



# CABINET FAN

*Quick,  
Convenient And Clean*



**DCD SERIES**

## Features

- Cabinet manufactured in galvanized steel, complete with inlet and outlet spigots.
- Internal acoustics lining is available, which offer better acoustics performance.
- Mounting brackets and access panel fitted as standard.
- Easy access for fan and motor service with removable access door panel.
- High efficiency forward curved DIDW impeller with galvanized steel scroll.
- 3 speed motor for H/M/L air volume induction motors with sealed for life bearing, suitable for single phase electrical supply.
- Speed selection through terminal switch at junction box according to wiring diagram supplied with the fan.
- Optional internal insulation reduction up to 5 dBA.

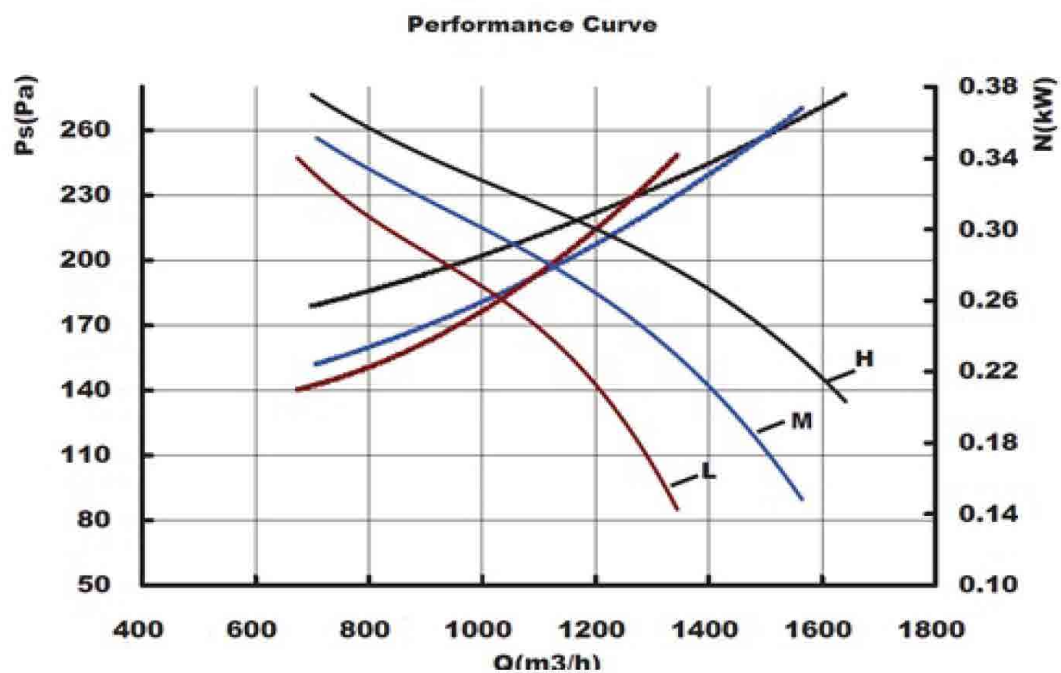
## Technical Data Sheet

|                           |              |       |                      |        |          |               |          |
|---------------------------|--------------|-------|----------------------|--------|----------|---------------|----------|
| Model                     |              |       | DCD200               | DCD250 | DCD300   | DCD350        | DCD400   |
| Nominal Performance       |              |       |                      |        |          |               |          |
| Airflow @ 0 Pa            | High Speed   | CMH   | 1600                 | 2050   | 3550     | 4300          | 4500     |
|                           | Medium Speed | CMH   | 1400                 | 1530   | 2350     | 3100          | 3500     |
|                           | Low Speed    | CMH   | 1200                 | 1350   | 1900     | 2400          | 2750     |
| SPLat 3m                  | High Speed   | dB(A) | 56                   | 58     | 58       | 62            | 60       |
|                           | Medium Speed | dB(A) | 53                   | 53     | 56       | 59            | 57       |
|                           | Low Speed    | dB(A) | 49                   | 51     | 54       | 55            | 53       |
| Motor                     |              |       |                      |        |          |               |          |
| Voltage/Frequency         |              |       | 1 Ph - 230 V - 50 Hz |        |          |               |          |
| Poles                     |              |       | 4P                   | 4P     | 4P       | 6P            | 6P       |
| Maximum Power Consumption | High Speed   | Watt  | 327                  | 818    | 985      | 1200          | 1200     |
|                           | Medium Speed | Watt  | 299                  | 624    | 666      | 763           | 763      |
|                           | Low Speed    | Watt  | 259                  | 523    | 493      | 560           | 560      |
| Nominal Motor Power       |              | Watt  | 150                  | 315    | 600      | 730           | 730      |
| Class                     |              |       | Class B IP 21        |        |          | Class F IP 21 |          |
| Speed Control             |              |       |                      |        |          |               |          |
|                           |              |       | 3 Speed              |        |          |               |          |
| RPM                       | High Speed   | RPM   | 1150                 | 1210   | 1200     | 900           | 900      |
|                           | Medium Speed | RPM   | 950                  | 1100   | 1100     | 800           | 800      |
|                           | Low Speed    | RPM   | 800                  | 1000   | 950      | 750           | 750      |
| Amp                       | High Speed   | A     | 1.49                 | 3.98   | 4.55     | 5.38          | 5.38     |
|                           | Medium Speed | A     | 1.35                 | 3.07   | 3.1      | 3.52          | 3.52     |
|                           | Low Speed    | A     | 1.187                | 2.62   | 2.51     | 2.5           | 2.5      |
| Capacitor                 |              |       |                      |        |          |               |          |
| Capacitance               |              | μF    | 10μF                 | 10μF   | 18μF     | 18μF          | 18μF     |
| Rated Voltage             |              | Volt  | 450V                 | 450V   | 450V     | 450V          | 450V     |
| Fan                       |              |       |                      |        |          |               |          |
| Size                      |              |       | DD7/7                | DD9/7  | DD 12/10 | DD 12/9       | DD 12/12 |
| Wheel Diameter            |              | mm    | 200                  | 250    | 280      | 330           | 330      |
| Easing Material           |              |       |                      |        |          |               |          |
| Easing Material           |              |       | Galvanised Steel     |        |          |               |          |
| Overall Dimension         | H            | mm    | 364                  | 441    | 491      | 578           | 578      |
|                           | W            | mm    | 453                  | 490    | 550      | 602           | 602      |
|                           | L            | mm    | 633                  | 706    | 796      | 896           | 896      |
| Weight                    |              | kg    | 16.4                 | 24.6   | 33.6     | 37.4          | 39.4     |

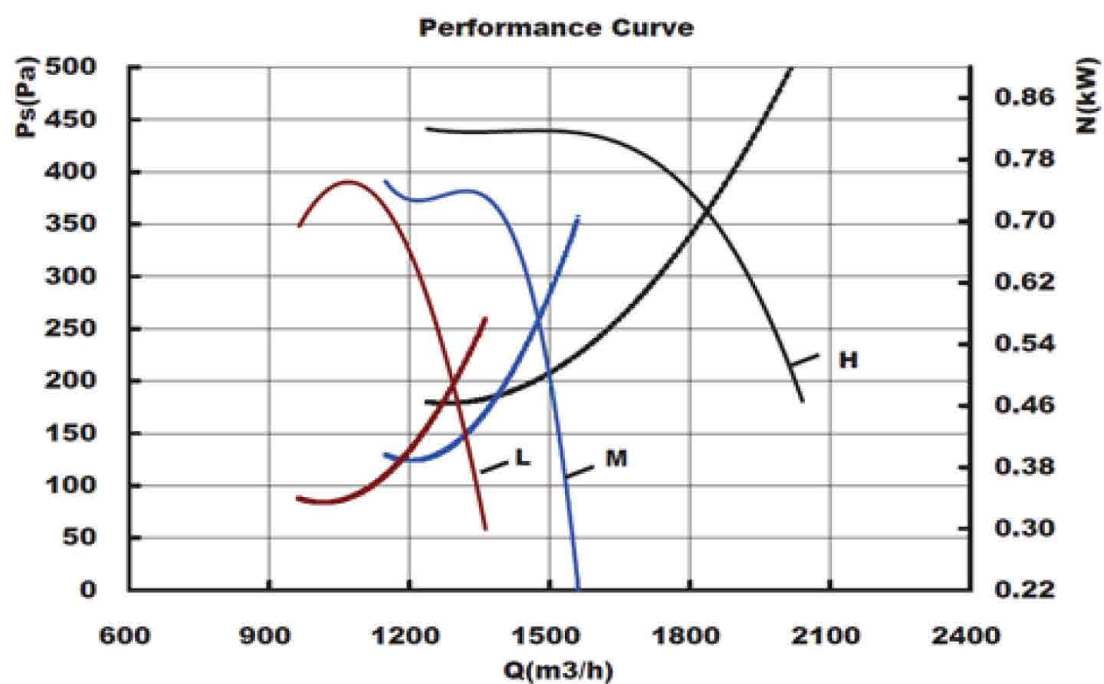
Note : Noise level measurement conducted at free field at 3 meter



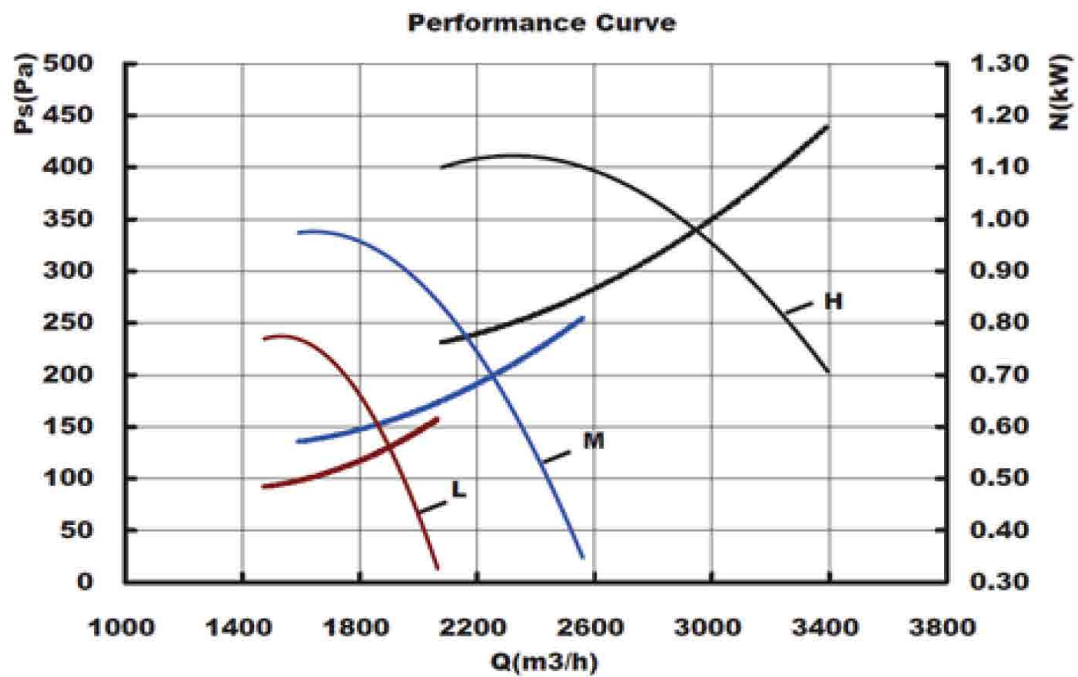
DCD200 - 07/07



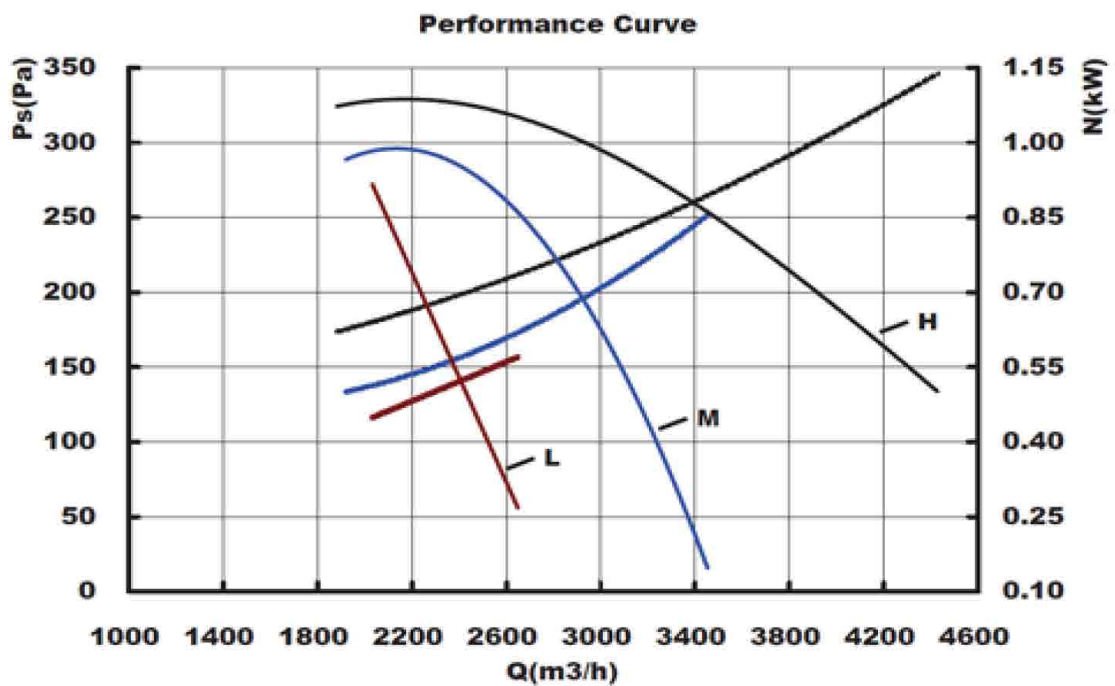
DCD250 - 09/07



# DCD300 - 10/10

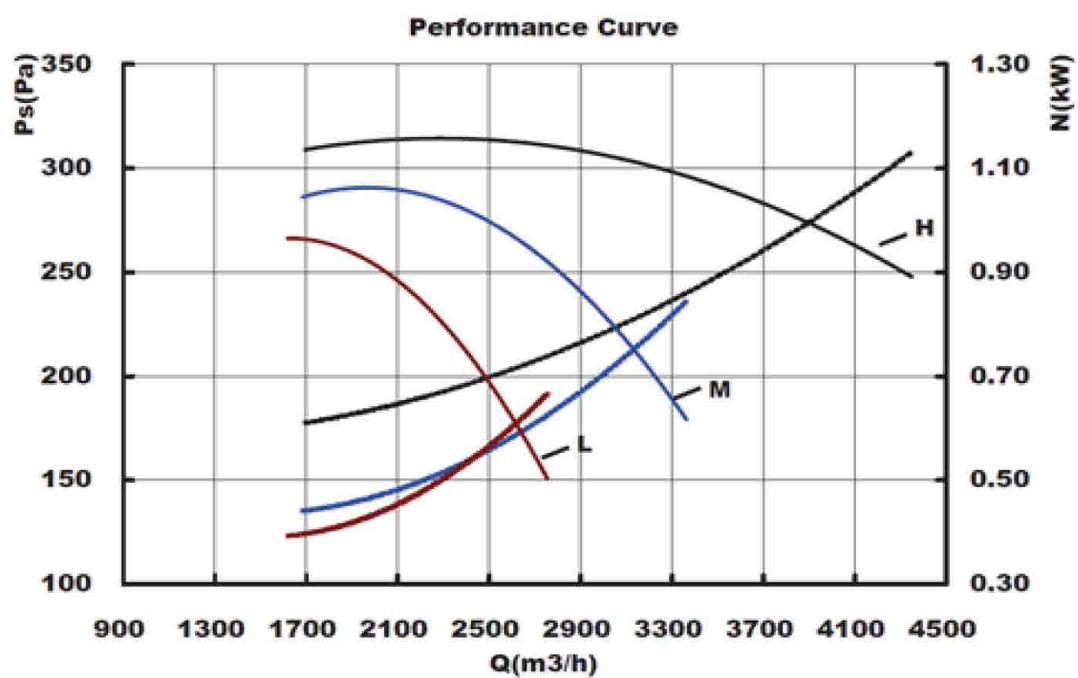


# DCD350 - 12/09

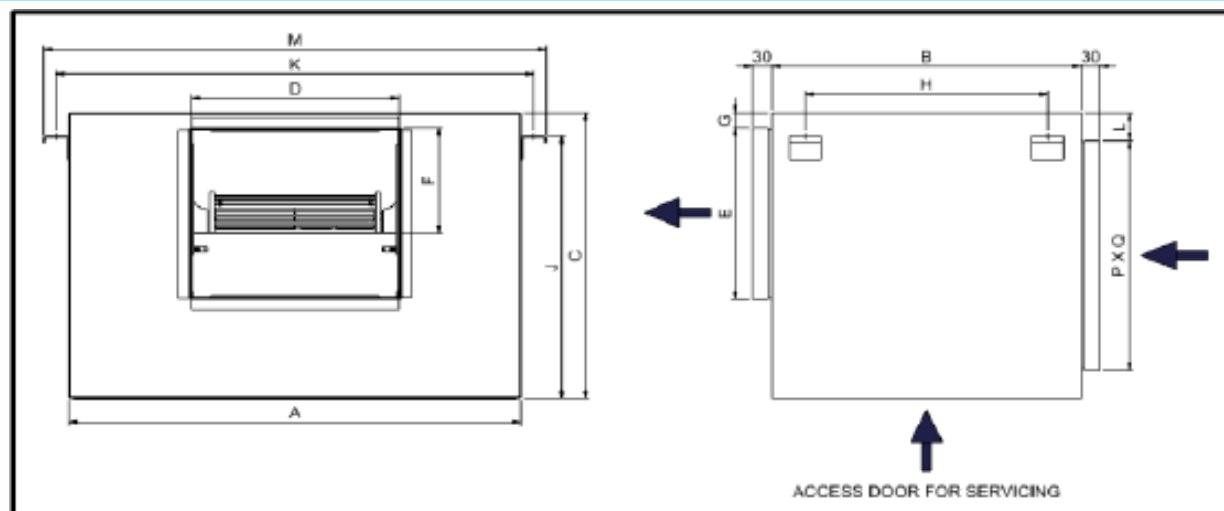




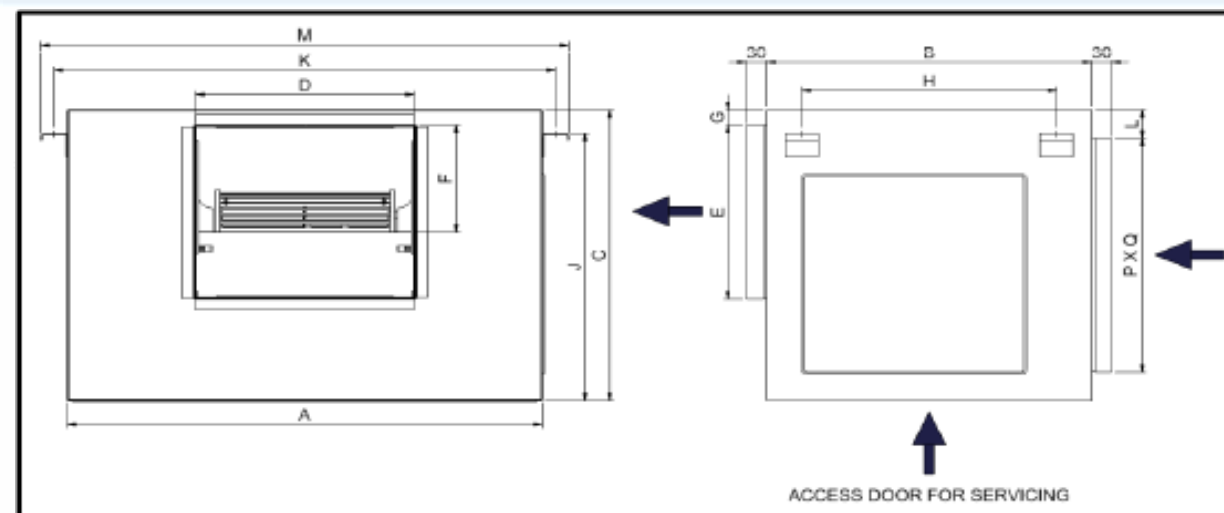
DCD400 - 12/12



## Overview Dimension

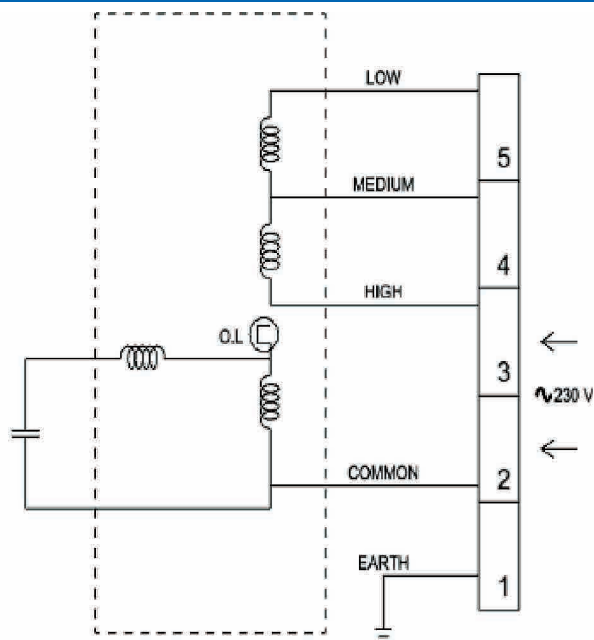


| MODEL  | A   | B   | C   | D   | E   | F   | G  | H   | J   | K   | L  | M   | p   | Q   |
|--------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|
| DCD200 | 553 | 393 | 364 | 233 | 208 | 138 | 28 | 290 | 324 | 593 | 30 | 633 | 432 | 303 |
| DCD250 | 626 | 430 | 441 | 233 | 262 | 160 | 28 | 324 | 401 | 666 | 50 | 706 | 505 | 340 |

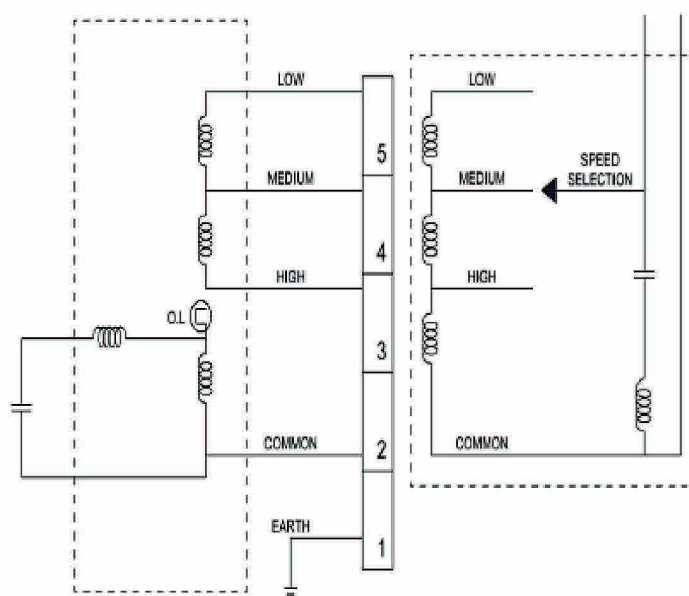


| MODEL  | A   | B   | C   | D   | E   | F   | G  | H   | J   | K   | L  | M   | p   | Q   |
|--------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|
| DCD300 | 716 | 490 | 491 | 331 | 290 | 180 | 28 | 384 | 451 | 756 | 50 | 796 | 595 | 390 |
| DCD350 | 816 | 542 | 578 | 309 | 350 | 214 | 28 | 446 | 538 | 856 | 61 | 896 | 645 | 453 |
| DCD400 | 816 | 542 | 578 | 394 | 350 | 214 | 28 | 446 | 538 | 856 | 61 | 896 | 645 | 453 |

### WIRING DIAGRAM



### WIRING DIAGRAM WITH SPEED CONTROL



POWER CONNECTION  
 $\sim$  220V - 230V-50Hz / 60Hz

### Information:

#### Speed Regulation

#### A) Multi-speed Motors

Generally at the speed (available at the junction box) that the user can select through a switch, according to The wiring diagram supplied with the fan.

These Motors :

#### • “Do Not Allow” :

Any further regulation by means or electric triac Regulators or frequency static converters

#### • “Allow” :

The use of transformers or devices which do not Modify the sinusoidal wave line.





### **Germany Factory (HQ)**

Germany Factory    DLK Ventilatoren GmbH  
Address            Ziegeleistraße 18,  
                      74214 Schöntal, Germany  
Phone              +49 7943 91020  
Email               sales.asia@dlk.com

### **Malaysia Factory (Regional HQ)**

Malaysia Factory    DLK Ventilatoren Malaysia Sdn. Bhd.  
Address            22, Jalan Mega 2/1, Kawasan  
                      Perindustrian Mega 2, 43500 Semenyih,  
                      Selangor, Malaysia  
Phone               (603) 8725 0845  
Email               sales@dlkasia.com

**WWW.DLKASIA.COM**

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Malaysia Distributor