FANS

CHVN 315 - 1250

High pressure radial fan
in plastic
Direct- or V-belt drive

Flow rate in m³/h

Static pressure in Pa
High pressure radial fan in plastic

**Performance**
- Flow rate: min. 1500 m³/h to max. 132'000 m³/h
- Static pressure: min. 400 Pa to max. 5'300 Pa
- Efficiency: max. 72%
- Inlet-Ø: 315, 355, 400, 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**
- 12 backward-curved blades
- Available in: PP, PPs-el, PVDF
- Tested on an overspeed test stand
- Torque transmission via a standard taper lock system
- Balanced dynamically and statically in two ranges, balancing quality Q 6.3
- Tip speeds up to 90 m/s possible

**Support**
- Sturdy metal construction up to model 710
  - Galvanized
  - Stainless steel
  - Model 800 and higher, profil-construction, hot-dip galvanized

**Drive**
- Direct drive: Impeller is mounted directly to the motor
- V-belt drive: Power transmission over v-belt drive
  - Impeller shaft is supported by heavy-duty self-aligning roller bearings
- Motor: Three-phase motor
  - One / multi-stage
  - Foot motor

**EX-Protection**
- CHVN 315 – 710 in ATEX. Available zone 1 + 2

**Hub seal**
- Standard hub seal
- 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**

Edition 2008 / Subject to alteration
Copyright by COLASIT AG Spiez