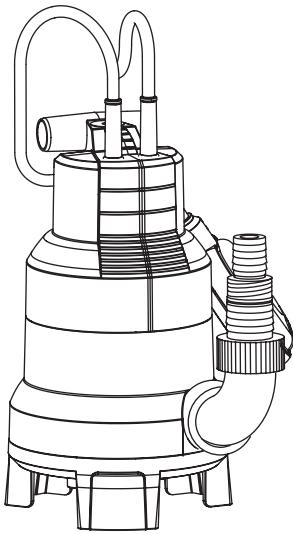


6000 S
Art. 1777



6000 SP
Art. 1790

D Gebrauchsanweisung

Tauchpumpe/Schmutzwasserpumpe

GB Operating Instructions

Submersible Pump/Dirty Water Pump

F Mode d'emploi

Pompe pour eaux claires/Pompe pour eaux chargées

NL Gebruiksaanwijzing

Dompelpomp/Vuilwaterpomp

S Bruksanvisning

Dränbar pump/spillvattenpump

I Istruzioni per l'uso

Pompa sommersa/Pompa sommersa per acqua sporca

E Manual de instrucciones

Bomba sumergible/Bomba para aguas sucias

P Instruções de utilização

Bomba submersível/Bomba para esgotos

DK Brugsanvisning

Dykpumpe/Pumpe til snavset vand

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GARDENA Submersible Pump 6000 S/ Dirty Water Pump 6000 SP

Welcome to the garden of GARDENA ...



Please read these operating instructions carefully and observe the notes given. Use these operating instructions to familiarise yourself with your Pump, its proper use and the notes on safety.

For safety reasons, children under the age of 16 and people not familiar with these operating instructions must not use this pump.

→ Please Keep these operating instructions in a safe place.

Contents:

1. Where to use your GARDENA Pump	10
2. Safety Instructions	11
3. Using the Pump for the First Time	12
4. Operation	13
5. Storage	14
6. Cleaning	14
7. Troubleshooting	14
8. Technical Data	15
9. Warranty	16

1. Where to use your GARDENA Pump

Correct use:

The GARDENA pump is intended for private use around the house and garden. It is primarily intended for drainage purposes if flooding (please ensure this word is not split over 2 lines) occurs but also for transferring water to and from tanks and pumping them out, for drawing water from wells and shafts, for draining boats and yachts and for aerating and circulating water for limited periods.

Liquid conveyed:

The GARDENA pump is suitable for conveying:

- Submersible pump 6000 S: clean to slightly dirty water with a max. particle size of 5 mm,
- Dirty water pump 6000 SP: dirty water with a max. particle size of 25 mm,

and swimming pool water (provided that the additives have been measured and added in accordance with manufacturers' instructions) and soapy water.

The pump can be fully submerged (watertight encapsulation) and can be lowered down to a depth of 9 m into the water.

Please note:



The GARDENA pump is not intended for long term use (e. g. use for continuous circulation) in a pond. The length of life of the pump will be shortened accordingly if used in this way. Corrosive, flammable or explosive substances (e.g. petrol, paraffin, cellulose thinners); grease, oil, salt water and sewage must not be conveyed by the pump. The temperature of the liquid conveyed may not exceed 35 °C.

2. Safety Instructions



Electrical safety:

DANGER ! Electric shock !

The pump must not be operated if there are people in the swimming pool or garden pond.

→ Ensure that the electrical plug and socket connections are fitted in an area which cannot flood.

→ Protect power plug from moisture.

According to DIN VDE (German Electrical Engineers' Association) 0620, mains power cables must not have a smaller cross-section than the rubber-sheathed cables of the designation H05 RNF. The cable length must be at least 10 m.

Data indicated on the type plate must match technical data of the mains supply.

According to DIN VDE 0100, pumps may only be operated in swimming pools, garden ponds and wells via a fault current circuit breaker with a nominal fault current of ≤ 30 mA.

Swimming pools and garden ponds should be designed according to international and national design regulations.

For safety reasons we recommend that the pump is always operated by a residual-current device (DIN VDE 0100-702 and 0100-738).

→ If in doubt please consult a qualified electrician.

Protect plug and power cable from heat, oil and sharp edges.

The connection cable of the pump cannot be replaced. If the cable is damaged the pump must be scrapped.

→ Do not pull out the power cable from the socket as a method of turning the pump off.

The power cable or the float switch must not be used for mounting or relocating the pump. For submerging or lifting/securing the pump, fix a rope to the pump's carrying handle.

In Austria, according to ÖVE B/EN 60 555 parts 1 to 3, pumps which are used in swimming pools and garden ponds, and equipped with firm power cable should be fed via an ÖVE approved isolating transformer – rated voltage must not exceed 230 V.

In Switzerland mobile appliances which are used outdoors must be connected via a residual-current device.

Operating instructions:

→ Before operating the pump look to see if there is any damage to the pump (especially to the power cable and plug).

→ Clear the outlet line before use. Avoid running the pump with the outlet side closed off for more than 10 minutes. against closed delivery side of the pump.

→ Observe the minimum water level and the max. delivery height (see 8. Technical Data).

A damaged pump must not be used.

→ In case of damage, please have the pump checked by our GARDENA Service Centre.

Dry-running operation causes increased wear and is to be avoided. Therefore, in manual operation the pump must be immediately unplugged when water fails to flow.

→ Observe the pump at all times during manual operation.

Take care that the pump is located where the inlet openings at the suction base are not obstructed neither completely nor partly.

Stand the pump on a brick if using in a pond.

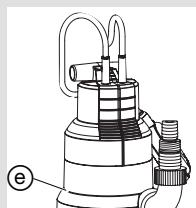
Safety instructions:

Thermal motor protector:

The pump is automatically switched off on overheating by the built-in thermal motor protector. After having cooled down, the motor automatically switches on again (see 7. Troubleshooting).

Automatic Air bleed valve:

The automatic air bleed valve eliminates any air pockets in the pump. During this process, air escapes through the vent bores (e) and air bubbles appear underwater. This is not a defect of your pump, but serves to deaerate the pump, but serves to remove air from the pump.

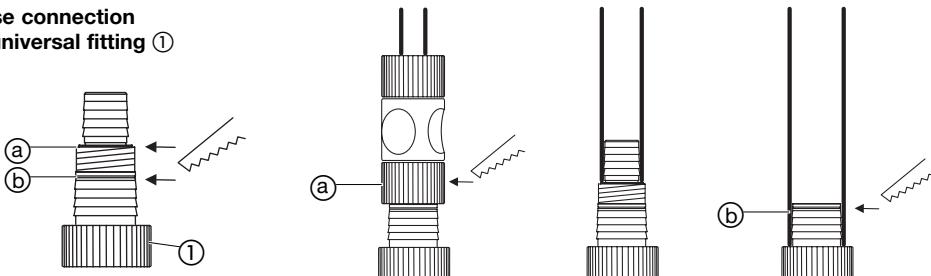


It may take several seconds for the air to escape when the pump is immersed for the first time.

3. Using the Pump for the First Time

Hose diameter	13 mm (1/2") 15 mm (5/8") 19 mm (3/4")	25 mm (1")	38 mm (1 1/2")
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Hose connection of universal fitting ①



Hose connection

Cut off topmost
nipple at ②

Do not cut off any
nipples

Cut off top two
nipples at ③

Connection kits needed for 13 - 19 mm hoses:

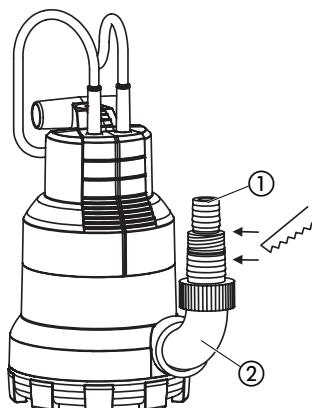
13 mm (1/2"): GARDENA Pump Connection Set, Art. No. 1750

15 mm (5/8"): GARDENA Tap Connector, Art. No. (2)902, and
Standard Hose Connector, Art. No. (2)916

19 mm (3/4"): GARDENA Pump Connection Set, Art. No. 1752

Best results in delivery capacity are achieved when using
38 mm (1 1/2") hoses.

Connecting the hose:



The universal fitting ① allows connection of all the hoses listed in the table above.

1. Screw L-piece ② into the pump.
2. Cut off nipples of the universal ① fitting which are not needed, to match the hose connection.
3. Screw the universal fitting ① onto the pump.
4. Connect the hose to the universal fitting ①.

We recommend that 38 mm (1 1/2")- and 25 mm (1") hoses should be fastened with an additional **GARDENA** hose clamp **Art. No. 7193**.

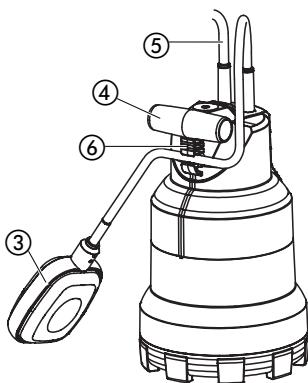
Only for 13 mm (1/2") hose:

The universal fitting ① can also be equipped with a **GARDENA** Regulator Valve **Art. No. (2)977** so that the contents of the outlet line do not flow back through the pump after pumping. The Regulator Valve can be ordered from your **GARDENA** dealer.

4. Operation

GB

Automatic operation:



The float switch ③ turns the pump on automatically when the water level exceeds the cut-in height and the water is pumped out.

The float switch ③ turns the pump off again as soon as the water level falls below the cut-out height.

1. Stand the pump on a firm surface

– or –

use a rope attached through the bore hole in the carrying handle ④ to immerse the pump in a well or shaft.

During automatic operation, ensure that the float switch ③ can move freely.

2. Plug the power cable ⑤ into a mains socket.

Adjusting the Cut-in and Cut-out Height:

(Minimum depth for switching on and off, see **8. Technical Data**.)

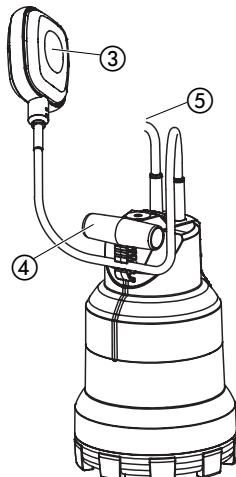
→ Push the cable of the float switch ③ into the float switch lock ⑥.

Do not select a cable length that is too long or short to ensure that the float switch can turn on and off properly.

The cable length between the float switch ③ and the float switch lock ⑥ must always be at least 10 cm.

- The shorter the length of cable between the float switch ③ and the float switch lock ⑥, the lower the cut-in height and the higher the cut-out height.

Manual operation:



To ensure that the pump can draw in water, the level must be above the minimum water level at start-up (**see 8. Technical Data**).

The pump remains constantly in operation because it is switched on manually by raising the float switch.

1. Stand the pump on a firm surface

– or –

use a rope attached through the bore hole in the carrying handle ④ to immerse the pump in a well or shaft.

2. Plug the power cable ⑤ into a mains socket.

3. Fix float switch ③ vertically above the pump (with the cable at the bottom).

As long as the float switch is positioned vertically above the pump, the pump will operate regardless of the water level.

The minimum residual water depth (**see 8. Technical Data**) is only achieved in manual mode because the float switch already switches off the pump before this when in automatic mode.

5. Storage

Storage:



→ Clean and store the pump in a frost-free place before the first frost arrives.

Disposal:

(in accordance with
RL2002/96/EC)

The product must not be added to normal household waste.
It must be disposed of in line with local environmental regulations.

GB

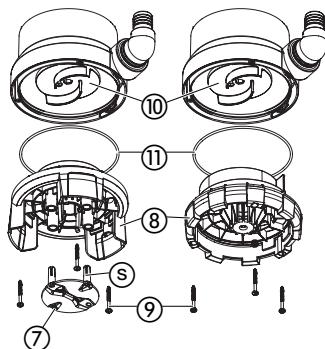
6. Cleaning

Flushing the pump:

The GARDENA should not require regular maintenance.

After pumping pumped chlorinated swimming pool water or other liquids leaving residues, the pump should be rinsed with clear water.

Cleaning the suction base and feed impeller:



WARNING ! Electric shock !

Risk of injury due to electric shock.

→ Disconnect the pump from the mains before cleaning the suction base and feed impeller.

1. Unscrew the cross-head screws ⑨ and remove the suction base ⑧ from the pump.
2. 6000 SP: Press snap hooks ⑤ together and remove safety cover ⑦ from suction foot ⑧ and clean.
3. Clean suction foot ⑧ and impeller ⑩.
4. Refit suction foot ⑧ and screw in the cross-head screws ⑨ again. During this, ensure that the sealing ring ⑪ is seated correctly.
5. 6000 SP: Reinsert the safety cover ⑦ in the suction foot ⑧ again.

For safety reasons a damaged feed impeller ⑩ can only be exchanged by the GARDENA Service Centre.

7. Troubleshooting



WARNING ! Electric shock !

Risk of injury due to electric shock.

→ Disconnect the pump from the mains before rectifying faults.

Problem	Probable cause	Remedy
Pump is running, but does not deliver.	Air cannot escape as pressure line is closed.	→ Open pressure line (e.g. kinked pressure pipe).
	Air locks in the suction base.	→ Wait for max. 60 seconds until the pump deaerates automatically over the vent valve. If necessary, switch off and start it again.

Problem	Probable cause	Remedy
Pump is running, but does not deliver.	Feed impeller clogged.	→ Disconnect plug and clean feed impeller (see 6. Cleaning).
	When starting the pump, water height falls below the minimum water level.	→ Submerge pump deeper into water.
Pump doesn't start or suddenly stops during operation.	Thermal overload switch has switched the pump off due to overheating.	→ Disconnect plug and clean feed impeller (see 6. Cleaning). Observe maximum water temperature of 35°C.
	No power.	→ Check fuse and electrical plug and socket connections.
	Dirt particles are jammed in the suction base.	→ Disconnect plug and clean suction base (see 6. Cleaning).
Pump runs, but output suddenly decreases.	Suction base is clogged.	→ Disconnect plug and clean suction base (see 6. Cleaning).

Attention!

Work on electrical parts must only be carried out by GARDENA Service or an authorised GARDENA repairer.

If you have any problems with your Pump, please contact our Service.

8. Technical Data

	6000 S (Art. No. 1777)	6000 SP (Art. No. 1790)
Mains voltage/mains frequency	230 V AC/50 Hz	230 V AC/50 Hz
Rated Power	220 W	220 W
Connection cable	10 m; H05-RN-F	10 m; H05-RN-F
Max. delivery capacity	6000 l/h	6000 l/h
Max. pressure/head	0,5 bar/ 5 m	0,5 bar/ 5 m
Max. submersion depth	9 m	9 m
Min. depth of water for switching on	Ca. 330 mm	Ca. 350 mm
Min./max. depth for switching off	Ca. 50 mm/95 mm	Ca. 65 mm/120 mm
Residual depth of water	Empties down to approx. 5 mm	25 mm
Dirty water with max. particle diameter	Ø 5 mm	Ø 25 mm
Pump connection	38 mm (1½")-/25 mm (1")-stepped connection. Option GARDENA plug-in connection water hose system for connecting 13 mm (1/2")/15 mm (5/8"/19 mm (3/4") hoses.	
Minimum water level at start-up	50 mm	75 mm
Weight	Ca. 3,1 kg	Ca. 3,2 kg
Max. water temperature	35 °C	35 °C
Cut-in/Cut-out height:	The cut-in and cut-out height varies. The residual water height is only reached during manual operation (see 4. Operation).	

9. Warranty

GB

GARDENA guarantees this product for 2 years from date of purchase. This guarantee covers all serious defects of the unit that can be proved to be material or manufacturing faults. Under warranty we will either replace the unit or repair it free of charge if the following conditions apply:

- The unit must have been handled properly and in keeping with the requirements of the operating instructions.
- Neither the purchaser or a non-authorised third party have attempted to repair the unit.

The feed impeller is a wearing part and is not covered by the guarantee.

This manufacturer's guarantee does not affect the user's existing warranty claims against the dealer/seller.

If you have any problems with your pump, please contact our Customer Service or return the defective unit together with a short description of the problem directly to one of the GARDENA Service Centres listed on the back of these operating instructions.

D Produkthaftung	Wir weisen ausdrücklich darauf hin, dass wir nach dem Produkthaftungsgesetz nicht für durch unsere Geräte hervorgerufene Schäden einzustehen haben, sofern diese durch unsachgemäße Reparatur verursacht oder bei einem Teileaustausch nicht unsere originale GARDENA Teile oder von uns freigegebene Teile verwendet wurden und die Reparatur nicht vom GARDENA Service oder dem autorisierten Fachmann durchgeführt wird. Entsprechendes gilt für Ergänzungsteile und Zubehör.
GB Product Liability	We expressly point out that, in accordance with the product liability law, we are not liable for any damage caused by our units if it is due to improper repair or if parts exchanged are not original GARDENA parts or parts approved by us, and, if the repairs were not carried out by a GARDENA Service Centre or an authorised specialist. The same applies to spare parts and accessories.
F Responsabilité	Nous vous signalons expressément que GARDENA n'est pas responsable des dommages causés par ses appareils, dans la mesure où ces dommages seraient causés suite à une réparation non conforme, dans la mesure où, lors d'un échange de pièces, les pièces d'origine GARDENA n'auraient pas été utilisées, ou si la réparation n'a pas été effectuée par le Service Après-Vente GARDENA ou l'un des Centres SAV agréés GARDENA. Ceci est également valable pour tout ajout de pièces et d'accessoires autres que ceux préconisés par GARDENA.
NL Productaansprakelijkheid	Wij wijzen er nadrukkelijk op, dat wij op grond van de wet aansprakelijkheid voor producten niet aansprakelijk zijn voor schade ontstaan door onze apparaten, indien deze door onvakkundige reparatie veroorzaakt zijn, of er bij het uitwisselen van onderdelen geen gebruik gemaakt werd van onze originele GARDENA onderdelen of door ons vrijgegeven onderdelen en de reparatie niet door de GARDENA technische dienst of de bevoegde vakman uitgevoerd werd. Ditzelfde geldt voor extra-onderdelen en accessoires.
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I Responsabilità del prodotto	Si rende espressamente noto che, conformemente alla legislazione sulla responsabilità del prodotto, non si risponde di danni causati da nostri articoli se originati da riparazioni eseguite non correttamente o da sostituzioni di parti effettuate con materiale non originale GARDENA o comunque da noi non approvato e, in ogni caso, qualora l'intervento non venga eseguito da un centro assistenza GARDENA o da personale specializzato autorizzato. Lo stesso vale per le parti complementari e gli accessori.
E Responsabilidad de productos	Advertimos que conforme a la ley de responsabilidad de productos no nos responsabilizamos de daños causados por nuestros aparatos, siempre y cuando dichos daños hayan sido originados por arreglos o reparaciones indebidas, por recambios con piezas que no sean piezas originales GARDENA o bien piezas no autorizadas por nosotros, así como en aquellos casos en que la reparación no haya sido efectuada por un Servicio Técnico GARDENA o por un técnico autorizado. Lo mismo es aplicable para las piezas complementarias y accesorios.
P Responsabilidade sobre o produto	Queremos salientar que segundo a lei da responsabilidade do fabricante, nós não nos responsabilizaremos por danos causados pelo nosso equipamento, quando estes ocorram em decorrência de reparações inadequadas ou da substituição de peças por peças não originais da GARDENA, ou peças não autorizadas. A responsabilidade tornar-se-á nula também depois de reparações realizadas por oficinas não autorizadas pela GARDENA. Esta restrição valerá também para peças adicionais e acessórios.
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<p>D EU-Konformitätserklärung</p> <p>MaschinenVerordnung (9. GSGVO) / EMVG / Niedersp. RL</p> <p>Der Unterzeichnete GARDENA Manufacturing GmbH · Hans-Loreenser-Straße 40 · D-89079 Ulm bestätigt, dass die nachfolgend bezeichneten Geräte in der von uns in Verkehr gebrachten Ausführung die Anforderungen der harmonisierten EU-Richtlinien, EU-Sicherheitsstandards und produktsspezifischen Standards erfüllen. Bei einer nicht mit uns abgestimmten Änderung der Geräte verliert diese Erklärung ihre Gültigkeit.</p>	<p>Bezeichnung des Gerätes: Description of the unit: Désignation du matériel :</p> <p>Omschrijving van het apparaat: Produktbeskrivning: Descrizione del prodotto:</p> <p>Descripción de la mercancía: Descrição do aparelho: Beskrivelse af enhederne:</p> <p>Tauchpumpe/Schmutzwasserpumpe Submersible Pump/Dirty Water Pump Pompe pour eaux claires/ Pompe pour eaux chargées Domelpomp/Vuilwaterpomp Dränbar pump/spillvattenpump Pompa sommersa/ Pompa sommersa per acqua sporca Bomba sumergible/ Bomba para aguas sucia Bomba submersível/ Bomba para esgotos Dampumpe/Pumpe til snavset vand</p>
<p>G EU Certificate of Conformity</p> <p>The undersigned GARDENA Manufacturing GmbH · Hans-Loreenser-Str. 40 · D-89079 Ulm hereby certifies that, when leaving our factory, the units indicated below are in accordance with the harmonised EU guidelines, EU standards of safety and product specific standards. This certificate becomes void if the units are modified without our approval.</p>	<p>F Certificat de conformité aux directives européennes</p> <p>Le constructeur, soussigné : GARDENA Manufacturing GmbH · Hans-Loreenser-Str. 40 · D-89079 Ulm déclare qu'à la sortie de ses usines le matériel neuf désigné ci-dessous était conforme aux prescriptions des directives européennes énoncées ci-après et conforme aux règles de sécurité et autres règles qui lui sont applicables dans le cadre de l'Union européenne. Toute modification portée sur ce produit sans l'accord express de GARDENA supprime la validité de ce certificat.</p>
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<p>S EU Tillverkarintyg</p> <p>Undertecknad firma GARDENA Manufacturing GmbH · Hans-Loreenser-Straße 40 · D-89079 Ulm intygar härmed att nedan nämnda produkter överensstämmer med EU:s direktiv, EU:s säkerhetsstandard och produktsspecifikation. Detta intyg upphör att gälla om produkten ändras utan vårt tillstånd.</p>	
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<p>E Declaración de conformidad de la UE</p> <p>El que subscribe GARDENA Manufacturing GmbH · Hans-Loreenser-Str. 40 · D-89079 Ulm declara que la presente mercancía, objeto de la presente declaración, cumple con todas las normas de la UE, en lo que a normas técnicas, de homologación y de seguridad se refiere. En caso de realizar cualquier modificación en la presente mercancía sin nuestra previa autorización, esta declaración pierde su validez.</p>	<p>Anbringungsjahr der CE-Kennzeichnung: Year of CE marking: Date d'apposition du marquage CE : Installatiejaar van de CE-aanduiding: CE-Märkningsår: Anno di rilascio della certificazione CE: Colocación del distintivo CE: Ano de marcação pela CE: CE-Mærkningsår:</p> <p>2005</p>
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<p>DK EU Overensstemmelse certifikat</p> <p>Undertegnede GARDENA Manufacturing GmbH · Hans-Loreenser-Str. 40 · D-89079 Ulm bekræfter hermed, at enhederne listet herunder, ved afsendelse fra fabrikken, er i overensstemmelse med harmoniserede EU retningslinjer, EU sikkerheds standarder og produkt specificiations standarder. Dette certifikat træder ud af kraft hvis enhederne er ændret uden vor godkendelse.</p>	<p>Technische Leitung Technical Dept. Manager Direction technique Technisch directeur Technical Director Direzione Tecnica Dirección Técnica Director Técnico Teknisk direktør</p> <p> Peter Lameli</p>

Pumpen-Kennlinie:

**Performance characteri-
stics**

Courbes de performance

Prestatiegrafiek

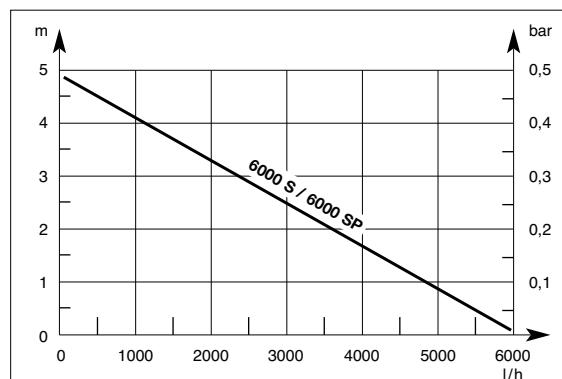
Kapacitetskurva

Curva di rendimento

**Curva característica
de la bomba**

**Características
de performance**

Ydelses karakteristika



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