



Dünyanın Havaasını Değıştiren Marka!  
For a Breath of Fresh Air!

# USER'S MANUAL & CERTIFICATE OF WARRANTY

## BSM/BST

250-2K  
250  
300  
350  
400

450  
500  
550  
600



AC INDUSTRIAL AXIAL FAN

Products with BVN brand are manufactured in production facilities with  
ISO 9001: 2008 Quality Management System certificate.



**MANUFACTURER'S / IMPORTER'S**

NAME	BAHÇIVAN ELEKTRİK MOTOR SAN. TİC. LTD.ŞTİ.
ADDRESS	Hadımköy Ömerli Mahallesi İstanbul Cad. No:147 Arnavutköy/İSTANBUL
PHONE / FAX	0212 771 48 48 / 0212 771 48 42
COMPANY REPRESENTATIVE'S SIGNATURE/SEAL	

**PRODUCT'S**

TYPE	FAN
BRAND	BVN
MODEL	BSM/BST
LABEL AND SERIAL NO	
DELIVERY DATE&PLACE	
MAX.REPAIR PERIOD	20 WORK-DAY
WARRANTY PERIOD	2 YEARS

**SELLER'S**

NAME	
ADDRESS	
PHONE / FAX	
INVOICE DATE&NUMBER	
DATE/SIGNATURE/SEAL	

**MÜŞTERİNİN**

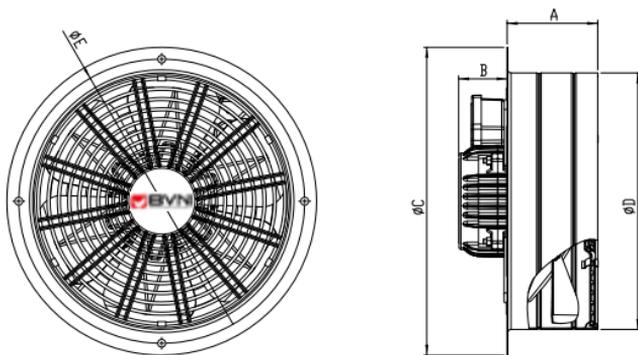
ADI SOYADI	
ADRESİ	
TELEFONU	

## SAFETY WARNINGS

- These fans contain rotating parts and electrical connections. Therefore, pay attention to safety warnings during their assembly, maintenance and operation.
- Electrical connections and assembly must be made by authorized persons.
- Electrical connections of the fan should not be damaged when the ceiling or the wall is drilled or broken.
- The product must have an air duct of its own.
- During transport, operation and maintenance, hands should be protected with gloves against cuts.
- The fan should in no way be touched while operating.
- Proper cleaning should be done with periodic intervals; otherwise the product might be harmed.
- Keep the fan away from children and do not let unauthorized people to use it.
- Do not use do product at ambient temperature over 40°C.
- Our company manufactures products that are harmful to human health, mercury, PCBs (poliklorürlobifenil), does not contain asbestos materials.

## TECHNICAL FEATURES

IP44 I. CLASS CLASS B

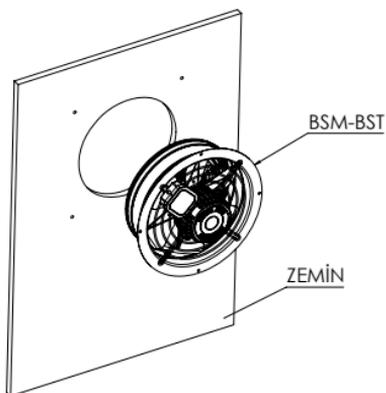


TYPE	A	B	C	D	E
BSM 250-2K / BST 250-2K	114	61	304	251	277
BSM 250 / BST 250	114	61	304	251	277
BSM 300 / BST 300	114	61	390	325	360
BSM 350 / BST 350	114	61	435	374	405
BSM 400 / BST 400	114	61	485	427	455
BSM 450 / BST 450	114	61	546	470	516
BSM 500 / BST 500	125	61	590	518	560
BSM 550 / BST 550	130	160	624	560	595
BSM 600 / BST 600	130	160	674	610	645

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND LEVEL	WEIGHT
	V	Hz	W	A	(uf)	d/d	m <sup>3</sup> /h	dB(A)	kg
BSM / BST 250-2K	230/380	50	198	0,87	8 / -	2900	2200	70	7,4
BSM / BST 250	230/380	50	65/170	0,4/1,08	3 / -	1475	1200	52	7,4
BSM / BST 300	230/380	50	210	1,2	8 / -	1400	2000	60	8
BSM / BST 350	230/380	50	200	1,1	8 / -	1400	3250	58	8,2
BSM / BST 400	230/380	50	230	1,2	8 / -	1420	4500	65	8,8
BSM / BST 450	230/380	50	200	1,1	6 / -	1430	5000	65	10
BSM / BST 500	230/380	50	245	1,2	8 / -	1335	5500	70	11
BSM / BST 550	230/380	50	240	1	10 / -	1350	6000	60	14,6
BSM / BST 600	230/380	50	235	1	10 / -	1370	8000	65	15,6

Products supplied on the markings or accompanying other printed documents according to the standards of the declared value obtained in the laboratory values. These values may depending on operational and environmental conditions of the product.

## ASSEMBLY

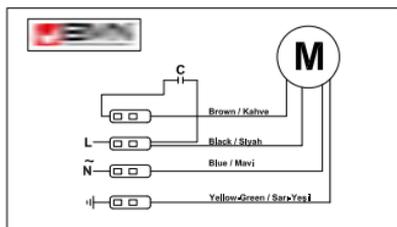


- 1 Drill holes and dowels for the case sizes and distances for assembly.
- 2 Connect the power cord, make sure that the correct wiring diagram looking.
- 3 Device mounted on an all-pole circuit breaker, connect the splitter.
- 4 Be sure to install the product according to right air direction.
- 5 Perform a trial run for fan, check whether vibration and error of the product.

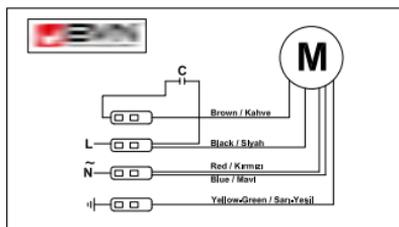
## CONNECTION

### SINGLE-PHASE CONNECTION

- Connection will be according to Scheme 2.1 for BSM 250 , BSM 300, BSM 350, BSM 400 and BSM 450.
- Connection will be according to Scheme 2.2 for BSM 500, BSM 550 and BSM 600.

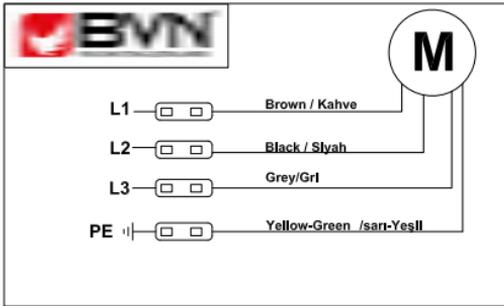


Scheme 2.1



Scheme 2.2

## THREE-PHASE CONNECTION



- Connection will be according to Scheme 2.3 for BST (Three-Phase)

Scheme 2.3

- Products should be installed only by authorized persons.
- Installation of the product to be specified in the Project location to the wall or floor must be securely mounted. If mounted on the wall, it should be mounted with bracket or with clamps.
- Fan blades to be above 2,3 m from the floor must be installed.
- Fan can not be installed outside the window or wall.
- Open the gas pipe or the fuel-burning devices inside of the room to avoid the flux of gas is necessary to take pre-measures.  
It is recommended that gloves be worn in the assembly of products.
- The product must be connected to input and output channels.
- Electrical cords definitely turn off the power before connecting.
- When mounting brackets and mounts all the connections are made correctly to carry the weight of the product, make sure you have the strength.
- Even if the product off the main power supply is switched off when connecting equipments make sure that.
- Before mounting the electrical connection indicated on the product information (voltage, power, frequency, etc..) In the place of assembly are in keeping with that note.
- There is no obstruction on the air flow way.
- Intermittent safety ground terminal located on the terminal must be connected to earth certainly building.
- Motor thermal and overload relay make sure they are connected properly.
- If the thermal opens circuit during any problems (while the product is not working) it must be reset from the system network and activated again.
- Product wiring, electrical connections must be as in the diagram.
- Contact separation in all poles along with a switch that must be connected to fixed wiring installations in accordance with the rules.