

**BOSCH**

Invented for life



Combined Heat and Power

CHP CE 100 NA (90/70)

Technical Data

	Unit	Performance data Outlet / Inlet 90 °C / 70 °C
CHP Outputs		
Electrical output at $\cos(\phi)=1$	kWel	100
Thermal output effective	kWth ($\pm 7\%$)	173
Gas consumption DIN ISO 3046-1	kW ($\pm 5\%$)	293
Modulation Range	%	70% - 100%
Efficiency at mains parallel operation		
Electrical efficiency effective	%	34,1%
Thermal efficiency effective	%	59,0%
Overall efficiency effective	%	93,1%
Power to heat ratio (AGFW FW308)	kWel / kWth	57,8%
Noise		
Primary Silencer	dB(A) in 1m	68,4
Secondary Silencer	dB(A) in 1m	49,9
Engine		
Engine manufacturer	-	MAN
Model	-	E2876 E312
Cylinder arrangement	-	Reihe
Number of cylinders	-	6
Dimension and Weight		
Length CHP	mm	3850
Width CHP	mm	1160
Height CHP	mm	1930
Operating weight max. features ca	kg	4000

Due to our ongoing commitment to product improvement these datasheets are subject to change without notice.

Please note: All noise measurements are stated as Sound Pressure Levels (SPL) at 1m. Detailed noise report available on request.

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Our BIM files can be downloaded from: <https://www.bosch-industrial.com/cad-bim-data>

**BOSCH**

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Combined Heat and Power

CHP CE 100 NA (93/80)

Technical Data

	Unit	Performance data Outlet / Inlet 93 °C / 80 °C
CHP Outputs		
Electrical output at $\cos(\phi)=1$	kWel	100
Thermal output effective	kWth ($\pm 7\%$)	171
Gas consumption DIN ISO 3046-1	kW ($\pm 5\%$)	293
Modulation Range	%	70% - 100%
Efficiency at mains parallel operation		
Electrical efficiency effective	%	34,1%
Thermal efficiency effective	%	58,4%
Overall efficiency effective	%	92,5%
Power to heat ratio (AGFW FW308)	kWel / kWth	58,5%
Noise		
Primary Silencer	dB(A) in 1m	68,4
Secondary Silencer	dB(A) in 1m	49,9
Engine		
Engine manufacturer	-	MAN
Model	-	E2876 E312
Cylinder arrangement	-	Reihe
Number of cylinders	-	6
Dimension and Weight		
Length CHP	mm	3850
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