

Low and Medium Pressure Centrifugal Fans

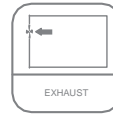
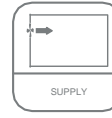
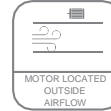
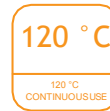
The HSAL series is designed for clean air circulation and general ventilation applications where low to medium pressure is required. With its compact design and robust structure, it offers efficiency, durability, and adaptability across a wide range of industries.

Technical Features:

- **Airflow Capacity:** Ranges from **1,200 m³/h to 28,000 m³/h**. Customizable airflow and pressure levels can be manufactured based on specific application requirements.
- **Construction:** The fan casing and impeller are manufactured from **DKP sheet metal** and coated with **cellulose-based paint** for effective corrosion resistance.
- **Impeller Design:** Available with **widely spaced (rare-alated)** or **closely spaced blades**, depending on the application – ideal for both clean and lightly polluted air environments.
- **Motor Type:** Equipped with **direct-coupled motors** from trusted brands such as **GAMAK, VOLT, and WATT**.
- **Speed Control (Optional):** Fans can be supplied with a **speed controller** to adjust airflow and static pressure according to the system needs.
- **Insulation Class:** F
- **Protection Class:** IP 55

Application Areas:

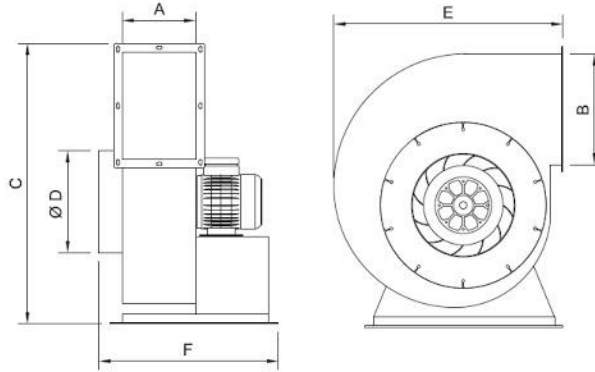
Ideal for the circulation of **clean or slightly contaminated air**, such as air with light oil, moisture, or low dust content. Rare-alated blade models are suitable for environments with heavier air conditions, while closely alated options serve clean air circulation purposes effectively.





















MOTOR INSULATION CLASS	F CLASS
MOTOR PROTECTION CLASS	IP 55
MOTOR EFFICIENCY CLASS	IE2-IE3
MOTOR ENCLOSURE TYPE	TEFC
MOTOR BRAND	GAMAK-VOLT-WATT-ELK
BODY MATERIAL	DKP SHEET METAL
BODY COATING	ELECTROSTATIC POWDER PAINT
IMPELLER MATERIAL	DKP SHEET METAL
DUTY CYCLE	IEC Duty Cycle-S1
WORKING AMBIENT TEMPERATURE	-20 - +50 °C
DIRECTIVE	IEC-60335-2-80, ISO 1940-1

MODEL	VOLTAGE (V)	FREQUENCY (Hz)	POWER (kW)	REVOLUTION (rpm)	FLOW RATE (m³/h)	PRESSURE (pa)
HSAL 280-1	380	50	0,25	1.400	1.200	150
HSAL 280-2	380	50	1,1	2.800	2.850	200
HSAL 315-1	380	50	0.37	1.400	1.650	150
HSAL 315-2	380	50	2,2	2.800	4.000	300
HSAL 355-1	380	50	0.55	1.400	2.500	200
HSAL 355-2	380	50	3	2.800	5.900	300
HSAL 400-1	380	50	0.75	1.400	3.850	200
HSAL 400-2	380	50	5.5	2.800	8.700	350
HSAL 450	380	50	1.1	1.400	6.000	200
HSAL 500	380	50	1.5	1.400	8.600	200
HSAL 560	380	50	3	1.400	12.000	300
HSAL 630	380	50	5.5	1.400	17.800	300
HSAL 710	380	50	11	1.400	28.000	350

DRAWING



MODEL	A (mm)	B (mm)	C (mm)	D Ø (mm)	E (mm)	F (mm)
HSAL 280	200	280	645	250	530	465
HSAL 315	220	290	610	280	530	510
HSAL 355	240	300	845	310	530	570
HSAL 400	235	350	825	355	665	560
HSAL 450	270	375	825	400	670	610
HSAL 500	350	400	925	450	750	730
HSAL 560	400	450	1025	500	830	770
HSAL 630	500	500	1250	550	955	1075
HSAL 710	550	650	1460	600	1065	1225

<div style="text-align: center;"> LG  </div>	0	45	90	135	180	225	270	315
								
<div style="text-align: center;"> RD  </div>	0	45	90	135	180	225	270	315
								
	H1				H2		H	