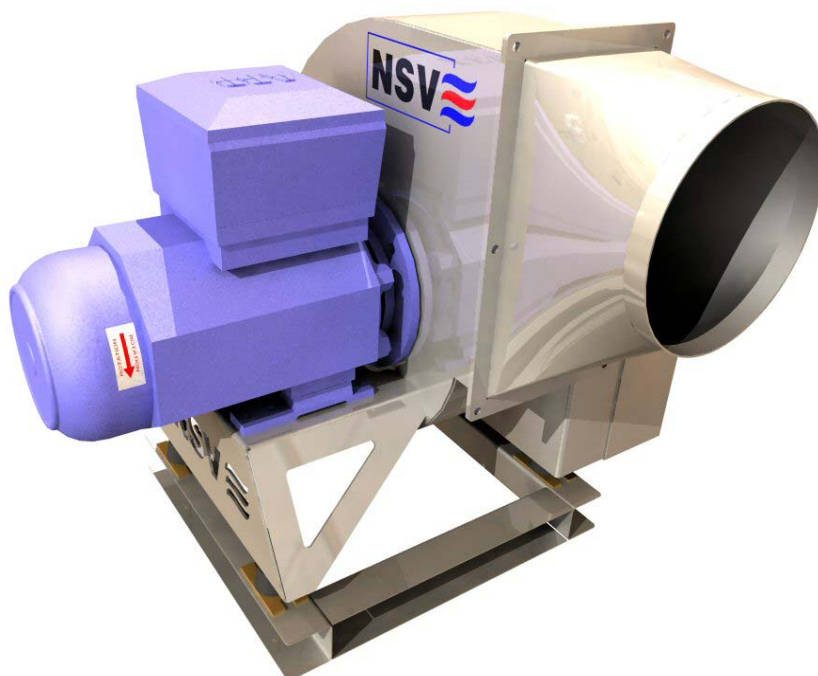


## ATEX Certified Range PF250 Pressurisation Fans



These fans are a re-engineered variant of NSV's popular and highly reliable PF series but now incorporating full ATEX approval, increased 250mm diameter impeller wheel and client specify-with-order customisation features.

The fan unit is very compact: LxWxH = approx. 600x700x700mm dependent upon handing. They are ideally suited where pressurisation and ventilation is required for onshore and offshore locations, e.g.: temporary hire modules or permanently installed modular buildings. Contact NSV for a certified drawing.

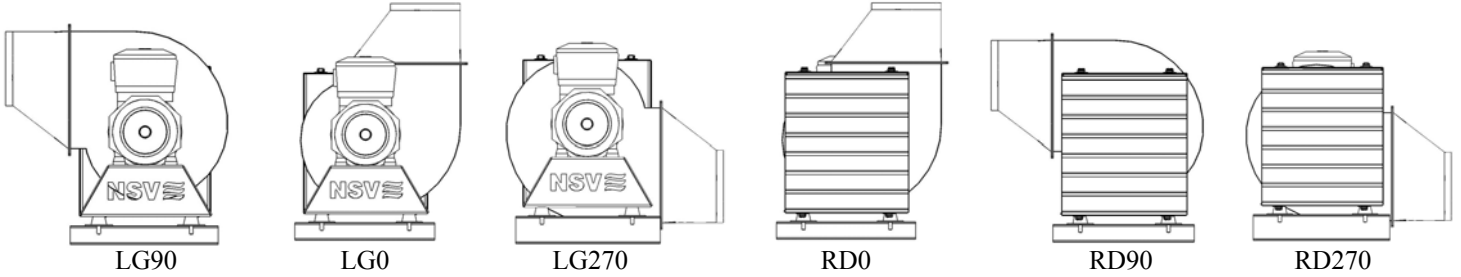
PF250 fan sets are made from 316L welded stainless steel and include the following features as standard:

- 1.5kW Exde IIC T4 400/3/50 & 440/3/60 dual certified motor
- 250mm backward curved directly coupled SISW impeller c/w airflow volume and constant pressure adjustment device
- Mounting frame c/w anti-vibration spring mounts
- Louvre intake c/w EU3 filter
- Certification for Zone 1 ATEX 2G IIC T4 as standard

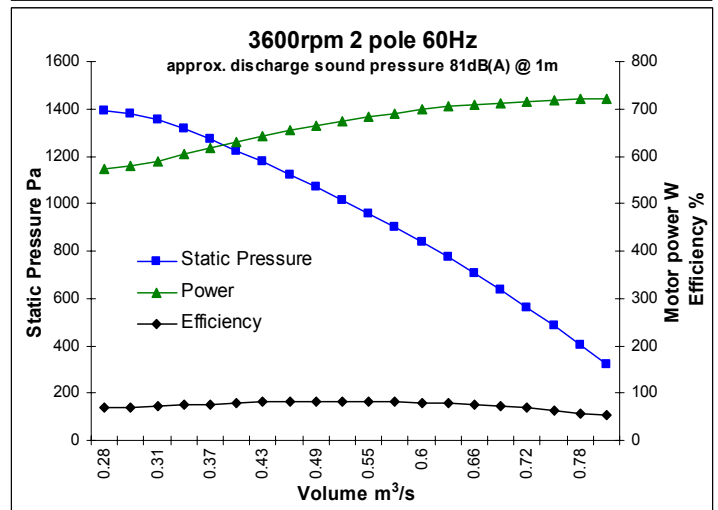
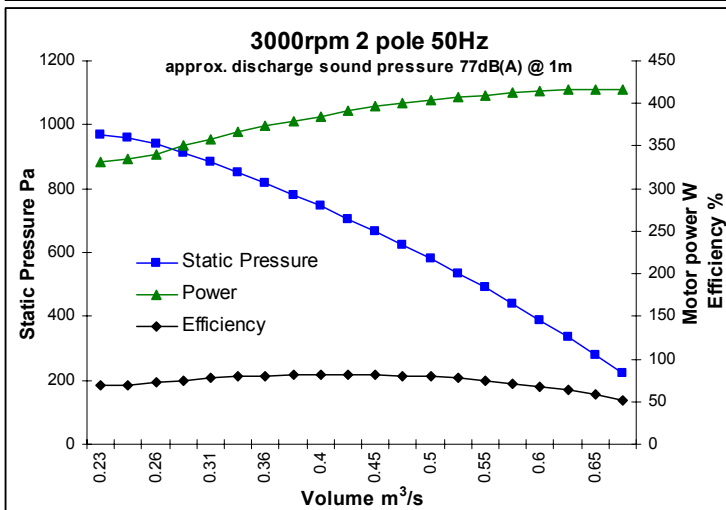
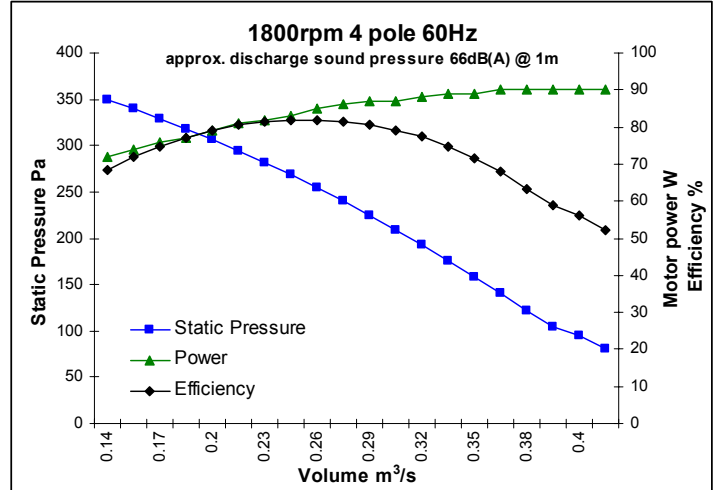
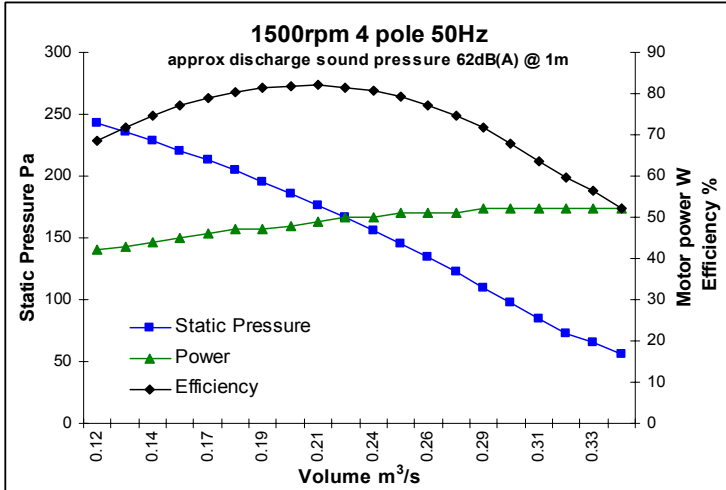
A range of client specified arrangements and options are available including:

- 2 or 4 pole B35 cast iron frame IEC specification motor
- left or right fan handing
- 0°, 90° or 270° discharge angle
- Form D 'ducted inlet – ducted outlet' for extract applications. (Form B 'free inlet – ducted outlet' as standard)
- Ø200mm circular spigot connection (rectangular flanged connection as standard)
- Marine grade anti-vibration mounts (encapsulated spring mounts as standard)
- Pre-wired local EExde IIC T6 4 pole lockable isolator
- Local EExde IIC T6 latching mushroom head emergency stop station
- Coalescer and separator intake plenum option c/w drain connection

## Fan Handling Options:



**Performance Curves:** (Data to ISO5801 pt 1 class B. Allow 75Pa @ 4pole or 300Pa @ 2pole for the filter and intake box)



## Part Number Configuration:

**“PF250 – 2P- 400/3/50 – LG90 – B – R – ES – LI-SF”**

- ‘2P’ = 2 pole motor
- ‘400/3/50’ = V/Ph/Hz
- ‘LG90’ = handling
- ‘B’ = form B louvre intake
- ‘R’ = rectangular flanged outlet
- ‘ES’ = encapsulated spring
- ‘LI’ = local isolator
- ‘SF’ = standard filter (EU3)

- insert ‘4P’ for 4 pole motor
- insert required voltage/phase/frequency
- insert ‘LG0, LG270, RD0, RD90 or RD270’ for alternatives
- insert ‘D’ for flanged ducted intake
- insert ‘C’ for circular spigot outlet for slip-on ducting
- insert ‘MG’ for marine grade anti-vibration mounts
- insert ‘ES’ for emergency stop (leave blank if neither)
- insert ‘CF’ for coalescer and separator filter (EU3) c/w drain

*For custom fan designs or for other fan duty applications please consult NSV, we will be happy to help.*



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