

# G-Series Plug Fans with Generation 3 EC Motor

*The G Series offers a range of high efficiency, high pressure backward curved metal plug fans with generation 3 EC motors. Available in three phase variants from stock or on short lead times.*

## G-Series Modular EC Plug Fans (CIG)

G series plug fans combined with electronically commutated motors (EC-motors), form a very compact, efficient and optimised fan unit. The high pressure optimised impeller is manufactured from sheet steel metal coated in quartz grey and features 6 backward curved, profiled blades and an efficiency optimised diffuser wheel. The range impresses with a low depth for a simple installation and fast start-up is ensured because of well-integrated components.



## Generation 3 EC Motor

The Generation 3 EC motor from Rosenberg is 30% more powerful than the previous generation. As standard, the motors input voltage range is 200-480 VAC (50/60Hz) and offers additional upgrades such as an integrated inspection LED to visualise the motors condition, improved ModBus RTU functionality, electronic quick change technology (EQC), IT network support. The maximum electrical input power is 4.7kW.



**The G-Series offers constant volume while providing the high pressure requirements of sensitive market applications.”**

## Key Features & Benefits

Expertly designed and manufactured to the highest standards by The Rosenberg Group in Germany, the high pressure optimised G series range of plug fans are available in 3~. A full range of datasheets are available upon request, contact us for more information.

### Sheet Steel Metal Impeller (CIG)

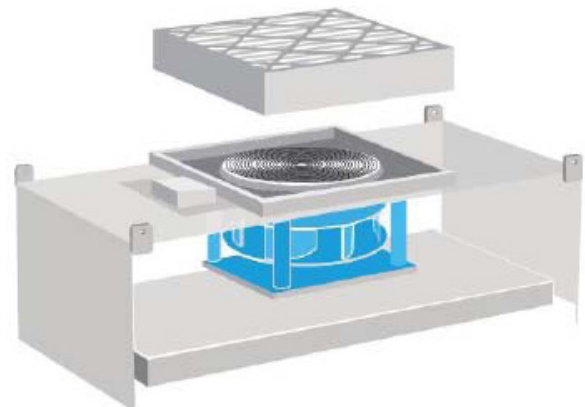
The quartz grey (RAL 7039) sheet steel metal impeller of the G-wheel features 6 backward curved, profiled blades and an efficiency optimised diffuser wheel for sound and pressure optimised behaviour. Mounting either horizontally or vertically.

### EC Generation 3 Motor (Gen 3)

The Gen 3 EC motor from Rosenberg exceeds in accordance with IEC 60034-30-2 minimum requirements for IE5 and is 30% more powerful than the Gen 2 equivalent. Gen 3 motors allow for an input voltage of 200-480VAC, 50/60Hz in the same reference.

### Fan Applications

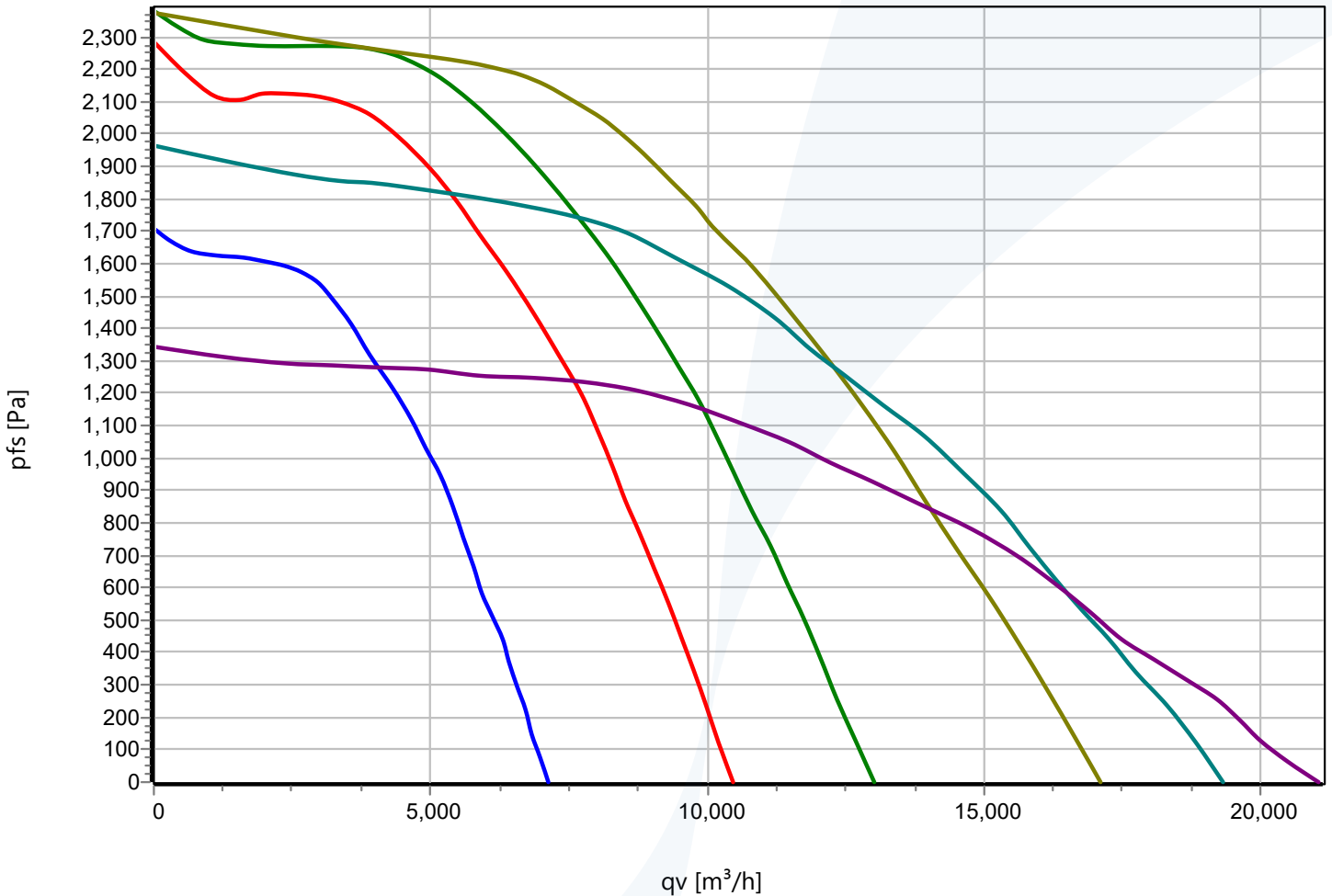
G series plug fans are ideal for containment, cleanroom and other sensitive high pressure applications.



**G-Series Material:**

Galvanised sheet steel in quartz grey (RAL 7039)

GKHR 355-CIG.102.5HF IE Gen3	N86-35601
GKHR 400-CIG.114.6FF IE Gen3	N86-40602
GKHR 450-CIG.128.6IF IE Gen3+	N86-45603
GKHR 500-CIG.143.6NA IE Gen3+	N86-50604
GKHR 560-CIG.160.6NA IE Gen3+	N86-56604
GKHR 630-CIG.180.6NA IE Gen3+	N86-63601



**Download our fan selection software  
RoVent 10 for fast & simple data comparisons.**

**Fan Selection Software**

All Rosenberg EC plug fan information such as operating duties and performance curves can be found on the bespoke RoVent 10 selection software. Simple to download and easy to use. Find the right fan for your application. Request a code by scanning the QR code.



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