

Instruction manual



CIRCULATION PUMP **OHI / OHI MAX**

OHI 15-60/130, OHI 15-60/130 BR, OHI 25-40/130, OHI 25-40/180, OHI 25-60/130,
OHI 25-60/130 BR, OHI 25-60/180, OHI 32-60/180, OHI MAX 25-80/180, OHI MAX 32-80/180

CAUTION! Read the instruction manual before use. For safety reasons only persons knowing precisely the instruction manual may operate the pump.

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Any use of the device, other than the intended use, is a foreseeable misuse of the device.

Information / symbols used in the manual device

Warning!



“Danger” symbol used for notes whose non-observance may result in danger to life or health caused by the electrical installation. The power cord of the pump must be disconnected from the power supply before carrying out the operations marked with this symbol.

Warning!



“Danger” symbol used for notes whose non-observance may result in danger to life or health.



Failure to follow the rules contained in this manual will result in the risk of explosion or ignition.

Note!



Symbol used for notes whose non-observance may result in a risk of damage to the equipment and danger to life or health.



Please read this installation and operating manual carefully before installing and operating the product to avoid unnecessary losses.

Attention!



The operating manual is an essential part of the contract of sale. Failure by the user to observe the instructions in the operating manual constitutes non-compliance with the contract and excludes any claims arising from a possible failure of the equipment resulting from use contrary to the instructions.

The manufacturer shall not be liable for malfunctions if the equipment was incorrectly connected, damaged, modified and/or used for a purpose outside the scope of the recommended work or contrary to the guidelines included in this manual. The manufacturer shall also not be liable for possible errors in the operating manual caused by misprints or copying errors. The manufacturer reserves the right to make any modifications to the product which it may deem necessary and useful and which do not affect its essential characteristics.

DAMBAT shall not be liable for damage to the equipment, property or personal injuries as a result of failure to adhere to the instructions in the manual, including incorrect selection of the equipment, assembly not complying with the manual, applicable standards and national regulations, incorrect maintenance of the equipment and the entire system.

This equipment is not intended for use by persons (including children) whose physical, sensory or mental abilities or lack of experience and knowledge prevent them from using it safely without supervision or instructions.



Safety of use

This manual has been created for users to facilitate the correct operation of the OHI pumps. The information contained in this manual is subject to change without prior notice.

To ensure correct and safe use of OHI pumps and to avoid possible damage to the pump and dangerous situations for users, please read the following instructions carefully before installing and operating the device.

Precautions on use of OHI series pumps



1. Before installation, read the following manual carefully



2. Failure to observe the fragments marked with warning signs may cause bodily injury, pump damage and other property losses, for which the producer takes no liability, including but not limited to liability for damages.



3. The fitter, maintenance technician and user have to observe the local safety regulations.



4. The user must confirm that the installation and maintenance of the product are performed by personnel having adequate knowledge and professional experience connected with the structure and operation of water systems.



5. Pumps cannot be installed in moist environment or in places which can be exposed to flooding with splattering water.

6. To make maintenance easier, place a ball valve on both sides of the pump.

7. During installation and maintenance, cut off the electric power supply from the pump.

8. The pump cannot be run without water.

9. If the pump is dismantled from the pipeline, either discharge the water from the system or close the ball valves cutting the pump off before dismantling to avoid possible burning with hot water. Please remember that the water can have high temperature and pressure.

10. In dismantling the pump from the pipeline, the water, which can have high temperature and high pressure, will flow outside. Please be careful not to cause bodily injury due to burning and not to flood other devices.



11. In summer or when the ambient temperature is high, pay attention to proper ventilation in the room where the pump has been installed. It will help prevent condensation of humidity, which can cause an electric failure.

12. In winter, if hot water system doesn't work, please bear in mind that freezing water can burst the pump body.



13. If the pump does not operate for a long time, close the ball valves cutting off the pump and cut off electric power supply.

Safety of use

14. If the electric wire powering the pump is damaged, refer to an authorised servicing team to replace it along with its switch.
15. If the pump motor heats up excessively (more than usually), immediately disconnect the pump from its power source, close the cut off valves and contact a servicing team.
16. If a pump failure cannot be removed according to the manual, immediately disconnect the pump from its power supply, close the cut off valves and immediately contact the local manufacturer or the servicing centre.



17. The product must be placed in a place far away from children and measures to isolate the product must be taken to avoid children touching it.
18. The product must be connected to the electric mains equipped with efficient electric earthing. The yellow-green core of the connection cable is earthing.
19. The product must be connected to mains equipped with a residual current circuit breaker with tripping current ΔI_n not exceeding 30 mA.
20. The product must be placed in a dry, well-ventilated and cool place and stored at room temperature.



21. This equipment is not intended for use by persons (including children) with reduced motor, sensory or mental capacities, or persons without experience or not familiarised with the equipment, unless it is performed under supervision or according to the instruction regarding operation provided by persons responsible for their safety. Attention should be paid so that children do not play with the equipment.



Inspection / Terms of use

The OHI series circulation pump serves best in the following systems:

- for the circulation of domestic hot water

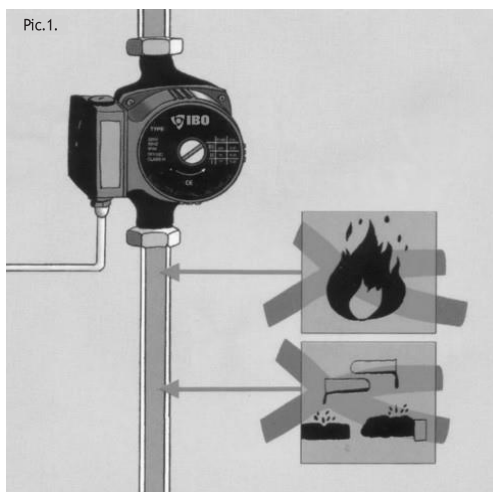
Benefits of installation of OHI pumps.

- Easy of installation and launch.
- High comfort of use.
- Low noise level of the pump and the entire system.

Terms of use

- Permissible ambient temperature from 0°C to + 40°C.
- Maximum permissible relative humidity (RH) 95%
- Permissible water temperature +2°C-95°C. To prevent condensation of steam on the control panel and the stator, the temperature of the water circulating running through the pump must always be higher than the ambient temperature.
- The permissible maximum pressure in the system is 1,0 MPa (10 bar)
- Protection rating IP 44
- Pressure at the pump inlet

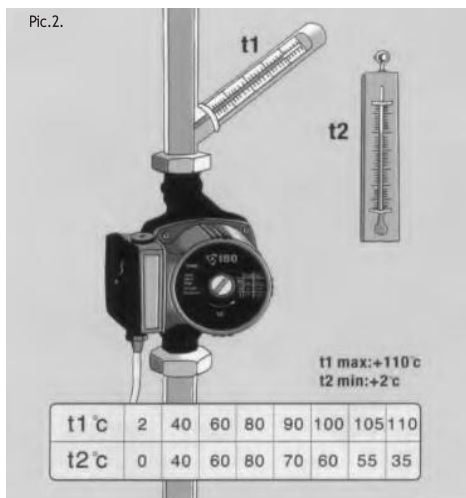
Pump bearings are lubricated with water, the pump operation without water cannot last longer than 10 seconds.



Installation

WARNING!

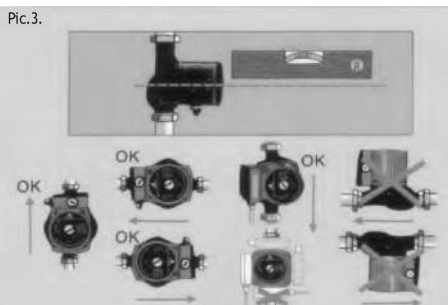
The ambient temperature must be lower than the pumped medium. See Pic.2.



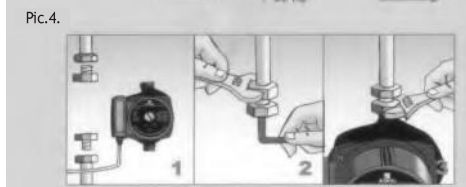
Installation

Please pay attention to the water flow direction when installing. An arrow on the pump housing shows the direction of flow forced by the pump. This direction must be compatible with the installation circuit.

- The pump should be installed so that the pump shaft is in a horizontal position. See Pic. 3.



- The pump must be installed according to the following procedure. See Pic. 4.



Electric connection

Electric connection

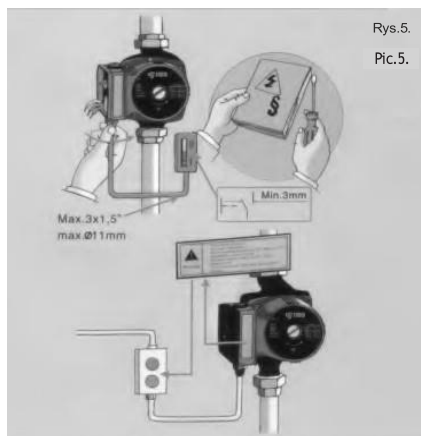


Electrical connection and protection must be carried out in accordance with local regulations.



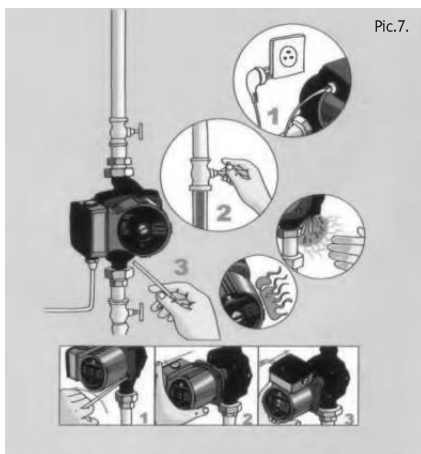
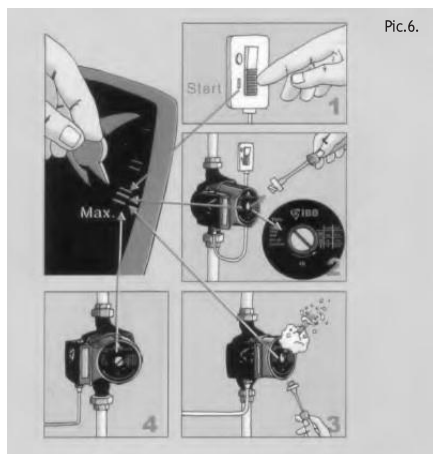
The electric pump must be connected to an earthing conductor $\oplus$

The pump must be connected to an external power switch. The minimum gap between the switch contacts should be 3 mm.



WARNING!!

After installation, the pump must be deaerated before starting work,
See Pic. 6.



Starting the pump

Before starting the pump, make sure the system is full of water and pressure is at the pump inlet has reached the minimum inlet pressure as required.

The pump should be installed so that the pump shaft is in a horizontal position.



To avoid damage to the pump bearing due to cavitation, the following minimum pressure must be maintained at the pump inlet:

Water temperature [°C]	<75°C	90°C	95°C
Minimum input pressure	0.05 bar	0.28 bar	0,5 bar
	0,5 m of H2O column	2,8 m of H2O column	5 m of H2O column

Troubleshooting

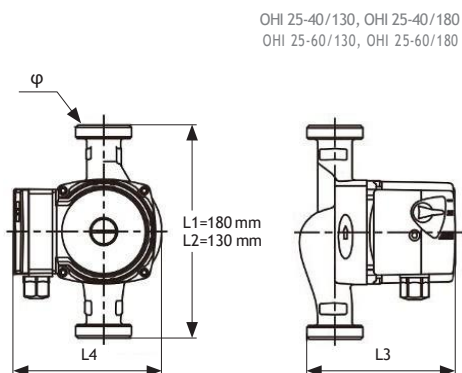
ISSUE:	POSSIBLE CAUSE:	SOLUTION:
The pump does not start	Installation fuse blown	Check the cause, replace the fuse
	The miniature circuit breaker is off	Activate the circuit breaker
	Pump damaged	Replace the pump
	Pump impeller blocked	Unlock the rotor
The system is loud	Air in the system	Carry out bleeding
	Inlet pressure too low - cavitation	Increase the inlet pressure at the inlet to pump
The pump is loud	There is air in the pump	Bleed the pump
	The suction pressure is too low	Increase the suction pressure or check air pressure in the tank equalizing



Technical parameters OHI

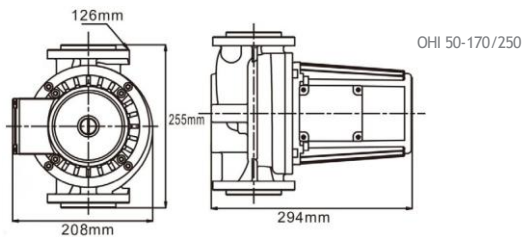
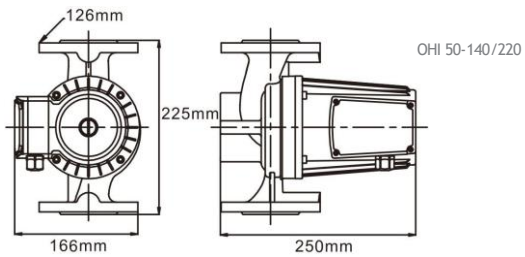
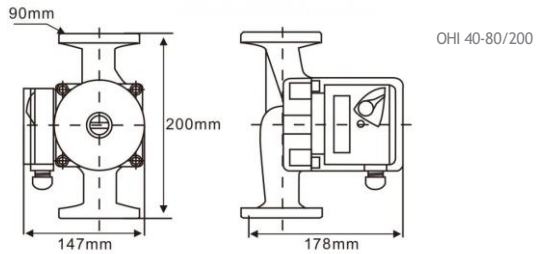
Pump model	Gear	Lift [m]	Capacity [l/min]	Motor power [W]	Connector diameter pump / Screw connection diameter [inch]	Connector spacing [mm]
OHI 15-60/130 OHI 15-60/130 BR	1	2,2	24	46	1 / ½	130
	2	3,9	37	63		
	3	5,1	55	93		
OHI 25-40/130 OHI 25-40/180	1	2,2	27	38	1½ / 1	130 180
	2	3,2	38	53		
	3	4	55	71		
OHI 25-60/130 OHI 25-60/130 BR OHI 25-60/180	1	2,8	27	46	1½ / 1	130 130 180
	2	4,7	39	63		
	3	5,6	57	93		
OHI 32-60/180	1	2,2	31	46	2 / 1½	180
	2	3,9	47	63		
	3	5,4	69	93		
OHI 25-80/180	1	5	50	150	1½ / 1	180
	2	7,4	73	220		
	3	8	115	270		
OHI 32-80/180	1	3,9	62	150	2 / 1½	180
	2	6,6	94	220		
	3	7,7	142	270		

Pump model OHI	L1/L2 [mm]	φ [mm]	L3 [mm]	L4 [mm]
15-60/130 15-60/130BR	130	32,5	126	121
25-40/130	130	47,5	126	121
25-40/180	180	47,5	126	121
25-60/130 25-60/130BR	130	47,5	126	121
25-60/180	180	47,5	126	121
32-60/180	180	59	134	121
25-80/180	180	47,5	155	145
32-80/180	180	59	163	145



Technical parameters OHI MAX

Pump model	Gear	Lift [m]	Capacity [l/min]	Motor power [W]	Flange diameter [inch]	Flange spacing [mm]	Weight [kg]
OHI 40-80/200	1	4,5	75	150	1½	200	6
	2	6,5	121	220			
	3	8	186	270			
OHI 50-140/220	1	12	210	550	2	220	16
OHI 50-170/250	1	16	320	750	2	250	17



Maintenance

Maintenance



- Maintenance must only be carried out by a qualified electrician.
- Maintenance work is not necessarily identical with each equipment, and the extent of the work is decided by the maintenance technician.
- In summer, adequate ventilation is required. At the same time, the device should not be exposed to direct sunlight or rain. In winter, store in a warm place, away from flammable substances.
- Cut the power if the unit is not operating for prolonged periods.

Utilization

The packaging of this product can be recycled. Contact the local authorities for information on the correct method of disposal.



The used product is subject to disposal as waste only in selective waste collection organized by the Network of Communal Electric and Electronic Waste Collection Points. The consumer has the right to return the used equipment to the electrical equipment distributor's network, at least free of charge and directly, as long as the returned device is of the correct type and performs the same function as the newly purchased device.

It is forbidden to throw away the used device together with other household waste!

The year the device was marked with the CE mark
(entered by the seller on the basis of the nameplate)



EC declaration of conformity | module A

EC DECLARATION OF CONFORMITY | module A

This circulating pump is dedicated only for drinking water.

1. Circulating pump:

OHI, OHI MAX:

**15-60/130, 15-60/130 BR, 25-40/130, 25-40/180, 25-60/130,
25-60/130 BR, 25-60/180, 32-60/180, 25-80/180, 32-80/180**

2. Dambat Jastrzębski S.K.A., Adamów 50, 05-825 GRODZISK MAZOWIECKI,
POLSKA, e-mail: **biuro@dambat.pl**

3. This declaration of conformity is issued under the sole responsibility of
the manufacturer.

4. Pumps form point 1.

5. We declare with full responsibility that pumps included in the point 1. to
which this declaration refers to are consistent with the following guide-
lines of the Council on legal regulations unification in member states of
EC:

- Directive EMC Nr 2014/30/EU
- Directive LVD Nr 2014/35/EU
- Directive RoHS Nr 2011/65/EU
- Directive MD Nr 2006/42/EC
- Directive ErP Nr 2009/125/EC

EC commission regulation No 622/2012 art.1 pt. 2, letter a.

6. Applied standard:

EN 809:1998+A1:2009+AC:2010, EN 60204-1:2006+A1:2009+AC:2010,
EN 60034-1:2010+AC:2010, EN 60335-1:2012+A11:2014+AC:2014,
EN 62233:2008+AC:2008, EN 60335-2-51:2003+A1:2008+A2:2012,
EN 5014-1:2006+A1:2009+A2:2011, EN 5014-2:2015, EN 61000-3-2:2014,
EN 61000-3-3:2013, IEC 62321-3-1:2013, IEC 62321-4:2013,
IEC 62321-5:2013, IEC 62321-7-1:2015, IEC 62321:2008, IEC 62321-6:2017


Adam Jastrzębski
23.04.2023



KARTA GWARANCYJNA

Poniższa karta gwarancyjna ważna jest tylko wraz z oryginałem dokumentu zakupu, tzn. fakturą lub paragonem.

Ponadto musi być potwierdzona przez sprzedawcę podpisem i pieczęcią.

Karta gwarancyjna bez załączonego oryginalnego dokumentu zakupu jest nieważna.

1. Gwarantem urządzenia jest DAMBAT Jastrzębski S.K.A.; adres serwisu: Adamów 50, 05-825 Grodzisk Mazowiecki, Polska, kompleks Panattoni.
2. Dla klientów posiadających oryginał dowodu zakupu w postaci paragonu fiskalnego, lub oryginału faktury, okres gwarancji wynosi 24 miesiące.
3. Gwarancja nie włącza, nie ogranicza, ani nie zawiesza uprawnień kupującego wynikających z przepisów o rękojmi za wady rzeczy sprzedanej.
4. Gwarancja obejmuje bezpłatne usuwanie wad urządzenia powstałych w wyniku błędu w produkcji.
5. Warunkiem obowiązywania gwarancji jest przestrzeganie zaleceń zawartych w instrukcji obsługi.
6. Gwarancja nie obejmuje:
 - Uszkodzeń będących wynikiem niewłaściwej obsługi lub eksploatacji niezgodnej z przeznaczeniem i instrukcją obsługi
 - Uszkodzeń powstałych w wyniku działania sił zewnętrznych, których przyczyna tkwi poza urządzeniem, którego gwarancja dotyczy (np. uszkodzenia mrozowe, transportowe, pożar, powódź, itp.)
 - Uszkodzeń powstałych na skutek ingerencji w konstrukcję urządzenia osób nieupoważnionych przez gwaranta.
7. Gwarancja traci ważność w przypadku:
 - Stwierdzenia w autoryzowanym serwisie zmian konstrukcyjnych dokonanych przez osobę nieupoważnioną przez gwaranta;
 - Stwierdzenia w autoryzowanym serwisie prób demontażu urządzenia przez osobę nieupoważnioną przez gwaranta, poza czynnościami dozwolone instrukcją obsługi
 - Stwierdzenia w autoryzowanym serwisie jakichkolwiek poprawek w karcie gwarancyjnej, dokonanych przez osoby nieupoważnione przez gwaranta
 - Stwierdzenia w autoryzowanym serwisie jakichkolwiek rozbieżności między wpisami w karcie gwarancyjnej a dokumentem zakupu.
8. Gwarancja obejmuje tylko urządzenia eksploatowane na terenie RP.
9. W przypadku wysyłki urządzenia do naprawy przez użytkownika, przy wysyłkach urządzeń - między innymi o wadze powyżej 20 kg - gwarant pokrywa koszty transportu do serwisu. Przed wysyłką proszę skontaktować się z gwarantem w celu uzyskania informacji, którą firmą kurierską wysłać urządzenie (tel. 22 632 86 09). Gwarant przyjmuje tylko przesyłki wysłane w usłudze standard. Przesyłki wysłane na koszt gwaranta przy zastosowaniu innej niż standard usługi nie będą odbierane. Gwarant nie odbiera przesyłek pobraniowych. Użytkownik powinien przygotować (zabezpieczyć) urządzenie do transportu tak, aby nie uległo uszkodzeniu. Wszelkie uszkodzenia powstałe z winy klienta nie podlegają naprawie gwarancyjnej.
10. Poza warunkami gwarancji kupującemu nie przysługują żadne odszkodowania.
11. W przypadku przysłania do serwisu sprawnego urządzenia, niepodlegającego naprawie gwarancyjnej, użytkownik może zostać poproszony o zwrot kosztów sprawdzenia urządzenia, oraz zwrot kosztów odesłania urządzenia do serwisu do użytkownika.
12. W przypadku nieuznania przez gwaranta uszkodzenia za zawinione przez producenta, użytkownik może zostać poproszony o zwrot kosztów transportu do serwisu i zwrot kosztów odesłania urządzenia do użytkownika.
13. Naprawa gwarancyjna zostanie wykonana w terminie 14 dni roboczych, licząc od dnia dostarczenia urządzenia do serwisu, z wyłączeniem szczególnych przypadków, kiedy wada nie ma charakteru trwałego i konieczna jest dłuższa diagnostyka urządzenia.
14. Gwarant nie udziela informacji o stanie realizacji naprawy, jak i przebiegu samej naprawy wysłanego do serwisu urządzenia.
15. Jeżeli użytkownik posiada adres e-mail prosimy o podanie go poniżej:

Adres e-mail użytkownika:

16. Podanie adresu przez użytkownika ułatwi komunikację z serwisem i może przyspieszyć naprawę.
17. Kontakt do ogólnopolskiego serwisu: tel/fax 22 632 86 09, e-mail: serwis@dambat.pl
Godziny pracy: poniedziałek-piątek 8.00-16.00

TYP URZĄDZENIA:

NR. PRODUKCYJNY :

DATA SPRZEDAŻY (miesiąc słownie)

PIECZĘĆ I PODPIS SPRZEDAWCY



Notes





dambat.pl

BIURO@DAMBAT.PL

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