

Vent-Axia In-Line Duct Fans (ILHT)

Features and Benefits

- Rated at 400°C/2h to EN12101-3
- Direct drive backward curved centrifugal fans
- Single & three phase options
- Single & two speed motor options
- Suitable for horizontal or vertical mounting
- Internal & external models
- Site configurable inlet/outlet positions

The ILHT range of direct drive in-line fans is designed to withstand the extract of air streams (only air stream within fan enclosure) of 400°C for a minimum period of two hours. All models are supplied with the motor located out of the air stream mounted on the external face of the casing.

All models are certified for 400°C/2hr for the purpose of extracting hot smoke in the case of a fire. The ILHT series of centrifugal in-line fans offers a truly flexible solution to installation whereby the configuration of both the inlet and discharge ports can be changed by simply altering the positioning of casing side panels.

Certified to EN12101-3 Standards.

Application

The ILHT Series is suitable for a wide variety of applications including commercial kitchen and car park extract ventilation systems.

Casing

The casing of the ILHT fans is manufactured from high grade robust galvanised steel and are suitable for direct connection in-line with standard nominal rectangular steel ducting. Due to the flexible design and configuration the ILHT units can be installed in any position, both horizontal or vertical, and are suitable for both indoor and outdoor mounted installations.

Impeller

All ILHT fans incorporate a centrifugal backward curved impeller manufactured from high grade galvanised steel. The motor is directly coupled to the impeller which is dynamically balanced.

Motors

All motors are designed for continuous operation in ambient air temperatures up to +70°C and are manufactured in accordance with European CEI standards.

The following motor specification include:

- Single speed models available with 230V or 400V 50Hz Three Phase motors.
- Two speed models available with 400V 50Hz Three Phase motors.
- All motors are Class F, IP-55

Performance

Airflow tested in accordance with BS848 Part 1
AMCA 210-85
ASHRAE 51-1985
UNE 100-212-89

General Performance Characteristics

The range consists of 8 unit sizes, covering an airflow range up to 5.2m³/s

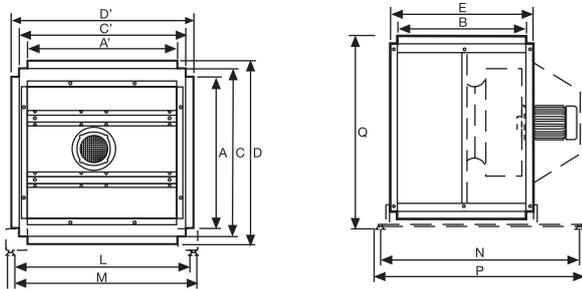
Accessories

A full range of accessories is available to compliment the fan including:

- Discharge Protection Grille
- Flexible Connections
- Motor Cover (external application)
- Mounting Support

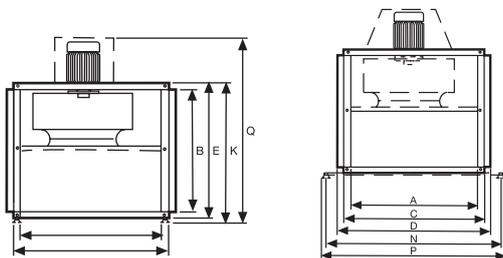


Dimensions (mm) - Mounting configuration with horizontal motor shaft.



Type	A	B	C	D	E	L	M	N	P	Q	Weight (kg)
035	700	600	780	850	675	727	927	1038	1122	928	70
050	700	600	780	850	675	727	927	1038	1122	928	90
060	800	700	880	950	775	827	1027	1182	1266	1028	110
065	800	700	880	950	775	827	1027	1182	1266	1028	135
085	900	800	1015	1085	875	962	1162	1330	1414	1175	145
110	900	800	1015	1085	875	962	1162	1330	1414	1175	160
140	1000	900	1115	1185	975	1062	1262	1430	1514	1275	175
190	1100	1000	1215	1315	1075	1162	1362	1530	1614	1375	210

Dimensions (mm) - Mounting configuration with vertical motor shaft.



Type	A	B	C	D	E	K	L	M	N	P	Q	Weight (kg)
035	700	600	780	850	675	722	587	787	1038	1122	928	70
050	700	600	780	850	675	722	587	787	1038	1122	928	90
060	800	700	880	950	775	822	687	887	1182	1266	1028	110
065	800	700	880	950	775	822	687	887	1182	1266	1028	135
085	900	800	1015	1085	875	934	822	1022	1330	1414	1175	145
110	900	800	1015	1085	875	934	822	1022	1330	1414	1175	160
140	1000	900	1115	1185	975	1034	922	1122	1430	1514	1275	175
190	1100	1000	1215	1315	1075	1134	1022	1222	1530	1614	1375	210

For full performance and selection, please contact our Technical Support Team on 0844 856 0595 for details.