



OPERATING MANUAL

DUCT FANS





TECHNICAL SPECIFICATIONS

The values declared in the markings on the product or in other printed documents provided with the product are values obtained in a laboratory environment according to the relevant standards. These values may vary depending on the usage and environmental conditions of the product.

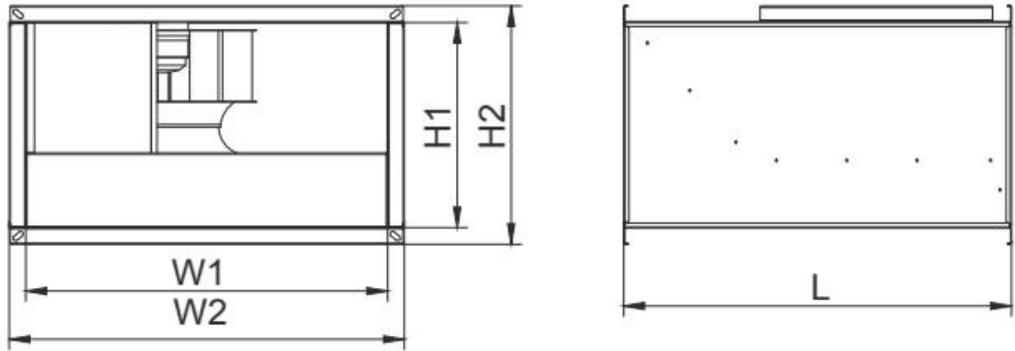
	Drt-50*25	Drt-60*35	Drt-70*40	Drt-70*40L	Drt-80*50	Drt-100*50
VOLTAGE (V)	230	230	230	230	380	380
FREQUENCY (Hz)	50	50	50	50	50	50
POWER (W)	180	147	620	690	1080	1670
CURRENT(A)	0,8	0,66	2,6	3	2,5	3
AIR FLOW (m ³ /h)	1530	3375	4410	5800	7500	9500
SPEED (rpm)	2635	1440	1430	1435	1350	1350
SOUND PRESSURE LEVEL (dB) A 3m	56	58	60	62	64	66
WEIGHT (KG)	17	35	45	45	66	84

	Dt 150	Dt 200	Dt 250	Dt 315
VOLTAGE (V)	230	230	230	230
FREQUENCY (Hz)	50	50	50	50
POWER (W)	85	122	145	210
CURRENT(A)	0,38	0,55	0,63	1,1
AIR FLOW (m ³ /h)	420	840	1120	1750
SPEED (rpm)	2425	2550	2635	2660
WEIGHT (kg)	4,8	5	5,5	6,9
SOUND PRESSURE LEVEL (db A) 3m	55	56	57	65



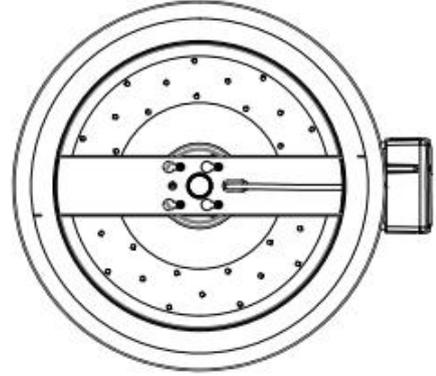
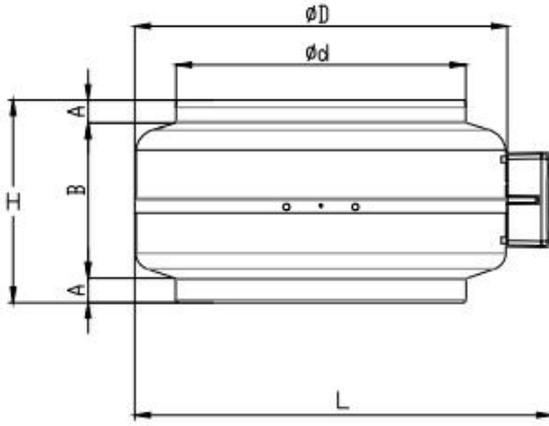
SAFETY WARNINGS

- These fans contain rotating parts and necessary electrical connections, so pay attention to the safety warnings during installation, maintenance and operation.
- This device is not intended to be used by people with physical, sensory and mental disabilities (including children) or lack of experience and knowledge, unless the device is supervised and managed by a person responsible for the safety of the devices.
 - Children must be supervised to ensure that they do not play with the device.
 - Electrical connections and installation must be made by qualified persons.
 - The product must have its own air duct.
 - Hands must be protected against cuts with gloves during transportation, operation and maintenance.
 - No contact should be made while the fan is operating.
 - Cleaning must be done periodically, otherwise the product may be damaged.
 - Keep the fan away from children and do not allow unqualified persons to use it.
 - Do not use the product at ambient temperatures above 40°C.
 - The products manufactured by our company do not contain mercury, pcb (polychlorinated biphenyl) asbestos substances that are harmful to human health.
 - If the power cord is damaged, this cord must be replaced by the manufacturer or its service agent or an equally qualified personnel in order to prevent a dangerous situation.
 - This device can be used by children aged 8 and over and by people with physical, sensory or mental disabilities or lack of experience and knowledge if they have been given supervision or instruction regarding its safe use and if they understand the risks it contains.
 - Children should not play with the device.
 - Cleaning and user maintenance should not be performed by children without supervision.



DIMENSIONS

MODEL	H1	H2	W1	W2	L
DRt-50*25	250	300	500	550	565
DRt-60*35	300	350	600	650	650
DRt-70*40	400	450	700	750	800
DRt-70*40L	400	450	800	850	800
DRt-80*50	500	560	800	850	920
DRt-100*50	500	560	1000	1060	1050

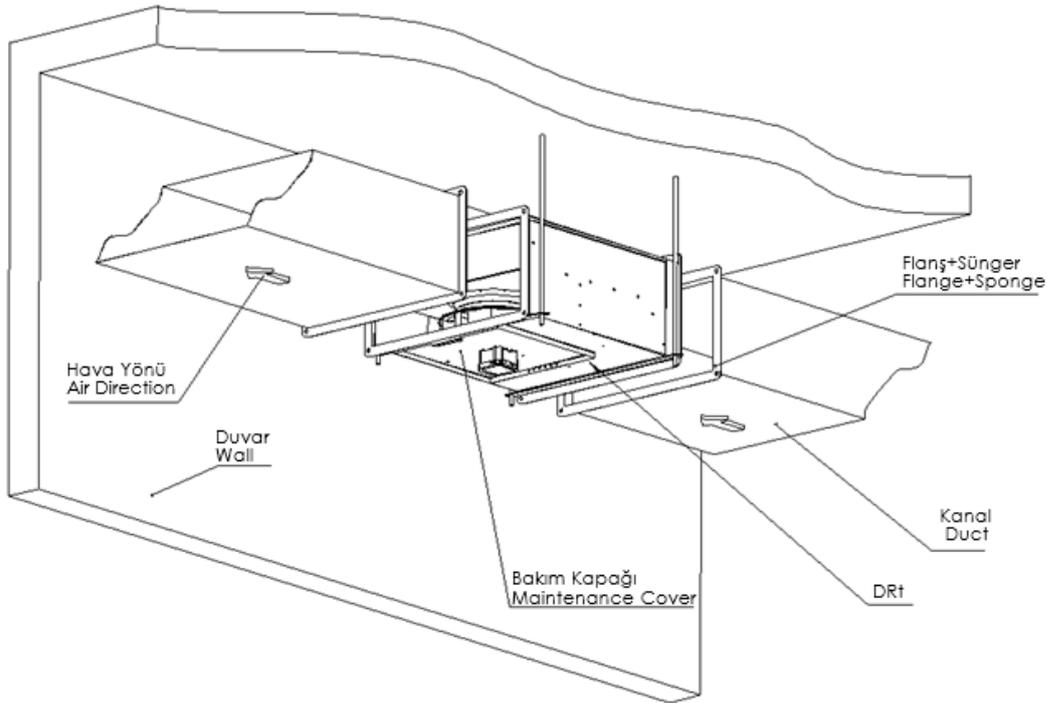


DIMENSIONS

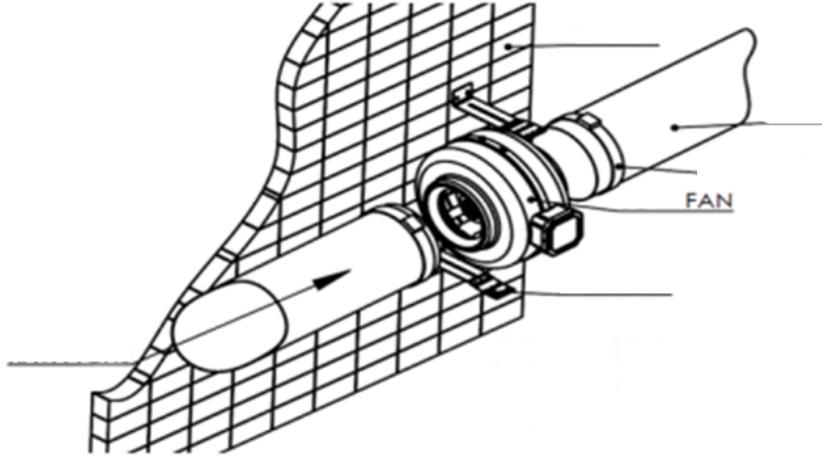
MODEL	øD	ød	A	B	H	L
Dt-150	272	147	23	146	192	282
Dt-200	330	196	30	170	230	340
Dt-250	330	247	30	167	227	340
Dt-315		313	30	168	285	410

MOUNTING DIAGRAM

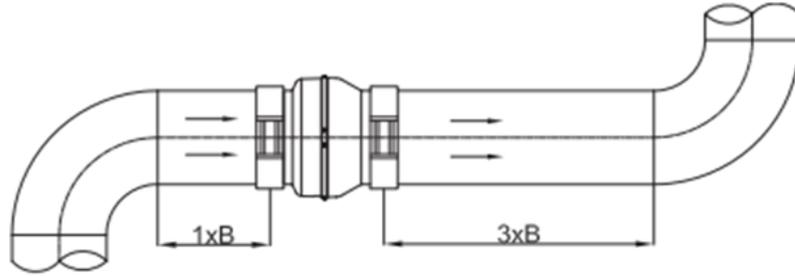
- For device installation, make a flange suitable for the product mouth holes and distances.
- Put insulation material between the product and the device.
- Mount the product to the device using bolts and nuts.
- Connect the product to the channel equivalent to the mouth area as shown in the figure
- Make sure you connect the power cable correctly by looking at the power diagram. Connect all poles of the device with a separating circuit breaker.
- Make sure you install it according to the air direction.
- Perform a test run on the fan, check if there is any vibration or error in the product.



ASSEMBL



Brackets: Brackets assembly make by other two assembly screws rip Brackets are suitable for to turn 180 degree. It on be easily assemble to ground and plajfond.



- 1- Wall mounting holes and the distance to the wall in accordance with feet pierced and insert the dowel.
- 2- Combine the product with the mounting legs.
- 3- Leg items available wall mounting.
- 4- As shown in connect the product to the ducts with the clamps.
- 5- Be sure to connect the power cord to the correct wiring diagram.
- 6- Make sure you have the appropriate air direction.
- 7- Trial the operation of the product, check for vibration and error.

CONNECTION DIAGRAM

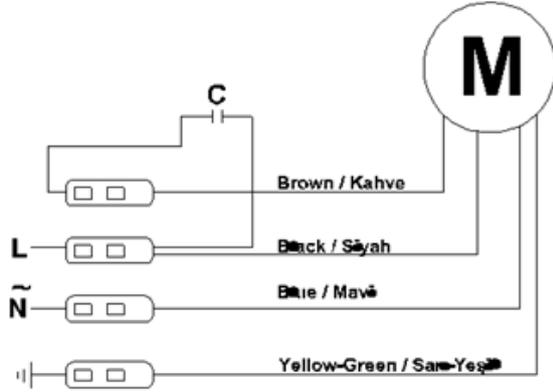


Diagram 1

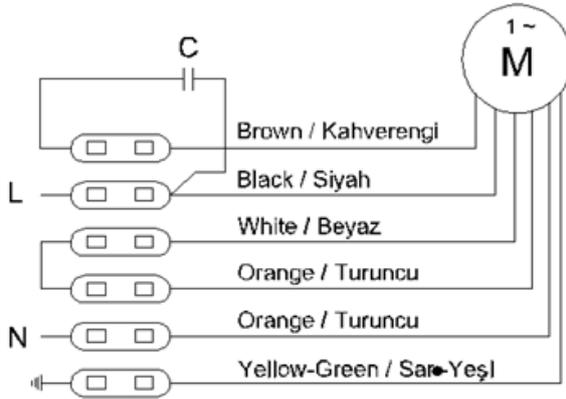


Diagram 2

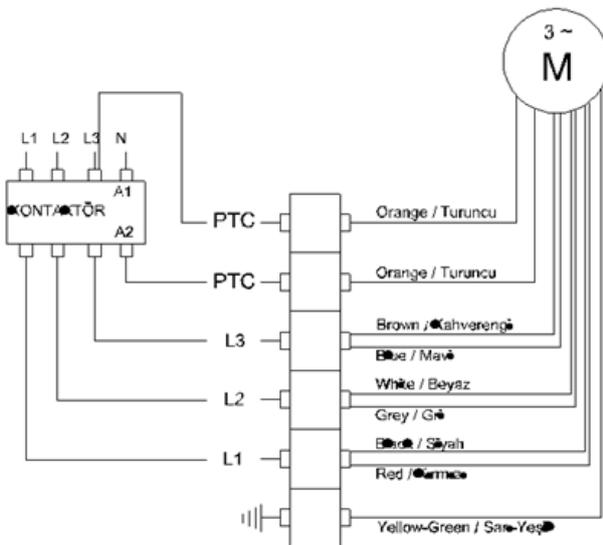


Diagram 3



- Products should only be installed by authorized persons
- The product to be installed should be mounted firmly on the wall or floor at the location specified in the project. If it is to be mounted on the wall, it is mounted with clamps or mounting brackets.
- The fan blades should be mounted 2.3m above the floor
- Fans cannot be mounted outside the window or wall.
- Precautions should be taken to avoid the backflow of gases into the room from open gas pipes or other fuel-burning devices. It is recommended to wear gloves during the installation of the products
- The inputs and outputs of the products should be used by connecting them to the duct
- Definitely cut off the electricity from the source before connecting the electrical cables
- When installing the apparatus, make sure that all connections are made correctly and that the mounting elements have the strength to carry the weight of the product.
- Even if the product is turned off, make sure that the main power supply is off when connecting the devices
- Before installation, make sure that the electrical connection information (voltage, power, frequency, etc.) specified on the product matches the installation location
- There should be no obstacles in the air flow path
- For safety reasons, the grounding terminal on the terminal must definitely be connected to the building grounding line
- Make sure that the motor thermal and overload relay are connected properly
- If the thermal circuit opens in case of any problem (when the product does not work), the system should be reset from the network and re-activated
- The product cable connection should be as in the electrical connection diagram.
- It should be connected to the fixed installation in accordance with the installation rules with a switch that has contact separation in all poles.



USAGE

DRT series duct type radial fans; are the most ideal fans for ducted ventilation systems where high air flow and high pressure are required. They can be mounted directly to air ducts in any position required. Rectangular Duct Fans have reached widespread use worldwide due to the great advantages they bring. Cvsair DRT rectangular duct fans are designed to meet medium and high volume ventilation needs in duct systems where the application area is limited. BDKF duct fans have high performance and trouble-free operation features. Thanks to their compact structure, they can be directly connected to the duct without the need for large elbows and converters. They can be used in industrial and construction applications, factories, kitchens, bathrooms, toilets, swimming pools, gyms, warehouses, hospitals, hoods, offices, laboratories, shopping malls, restaurants, theaters, apartments, equipment cooling, work areas and space ventilation, etc.

Users are obliged to read the operating and maintenance manual carefully before using duct fans.

Service life is 10 years



When starting your product for the first time;

- Before connecting the electrical cables, be sure to disconnect the electricity from the source. Make sure that the electrical connections of the product are made safely and correctly
- Make sure that the safety equipment is properly connected
- Make the grounding connections properly.
- Ensure that the cable and electrical connection box are closed correctly and watertight.
- The air outlet direction should be in the direction indicated by the label on the body.
- There should be no obstacle in the air flow path.
- The wings should rotate in the correct direction.
- There should be no vibration during operation of the product, and there should be no internal friction and impact noise caused by the rotation of the fan or aspirator.
- The electrical source, current and frequency values should be in accordance with the product label.
- In the event of any electrical safety device burning, the electrical connection should be disconnected from the main source immediately. Before starting the product, the entire installation should be carefully checked again.

If you encounter any problems, notify authorized persons

When you start using the product continuously, the type of failure should be determined in the event of any failure. In order to fix the fault, you must contact the technical service. Never attempt to intervene yourself.



FAULTS AND TROUBLESHOOTING

EXCESSIVE NOISE	ROTOR UNBALANCE	REPLACE ROTOR
DEVICE DOES NOT WORK	MOTOR DAMAGED	REPLACE MOTOR
	CAPACITOR DOES NOT WORK	CHANGE CAPACITOR
	INCORRECT SPEED CONTROL CONNECTION	CHECK INSTALLATION
DEVICE IS SPINNING SLOWLY	INCORRECT CONNECTION	CHECK ELECTRICAL CONNECTION

CLEANING, MAINTENANCE AND TRANSPORTATION

To prevent damage to the product during transportation;

- The product is packaged in accordance with normal transportation conditions. It should always be carried in its original packaging to avoid any damage or injury.
- The product should be stored in its own packaging in a vibration-free, dust-free, abrasive or chemically unexposed place until it reaches the place where it will be installed. Do not accept products that are not in their original packaging or that you detect have been opened before they reach you.

It should be stacked in a way that it will remain completely motionless in the vehicle against any tipping or falling,

- Use suitable lifters that will protect the product or the people carrying it from harm during the transportation of heavy products.

All necessary precautions should be taken to prevent damages that may arise from careless, rapid lifting and lowering

- Products should be carried one by one, holding them tightly and carefully. Avoid throwing or throwing from hand to hand.

After the product is removed from its packaging;

The accuracy of the delivered product should be checked.

- Check for damage during transportation. If there is a missing or damaged part, your carrier and our company should be informed immediately verbally and in writing.
- Do not lift the product by holding the connection box or electrical cables. Avoid any practices that will damage the wings or protective cage during transportation.



Periodic maintenance and cleaning of the product;

- Even if the product is turned off before cleaning or maintenance, make sure that the electrical connection is disconnected from the main source.
- All electrical equipment should be checked regularly, connections should be reviewed and damaged or worn cables and equipment should be replaced.
- Periodic maintenance should be done at least every six months or more frequently depending on the frequency of use. Maintenance and cleaning of the product should be done by qualified personnel.
- Check the product regularly. In order to prevent dirt or deposits on the blade, motor and grill, perform maintenance by taking into account the operating conditions of the product. Otherwise, the operating life of your product may be seriously shortened or may cause danger
- When cleaning the product, be careful to maintain the balance in the blade and turbine.
- The tightness of bolts that may loosen during maintenance should be checked.
- If there are parts that are not in proper condition, they should be replaced immediately.
- Flammable and flammable cleaners should not be used in product cleaning, it should be cleaned by wiping with a damp cloth.
- Water or pressurized water should never be applied directly to the product



WARRANTY AND SERVICE

We kindly ask you to follow the suggestions below.

1. Have the Warranty Certificate approved by your Authorized Dealer when you receive your product.
2. Use your product according to the principles of the user manual

This warranty provided by Cvsair does not cover the elimination of malfunctions that may arise from the use of the product outside of normal, and is out of warranty in the following cases.

1. Damages and malfunctions caused by usage errors,
2. Damages and malfunctions that occur during loading, unloading and transportation after the delivery of the product to the customer,
3. Damages and malfunctions that may occur due to voltage drops or excesses, faulty electrical installations, using a voltage different from the voltage written on the product label,
4. Damages and malfunctions that may occur due to fire, earthquake and lightning strike, etc.,
5. Malfunctions that occur due to the use of the product contrary to the issues in the user manuals.