



EKİN ENDÜSTRİYEL

**MIT BLOWERS
PRODUCT CATALOGUE**

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EKIN ENDÜSTRİYEL
Isıtma-Soğutma San. Tic. Ltd. Şti.





Sustainable Innovation, Quality Standardization and Dynamism

Ekin Endüstriyel, which has entered Turkish heating sector by exporting of plated heat exchangers, is known with customer focused vision and dynamism. Ekin has expanded into new and upcoming investments. One of the main steps was gaining the identity of being a producer. Ekin has started the production of plate heat exchangers with the brand of "MIT". We have grown in the philosophy of quality, through initially adapting to ISO Quality Management.

MIT plate heat exchangers have become a solution for engineering problems in the world market and have grown through an expansion of franchises.

Engineering Approaches, Integrated Solutions

Ekin has expanded into the production of components, sales, and after-sales service by employing expert engineers. The factors that guided Ekin to success are their exceptional customer service to the needs and wants of consumers, modern facilities, and becoming partners to projects that involve high-end technology.

Ekin is an expert company which has a wide product range which includes plate heat exchangers, accumulation tanks, water heater tanks, installation, and its service group and submit competitive advantages to mechanical installation sector in Turkey and all around the world.



APPLICATION FIELDS



HEAT TRANSFER PRODUCTS

- Gasketed Plate Heat Exchangers • Brazed Heat Exchangers • Shell&Tube Heat Exchangers • Air Fan Oil Cooler • Economizers • Coils and Radiators



PRESSURE VESSELS

- Water Heater Tanks • Water Storage Tanks • Buffer Tanks • Expansion Tanks • Stainless Steel Process Tanks • Balance Tanks / Dirt Separators / Air Separators • Pressured Air Tanks • Neutralization Tanks • Air Tubes • Steel IBC Tanks with ADR



COMPLETE SYSTEMS UNITS

- Heat Stations • Steam Package Systems • Special Designed Systems • Dosing Systems • Substations • Thermoregulators



FOOD GRADE SYSTEMS

- Pasteurizers with plate heat exchangers • Hygienic Pasteurizers with Shell & Tube Heat Exchangers • Cheese and whey Systems • UHT – Sterilization Systems • CIP Systems • Hygienic Storage and Process Tanks • Homogenizers • Standartization Systems • Evaporators • Turn-key Projects



FLUID TRANSFER PRODUCTS

- Lobe Pumps • Hygienic Centrifuge Pumps • Turbo / Roots / Centrifuge Blowers • Drum Pumps • Acid Pumps • Dosing Pumps • Monopumps • Air operated Double Diaphragm Pumps (AODD)



VALVES

- Thermoplastic Valves • Plastomatic Valves



ENERGY SYSTEMS

- Solar Collectors • Water Heater Tanks for Solar

Contents

1

Mit Blowers





MIT BLOWERS

Blowers are installation equipment that provides the transfer of air in the emitted environment at high or low pressure and rotates the fan with the force received from the motor.

The fan in the blowers rotates by vacuuming the air in the suction section, the air trapped inside is then pushed towards the outlet side. Blowers are often used to move air.

MIT branded blowers offer the most reliable service for your application areas in terms of size, performance and technology.



WHY SHOULD I USE MIT BLOWERS?



MIT centrifugal blowers have a maintenance-free, highly efficient fan, electric motor and various mounting (horizontal and vertical) shapes.

They provide high pressure and vacuum. Can produce oil-free air. Easy to install and maintenance-free AC motor.

ADVANTAGES OF MIT CENTRIFUGAL BLOWERS

MIT branded blowers are designed to provide the best service to our valued customers with our expert engineer staff. We offer you the most efficient blower with the advantage of MIT brand below.

- It provides a maximum flow rate of 2500 m³/ h.
- Creates a maximum pressure of 570 mbar.
- High temperature operation (maximum: 70-80 °C).
- Provides a quiet working environment (50-85 dBA).
- Environment-friendly thanks to the lack of oil-free operation and no pollution level.
- Vibration is minimized with dynamic balance adjustment.
- Easy installation. Suitable for horizontal and vertical installation.
- Swedish SKF or Japanese NSK bearings are used, ensuring efficient and long-lasting use.
- Provides trouble-free operation for 3-5 years under normal conditions.

THE TYPES OF BLOWERS

Single Stage Blowers

Single-stage blowers are available in a range of 55-1050 m³/h flow rates, 0-460 mbar pressures and 0.25 to 5.5 kW range of motor power.

Double Stage Blowers

Double-stage blowers are available in a range of 88-2050 m³/h flow rates, 0-570 mbar pressures and 0,7-25 kw.



HOW TO SELECT A BLOWER?

The most important information needed for blower selection (for air) is listed as follows.

- Air flow rate required (m³/h, Nm³/h).
- The positive pressure of the blower to be used for air transfer (such as mbar, bar, mSS).
- Vacuum value of the blower to be used for vacuum (mbar, bar, etc.).
- Ambient temperature.





PERFORMANCE TABLE

Each blower has different operating values depending on the motor power.

Model							Δp mBar		0	50	100	150	200	250	300	350	400	450	500	550
	Electric Motor (kW)	Outlet Line	Weight (kg)	Stage	Max. Vacuum mBar	Max. Pressure mBar	Flow Rate (m³/h)													
B1TT-102	0,25	1"	7	Single	-100	100	55	25												
B2TT-104	0,40	1 1/4"	11	Single	-120	130	80	50	28											
B2CC-207	0,7	1 1/4"	14	Double	-210	240	88	68	54	41	30									
B3TT-105	0,55	1 1/4"	12	Single	-120	130	100	77	50											
B3TT-107	0,7	1 1/4"	13	Single	-150	170	100	77	50	20										
B4TT-107	0,7	1 1/2"	14	Single	-120	120	145	111	80											
B4TT-108	0,85	1 1/2"	15	Single	-160	160	145	111	80	55										
B4TT-113	1,3	1 1/2"	16	Single	-170	200	145	111	80	55	30									
B4CC-216	1,6	1 1/2"	24	Double	-280	280	150	135	120	105	93	78								
B4CC-222	2,2	1 1/2"	27	Double	-330	440	150	135	120	105	93	78	64	50	35					
B5TT-116	1,6	2"	21	Single	-200	190	210	178	145	110										
B5TT-122	2,2	2"	25	Single	-220	270	210	178	145	110	87	58								
B5CC-230	3,0	2"	39	Double	-340	410	230	205	182	167	148	130	115	100	88					
B5CC-240	4,0	2"	43	Double	-390	490	230	205	182	167	148	130	115	100	88	60				
B6TT-122	2,2	2"	27	Single	-230	250	270	240	200	160	118									
B6TT-130	3,0	2"	32	Single	-270	310	270	240	200	160	118	78								
B7TT-122	2,2	2"	29	Single	-210	200	318	278	238	200										
B7TT-130	3,0	2"	34	Single	-270	290	318	278	238	200	170	140								
B7TT-140	4,0	2"	42	Single	-290	330	318	278	238	200	170	140	110	75						
B7TC-130	3,0	2"	43	Single	-220	220	420	355	295	244	200									
B7TC-140	4,0	2"	43	Single	-260	310	420	355	295	244	200	160	120							
B7CC-222	2,2	2"	42	Double	-220	210	320	300	282	264	250									
B7CC-230	3,0	2"	47	Double	-280	260	320	300	282	264	250	235								
B7CC-243	4,3	2"	53	Double	-360	380	320	300	282	264	250	235	218	202						
B7CC-255	5,5	2"	70	Double	-440	500	320	300	282	264	250	235	218	202	184	174	158			
B7CC-275	7,5	2"	77	Double	-440	570	320	300	282	264	250	235	218	202	184	174	158	140		
B8TT-155	5,5	2 1/2"	65	Single	-300	320	530	465	420	380	348	305	275							
B8TT-175	7,5	2 1/2"	68	Single	-320	380	530	465	420	380	348	305	275	240	180					
B8TC-175	7,5	2 1/2"	74	Single	-270	260	700	615	550	490	448	390								
B8CC-275	7,5	2 1/2"	87	Double	-400	400	520	480	455	440	410	390	370	350	330					
B8CC-2110	11	2 1/2"	127	Double	-280	370	900	800	720	650	580	515	440	350						
B9TT-1250	12,5	4"	132	Single	-280	270	1050	980	900	830	770	695	695							
B9TT-1850	18,5	4"	140	Single	-340	460	1050	980	900	830	770	695	630	520	480					
B9CC-2225	25,0	4"	235	Double	-310	280	2050	1850	1800	1750	1500	1420								

WORKING PRINCIPLE OF MIT CENTRIFUGAL BLOWER



Blowers increase the pressure of the absorbed gas by a series of vortex motions formed by the centrifugal movement of the impeller. When the impeller is rotating, the channels in the impeller push the air forward by the centrifugal movement and a helical movement occurs. During this movement, the gas is continuously compressed along the channel and the pressure increases linearly. The pressurized air is transferred from the outlet duct of the blower to the installation to be used.

WHAT ARE THE BLOWER USAGE AREAS?

Blowers are used in various processes such as food, transportation, granite carrier.

Blowers, other than vacuum pumps are effectively used in food washing, transport equipment, powder granur conveyor, suction equipment, industrial dust extraction, paper handling, degassing, bottle filling machines, automatic filling machines, paper cutting industry, printing paper handling process, dust removal equipment production, car washing, treatment plants, whirlpool, bottle drying, vegetable fruit washing and heating installations.





Ekin is aware that the progress in its sector is possible through continuous development and learning.

Ekin Academy, established with this awareness, aims to provide high-quality and sustainable development with its modern education methods, to provide successful employees and to provide value to the society through social responsibility projects.

Training and development programs that will make a direct contribution to the results of our employees' work processes and which will make a difference in their personal development are prepared by Ekin Academy.

For our business partners and customers, our training modules prepared by our expert staff provide training support for pre-sales and post-sales issues such as commissioning, operation, maintenance and repair of our products.

In cooperation with universities within the scope of corporate social responsibility projects, we are experiencing the happiness of adding value to the society by allowing the engineer candidate, who aims to take place in the fields where Ekin is active, to meet with the sector and to experience the theoretical knowledge acquired in the fields of application.

In-Company Trainings

Ekin Academy conducts technical, leadership, strategy development, sales and training and development programs for different tasks in the fields of heat transfer, pressure vessels, package systems, food systems and liquid transfer.



Out-of-Company Trainings

We are realizing conferences and training activities to our business partners, professional groups and institutions where we carry out social responsibility projects in various locations of Turkey.



SALES TEAM

At Ekin, we produce a proactive solution by our engineering staff who are specialized in their field. Our team, which works with the aim of unconditional customer satisfaction, works selflessly in order to gain customer loyalty by raising the bar of success in products, services and processes.

We are happy to share our accumulated knowledge with our valued customers. Ekin will continue to be the best solution partner for you in all applications with all kinds of heating and cooling applications.



Customer Satisfaction

Customer rights are protected in all circumstances.



Privacy Policy

Aware of the importance of protecting personal information, personal information is not shared with third parties.



Information Security

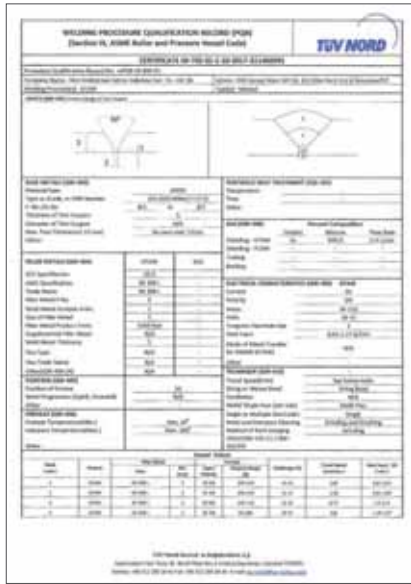
The requirements of ISO 27001 information security management system are fulfilled at Ekin.



Ethical Values

In all our business relations, our principle of mutual benefit by adhering to laws and ethics is our principle.

CERTIFICATES





PROFESSIONAL SYSTEM SOLUTION CENTER

From our MIT professional system solution center, you can get help with problems with your pumps, heat exchangers and your system. Our solution center consisting of our expert engineers will be happy to help you.

- Domestic hot water installations.
- Central and district heating systems.
- Milk, yogurt, buttermilk heating, cooling and pasteurization systems.
- Industrial cooling and heating systems.
- Oil cooling systems.
- Energy recovery systems.
- Pool heating systems.
- Steam installations.



It is vital for your system to be designed and implemented correctly in the first installation in order to be able to operate at the desired capacity, smoothness and long life. For this reason, you can get first-hand

the technical support you need during the installation phase of your system and the problems that may arise in the business; You can reach us **24 hours +90 (216) 232 24 12 in 7 days.**



+90 850 811 04 18

We would like to reiterate that we will be happy to share our knowledge accumulated over many years with our valued customers in order for your system to work correctly and performance.

Ekin will continue to be the best solution partner for you in all applications with all kinds of heating and cooling applications.

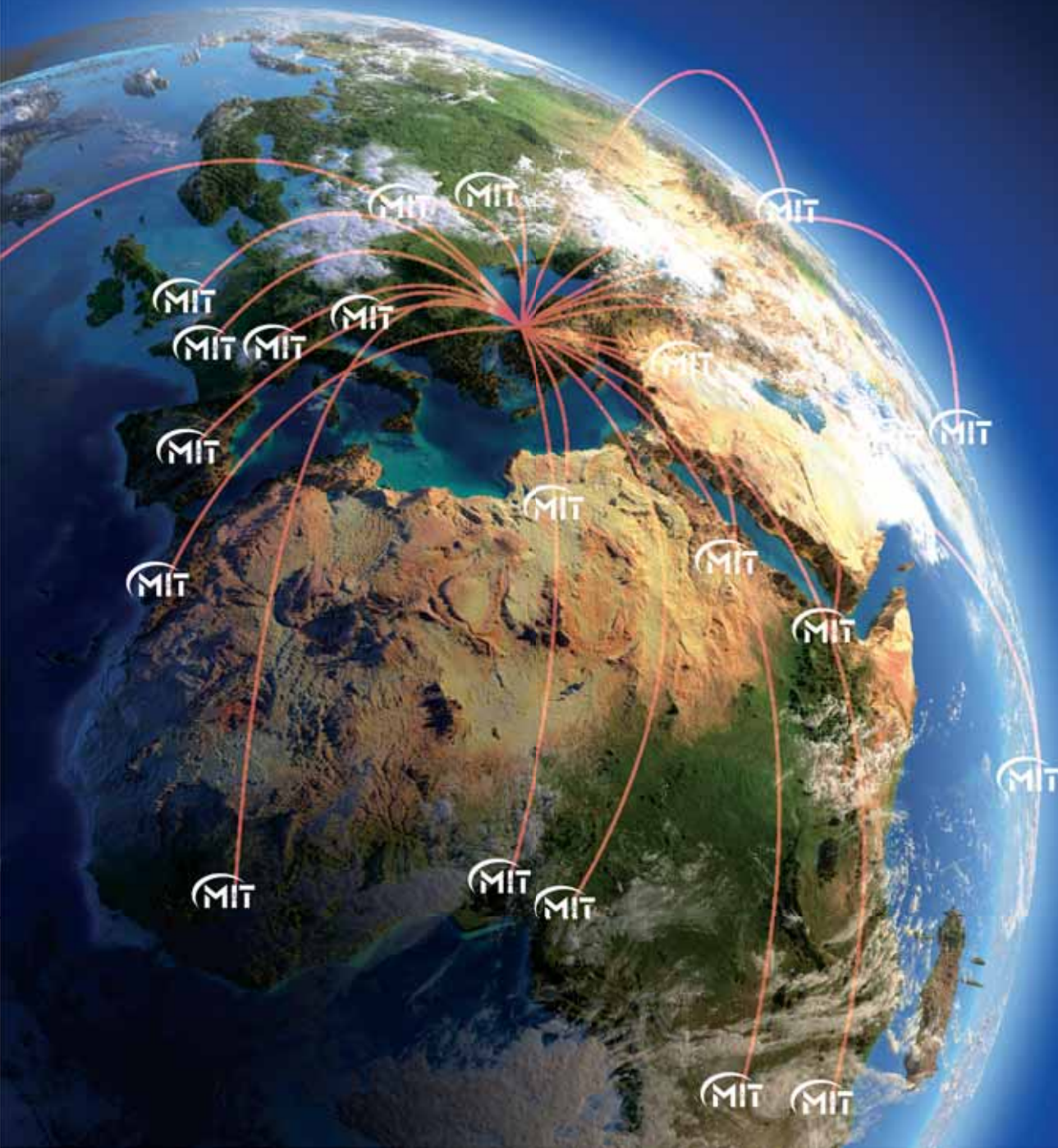


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Our products are produced with Turkish engineering technology in **135 countries** in the world today...





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