Premix-ready Radial Blowers
with EC motor

ebmpapst
The engineer's choice

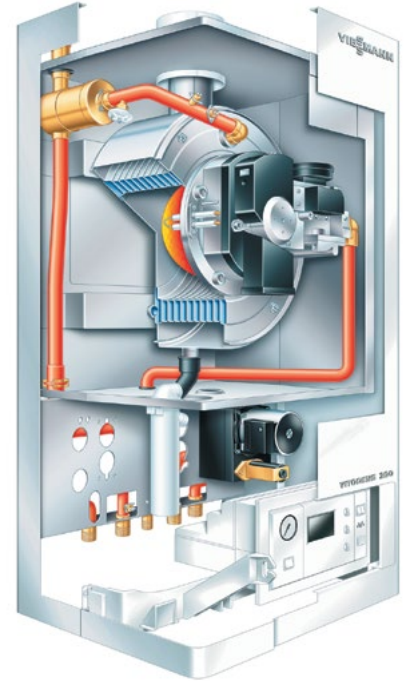**Premix-ready radial blowers with EC motor**

ebm-papst premix gas blower technology is a solution to meet increased energy and environmental demands that are being placed on appliance and combustion engineers. Our product combined with specialty gas valves and burners can provide a solution to meet low NOx and CO emissions through improved control of air-gas mixtures. Designed for high-efficiency forced draft gas-fired boiler systems, our premix gas blowers feature state-of-the-art brushless DC (EC) motor technology for full speed modulation, high static pressures, and low noise levels. Take your projects to the next level by discussing your needs with one of our experienced application engineers. ebm-papst has the right air movement solution for you!

Features and benefits

- Die-cast aluminum sealed housings
- Anti-spark backwards curved impellers
- Resilient motor mounts for vibration dampening
- PWM signal input for full speed modulation
- Rated voltage: 24VDC, 115VAC, 230VAC and 460VAC
- Long life, maintenance-free ball bearing system
- (11) models available sized for input rates up to 4 MM Btuh

Applications

- Boilers
- Water heaters
- Commercial cooking equipment
- Packaged burner systems
- Commercial himidification equipment

NRG77

NRG118

RG128

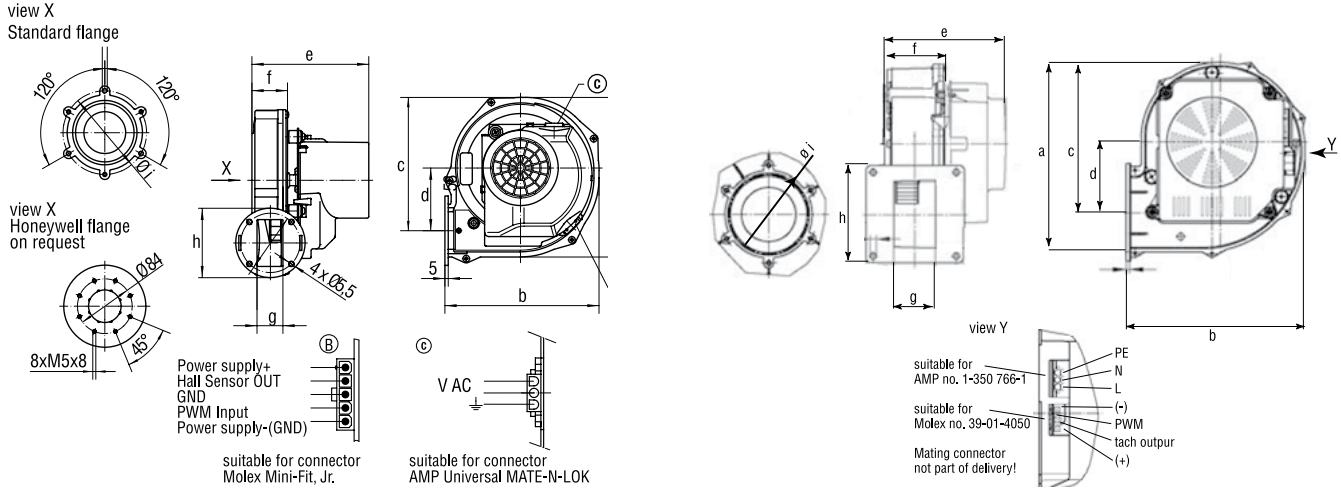RG130

NRG137

RG148

RG175

G1G170

G3G200

G3G250

G3G250-MW

Mechanical Data

view X
Standard flange

view X
Honeywell flange
on request

8xM5x8

Power supply+
Hall Sensor OUT
GND
PWM Input
Power supply-(GND)

suitable for connector
Molex Mini-Fit, Jr.

V AC

suitable for connector
AMP Universal MATE-N-LOK

view Y

suitable for
AMP no. 1-350 766-1

suitable for
Molex no. 39-01-4050

Mating connector
not part of delivery!

PE
N
L
(-)
PWM
tach outpur
(+)

Radial Blowers with EC Motor	a	b	c	d	e	f	g	h	i
Type	Dimensions in mm								
NRG77	-	-	-	-	-	-	-	-	-
NRG118	166	163	100	58	100	40	29	-	100
RG128	175	175	-	55	105-116	44.5	40	83	80
RG130	193	175	-	58	103	38	21	83	80
NRG137	210	187	-	75	max 149	52.8	42	-	100
RG148	191	185	159	75	108-145	42.5	31	83	100
RG175	246	233	202	92	170	70	55	110	140
G1G170	273	257	216	101	176	77	60	140	140
G3G200	356	323	-	124	237	110	90	180	-
G3G250	459	434	265	171	249	121	92	220	220
G3G250-MW	459	434	265	171	395	121	92	220	220

Performance Data
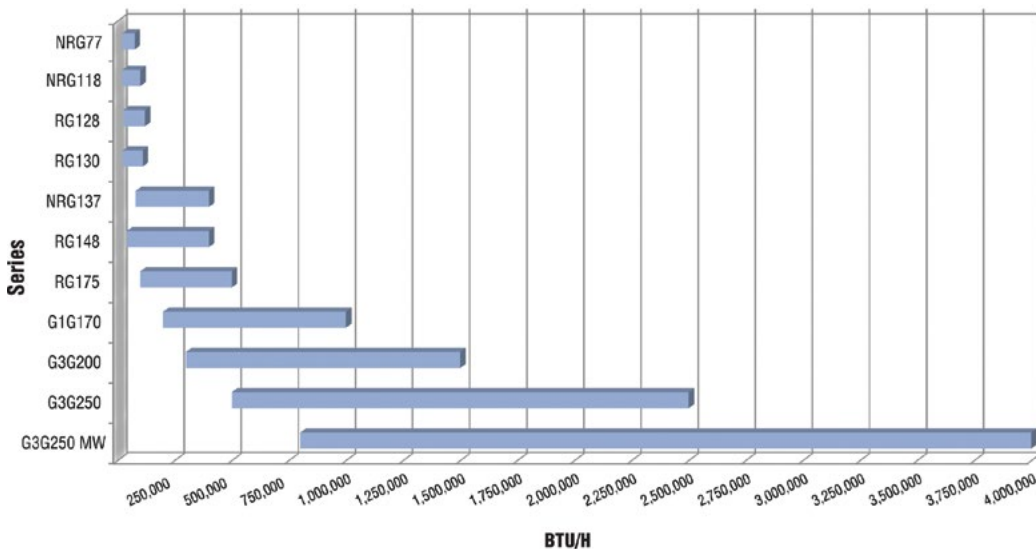
Data is based on system resistance of common condensing boiler designs; therefore, actual rates may vary with system components.

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