

# COMBI BR

Vacuum Pump Units



VACUUM SOLUTIONS



## Reliable

Vacuum pump units with robust and proven R5 backing pumps enhanced by PANDA/PUMA vacuum boosters, reliable operation, minimal maintenance

## High performance

High pumping speeds at low ultimate pressures, short pump-down time, higher energy efficiency compared to a single vacuum pump

## Flexible

Various design options available, different combinations of backing pumps and vacuum boosters possible, minimized footprint

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	BRV 0500 C 0205 DA	BRV 1200 A 0205 DA	BRV 1200 A 0305 DA	BRV 1800 A 0305 DA
PANDA vacuum booster	WV 0500 C	WV 1200 A	WV 1200 A	WV 1800 A
R5 rotary vane vacuum pump	RA 0205 D	RA 0205 D	RA 0305 D	RA 0305 D
Pumping speed at 1 mbar	470 / 560 m <sup>3</sup> /h (50 / 60 Hz)	890 / 1065 m <sup>3</sup> /h (50 / 60 Hz)	920 / 1100 m <sup>3</sup> /h (50 / 60 Hz)	1250 / 1510 m <sup>3</sup> /h (50 / 60 Hz)
Ultimate pressure	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)
Nominal motor rating	7.7 / 9.6 kW (50 / 60 Hz)	9 / 11.4 kW (50 / 60 Hz)	11 / 14 kW (50 / 60 Hz)	11.8 / 14.4 kW (50 / 60 Hz)
Approximate weight	350 kg (50 / 60 Hz)	450 kg (50 / 60 Hz)	500 kg (50 / 60 Hz)	550 kg (50 / 60 Hz)

	BRV 2400 A 0305 DB	BRV 2400 A 0400 CA	BRV 2400 A 0630 CA
PANDA vacuum booster	WV 2400 A	WV 2400 A	WV 2400 A
R5 rotary vane vacuum pump	RA 0305 D	RA 0400 C	RA 0630 C
Pumping speed at 1 mbar	1730 / 2070 m <sup>3</sup> /h (50 / 60 Hz)	1840 / 2195 m <sup>3</sup> /h (50 / 60 Hz)	1900 / 2250 m <sup>3</sup> /h (50 / 60 Hz)
Ultimate pressure	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)
Nominal motor rating	13.0 / 16.2 kW (50 / 60 Hz)	19.0 / 22.0 kW (50 / 60 Hz)	20.5 / 25.5 kW (50 / 60 Hz)
Approximate weight	850 kg (50 / 60 Hz)	1050 kg (50 / 60 Hz)	1250 kg (50 / 60 Hz)

	BRV 4500 B 0400 CA	BRV 4500 B 0630 CA
PANDA vacuum booster	WV 4500 B	WV 4500 B
R5 rotary vane vacuum pump	RA 0400 C	RA 0630 C
Pumping speed at 1 mbar	3260 / 3840 m <sup>3</sup> /h (50 / 60 Hz)	3550 / 4220 m <sup>3</sup> /h (50 / 60 Hz)
Ultimate pressure	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)
Nominal motor rating	24.5 / 27.6 kW (50 / 60 Hz)	28.5 / 33.5 kW (50 / 60 Hz)
Approximate weight	1250 kg (50 / 60 Hz)	1500 kg (50 / 60 Hz)

	BRV 0500 C 0240AA	BRV 1200 A 0240 AA
PANDA vacuum booster	WV 0500 C	WV 1200 A
R5 rotary vane vacuum pump	RD 0240 A	RD 0240 A
Pumping speed at 1 mbar	470 / 560 m <sup>3</sup> /h (50 / 60 Hz)	890 / 1065 m <sup>3</sup> /h (50 / 60 Hz)
Ultimate pressure	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)

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	BRV 0500 C 0240AA	BRV 1200 A 0240 AA
Nominal motor rating	6.2 / 7.2 kW (50 / 60 Hz)	7.5 / 9 kW (50 / 60 Hz)
Approximate weight	350 kg (50 / 60 Hz)	450 kg (50 / 60 Hz)

	BRV 1200 A 0360 AA	BRV 1800 A 0360 AA	BRV 2400 A 0360 AB
PANDA vacuum booster	WV 1200 A	WV 1800 A	WV 2400 A
R5 rotary vane vacuum pump	RD 0360 A	RD 0360 A	RD 0360 A
Pumping speed at 1 mbar	920 / 1100 m <sup>3</sup> /h (50 / 60 Hz)	1250 / 1510 m <sup>3</sup> /h (50 / 60 Hz)	1730 / 2070 m <sup>3</sup> /h (50 / 60 Hz)
Ultimate pressure	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)
Nominal motor rating	9 / 11.4 kW (50 / 60 Hz)	9.8 / 11.8 kW (50 / 60 Hz)	11 / 13.6 kW (50 / 60 Hz)
Approximate weight	500 kg (50 / 60 Hz)	550 kg (50 / 60 Hz)	850 kg (50 / 60 Hz)

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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