



CDIF DIRECT DRIVE CABINET FANS

Benefits & Features



Low Noise



**Easy
Installation**



**Low
Maintenance**

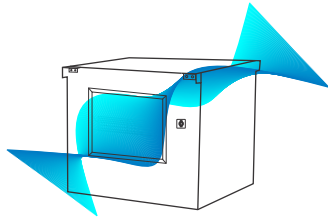


**Optional
Air Filter**



**Energy
Efficient**

Application



Cabinet Inline fans may be used for Ventilation and Exhaust applications for air volumes ranging from 1000CFM to 6800CFM, powered by a forward curved, direct driven fan. The standard series (CDIF-series) has a Single skin Cabinet and the Insulated Series (CDIF-IS) is supplied with high grade acoustic egg-crate insulation, internally lined, for low noise applications.

Motor



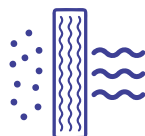
CDIF Cabinet fans are supplied with Single phase, squirrel cage induction motor with long bearing life with IP20 Protection. The unit comes standard with a Speed Regulator Switch. EC Motors are available on CDIF-EC Series fans.

Mounting



CDIF fans are meant for Ceiling or Floor mounting with rectangular inlet and outlet connections. For Ceiling Mounting, four heavy duty mounting brackets are positioned at the top of the casing.

Filter



Cabinet fans are provided with filter fixing arrangement as standard. The optional filter can be easily accessed for cleaning or replacement. Nonwoven 25mm thick EU-4 filters are supplied as an optional accessory for the Cabinet fans.

Design



Fan casing is made of galvanized steel sheet, supplied in Mill finish as standard and external epoxy powder coating as a variation. The Casing has a standard provision for an optional slide-in, replaceable Pre-filter, placed at the air inlet. The Casing is equipped with access panels for servicing and periodic cleaning.

Speed Control



Air Quantity and Sound levels can be easily calibrated or modified using the Speed Regulator Switch mounted on the fan casing, as a standard feature.

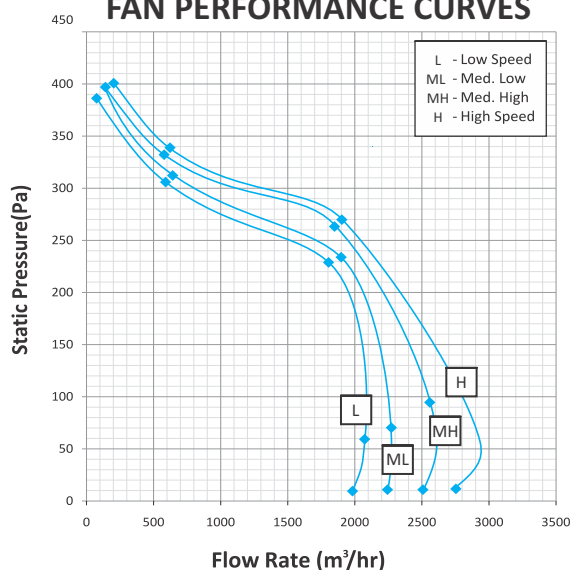


CDIF fans have standard slide-in Pre-filter arrangement. (Filter sold separately)

Cabinet Fan

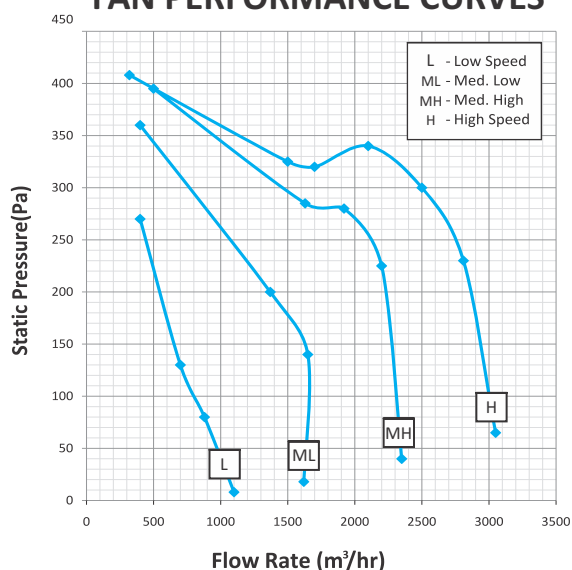
Technical Data

FAN PERFORMANCE CURVES



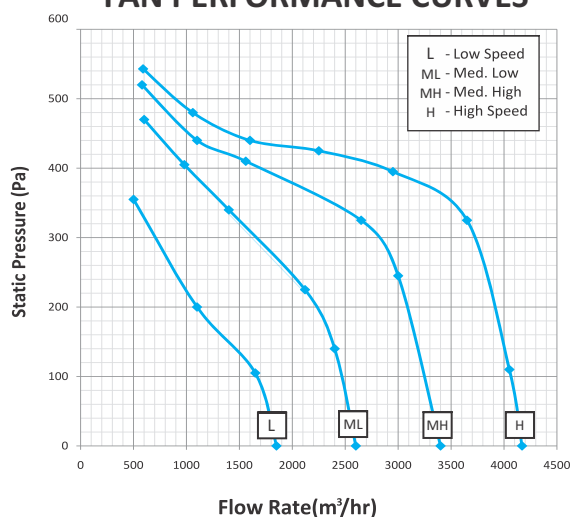
| Description | Model | | | | | | | |
|----------------------|----------|----|----|----|-------------|----|----|----|
| | CDIF-9/7 | | | | CDIF-9/7-IS | | | |
| | Standard | | | | Insulated | | | |
| No. of Poles | 4 | | | | | | | |
| Power (W) | 250 | | | | | | | |
| Frequency (Hz) | 50 | | | | | | | |
| Insulation (Class) | B | | | | | | | |
| Voltage (V) | 220/240 | | | | | | | |
| Rated/Max (Amp.) | 2/2.1 | | | | | | | |
| Noise Data (dBA) @3m | H | MH | ML | L | H | MH | ML | L |
| | 57 | 53 | 49 | 42 | 53 | 49 | 45 | 38 |
| Weight (kg) | 28 | | | | 29 | | | |

FAN PERFORMANCE CURVES



| Description | Model | | | | | | | |
|----------------------|----------|----|----|----|------------|----|----|----|
| | CDIF-09 | | | | CDIF-09-IS | | | |
| | Standard | | | | Insulated | | | |
| No. of Poles | 4 | | | | | | | |
| Power (W) | 370 | | | | | | | |
| Frequency (Hz) | 50 | | | | | | | |
| Insulation (Class) | B | | | | | | | |
| Voltage (V) | 220/240 | | | | | | | |
| Rated/Max (Amp.) | 3.2/4.7 | | | | | | | |
| Noise Data (dBA) @3m | H | MH | ML | L | H | MH | ML | L |
| | 56 | 52 | 48 | 41 | 52 | 48 | 44 | 37 |
| Weight (kg) | 29 | | | | 30 | | | |

FAN PERFORMANCE CURVES



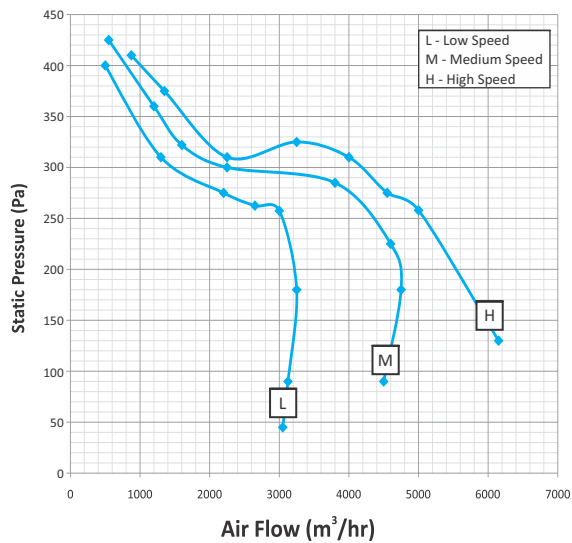
| Description | Model | | | | | | | |
|----------------------|----------|----|----|----|------------|----|----|----|
| | CDIF-10 | | | | CDIF-10-IS | | | |
| | Standard | | | | Insulated | | | |
| No. of Poles | 4 | | | | | | | |
| Power (W) | 500 | | | | | | | |
| Frequency (Hz) | 50 | | | | | | | |
| Insulation (Class) | B | | | | | | | |
| Voltage (V) | 220/240 | | | | | | | |
| Rated/Max (Amp.) | 4/6.1 | | | | | | | |
| Noise Data (dBA) @3m | H | MH | ML | L | H | MH | ML | L |
| | 54 | 52 | 50 | 43 | 50 | 48 | 46 | 39 |
| Weight (kg) | 36 | | | | 37 | | | |

Technical Data

Cabinet Fan

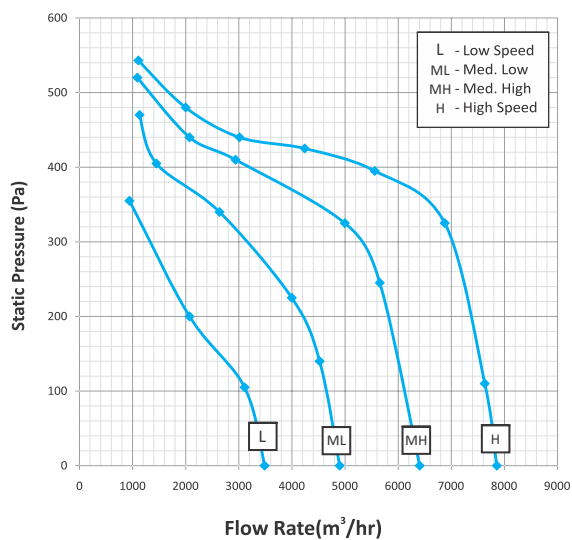
Technical Data

FAN PERFORMANCE CURVES



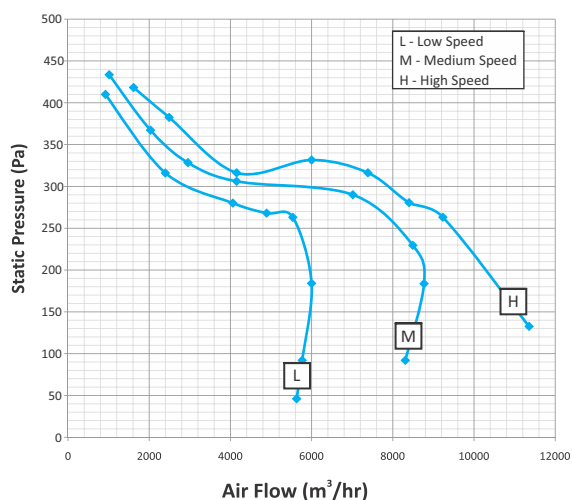
| Description | Model | | | | | |
|----------------------|----------|----|----|------------|----|----|
| | CDIF-12 | | | CDIF-12-IS | | |
| | Standard | | | Insulated | | |
| No. of Poles | 6 | | | | | |
| Power (W) | 736 | | | | | |
| Frequency (Hz) | 50 | | | | | |
| Insulation (Class) | B | | | | | |
| Voltage (V) | 220/240 | | | | | |
| Rated/Max (Amp.) | 7.5/7.6 | | | | | |
| Noise Data (dBA) @3m | H | M | L | H | M | L |
| | 57 | 53 | 50 | 53 | 49 | 46 |
| Weight (kg) | 50 | | | 52 | | |

FAN PERFORMANCE CURVES



| Description | Model | | | | | | | |
|----------------------|-----------|----|----|----|------------|----|----|----|
| | CDIF-20 | | | | CDIF-20-IS | | | |
| | Standard | | | | Insulated | | | |
| No. of Poles | 4 | | | | | | | |
| Power (W) | 500x2 | | | | | | | |
| Frequency (Hz) | 50 | | | | | | | |
| Insulation (Class) | B | | | | | | | |
| Voltage (V) | 220/240 | | | | | | | |
| Rated/Max (Amp.) | (4/6.1)x2 | | | | | | | |
| Noise Data (dBA) @3m | H | MH | ML | L | H | MH | ML | L |
| | 57 | 55 | 53 | 46 | 53 | 51 | 49 | 42 |
| Weight (kg) | 63 | | | | 65 | | | |

FAN PERFORMANCE CURVES

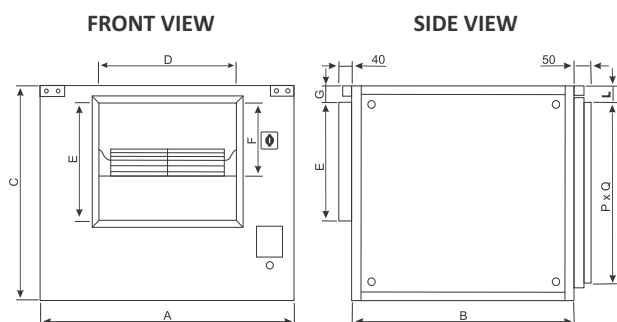


| Description | Model | | | | | |
|----------------------|-------------|----|----|------------|----|----|
| | CDIF-24 | | | CDIF-24-IS | | |
| | Standard | | | Insulated | | |
| No. of Poles | 6 | | | | | |
| Power (W) | 736x2 | | | | | |
| Frequency (Hz) | 50 | | | | | |
| Insulation (Class) | B | | | | | |
| Voltage (V) | 220/240 | | | | | |
| Rated/Max (Amp.) | (7.5/7.6)x2 | | | | | |
| Noise Data (dBA) @3m | H | M | L | H | M | L |
| | 60 | 56 | 53 | 56 | 52 | 49 |
| Weight (kg) | 93 | | | 96 | | |

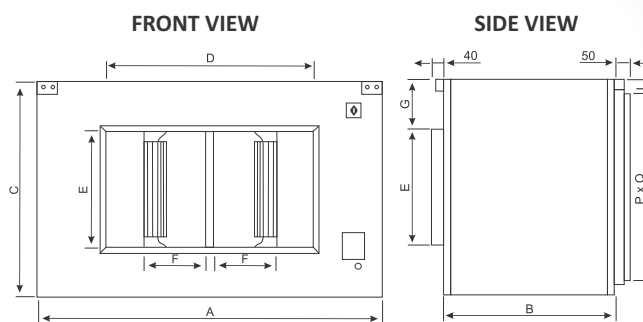
Technical Data

Cabinet Fan

DIMENSIONS



GA Drawing for CDIF - 9/7, 9, 10 & 12



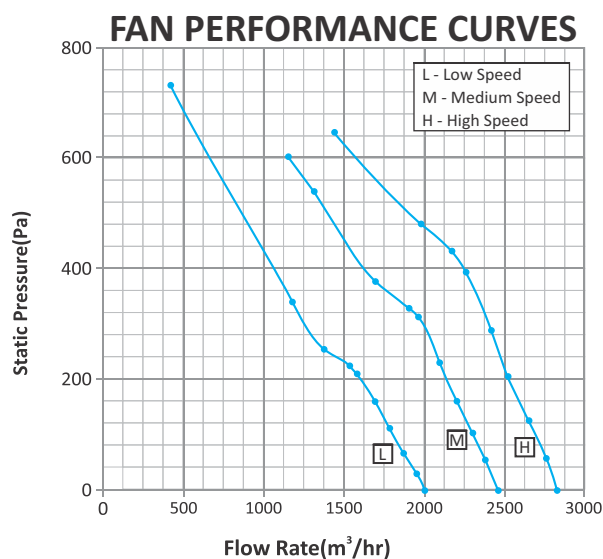
GA Drawing for CDIF - 20 & 24

| Model | A | B | C | D | E | F | G | L | P | Q |
|-------------------------|------|-----|-----|-----|-----|-----|-----|----|------|-----|
| Standard CDIF-9/7 | 584 | 465 | 490 | 238 | 268 | 160 | 50 | 50 | 486 | 392 |
| Insulated CDIF-9/7-IS | | | | | | | | | | |
| Standard CDIF-09 | 584 | 465 | 490 | 298 | 262 | 160 | 50 | 50 | 486 | 392 |
| Insulated CDIF-09-IS | | | | | | | | | | |
| Standard CDIF-10 | 644 | 510 | 550 | 331 | 289 | 179 | 50 | 50 | 546 | 452 |
| Insulated CDIF-10-IS | | | | | | | | | | |
| Standard CDIF-12 | 744 | 575 | 630 | 404 | 348 | 214 | 50 | 50 | 646 | 532 |
| Insulated CDIF-12-IS | | | | | | | | | | |
| Standard CDIF-20 | 1040 | 535 | 650 | 624 | 339 | 179 | 155 | 50 | 942 | 552 |
| Insulated CDIF-20-IS | | | | | | | | | | |
| Standard CDIF-24 | 1200 | 600 | 750 | 724 | 404 | 214 | 173 | 50 | 1102 | 652 |
| Insulated CDIF-24-IS | | | | | | | | | | |

All dimensions are in mm

EC Cabinet Fan

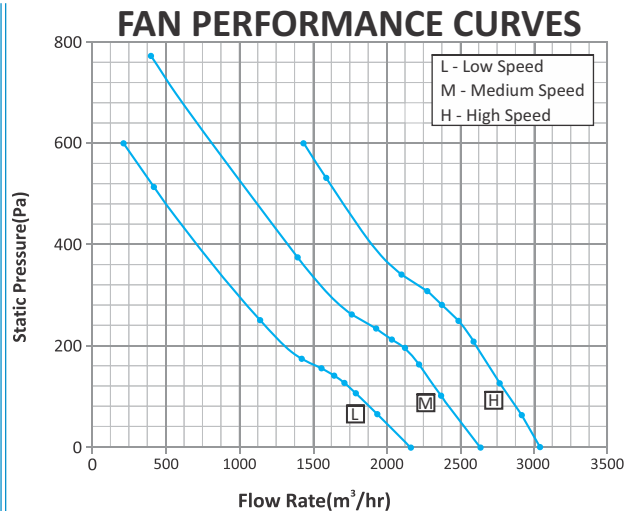
Technical Data



| Description | Model | | | | | |
|----------------------|------------|----|----|---------------|----|----|
| | CDIF-09-EC | | | CDIF-09-EC-IS | | |
| | Standard | | | Insulated | | |
| Power (W) | 550 | | | | | |
| Frequency (Hz) | 50 | | | | | |
| Voltage (V) | 220/240 | | | | | |
| Max (Amp.) | 4.3 | | | | | |
| Noise Data (dBA) @3m | H | M | L | H | M | L |
| | 60 | 56 | 55 | 56 | 52 | 51 |
| Weight (kg) | 29 | | | 30 | | |

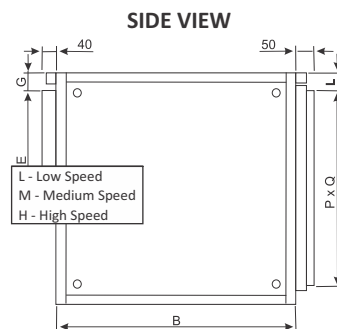
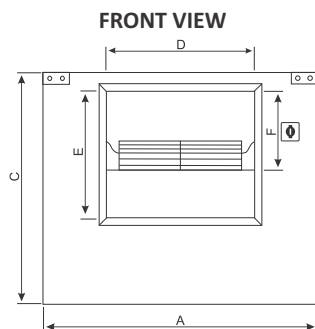
EC Cabinet Fan

Technical Data



| Description | Model | | | | | |
|----------------------|------------|----|----|---------------|----|----|
| | CDIF-10-EC | | | CDIF-10-EC-IS | | |
| | Standard | | | Insulated | | |
| Power (W) | 550 | | | | | |
| Frequency (Hz) | 50 | | | | | |
| Voltage (V) | 220/240 | | | | | |
| Max (Amp.) | 4.42 | | | | | |
| Noise Data (dBA) @3m | H | M | L | H | M | L |
| | 57 | 52 | 52 | 53 | 48 | 48 |
| Weight (kg) | 36 | | | 37 | | |

DIMENSIONS



| Model | A | B | C | D | E | F | G | L | P | Q |
|---------------------------|-----|-----|-----|-----|-----|-----|----|----|-----|-----|
| Standard CDIF-09-EC | 584 | 465 | 490 | 307 | 268 | 160 | 50 | 50 | 486 | 392 |
| Insulated CDIF-09-EC-IS | | | | | | | | | | |
| Standard CDIF-10-EC | 644 | 510 | 550 | 339 | 298 | 179 | 50 | 50 | 546 | 452 |
| Insulated CDIF-10-EC-IS | | | | | | | | | | |

All dimensions are in mm

Note:

CDIF Series Inline Fans are not meant for Kitchen Exhaust and Outdoor Applications.

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