

# High efficiency medium pressure radial fan in plastic CMHV 450 - 1250

## Performance

Flow rate:	min. 3000 m <sup>3</sup> /h to max. 100'000 m <sup>3</sup> /h
Static pressure:	min. 300 Pa to max. 3'000 Pa
Efficiency:	max. 80 %
Inlet-Ø:	450, 500, 560, 630, 710, 800, 900, 1000, 1120, 1250 mm

## Housing

- Self-supporting plastic construction, welded
- Available in: PP, PPs, PPs-el, PE, PVC, PVDF
- 6 different outlet positions

## Impeller

- High efficiency impeller (Patent angemeldet)
- 8 backward curved blades
- Mechanically welded
- Tested on overspeed test stand above nominal rate
- Torque transmission via standard taper lock system
- Balanced dynamically and statically in two ranges
- Balancing quality Q 6.3
- Available in: PP-glass fibre reinforced

## Support

- Sturdy metal construction
  - up to size 800
    - galvanized
    - stainless steel
  - From size 900 and higher, profile-construction, hot-dip galvanized

## Drive

- |               |   |
|---------------|---|
| Direct drive: | - Impeller is mounted directly to the motor shaft   |
| V-belt drive: | - Power transmission via V-belt<br>- Impeller Shaft supported by heavy-duty self-aligning ball or roller bearings |
| Motor:        | - Three-phase motor <ul style="list-style-type: none"><li>- one / multi-stage</li><li>- Foot motor</li></ul>      |

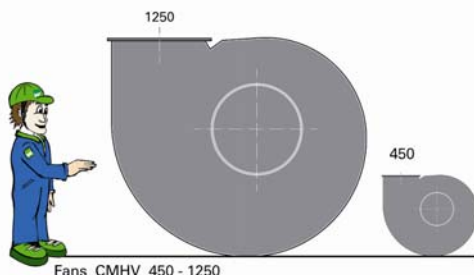
## Hub seal

- Standard hub seals
- Lip seal simple or double (V4A or Hastelloy)
- Back absorption
- Sealing gas
- Back plates

## Accessories

- PVC sleeve with fixing bands, stainless
- PVC sleeve with flange
- Counterflange
- Drain
- Vibration absorber for ground erection
- Splinter protection
- Weather-proof motor cover for outside installation
- Inspection hole
- Frequency converter IP 66 / IP 54 / IP 20

## Dimensions



COLASIT AG  
Plastic construction  
CH-3700 Spiez

