DAXOM®

UKDAX-11ST
HERMETIC GAS WATER HEATER
(CONSTANT TEMPERATURE)

INSTALLATION AND OPERATING MANUAL

DAXOM®

UKDAX-11ST
HERMETİK ŞOFBEN
(SABİT SU SİCAKLIĞI)

MONTAJ VE KULLANMA KILAVUZU

TO DAXOM USER

In order to perform device's function properly and for your safety follow the instructions mentioned in the user manual of the device during the mounting and the usage of the device. In case of an unauthorized mounting and maintenance, the device will be void from warranty cover. In addition to that, our company will not be responsible from failure or an accident that may occur in the device. Please keep this user manual in good conditions for future reference.

1. SAFETY WARNINGS

- The mounting of the water heater should be made by an authorized person. Please contact with our authorized sales agencies or companies which are authorized by the authorized gas administration (EGO, İGDAŞ, BOTAŞ, İZGAZ, etc). Do not attempt to operate the device by yourself.
- In case of you use LPG gas, do not mount your water heater in places below the ground level.
- Check whether your device conforms to the gas type you will use or not.
- Provide flexible connections in a safe way.
- The pipe of water heater should not be installed to places Which stays inside the building like air well, lightings and balconies. Consult with the authorized service or the companies about this matter.
- The device operates with 220V voltage. Ensure the network voltage is 220V.
- With it's original pipe set, your heater has combustion air from external environment and again discharges gases to external environment that are occurred as a result of combustion. Because of this, it has to be used with original pipe set which is given with the product. Do not definitely connect to building chimneys.
- The life time of the water heater which is determined by department of industry is 10 years.

2. THE FEATURES AND THE CHARATERISTICS OF WATER HEATER

With digital constant water setting function the water temperature will remain constant in the degree you set.

The fuel efficiency because of your device can operate constantly at set water temperature, fuel efficiency decreases.

By the automatic water controlled on/off system, when the water tap is turn on, the water heater will automatically operate and the hot water flow will be provided. When the water valve is turn off, the water flow will stop and water heating will stop.

Operation with low water pressure function: it does not affect by the low water pressure that occurs in the high apartment flats.

The temperature control adjustment buttons make for users easy to obtain different water temperature that they desire Provide consumers to obtain different water temperatures that they desire.

By the high temperature safety system, in case of the water getting hotter than it is needed, the gas will be cut off automatically and the damage of the water heater will be prevented. The flame instability is prevented and the water is cooled after the flame is off with the features of blowing inside the water heater before the ignition (air fan blows air for 2~4 seconds before ignition) and the blowing after service (air fan will go on blowing air for 10 seconds after the water stops and the flame is off).

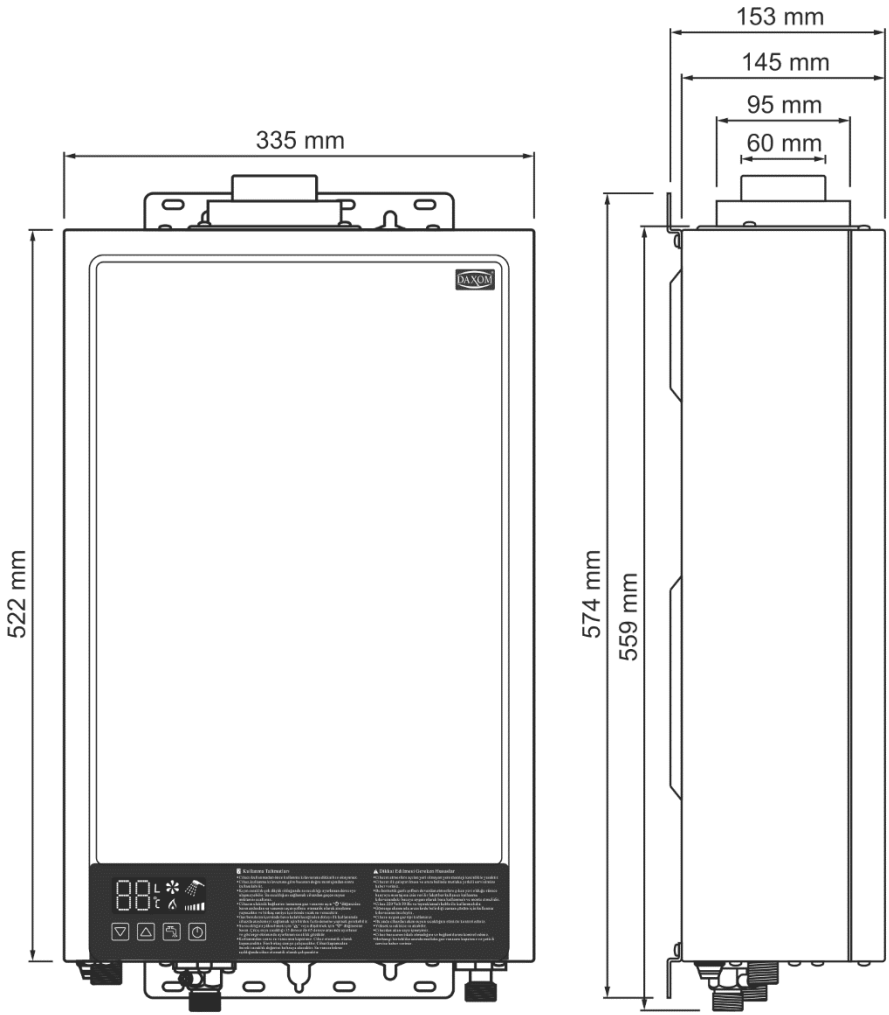
Safe and reliable design of the combustion system, Air is taken from outside by the fan for the purpose of providing combustion and discharged exhaust gas to outside again which is occurred after combustion. By the system of continuous electronic ignition, 100% success is achieved in ignition.

Multi -purpose safety system. Even if the power is supplied to the water heater again in power failure, fan failure, the blocking of the waste gas pipe or strong reverse wind blowing the gas will be automatically cut and the automatic ignition system will be disabled. In this case the water heater can restarted again after negative conditions that prevent operation of heater is disappeared.

LCD display provides information about usage. In case of operation, you can see the water flowing, operation of fan, flame formation, water temperature, temperature set,

instant water flow, instant gas consumption and warnings. In case of fault condition, it gives information about fault reason with fault code.

3. THE CONFIGURATION OF WATER HEATER



4. TECHNICAL INFORMATIONS

Device Model		UKDAX-11ST				
Device Type		C12				
Gas Category		II2H3 B/P				
Gaz Type		LPG(G30/G31)		Natural Gas(G20)		
Gas Inlet Pressure		30mBar		20mBar		
Nominal Load (Q)		22,80 kW				
Nominal Power (P)		19,61 kW				
Gas Consumption		1,78 kg/h		2,38 m3/h		
Water Pressure	Min.	0.3 Bar				
	Max.	10 Bar				
Minimum Water Flow		2,7 l/dak				
Electrical Power		34 W				
Electrical Connection		220 V 50 Hz AC				
Protection Class		IP 44				
Net Weight		9,4 kg				
Dimensions		522 x335 x 145				
Connections						
Cold Water		1/2''				
Hot Water		1/2''				
Gas		1/2” (Opsiyonel 3/4”)				
Waste Gaz		Ø60 mm				
Air Channel		Ø100 mm				
Capacity Chart						
GInlet /Outlet Water Temperature Difference (Δt)(°C)		10	15	20	25	30	35
Hot Water Flow(l/dak)*		28	19	14	11	9	8

* Values are rounded .

5. INSTALLATION OF WATER HEATER

5.1 Installation Conditions and Safety Warnings

- The waste gas pipe should not be installed in the general chimney or ventilation space of the building. The waste gas pipe should definitely go outside the building. Pipe exit should not be made to passages and corridors, narrow eaves, ventilation and light spaces of buildings, balconies (open or closed), elevator shafts and protruding building parts that prevent waste gas outlet, openings that provide fresh air to other units, and places that may be exposed to direct wind resistance. The open end of the air intake pipe should be at least 100 mm from the wall where it is installed.
- In order to prevent the backflow of the condensed water or the rain water to the heater, the part of the waste gas pipe remaining outside the environment should be placed as to make a horizontal angle of 3 degrees.
- Squall to waste gas pipe may cause device out of function.
- The environment where the water heater is mounted should be free from blocking, preventing parts and projections during the repair and maintenance; there should be sufficient space around the device for repair and maintenance.
- Flammable and explosive substances must definitely be kept away from the water heater**.**
- The waste gas pipe can be extended when necessary however the total pipe length should not exceed 2 m. More than 2 brackets should not be used for extension (including original elbow), the pipes should be appropriately fixed
- The hole opened for the waste gas pipe in the wall after the mounting should be filled with a substance resistant to burning and it should be isolated.
- Electric connection of the heater must be grounded and 2 amper fuse must have.
- The wall, which your water heater is mounted, should be strong as to carry the weight of the water heater.
- Do not mount your water heater on the power supplies

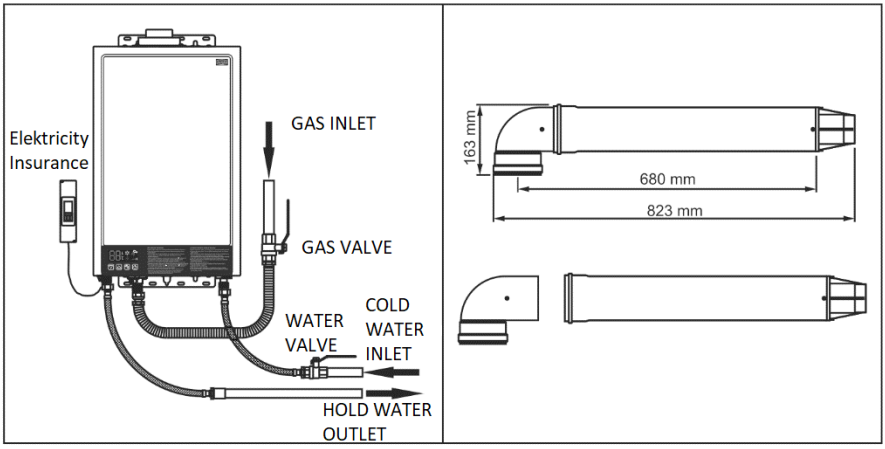
- Your water heater is a household device. In case of using industrial places, your device will unguaranteed

5.2. Wall Installation Of Water Heater

Drill at least two holes of appropriate diameter from the bottom and top of the device according to the measurements of the water heater mounting holes in the place selected in accordance with the above mentioned conditions. Fix the appropriate diameter fixing plug to the holes.

Drill 110 mm diameter waste gas pipe hole according to pipe dimensions given in the figure below. (Waste gas pipes are provided with water heater.) All drilling must be made before water heater install to wall. Precautions should be taken to prevent wastes entering the water heater that occur during drilling.

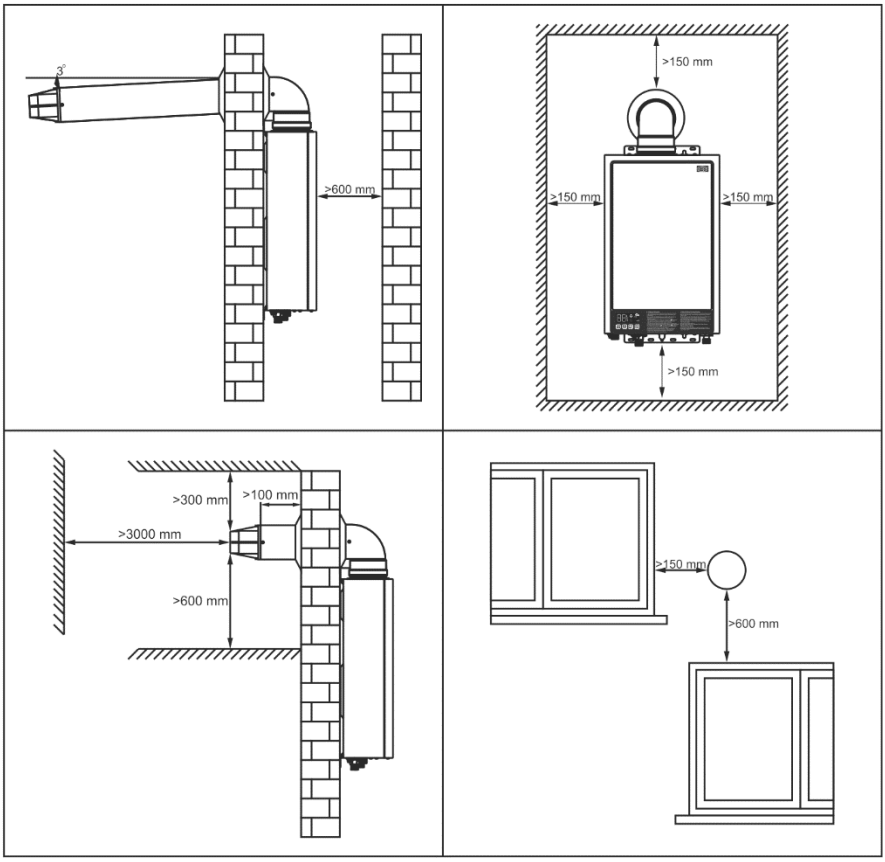
After drilling pipe hole, Screw the water heater from up and down to holes that you drill before. Screw more than point that is necessary.



5.2.1. Waste Gas Pipe Installation

Place the fresh air / discharge gas pipe as open side will be outside to hole which is drilled before. Install the bracket part as installing one edge is to heater pipe another edge is to discharge pipe.

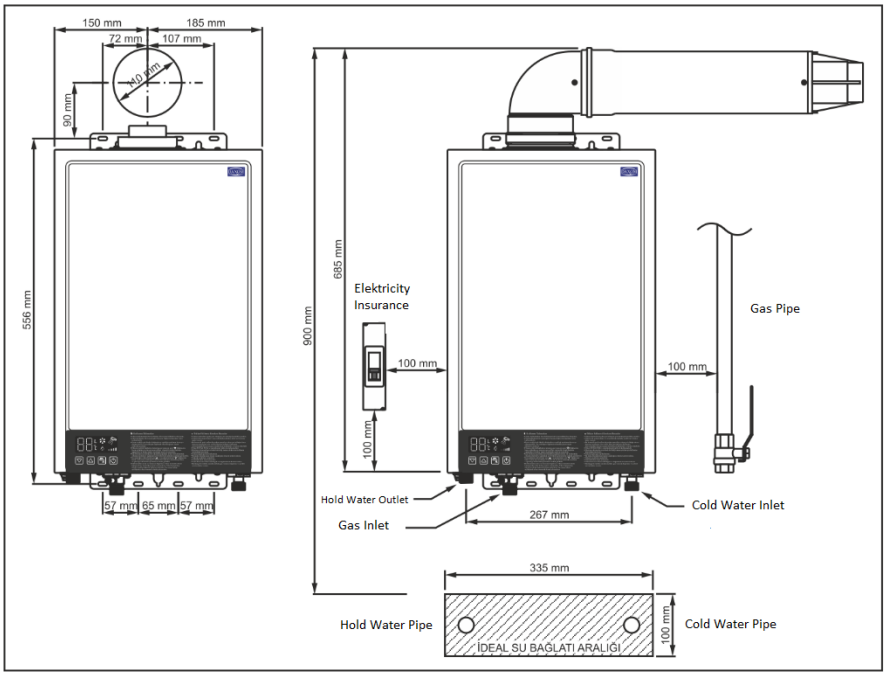
Fill the hole on the wall opened for discharge pipe with fire resistance material and insulate it. Make sure that insulation is done well and pipe will not fall down. While making device installation be carefull to avoid any accident.



5.2.2. Installation Of Water And Gas Connections

- There must absolutely be valve at water supply which will be connected to cold water inlet of heater.
- Silt trap has to be installed after valve for some installations which have probability entering dirt from water network to inside of heater.

- With ½ flexible pipe, connect cold water inlet of device to cold water supply network,hot water outlet to hot water supply network .Seal must be used for connections to prevent water leakage.
- Use absolutely TSE valve and flexible pipe for gas connection. Never use Teflon for connection.



6. WATER HEATER USAGE

6.1. Operation of Water Heater

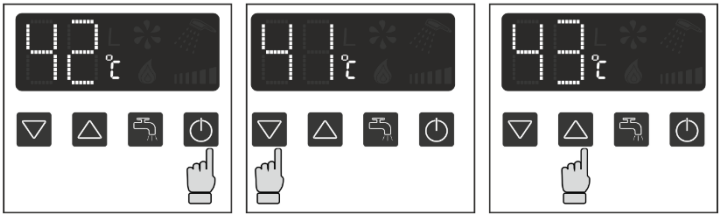
Be sure that, gas type which will be used is same with the one stated in the brand plate.

Follow following steps for operate of your heater.

- Turn On the water valve of water heater
- Open fuse of water heater (warning beep will be)
- . Open the gas valve
- Activate the heater by pressing button. (Temperature set value is seen at LCD Display)
- Set the water temperature between 35C and 55C by increasing with button and by decreasing with button.
- Turn On water tap.
- At the display of the heater it is respectively seen water flow sign , fan operation sign and in a few min water heating start sign and your water heater starts to heat water. Hot water flow time show a change according to distance between water heater and tap.

Although and signs are seen if device gives “E1”warning without operation, make sure that gas is coming into device and try operating procedures a few times however if it is not operated , apply to authorized service.

6.1.1. Control of Water Temperature



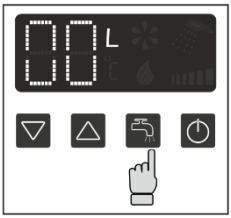
When it is pressed to button, set value is seen.

By pressing button you can increase temperature.

By pressing button you can decrease the temperature.

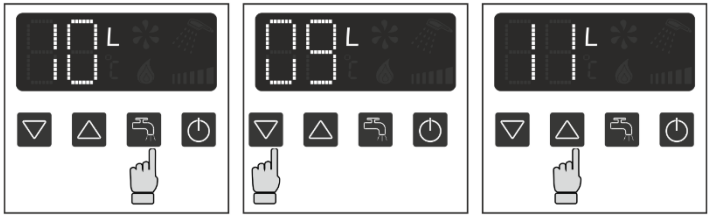
6.1.2. The Amount of Water Used In Liter

When it is pressed to button once , instant water flow is seen in terms of l/min.



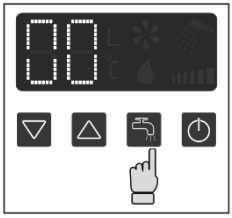
When it is pressed twice numerical values between 00 and 99 are appeared. With or buttons intended flow rate between 10 and 99 is set. When total flow rate passes from heater reaches to set value, warns with a beep.

For example: The meaning of number 03 is 30 liters, number 11 is 110 liters, number 99 is 990 liters. This function provides convenience to consumer while filling bathtub and Jacuzzi.



6.1.3. Determination of Quantity of Used Gas

When it is pressed third time, with numeric values between 05 and 34 you can see instant gas amount that device consumed. Values changing between 05 and 34 shows gas amount as l/h.



6.2. Turn Off Water Heater

When water is turned off device will automatically stop and will be at standby mode. Device does not operate until water tap is opened again. If the device will not use for a long time and no dangerous for freezing, turn off gas and water valve of device then bring fuse off position shut off the device.

6.3. The Precautions to be Taken

- Make sure the used gas type is the same with the one stated in the brand plate. The use of inappropriate type of gas may lead to accident.
- The repair of the water heater as unauthorized is dangerous and it may cause accidents.
- Unauthorized repairing or have repaired device to unauthorized person is dangerous and may cause to accidents.
- Make sure that there is sufficient space around water heater.
- Always take precautions against possible gas leakage and when the gas smell is felt, shut the gas valves off urgently, ventilate the environment by opening the door and the windows Never make a phone call inside the room, do not turn the lights on and off, do not plug anything to the electric plugs or unplug anything before the gas leaves out completely. Do not forget that any flame or a spark that may occur in such a case, will lead to fire or explosion.

- Check pipes and connections pipes regularly. If you suspect that there is gas leakage caused by pipe and connection pipes, consult to number 187 gas failure department of necessary gas company.
- If you suspect that there is gas leakage except pipe and pipe connections consult to your service agency.
- Make urgently change old or cracked pipes by authorized person after controlling gas pipes regularly.
- When unusual burning sound is heard in water, stop using the water heater and consult to our service agency.
- Please check water flow temperature with your hand before applying your body in case of burning.

6.4. For The Safe Use

- Check the newly mounted water heater carefully and make sure that it operates properly before using.
- Do not drink the water passing inside the water heater
- Take precautions for not blocking of heat exchanger because of specification of water such as (hard water). Blocking of water heater exchanger is out of warranty.
- If your pressure of installation is high, because of water quantity passing from water heater will be more, noise can occur at device and your installation can be damage. In such cases, absolutely you need to install pressure reduce valve to device inlet.
- If necessary precautions are not taken, situations which ambient temperature deduct under the 0 degree, water inside heater can give damage to your heater by freezing. It is possible to prevent this situation by doing following information.
  - With freezing prevention of your water even device inside temperature reduce under “0” degree, it can be prevented freezing of water which is inside the device. When ambient temperature decreases specific value, your water heater will heat water by automatically operating in short period and will prevent freezing. In the meantime, “AF” warning will be seen.

- . For operating of this system, gas and electric connection must not be cut off, LCD display must be ON. In other words, make sure that device is at “ON” position.
- Although the device has a freezing prevention system, the freezing prevention system will not operate in case of electric or gas cut off very short time in very cold and windy weather. The water inside the device should be discharged as a precaution.

- Never touch the waste gas pipe during using and after a short time of using (against skin burns)
- In case of failure of your water heater, do not panic and stop using the heater. Disconnect the gas and the electricity. Consult the service department or an authorized technician. Dirty water passing inside the water heater may negatively affect your device. To prevent this, a water filter must be absolutely installed to water inlet.
- Never leave electric supply and gas of water heater “ON” position when you leave the home.
- Never keep inflammable, explosive materials and objects near water heater.

7. REPAIR AND SERVICE

We have been providing service free of charge during the warranty period of the device for relevant parts and manufacturing defect. When you have a problem during using please contact our after sales service department. The unauthorized repair and the maintenance of the device will void its warranty cover. Our company will not be liable for the failures and the accidents that might occur later. After start-up of the device, if changes are made without knowledge of our authorized services, the device will be out of warranty.

8. MULFUNCTION

Warning Code	Cause	Solution
E0	➢ Water inlet NTC failure ➢ Electrical Connection Problem	➢ Call Authorised Service
E1	➢ No Gas ➢ Gas Valve problem or cable connection loose ➢ Flame Out ➢ Pipe Connection Failure ➢ Ionisation Failure	➢ Check if gas is coming to device or not. ➢ Change gas type or open gas valve ➢ Call Authorized Service
E4	➢ Fan Operation Failure ➢ Fan Connection Failure ➢ Main Control Board Failure	➢ Call Authorized Service
E5	➢ Water Outlet Temperature is power 85 C	➢ Call Authorized Service
E6	➢ Water Outlet Sensor Failure	➢ Call Authorized Service
AF	➢ Freezing Prevention is Active	➢ It is device protection not failure. Stop after device operates for a while. Do not turn off device. Check point 6.4

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PROBLEM / CAUSE	No Light on control pannel	No ignition at the device after valve is opened	Ignition with explosion	Smell	Abnormal ignition sound	Cold Water at Low Temperature	Flame does not go out although water valve is off.	No constant hot water	SOLUTION WAYS
No Energy	●								Check the electricity fuse
Gas valve is not ON		●							Turn on gas valve or perform gas load
Gas valve semi		●	●						Gas Turn on the gas valve completely
Air in the gas pipe		●							Turn on / Turn off until combustion occurs
Water pressure is not constant								●	Contact with installation company
Abnormal pressure		●	●		●				Call authorized service
Water valve is not turn on enough		●							Turn On water valve completely
Insufficient fresh air			●		●				Control device pipe
Windy weather			●		●				Do not use it until the wind passes
Freezing water		●							Use again after melting
In sufficient water pressure		●							Control water pressure
Power supply or device is not turn on		●							Turn On power supply
heater exchanger blockage					●				Call authorized service
Heat exchanger block		●						●	Call authorized service
Gas Valve Failure							●		Call authorized service
LCD Failure	●								Call authorized service
Water Control valve failure						●	●	●	Call authorized service
Ignition Pin not proper position					●				Call authorized service
Leakage in gas pipe or original pipe				●					Turn off main valve call the authorized service
Too many elbow installed			●		●				Choose appropriate mounting area

GARANTİ BELGESİ

DAXOM markalı ürünün, ilk çalıştırılmasının ISI CİHAZLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ'nin yetkili kıldığı DAXOM YETKİLİ SERVİS'leri tarafından yapılması, tüketicinin kullanma kılavuzunda gösterildiği şekilde kullanması ve DAXOM YETKİLİ SERVİS'leri dışındaki şahıslar tarafından bakım, onarım veya başka bir nedenle müdahale edilmemiş olması şartıyla bütün parçaları ile beraber tamamı malzeme, işçilik ve üretim hatalarına karşı ürünün teslim tarihinden itibaren 2 (İKİ) YIL süre ile firmamızın garantisi kapsamındadır.

Malın ayıplı olduğunun anlaşılması durumunda tüketici, 6502 sayılı Tüketicinin Korunması Hakkında Kanunun 11 inci maddesinde yer alan;

- Sözleşmeden dönme,
- Satış bedelinden indirim isteme,
- Ücretsiz onarılmasını isteme,
- Satılanın ayıpsız bir misli ile değiştirilmesini isteme,

haklarından birini kullanabilir.

Tüketicinin bu haklardan ücretsiz onarım hakkını seçmesi durumunda satıcı; işçilik masrafı, değiştirilen parça bedeli ya da başka herhangi bir ad altında hiçbir ücret talep etmeksizin malın onarımını yapmak veya yaptırmakla yükümlüdür. Tüketici ücretsiz onarım hakkını üretici veya ithalatçıya karşı da kullanabilir. Satıcı, üretici ve ithalatçı tüketicinin bu hakkını kullanmasından müteselsilen sorumludur.

Tüketicinin, ücretsiz onarım hakkını kullanması halinde malın;

- Garanti süresi içinde tekrar arızalanması,
- Tamiri için gereken azami sürenin aşılması,
- Tamirinin mümkün olmadığının, yetkili servislerimiz, satıcı, üretici veya ithalatçı tarafından bir raporla belirlenmesi,

durumlarında; tüketici malın bedel iadesini, ayıp oranında bedel indirimini veya imkân varsa malın ayıpsız misli ile değiştirilmesini satıcıdan talep edebilir. Satıcı, tüketicinin talebini reddedemez. Bu talebin yerine getirilmemesi durumunda satıcı, üretici ve ithalatçı müteselsilen sorumludur.

Malın tamir süresi 20 (YİRMİ) iş gününü geçemez (Ulusal, resmi, dini bayram günleri, yılbaşı, 1 Mayıs ve pazar günleri iş günü değildir). Bu süre, garanti süresi içerisinde mala ilişkin arızanın yetkili servis istasyonuna veya satıcıya bildirimi tarihinde, garanti süresi dışında ise malın yetkili servis istasyonuna teslim tarihinden itibaren başlar. Malın arızasının 10 (ON) iş günü içerisinde giderilememesi halinde, üretici veya ithalatçı; malın tamiri tamamlanıncaya kadar, benzer özelliklere sahip başka bir malı tüketicinin kullanımına tahsis etmek zorundadır. Malın garanti süresi içerisinde arızalanması durumunda, tamirde geçen süre garanti süresine eklenir.

Arızanın giderilmesi konusunda uygulanacak teknik yöntemlerin tespiti ile değiştirilecek parçaların saptanması tamamen firmamıza aittir. Arızanın giderilmesi ürünün bulunduğu yerde veya yetkili servis atölyelerinde yapılabilir. Tüketicinin buna onayı şarttır.

Malın kullanma kılavuzunda yer alan hususlara aykırı kullanılmasından kaynaklanan arızalar ve arka sayfada belirtilen hususlar garanti kapsamı dışındadır.

Tüketici, garantiden doğan haklarının kullanılması ile ilgili olarak çıkabilecek uyuşmazlıklarda yerleşim yerinin bulunduğu veya tüketici işleminin yapıldığı yerdeki Tüketici Hakem Heyetine veya Tüketici Mahkemesine başvurabilir.

Satıcı tarafından bu Garanti Belgesinin verilmemesi durumunda, tüketici Gümrük ve Ticaret Bakanlığı Tüketicinin Korunması ve Piyasa Gözetimi Genel Müdürlüğüne başvurabilir.

GARANTİ İLE İLGİLİ OLARAK TÜKETİCİNİN DİKKAT ETMESİ GEREKEN HUSUSLAR

ISI CİHAZLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ tarafından verilen bu garanti, ürünün kullanma kılavuzunda belirtilen hususlara uyularak kullanılması durumunda geçerlidir. Aşağıda belirtilen durumlar garanti dışı olup, arızanın giderilmesi ücret karşılığı yapılır.

- İlk çalıştırmasının DAXOM YETKİLİ SERVİS'i tarafından yapılmamış ürünlerde oluşan hasar ve arızalar,
- Ürünün kullanma kılavuzunda yer alan hususlara ve amacına aykırı, normalin ışında kullanılmasından dolayı meydana gelen hasar ve arızalar,
- Yasal garanti süresinin dolmasından sonra meydana gelen arızalar,
- Cihazın üzerinde bulunan etiketin veya garanti belgesinin tahrif edilmesi,
- Tüketicinin yapmış olduğu hatalı tip, model veya kapasite seçiminden kaynaklanan hasar ve arızalar,
- DAXOM YETKİLİ SERVİSLERİ dışındaki kişiler tarafından yapılan ayar, bakım ve onarımlar nedeni ile oluşan hasar ve arızalar,
- Hatalı yakıt kullanılması ve yakıt özelliklerinden kaynaklanan hasar ve arızalar,
- Diğer cihazların ilişkili kullanımda yol açtığı arızalar,
- Ürünün tesliminden sonra nakliye, boşaltma, yükleme, depolama, harici fiziki (çarpma, çizme, kırma) ve kimyevi etkenlerle meydana gelen hasar ve arızalar,
- Sel,yangın, deprem, yıldırım düşmesi vb. doğal afetlerin sebep olduğu hasar ve arızalar,
- Üründe oluşacak elektrostatik hasarlar,
- Voltaj düşüklüğü veya fazlalığı, topraksız priz kullanılması, hatalı elektrik tesisatından meydana gelen hasar ve arızalar,
- Ürünün kullanım kılavuzunda tanımlanmış olan su değerlerinin dışında su ile kullanılmasından doğan hasar ve arızalar,
- DAXOM YETKİLİ SERVİSLERİ'ne yaptırılacak yıllık bakım ve temizlikler,
- Ürünün donması veya atmosfere açık (açık balkon vb.) mekânlarda kullanım nedeniyle meydana gelen hasar ve arızalar,
- Ürünün tozlu, rutubetli veya aşırı sıcak ortamlarda kullanılmasından doğan hasar ve arızalar
- Tarif edilen periyodik bakım işlemlerinin zamanında yapılmamasından kaynaklanan hasar ve arızalar,
- Garanti konusu cihazla birlikte bir sistem içinde kullanılan başka ürün ve aksesuarlardan dolayı cihazda veya kullanım alanında meydana gelebilecek hasar ve arızalar.

Garanti, bu belgenin diğer yüzünde belirtilen süre içinde ve yalnızca üründe meydana gelecek arızalar için geçerlidir. Bunun dışında herhangi bir isimle hak ve tazminat talep edilemez.

Uyulması Gereken Öneri ve Bilgiler:

- Ürününüzü aldığınızda garanti belgesini yetkili satıcınıza onaylattırınız ve cihazın ilk çalıştırmasının mutlaka DAXOM YETKİLİ SERVİS' i tarafından yapılmasını sağlayınız.
- Ürününüz ile ilgili hizmet talebiniz olduğunda DAXOM YETKİLİ SERVİS' lerini arayınız.
- Ürününüzü montaj ve kullanım kılavuzu esaslarına göre kullanınız.
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GARANTİ BELGESİ

İMALATÇI / İTHALATÇI FİRMANIN

Ünvanı : ISI CİHAZLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ
Adresi : Namık Kemal Mah. Marmara Cad. No:74
34762 Ümraniye/İSTANBUL
Tel : (0216) 360 71 21-22 / 369 85 36-37
Fax : (0216) 360 71 25 / 385 95 45
Web : www.daxom.com
Kaşe / İmza :

ISI CİHAZLARI
SAN. ve TİC. LTD. ŞTİ.
Namık Kemal Mah. Marmara Cad. No:74
Ümraniye/İSTANBUL
Tel:(216) 369 85 36 Fax:(216) 385 95 45
Ümraniye V.Dairesi: 465 043 5613
Ticaret Sicil No: 529811

ÜRÜNÜN

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YETKİLİ SERVİSİN

Ünvanı : .....
Adresi : .....
Telefon/Fax : .....
İlk Çalıştırma Tarihi : .....
Kaşe / İmza :

Isı Cihazları Sanayi ve Ticaret Limited Şirketi
Namık Kemal Mah. Marmara Cad. No:74
Ümraniye – İstanbul
Tel. : +90 216 369 85 36-37
Fax : +90 216 385 95 45
E-Mail : info@daxom.com

Merkez Servis :
Namık Kemal Mah. Marmara Cad. No:74
Ümraniye - İstanbul
Tel. : +90 216 360 71 21-22
Fax : +90 216 360 72 25

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