

# **AWE ENVIRONMENTAL SYSTEMS PTE LTD**

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ISO 9001:2000 Cert.No.: 2228



**Caring For World Environment**

***AWE ENVIRONMENTAL SYSTEMS PTE LTD  
(Fiberglass HD-LE Fan)***





## FRP HD-LE - Centrifugal Fans

### Specification

#### Sizes

Available in sizes (inlet diameter in mm) from 125 up to 1250 with output air volumes up to 100,000 m<sup>3</sup>/h at maximum pressure difference of 4,000 Pa.

#### General Dimensions Available :

Model	Dimension (mm)		
	Length	Width	Height
HD-LE 630	1940	1500	1560
HD-LE 800	2290	1640	1940
HD- LE 1000	2840	1940	2350
HD – LE 1250	3620	2220	2860

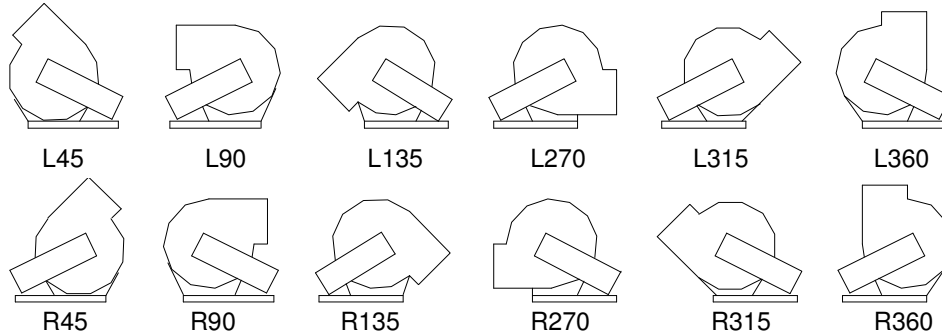
HD-LE – Heavy Duty, Low Energy

#### Material

Constructed out of fibre-reinforced plastic (FRP), which is highly resistant against most corrosive industrial gases.

## Fan Discharge Position

Viewed from drive side



## Impeller

The fan impeller has 6 backward curved FRP blades, dynamically balanced with non-overloading characteristic.

## Housing

The housings are sized for the required pressures and mechanical loadings. Access door is provided for ease of maintenance and repair. There is a condensate drain at the housing lowest point.

## Base Frame

The base frames of the fans are constructed of steel C channel, complete with an adjustable belt tension plate for mounting of fan motor and painted with a primer coating.

## Installation

The fan is supplied with spring isolators. It is recommended to connect the suction and discharge side to ducting with flexible joints that can be supplied at extra cost.

## Required data

The following data are required to select the correct fan:

Volume flow:	(m <sup>3</sup> /h)
Total head pressure difference:	(Pa)
Medium compressed:	(composition, density, temperature)
Discharge position:	
Current and voltage of motor:	