable speed pump is programmed, so you can set it to run slower, more efficiently during downtime when the pool is not in use, and cleaning is not required. While it may be tempting to buy a 1.5 horsepower pump that goes well above and beyond what your pool requires, you'll pay more energy costs than you would with a smaller pump better suited to your pool size. Noise LevelA noisy pump can be annoying when you try to relax by the pool. Pool pumps run between 65 and 90 decibels, which is the difference between two people chatting and a hairdryer. Most newer pumps incorporate designs to silently operate at the low end of this range. Pumps with fully closed motors offer the calmest performance, and decibel levels in the 40's - about the same noise level as the refrigerator. CareMaintaining your pool pump is part of regular pool maintenance. As the pump draws into the water, the bag filters the hair, fluff, and other debris that the pool skimmer misses. This filter needs to be cleaned regularly, although some pumps include large bags that lengthen the time between cleaning. You will also need to clean the pump basket after pumping the pool. The pump needs air circulation to prevent the engine from overheating, so never cover the pump or plant trees or shrubs next to it. If the pump engine has air inlets, make sure they are free of any debris. During the offseason, when the pump is turned off, cover the pump and engine to avoid the wreckage of the building on it. Our Top PicksJust forward is a pool of pumps from the most respected manufacturers in the residential pool industry, all considered among the best available. The withdrawals were made taking into account all the factors described above. Photo: amazon.com If you want a pool pump on which you can depend, consider the high quality design and features of this Hayward model. Its 1.5 horsepower engine is powerful enough to control large pools, and thanks to a design that allows air to flow through the engine, it operates at cooler temperatures, prolonging the life of the pump. Large 110 cubic inch garbage basket store a large amount of debris for this pump without damaging its suction power. Transparent cap allows you to evaluate the basket without removing it without removing and the handles make it easy to remove the cover without tools. This pump is available as a single-speed or more efficient double speed model and works with 115 and 230 volt power sources. Photo: amazon.com This affordable SuperFlo pump is a robust one-speed option. It has a 1.5 horsepower engine at a significantly lower price than similarly equipped pumps. With its quality double-breasted construction and shaped parts, this pump should work well for many years. A large tension bag means that you don't need to clean the pump so often, and the transparent lid allows you to assess when it's time to clean without turning off the pump to open the lid. The engine uses an internal flow system that muffles engine noise, allowing it to operate quieter than other pumps. The built-in fan keeps the engine cool, taking off the life of this pump. Photo: amazon.com With simple installation and 1 horsepower engine, this Hayward model is considered one of the best single-speed pool pumps you can buy. This small powerhouse can pump 70 gallons per minute with 40 feet of head resistance, or about 4,200 gallons per hour. It's enough to turnover even larger pools several times in a short period of time, so it can operate for shorter periods each day, saving money. With their quiet design, swimmers can never notice that they are doing their job. This pump, which operates from a 115 volt or 230 volt power supply, has a smaller filter basket than some others on the market, so you may need to clean it more often. Photo: amazon.com XtremepowerUS offers multi-speed pump efficiency in addition to the high purchase price of the variable speed model. This pump runs at low speed or high speed, allowing you to save up to 70 percent per single speed pump. It has a powerful 2-horsepower engine capable of controlling large pools with a flow rate of up to 5,280 gallons per hour. The air-ventilated engine keeps this pump quiet. Easy-to-install electrical connections allow you to swap an old device with this relatively simple DIY task. The pump also has an easily accessible tensioner that can be removed and reinstalled at a simple quarter turn. A large garbage basket means longer periods between pump cleaning, and the tensioner lid is transparent, so you can see how much garbage has been collected before opening. This requires a 230-volt power supply and 2-inch fittings. Photo: amazon.com While you can pay significantly more in advance for this variable speed pool pump, you'll see that money is pumped back into you for energy savings. This Hayward model uses an efficient magnet-covered, fan-cooled engine. It has programmable digital control that allows you to optimize speed settings different times of the day, allowing energy savings when the pool is not used. Speeds range from 153 watts at 1,750 s/min. up to 880 watts at a full speed of 3450 revolutions per minute. It is also compatible with automation systems Hayward, Pentair and Zodiac, which allow it to operate independently. Properly set this pump can save up to 80 percent of operating costs. This pump raises 1.65 horsepower, making it powerful enough to control large pools, and its hydraulic design allows for quieter operation than similar-sized pumps. It has both 1.5-inch and 2-inch fittings, which requires a 230-volt power supply. Photo: amazon.com saltwater pumps must be heavy to endure the corrosive nature of salt. This Pentair model is characterized by a high-quality plastic construction that resists the corrosion of salt or chlorine. It also has a digital display that allows you to program different speeds throughout the day. You can increase the speed better filtered when the pool is used, then program the pump to reduce the speed in periods when the pool is inactive. This feature can save up to 80 percent of operating costs through standard single-speed pumps. This pump also includes an extremely quiet engine, and since it will work with either 115 or 230 volts of power, you don't have to worry about rewinding the installation. Photo: amazon.com If a noisy pump degraded the pleasure of your pool time, the aptly named WhisperFlo could be your solution. Its streamlined design works quietly without losing power, because the 1 horsepower engine can serve large pools, but still small enough to save energy. This pump has a 2-inch intake valve and a 1.5-inch drain valve, giving it a maximum flow rate of about 44 gallons per minute. It uses funnelFlo diffuser and a calm impeller to move the water with minimal sound. Other features include a large skimmer basket that prolongs the time between cleaning and transparent lid, so you can tell when it is full at first glance. This pump requires a power supply of 115 volts or 230 volts. Photo: amazon.com this energy-efficient model price tag from Hayward can be cool, but if you think the big picture you might see its value. Hayward's TriStar Variable Speed 1.85 horsepower pool pump can save up to 90 percent of energy costs compared to other pumps when properly programmed. In addition, the Energy Star rating may be for you for energy discounts. It has a programmable interface that allows you to view variable speed, so it only works when you need it. The closed engine also makes it a very quiet pump. In addition to working efficiently, this model also includes a large skimmer basket for a rare cleaning. FAQs about your new pool pumpIf you are worried about gurgling noise from your pump or want to know how to prime pump, answers to these and other common pool pump questions.Q. Why do my pool pump is full of water? You may need to prime the pump if it is not full of water. Priming is air from the pump and its suction line so that water can flow through it. Most pumps are self-priming; however, if your pump does not fill the water, you will need to prime the pump manually to fill it with water (see below). If your pump does not contain water, it may mean that the water level in the pool is too low, so the pump can not draw water.Q. How do you main pool pump? Priming pool pump is a fairly simple process:Start turning the multiporto valve onto the pool filter to recirculate. Remove all plugs to the return nozzles or skimmer. Open the pump cover and fill the pump with water if it is dry. To do this, you will need to replace the drainage plugs. Replace the lid and turn on the pump. It will gurgle at first because it clears the air from the lines, but then should run smoothly.Q. Why is my pool pump gurgling? If your pool pump is gurgling, it is likely that the air will fall into the pump, probably from the pumping side. First, check the pool level. If the water level is low, the pump can be pulled into the air, not water. Also, check the flap on the pool skimmer to make sure it is not stuck, preventing water from entering the pump inlet. If both of these areas check, the pump cover will most likely have cracks or a drying O-ring seal that you will need to replace.Q. What happens if the air gets into the pool pump? If the air enters the pool pump, it loses the suction, preventing it from sucking water into the pump. It will also push the air into the pool, causing bubbles and a stinging sound.Q. How long should you run the pool pump? It depends on the type of pump you have. A single speed pump should operate for a maximum of eight hours a day to avoid high energy consumption. With this in mind, it is very important to purchase a pump that can bike all the water in your pool twice in that time. A double or variable speed pump can operate for a longer period of time at a lower speed.Q. Can I change my pool pump myself? Replacing the pool pump can be a DIY job. Many pool pumps will fit quite easily into the hole created by the old pump. However, check the warranty before changing, as many major pump manufacturers will not respect their warranty unless the pump is installed by a certified professional. Pro.

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