

Roof Type Fans

Roof Type AC Vertical Throw Fans

Roof Type AC Horizontal Throw Fans

Roof Type EC Vertical Throw Fans

Roof Type EC Horizontal Throw Fans

Roof Type AC Vertical Throw Kitchen Exhaust Fans / Ability To Work
Continuously at 120 °C

VENTAS 

VENTAS Isıtma, Soğutma, Enerji Sistemleri, İnşaat Sanayi ve Ticaret Anonim Şirketi; has been established in 2011 for production, consulting, project preparation and equipment supply in heating, cooling, air-conditioning and energy efficiency areas. VENTAS, which is established on top of twenty years of know-how and experience of its founders in the aforementioned sectors, is serving at its İstanbul Hadimkoy and Catalca production centres.

HVAC new brand VENTAS includes hygienic air handling units, comfort air handling units, high-efficiency heat-recovery ventilation units, fan coil units, exhaust fans with cabinet, supply fans with cabinet, duct type fans, roof type fans, fire smoke removal fans, trench heaters, roof top package air conditioning systems (water cooled, air cooled, gas-fired, heat recovery etc.) units.

Having ISO 9001, CE, TSEK, GOST-R and EN 1886 certificates and benefiting all advantages of modern high technology, in VENTAS production centres, high quality and durable products are manufactured by a dynamic and experienced expert team with a meticulous and neat workmanship, and a solution oriented approach.

VENTAS brand's main principles are to serve its customers as a high quality solution partner and to provide excellent service with a dynamic structure both in pre-sales and after-sales.

Having reached a fast and continuous growth track since it has been established, VENTAS has managed to become a well-known company in heating, cooling, air-conditioning and energy efficiency sectors throughout the country. Moreover, the Turkish brand VENTAS has penetrated its excellent and high quality products into international markets in a very short time frame, and offered a complete product supply chain to these markets through its wide dealer and service structure.

Paying the utmost attention in its products to energy efficiency, endurance, reliability, sustainable technology and competitive price policy, VENTAS offers to be the corporate solution partner of all investors and mechanical construction companies in Turkey and all over the world, and shares its dynamic vision, renewed and developed continuously, with all its customers.



VENTAS roof type fans; vertical throw fans with AC and EC motor alternatives, horizontal throw fans with AC and EC motor alternatives, and vertical throw kitchen exhaust fans with AC motor are used in high efficiency engineering solution practices. Manufactured for efficient exhausting practices, VREXF series roof type fans are highly efficient, compact, durable and highly resistant. Having low sound/ high performance levels with aerodynamic blades and new generation, high technology motors, VREXF series roof type fans can be used in many different fields like kitchens, factories, offices, hotels, hospitals, shopping malls, storehouses, hangars and house exhausting practices including industrial facilities.

With an aesthetic structure, it does not ruin the architectural structure of the building, having a design to enrich the visual value of the project. Thanks to the directly coupled fan-motor assembly with mechanical parts, it has a maintenance free design. Having thermic contacts, motors prevent infliction of permanent damages by protecting themselves against overheating. VREXF series roof type fans are designed in a way to be affected by external weather conditions in the minimum level.

It is designed as not to be affected by environmental conditions and produced from galvanized sheet of proper thickness. The body is protected by a specially shaped aluminium protection cover, and an anti-corrosive, durable structure is achieved.

With single-intake, backward curved, the fan is statically and dynamically balanced, and produced with 230-380VAC/50Hz monophase-triphas electric motors, or with 0-10 V DC in EC models, in a way to create a directly coupled, non-vibrating and silent system. The fan with low sound and high performance levels can easily be opened and blade cleaning can be done in a short period of time.

Roof type fans can be used as direct-intake or with channel connection.

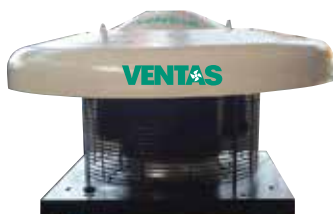
Optimum selections can be made with model options between 500-17500 m³/h air flows and 50-800 Pa pressure performance ranges.

Horizontal Throw Roof Type Fans With AC-EC Motors

- Body of aluminium sheet,
- Aluminium rain deflector cap,
- PA plastic, black coloured recurvate widely bladed fan,
- IP44 protection class,
- B isolation class,
- Wide capacity range,
- High efficiency,
- Low sound level,
- Ergonomic size,
- Easy installation and maintenance,
- Options to use with a speed switch for monophase models, and with a frequency inverter for triphase models.
- EC fan models can be controlled with a speed switch.

Vertical Throw Roof Type Fans With AC-EC Motors

- Body of aluminium sheet,
- Aluminium rain deflector cap,
- PA plastic, black coloured recurvate widely bladed fan,
- IP44 protection class,
- B isolation class,
- Wide capacity range,
- High efficiency,
- Low sound level,
- Ergonomic size,
- Easy installation and maintenance,
- Options to use with a speed switch for monophase models, and with a frequency inverter for triphase models.
- EC fan models can be controlled with a speed switch.



Roof Type Fans

Horizontal Throw Roof Type Fans

Capacity Table for Horizontal Throw Roof Type Fans With AC Motor

Model Code	Air Flow [m³/h]				Fan Diameter (mm)	Motor Power (kW)	Rotation (rpm/minute)	Voltage (V)	Power Supply (2ph/3ph)
	External Static Pressure	50 Pa	100 Pa	200 Pa					
VREXF ACH 190	510	400	260	135	Ø 190	0.052	2350	230 V	Monophase
VREXF ACH 225	1140	1020	900	710	Ø 225	0.155	2500	230 V	Monophase
VREXF ACH 280	2010	1850	1615	1295	Ø 280	0.225	2700	230 V	Monophase
VREXF ACH 355	3030	2780	2375	1060	Ø 355	0.270	1330	230 V	Monophase
VREXF ACH 400L	2570	2050	300		Ø 400	0.155	880	230 V	Monophase
VREXF ACH 400M	4200	3950	3350	2500	Ø 400	0.470	1340	230 V	Monophase
VREXF ACH 400H	4300	4050	3550	2850	Ø 400	0.515	1400	230 V	Monophase
VREXF ACH 450L	3700	3350	2100		Ø 450	0.285	940	380 V	Triphase
VREXF ACH 450M	5400	5000	4400	3500	Ø 450	0.690	1260	230 V	Monophase
VREXF ACH 450H	5700	5400	4900	4150	Ø 450	0.710	1350	230 V	Monophase
VREXF ACH 500L	5800	5200	3950	1650	Ø 500	0.500	885	380 V	Triphase
VREXF ACH 500M	5300	4800	3700	400	Ø 500	0.480	910	230 V	Monophase
VREXF ACH 500H	9100	8700	8200	7400	Ø 500	1.520	1370	380 V	Triphase
VREXF ACH 560L	7650	7300	6000	3950	Ø 560	0.780	890	380 V	Triphase
VREXF ACH 560H	11600	11150	10500	9600	Ø 560	1.950	1390	380 V	Triphase
VREXF ACH 630L	11200	10450	8500	6000	Ø 630	1.030	880	380 V	Triphase
VREXF ACH 630H	17200	16500	15600	15000	Ø 630	3.570	1345	380 V	Triphase

Capacity Table for Horizontal Throw Roof Type Fans With EC Motor

Model Code	Air Flow [m³/h]				Fan Diameter (mm)	Motor Power (kW)	Rotation (rpm/minute)	Voltage (V)	Power Supply (2ph/3ph)
	External Static Pressure	50 Pa	100 Pa	200 Pa					
VREXF ECH 250	1100	980	700	410	Ø 250	0.080	1955	230 V	Monophase
VREXF ECH 280	2780	2320	1540	1060	Ø 280	0.168	1910	230 V	Monophase
VREXF ECH 310	3140	3020	2525	2220	Ø 310	0.450	2180	230 V	Monophase
VREXF ECH 355	4520	4380	3890	3340	Ø 355	0.500	1850	230 V	Monophase
VREXF ECH 400	6750	6590	6290	5940	Ø 400	1.320	2060	380 V	Triphase
VREXF ECH 500L	10000	9600	8680	7590	Ø 500	1.320	1350	380 V	Triphase
VREXF ECH 500	11400	11100	10750	10100	Ø 500	2.600	1700	380 V	Triphase
VREXF ECH 560	13400	13000	12300	11450	Ø 560	2.360	1540	380 V	Triphase
VREXF ECH 630	16300	15900	15100	14100	Ø 630	2.800	1300	380 V	Triphase

Vertical Throw Roof Type Fans

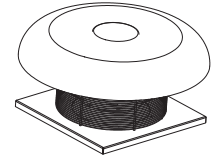
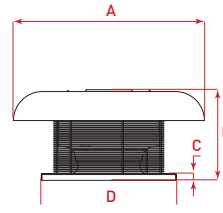
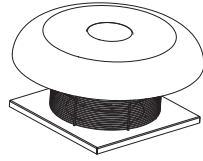
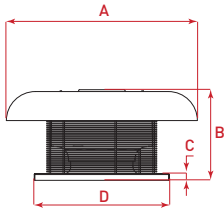
Capacity Table for Vertical Throw Roof Type Fan With AC Motor

Model Code	Air Flow [m³/h]				Fan Diameter (mm)	Motor Power (kW)	Rotation (rpm/minute)	Voltage (V)	Power Supply (2ph/3ph)
	External Static Pressure	50 Pa	100 Pa	200 Pa					
VREXF ACV 190	480	370	240	120	Ø 190	0.052	2350	230 V	Monophase
VREXF ACV 225	1080	990	840	680	Ø 225	0.155	2500	230 V	Monophase
VREXF ACV 280	1950	1780	1545	1235	Ø 280	0.225	2700	230 V	Monophase
VREXF ACV 355	2890	2660	2100	780	Ø 355	0.270	1330	230 V	Monophase
VREXF ACV 400L	2430	1790	280		Ø 400	0.155	880	230 V	Monophase
VREXF ACV 400M	4000	3800	3200	2250	Ø 400	0.470	1340	230 V	Monophase
VREXF ACV 400H	4200	3950	3450	2700	Ø 400	0.515	1400	230 V	Monophase
VREXF ACV 450L	3620	3240	900		Ø 450	0.285	940	230 V	Monophase
VREXF ACV 450M	5200	4850	4240	3300	Ø 450	0.690	1260	230 V	Monophase
VREXF ACV 450H	5500	5300	4750	3990	Ø 450	0.710	1350	380 V	Triphase
VREXF ACV 500L	5650	5090	3750	1470	Ø 500	0.500	885	230 V	Monophase
VREXF ACV 500M	5200	4690	3570	350	Ø 500	0.480	910	230 V	Monophase
VREXF ACV 500H	8900	8600	7500	7150	Ø 500	1.520	1370	380 V	Triphase
VREXF ACV 560L	7520	7150	5880	3590	Ø 560	0.780	890	230 V	Monophase
VREXF ACV 560H	11350	11000	10280	9350	Ø 560	1.950	1390	380 V	Triphase
VREXF ACV 630L	10900	10050	8250	5700	Ø 630	1.030	880	380 V	Triphase
VREXF ACV 630H	16800	16100	15120	14500	Ø 630	3.570	1345	380 V	Triphase

Capacity Table for Vertical Throw Roof Type Fans With EC Motor

Model Code	Air Flow [m³/h]				Fan Diameter (mm)	Motor Power (kW)	Rotation (rpm/minute)	Voltage (V)	Power Supply (2ph/3ph)
	External Static Pressure	50 Pa	100 Pa	200 Pa					
VREXF ECV 250	1060	944	665	385	Ø 250	0.080	1955	230 V	Monophase
VREXF ECV 280	2650	2210	1460	990	Ø 280	0.168	1910	230 V	Monophase
VREXF ECV 310	2990	2870	2400	2100	Ø 310	0.450	2180	230 V	Monophase
VREXF ECV 355	4310	4190	3690	3150	Ø 355	0.500	1850	230 V	Monophase
VREXF ECV 400	6420	6260	5980	5690	Ø 400	1.320	2060	380 V	Triphase
VREXF ECV 500L	9870	9450	8520	7390	Ø 500	1.320	1350	380 V	Triphase
VREXF ECV 500	11000	10650	10480	9600	Ø 500	2.600	1700	380 V	Triphase
VREXF ECV 560	12750	12350	11700	10900	Ø 560	2.360	1540	380 V	Triphase
VREXF ECV 630	15500	15120	14450	13400	Ø 630	2.800	1300	380 V	Triphase

Horizontal Throw Roof Type Fans



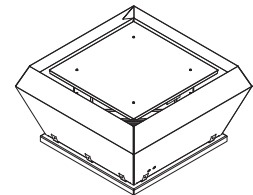
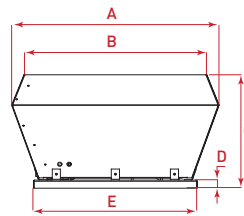
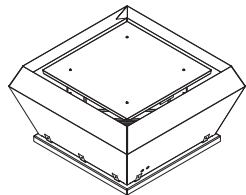
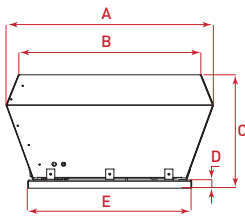
Dimension Table for Horizontal Throw Roof Type Fans With AC Motor

Model Code	Dimension (mm)			
	A	B	C	D
VREXF ACH 190	525	262	35	372
VREXF ACH 220	525	275	35	372
VREXF ACH 225	525	307	35	372
VREXF ACH 280	630	340	35	447
VREXF ACH 355	745	423	35	527
VREXF ACH 400L	990	432	35	701
VREXF ACH 400M	990	432	35	701
VREXF ACH 400H	990	432	35	701
VREXF ACH 450L	990	488	35	701
VREXF ACH 450M	990	488	35	701
VREXF ACH 450H	990	488	35	701
VREXF ACH 500L	990	489	35	701
VREXF ACH 500M	990	489	35	701
VREXF ACH 500H	990	539	35	701
VREXF ACH 560L	1270	529	35	899
VREXF ACH 560H	1270	537	35	899
VREXF ACH 630L	1270	584	35	899
VREXF ACH 630H	1270	584	35	899

Dimension Table for Horizontal Throw Roof Type Fans With EC Motor

Model Code	Dimension (mm)			
	A	B	C	D
VREXF ECH 250	630	300	35	447
VREXF ECH 280	630	352	35	447
VREXF ECH 310	745	386	35	527
VREXF ECH 355	745	417	35	527
VREXF ECH 400	990	428	35	701
VREXF ECH 500L	990	505	35	701
VREXF ECH 500	990	505	35	701
VREXF ECH 560	1270	536	35	899
VREXF ECH 630	1270	584	35	899

Vertical Throw Roof Type Fans



Dimension Table for Vertical Throw Roof Type Fans With AC Motor

Model Code	Dimension (mm)				
	A	B	C	D	E
VREXF ACV 190	444	369	285	35	372
VREXF ACV 220	444	369	285	35	372
VREXF ACV 225	444	369	285	35	372
VREXF ACV 250	537	460	323	35	447
VREXF ACV 280	537	460	323	35	447
VREXF ACV 310	672	595	398	35	527
VREXF ACV 355	672	595	398	35	527
VREXF ACV 400L	887	785	487	35	701
VREXF ACV 400M	887	785	487	35	701
VREXF ACV 400H	887	785	487	35	701
VREXF ACV 450L	887	785	487	35	701
VREXF ACV 450M	887	785	487	35	701
VREXF ACV 450H	887	785	487	35	701
VREXF ACV 500L	887	785	487	35	701
VREXF ACV 500M	887	785	487	35	701
VREXF ACV 500H	887	785	487	35	701
VREXF ACV 560L	1148	1044	570	35	899
VREXF ACV 560H	1148	1044	570	35	899
VREXF ACV 630L	1148	1044	570	35	899
VREXF ACV 630H	1148	1044	570	35	899

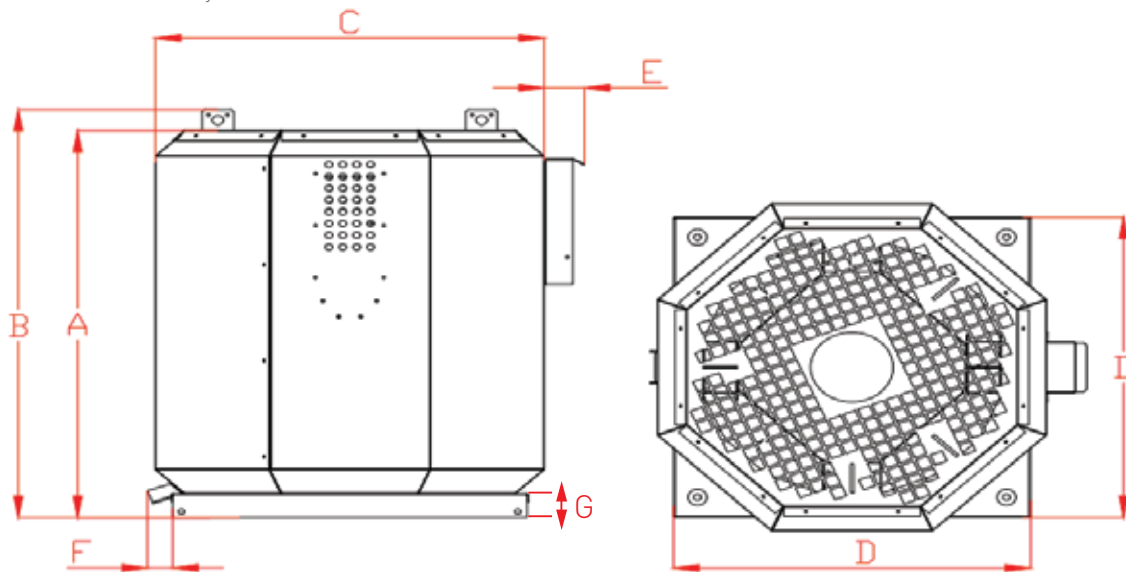
Dimension Table for Vertical Throw Roof Type Fans With EC Motor

Model Code	Dimension (mm)				
	A	B	C	D	E
VREXF ECV 250	537	460	323	35	447
VREXF ECV 280	537	460	323	35	447
VREXF ECV 310	672	595	398	35	527
VREXF ECV 355	672	595	398	35	527
VREXF ECV 400	887	785	487	35	701
VREXF ECV 500L	887	785	487	35	701
VREXF ECV 500	887	785	487	35	701
VREXF ECV 560	1148	1044	570	35	899
VREXF ECV 630	1148	1044	570	35	899

Roof Type Fans

Roof Type Fans AC Vertical Throw Kitchen Exhaust Fans / Ability To Work Continuously at 120 °C

- Used in kitchen exhaust shafts in multi-storey commercial and residence buildings,
- Options to use with a speed switch for monophas models, and with a frequency inverter for triphase models.
- Wide capacity range,
- High efficiency,
- Ability to work continuously at 120 °C
- External motor air stream,
- Fan with recurvate blades,
- Readily coupled drain pan,
- Low sound level,
- Standard service maintenance switch,
- Ergonomic size,
- Easy installation and maintenance,



Capacity Table for Vertical Throw Roof Type Fans Kitchen Exhaust Fans With AC Motor

Model Code	Air Flow (m ³ /h)	Pressure (Pa)	Fan Diameter (mm)	Motor Power (kW)	Rotation (rpm/minute)	Voltage (V)	Rated Current (Amp)
VREXF ACV HT 225	1320	50	Ø 225	0.37	2850	230 V	2.50
VREXF ACV HT 250	2200	50	Ø 250	0.75	2850	230 V	5.00
VREXF ACV HT 280	2600	50	Ø 280	1.10	2850	230 V	7.00
VREXF ACV HT 315	3450	50	Ø 315	1.50	2850	230 V	9.80
VREXF ACV HT 400	4000	50	Ø 400	0.75	1410	230 V	4.60
VREXF ACV HT 450	5800	50	Ø 450	1.10	1410	230 V	7.10
VREXF ACV HT 500	8000	50	Ø 500	2.20	1410	230 V	13.40
VREXF ACV HT 560	10500	50	Ø 560	3.00	1410	380 V	6.50
VREXF ACV HT 630	13800	50	Ø 630	4.00	1410	380 V	8.20
VREXF ACV HT 710	14000	50	Ø 710	3.00	950	380 V	6.90

Dimensions Table for Vertical Throw Roof Type Fans Kitchen Exhaust Fans With AC Motor

Model Code	Dimension (mm)						
	A	B	C	D	E	F	G
VREXF ACV HT 225	592	592	545	495	65	40	45
VREXF ACV HT 250	592	592	545	495	65	40	45
VREXF ACV HT 280	592	592	545	495	65	40	45
VREXF ACV HT 315	727	767	615	565	65	40	45
VREXF ACV HT 400	727	767	615	565	65	40	45
VREXF ACV HT 450	853	883	825	775	65	40	45
VREXF ACV HT 500	853	883	825	775	65	40	45
VREXF ACV HT 560	1048	1078	1105	1055	65	40	45
VREXF ACV HT 630	1048	1078	1105	1055	65	40	45
VREXF ACV HT 710	1048	1078	1105	1055	65	40	45



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