



Ducted Packaged Units

Part Load Data

OPA 171 Econex (Pro) R32



 **Cooling Capacity**
5 kW – 20 kW

 **Heating Capacity**
4 kW – 21 kW

Cooling Capacity (kW)

TC = Total Capacity (kW).
SC = Sensible Capacity (kW).
PI = Power Input (kW)
E.A.T. = Entering Air Temperature

Nominal Air Flow: **900 l/s**

Note: Total Capacity figures are **gross** and do not include allowance for fan motor heat loss.

OPA 171 Econex (Pro) @Maximum capacity (900 l/s)

Indoor coil
E.A.T.

Outdoor coil Entering Air Temperature °C DB

D.B. °C	W.B. °C	20			25			30			35			40			45			50		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
20	14	17.1	10.8	5.1	17.5	11.4	5.4	17.8	11.9	5.8	18.0	12.5	6.3	18.3	13.0	6.7	18.5	13.5	7.2	18.7	14.0	7.7
	15	17.8	9.6	5.1	18.1	10.1	5.5	18.4	10.6	5.9	18.7	11.0	6.3	19.0	11.4	6.8	19.2	11.9	7.3	18.8	11.6	7.3
	16	18.5	8.3	5.2	18.9	8.7	5.6	19.2	9.0	6.0	19.5	9.3	6.4	19.7	9.7	6.9	19.9	10.0	7.3	19.5	9.7	7.3
	17	19.3	6.8	5.2	19.6	7.0	5.6	19.9	7.3	6.0	20.2	7.5	6.5	20.5	7.7	6.9	20.7	7.9	7.4	20.3	7.6	7.4
22	16	18.1	10.8	5.3	18.4	11.3	5.6	18.7	11.8	6.0	19.0	12.3	6.5	19.3	12.8	6.9	19.5	13.3	7.4	18.6	13.0	7.1
	17	18.8	9.5	5.3	19.1	10.0	5.7	19.4	10.4	6.1	19.7	10.8	6.5	19.9	11.2	7.0	20.2	11.6	7.5	19.3	11.3	7.1
	18	19.5	8.2	5.4	19.8	8.5	5.7	20.1	8.8	6.2	20.4	9.2	6.6	20.6	9.5	7.1	20.9	9.8	7.6	19.9	9.4	7.2
	19	20.2	6.6	5.4	20.6	6.9	5.8	20.9	7.1	6.2	21.2	7.3	6.7	21.4	7.5	7.2	21.6	7.6	7.7	20.1	7.3	6.9
24	16	17.9	12.8	5.3	18.2	13.4	5.7	18.5	14.1	6.1	18.8	14.8	6.6	19.0	15.4	7.0	19.2	16.1	7.5	18.4	15.7	7.2
	18	19.1	10.7	5.4	19.4	11.2	5.8	19.7	11.7	6.2	20.0	12.2	6.7	20.2	12.7	7.2	20.4	13.2	7.7	19.0	12.7	6.9
	20	20.5	8.0	5.5	20.8	8.4	5.9	21.1	8.7	6.4	21.4	8.9	6.8	21.6	9.2	7.3	21.8	9.5	7.8	18.8	9.3	6.2
	21	21.2	6.5	5.6	21.5	6.7	6.0	21.8	6.9	6.4	22.1	7.0	6.9	22.3	7.2	7.4	21.9	6.9	7.4	19.5	7.4	6.3
26	17	18.4	13.7	5.5	18.7	14.4	5.9	19.0	15.1	6.3	19.2	15.8	6.7	19.5	16.5	7.2	19.7	17.2	7.7	17.7	16.4	6.6
	19	19.5	11.7	5.6	19.8	12.3	6.0	20.1	12.9	6.4	20.4	13.5	6.9	20.6	14.0	7.3	20.2	13.8	7.3	18.0	13.8	6.3
	20	20.1	10.6	5.6	20.4	11.1	6.0	20.7	11.6	6.5	21.0	12.1	6.9	21.2	12.5	7.4	20.7	12.3	7.4	17.8	12.3	6.1
	22	21.4	7.9	5.7	21.8	8.2	6.1	22.1	8.5	6.6	22.3	8.7	7.0	22.5	9.0	7.5	21.5	8.6	7.1	17.8	9.3	5.6
27	18	18.9	13.7	5.6	19.2	14.4	6.0	19.5	15.1	6.4	19.7	15.8	6.9	20.0	16.5	7.3	19.5	16.4	7.3	16.8	15.9	6.1
	19	19.4	12.7	5.6	19.7	13.4	6.0	20.0	14.0	6.5	20.3	14.7	6.9	20.5	15.3	7.4	20.1	15.1	7.4	17.3	14.8	6.1
	20	20.0	11.7	5.7	20.3	12.3	6.1	20.6	12.8	6.5	20.9	13.4	7.0	21.1	13.9	7.5	20.2	13.6	7.1	16.7	13.4	5.6
	22	21.2	9.3	5.8	21.6	9.7	6.2	21.9	10.0	6.6	22.1	10.4	7.1	22.3	10.8	7.6	21.3	10.4	7.2	17.6	10.7	5.6
28	18	18.9	14.5	5.6	19.2	15.3	6.0	19.5	16.1	6.5	19.7	16.9	6.9	19.9	17.6	7.4	19.5	17.5	7.4	16.8	16.4	6.2
	20	19.9	12.7	5.7	20.3	13.4	6.1	20.5	14.0	6.6	20.8	14.6	7.0	21.0	15.2	7.5	20.1	14.9	7.1	16.6	14.5	5.6
	22	21.1	10.5	5.8	21.4	11.0	6.2	21.7	11.4	6.7	22.0	11.9	7.1	22.2	12.3	7.6	20.6	11.9	6.8	16.5	11.9	5.3
	24	22.4	7.8	5.9	22.7	8.0	6.3	23.0	8.3	6.8	23.3	8.5	7.3	23.5	8.8	7.8	21.1	8.6	6.5	16.3	8.9	4.9
30	19	19.4	15.4	5.8	19.7	16.2	6.2	20.0	17.0	6.6	20.3	17.8	7.1	20.5	18.6	7.6	19.0	18.0	6.9	15.3	14.9	5.3
	21	20.4	13.7	5.9	20.7	14.4	6.3	21.0	15.0	6.7	21.3	15.7	7.2	21.5	16.4	7.7	19.3	15.7	6.5	14.9	14.5	4.9
	23	21.5	11.6	5.9	21.8	12.1	6.4	22.1	12.7	6.8	22.4	13.2	7.3	22.6	13.7	7.8	19.5	13.1	6.2	14.4	11.9	4.6
	25	22.7	9.1	6.0	23.1	9.4	6.5	23.3	9.8	6.9	23.6	10.1	7.4	23.1	9.8	7.4	19.8	10.2	6.1	15.2	9.7	4.6
32	21	20.5	15.4	6.0	20.8	16.2	6.4	21.1	17.0	6.9	21.3	17.8	7.4	20.8	17.8	7.3	18.6	17.5	6.3	13.8	13.3	4.6
	23	21.5	13.6	6.1	21.8	14.3	6.5	22.0	15.0	7.0	22.3	15.7	7.4	21.8	15.5	7.4	18.7	15.2	6.1	13.1	12.6	4.2
	25	22.6	11.5	6.1	22.9	12.0	6.6	23.1	12.5	7.0	23.4	13.0	7.5	22.3	12.7	7.1	18.4	12.8	5.6	13.7	11.1	4.2
	26	23.1	10.3	6.2	23.5	10.7	6.6	23.7	11.1	7.1	24.0	11.5	7.6	22.9	11.2	7.2	18.9	11.6	5.6	14.0	10.1	4.3

Note: The cover image is a representative image only. The OPA 171 has a single outdoor air fan.

Performance Data at part load

Cooling Capacity (kW)

TC = Total Capacity (kW).
SC = Sensible Capacity (kW).
PI = Power Input (kW)
E.A.T. = Entering Air Temperature

○ = Nominal Capacity (kW)

Nominal Air Flow: **900 l/s**

Note: Total Capacity figures are **gross** and do not include allowance for fan motor heat loss.

OPA 171 Econex (Pro) @Nominal Capacity (900 l/s)

Indoor coil
E.A.T.

Outdoor coil Entering Air Temperature °C DB

D.B. °C	W.B. °C	20			25			30			35			40			45			50		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
20	14	14.2	9.9	3.6	14.4	10.4	3.8	14.7	10.9	4.1	15.0	11.3	4.5	15.2	11.8	4.8	15.4	12.2	5.2	15.5	12.7	5.6
	15	14.7	8.9	3.6	15.0	9.3	3.9	15.3	9.7	4.2	15.5	10.1	4.5	15.7	10.5	4.8	15.9	10.9	5.2	16.1	11.2	5.6
	16	15.3	7.9	3.6	15.6	8.2	3.9	15.9	8.5	4.2	16.1	8.8	4.5	16.3	9.1	4.9	16.5	9.4	5.2	16.7	9.6	5.7
	17	15.9	6.7	3.6	16.2	6.9	3.9	16.5	7.1	4.2	16.7	7.3	4.5	16.9	7.5	4.9	17.1	7.7	5.3	17.3	7.8	5.7
22	16	15.0	9.9	3.7	15.2	10.3	4.0	15.5	10.8	4.3	15.8	11.3	4.6	16.0	11.7	5.0	16.1	12.1	5.3	16.3	12.5	5.8
	17	15.5	8.9	3.7	15.8	9.3	4.0	16.1	9.7	4.3	16.3	10.0	4.6	16.5	10.4	5.0	16.7	10.8	5.4	16.8	11.1	5.8
	18	16.1	7.8	3.7	16.4	8.1	4.0	16.6	8.4	4.3	16.9	8.7	4.6	17.1	9.0	5.0	17.3	9.2	5.4	17.4	9.5	5.8
	19	16.7	6.6	3.7	17.0	6.8	4.0	17.2	7.0	4.3	17.5	7.2	4.7	17.7	7.3	5.0	17.9	7.5	5.4	18.0	7.7	5.9
24	16	14.8	11.5	3.7	15.1	12.1	4.0	15.3	12.7	4.3	15.6	13.3	4.7	15.8	13.8	5.0	15.9	14.4	5.4	16.1	14.9	5.9
	18	15.8	9.9	3.8	16.1	10.3	4.1	16.3	10.8	4.4	16.5	11.2	4.7	16.7	11.6	5.1	16.9	12.0	5.5	17.1	12.4	5.9
	20	16.9	7.8	3.8	17.2	8.0	4.1	17.4	8.3	4.4	17.6	8.6	4.8	17.9	8.8	5.2	18.0	9.1	5.6	18.2	9.3	6.0
	21	17.5	6.5	3.8	17.7	6.7	4.1	18.0	6.9	4.5	18.2	7.0	4.8	18.4	7.2	5.2	18.6	7.3	5.6	18.8	7.5	6.1
26	17	15.2	12.3	3.8	15.5	12.9	4.1	15.7	13.6	4.5	15.9	14.2	4.8	16.1	14.8	5.2	16.3	15.4	5.6	16.4	15.9	6.0
	19	16.1	10.8	3.9	16.4	11.3	4.2	16.6	11.8	4.5	16.8	12.3	4.8	17.0	12.7	5.2	17.2	13.2	5.6	17.3	13.6	6.1
	20	16.6	9.9	3.9	16.9	10.3	4.2	17.1	10.7	4.5	17.3	11.1	4.9	17.5	11.5	5.3	17.7	11.9	5.7	17.8	12.3	6.1
	22	17.7	7.7	3.9	17.9	7.9	4.2	18.2	8.2	4.6	18.4	8.4	4.9	18.6	8.7	5.3	18.8	8.9	5.7	18.9	9.1	6.2
27	18	15.6	12.3	3.9	15.9	13.0	4.2	16.1	13.6	4.5	16.3	14.2	4.9	16.5	14.8	5.3	16.7	15.4	5.7	16.8	15.9	6.1
	19	16.0	11.6	3.9	16.3	12.2	4.2	16.6	12.7	4.5	16.8	13.3	4.9	17.0	13.8	5.3	17.1	14.3	5.7	17.3	14.8	6.1
	20	16.5	10.8	3.9	16.8	11.3	4.2	17.0	11.8	4.6	17.2	12.2	4.9	17.4	12.7	5.3	17.6	13.1	5.7	17.7	13.6	6.2
	22	17.5	8.8	3.9	17.8	9.2	4.3	18.0	9.5	4.6	18.3	9.8	5.0	18.5	10.1	5.4	18.6	10.4	5.8	18.7	10.7	6.2
28	18	15.6	13.1	3.9	15.9	13.7	4.2	16.1	14.4	4.6	16.3	15.0	4.9	16.5	15.7	5.3	16.7	16.3	5.7	16.8	16.4	6.2
	20	16.5	11.6	4.0	16.7	12.2	4.3	17.0	12.7	4.6	17.2	13.2	5.0	17.4	13.8	5.4	17.5	14.3	5.8	17.7	14.7	6.2
	22	17.4	9.8	4.0	17.7	10.2	4.3	17.9	10.6	4.7	18.1	11.0	5.0	18.3	11.4	5.4	18.5	11.8	5.8	18.6	11.9	5.3
	24	18.5	7.6	4.0	18.7	7.9	4.3	19.0	8.1	4.7	19.2	8.3	5.1	19.4	8.6	5.5	19.5	8.8	5.9	19.6	8.9	4.9
30	19	16.1	13.8	4.0	16.3	14.5	4.3	16.6	15.2	4.7	16.8	15.9	5.1	17.0	16.5	5.5	17.1	16.7	5.9	17.3	14.9	5.3
	21	16.9	12.4	4.1	17.1	13.0	4.4	17.4	13.6	4.7	17.6	14.2	5.1	17.8	14.7	5.5	17.9	15.3	5.9	18.0	14.5	4.9
	23	17.8	10.7	4.1	18.0	11.2	4.4	18.3	11.7	4.8	18.5	12.1	5.1	18.6	12.6	5.6	18.8	13.0	6.0	18.9	11.9	4.6
	25	18.7	8.7	4.1	19.0	9.0	4.4	19.2	9.3	4.8	19.5	9.6	5.2	19.6	9.9	5.6	19.8	10.2	6.1	19.9	9.7	4.6
32	21	16.9	13.9	4.1	17.2	14.6	4.5	17.4	15.2	4.8	17.6	15.9	5.2	17.8	16.6	5.6	17.9	17.2	6.1	18.0	13.3	4.6
	23	17.7	12.4	4.2	18.0	13.0	4.5	18.2	13.6	4.9	18.4	14.2	5.3	18.6	14.7	5.7	18.7	15.2	6.1	18.8	12.6	4.2
	25	18.6	10.7	4.2	18.8	11.2	4.5	19.1	11.6	4.9	19.3	12.1	5.3	19.4	12.5	5.7	19.6	12.9	6.2	19.7	11.1	4.2
	26	19.1	9.7	4.2	19.3	10.1	4.6	19.6	10.5	4.9	19.8	10.8	5.3	19.9	11.2	5.8	20.1	11.5	6.2	20.2	10.1	4.3

Performance Data at part load

Cooling Capacity (kW)

TC = Total Capacity (kW).
SC = Sensible Capacity (kW).
PI = Power Input (kW)
E.A.T. = Entering Air Temperature

Nominal Air Flow: **900 l/s**

Note: Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. .

OPA 171 Econex (Pro) @Maximum less 25% (900 l/s)

Indoor coil
E.A.T.

Outdoor coil Entering Air Temperature °C DB

D.B. °C	W.B. °C	20			25			30			35			40			45			50		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
20	14	12.8	9.7	3.0	13.1	10.1	3.3	13.3	10.6	3.5	13.6	11.0	3.8	13.8	11.5	4.1	13.9	11.9	4.4	14.1	12.3	4.8
	15	13.3	8.9	3.1	13.6	9.2	3.3	13.8	9.6	3.6	14.1	10.0	3.8	14.3	10.3	4.1	14.4	10.7	4.5	14.6	11.0	4.8
	16	13.9	7.9	3.1	14.1	8.2	3.3	14.4	8.5	3.6	14.6	8.8	3.9	14.8	9.1	4.2	15.0	9.3	4.5	15.1	9.6	4.9
	17	14.4	6.8	3.1	14.7	7.1	3.3	14.9	7.3	3.6	15.2	7.5	3.9	15.4	7.6	4.2	15.5	7.8	4.5	15.7	8.0	4.9
22	16	13.6	9.7	3.1	13.8	10.2	3.4	14.1	10.6	3.6	14.3	11.0	3.9	14.5	11.4	4.2	14.6	11.8	4.6	14.8	12.2	4.9
	17	14.1	8.9	3.1	14.3	9.2	3.4	14.6	9.6	3.7	14.8	9.9	3.9	15.0	10.3	4.3	15.1	10.6	4.6	15.3	10.9	5.0
	18	14.6	7.9	3.1	14.8	8.2	3.4	15.1	8.5	3.7	15.3	8.7	4.0	15.5	9.0	4.3	15.6	9.2	4.6	15.8	9.5	5.0
	19	15.1	6.8	3.2	15.4	7.0	3.4	15.6	7.2	3.7	15.8	7.4	4.0	16.0	7.6	4.3	16.2	7.7	4.7	16.3	7.9	5.0
24	16	13.4	11.2	3.2	13.7	11.8	3.4	13.9	12.3	3.7	14.1	12.8	4.0	14.3	13.4	4.3	14.5	13.9	4.7	14.6	14.2	5.0
	18	14.3	9.8	3.2	14.5	10.2	3.5	14.8	10.6	3.7	15.0	11.0	4.0	15.2	11.4	4.4	15.3	11.8	4.7	15.5	12.1	5.1
	20	15.3	7.9	3.2	15.5	8.2	3.5	15.8	8.4	3.8	16.0	8.7	4.1	16.2	8.9	4.4	16.3	9.1	4.8	16.5	9.3	5.2
	21	15.8	6.8	3.2	16.1	7.0	3.5	16.3	7.1	3.8	16.5	7.3	4.1	16.7	7.5	4.4	16.9	7.6	4.8	17.0	7.7	5.2
26	17	13.8	11.9	3.3	14.0	12.5	3.5	14.2	13.1	3.8	14.5	13.7	4.1	14.6	14.2	4.4	14.8	14.3	4.8	14.9	14.5	5.2
	19	14.6	10.6	3.3	14.8	11.0	3.5	15.1	11.5	3.8	15.3	12.0	4.1	15.4	12.4	4.5	15.6	12.8	4.8	15.7	13.2	5.2
	20	15.0	9.8	3.3	15.3	10.2	3.6	15.5	10.6	3.8	15.7	11.0	4.2	15.9	11.3	4.5	16.0	11.7	4.9	16.2	12.0	5.3
	22	16.0	7.9	3.3	16.2	8.1	3.6	16.5	8.4	3.9	16.7	8.6	4.2	16.9	8.8	4.5	17.0	9.0	4.9	17.1	9.2	5.3
27	18	14.1	12.0	3.3	14.4	12.6	3.6	14.6	13.1	3.9	14.8	13.7	4.2	15.0	14.2	4.5	15.1	14.7	4.9	15.3	14.8	5.2
	19	14.5	11.3	3.3	14.8	11.8	3.6	15.0	12.4	3.9	15.2	12.9	4.2	15.4	13.4	4.5	15.5	13.8	4.9	15.6	14.3	5.3
	20	15.0	10.6	3.3	15.2	11.1	3.6	15.4	11.5	3.9	15.6	12.0	4.2	15.8	12.4	4.5	15.9	12.8	4.9	16.1	13.2	5.3
	22	15.9	8.9	3.3	16.1	9.2	3.6	16.3	9.5	3.9	16.5	9.8	4.2	16.7	10.1	4.6	16.9	10.4	5.0	17.0	10.6	5.4
28	18	14.2	12.6	3.3	14.4	13.3	3.6	14.6	13.9	3.9	14.8	14.4	4.2	15.0	14.5	4.6	15.1	14.7	4.9	15.2	14.8	5.3
	20	14.9	11.4	3.4	15.2	11.9	3.6	15.4	12.4	3.9	15.6	12.9	4.2	15.8	13.4	4.6	15.9	13.8	5.0	16.0	14.3	5.4
	22	15.8	9.8	3.4	16.0	10.2	3.7	16.2	10.6	4.0	16.4	10.9	4.3	16.6	11.3	4.6	16.7	11.6	5.0	16.8	11.9	5.4
	24	16.7	7.8	3.4	17.0	8.1	3.7	17.2	8.3	4.0	17.4	8.5	4.3	17.6	8.7	4.7	17.7	8.9	5.1	16.3	8.9	4.9
30	19	14.6	13.3	3.4	14.8	14.0	3.7	15.0	14.6	4.0	15.2	14.8	4.3	15.4	14.9	4.7	15.5	15.1	5.0	15.3	14.9	5.3
	21	15.3	12.1	3.4	15.5	12.7	3.7	15.7	13.2	4.0	15.9	13.7	4.4	16.1	14.3	4.7	16.2	14.8	5.1	14.9	14.5	4.9
	23	16.1	10.6	3.5	16.3	11.1	3.7	16.5	11.5	4.1	16.7	11.9	4.4	16.9	12.3	4.7	17.0	12.7	5.1	14.4	11.9	4.6
	25	17.0	8.9	3.5	17.2	9.2	3.8	17.4	9.4	4.1	17.6	9.7	4.4	17.8	10.0	4.8	17.9	10.2	5.2	15.2	9.7	4.6
32	21	15.3	13.4	3.5	15.6	14.1	3.8	15.8	14.7	4.1	16.0	15.3	4.5	16.1	15.7	4.8	16.2	15.8	5.2	13.8	13.3	4.6
	23	16.0	12.2	3.5	16.3	12.7	3.8	16.5	13.2	4.1	16.7	13.8	4.5	16.8	14.3	4.8	16.9	14.7	5.2	13.1	12.6	4.2
	25	16.8	10.7	3.6	17.1	11.1	3.9	17.3	11.5	4.2	17.5	11.9	4.5	17.6	12.3	4.9	17.7	12.7	5.3	13.7	11.1	4.2
	26	17.3	9.8	3.6	17.5	10.1	3.9	17.7	10.5	4.2	17.9	10.8	4.5	18.0	11.2	4.9	18.1	11.5	5.3	14.0	10.1	4.3

Performance Data at part load

Cooling Capacity (kW)

TC = Total Capacity (kW).
SC = Sensible Capacity (kW).
PI = Power Input (kW)
E.A.T. = Entering Air Temperature

Nominal Air Flow: **900 l/s**

Note: Total Capacity figures are **gross** and do not include allowance for fan motor heat loss.

OPA 171 Econex (Pro) @Maximum less 50% (900 l/s)

Indoor coil
E.A.T.

Outdoor coil Entering Air Temperature °C DB

D.B. °C	W.B. °C	20			25			30			35			40			45			50		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
20	14	8.6	7.3	1.9	8.8	7.6	2.1	8.9	7.9	2.2	9.1	8.2	2.4	9.2	8.5	2.6	9.3	8.8	2.8	9.4	9.0	3.1
	15	8.9	6.7	1.9	9.1	7.0	2.1	9.2	7.3	2.2	9.4	7.5	2.4	9.5	7.8	2.6	9.6	8.0	2.8	9.7	8.2	3.1
	16	9.3	6.2	1.9	9.4	6.4	2.0	9.6	6.6	2.2	9.7	6.8	2.4	9.9	7.0	2.6	10.0	7.2	2.8	10.1	7.3	3.1
	17	9.6	5.5	1.9	9.8	5.6	2.0	10.0	5.8	2.2	10.1	5.9	2.4	10.2	6.1	2.6	10.3	6.2	2.9	10.4	6.3	3.1
22	16	9.1	7.3	1.9	9.2	7.6	2.1	9.4	7.9	2.3	9.5	8.2	2.5	9.7	8.5	2.7	9.8	8.8	2.9	9.8	9.0	3.2
	17	9.4	6.8	1.9	9.6	7.1	2.1	9.7	7.3	2.3	9.8	7.6	2.5	10.0	7.8	2.7	10.1	8.0	2.9	10.1	8.2	3.2
	18	9.7	6.2	1.9	9.9	6.4	2.1	10.0	6.6	2.3	10.2	6.8	2.5	10.3	7.0	2.7	10.4	7.1	2.9	10.5	7.3	3.2
	19	10.1	5.5	1.9	10.2	5.7	2.1	10.4	5.8	2.3	10.5	5.9	2.5	10.7	6.0	2.7	10.8	6.2	2.9	10.8	6.2	3.2
24	16	9.0	8.3	2.0	9.1	8.7	2.2	9.3	8.9	2.3	9.4	9.0	2.5	9.5	9.1	2.7	9.6	9.2	3.0	9.7	9.3	3.2
	18	9.5	7.4	2.0	9.7	7.7	2.1	9.9	8.0	2.3	10.0	8.3	2.5	10.1	8.5	2.7	10.2	8.8	3.0	10.3	9.0	3.3
	20	10.2	6.2	2.0	10.4	6.4	2.1	10.5	6.6	2.3	10.6	6.8	2.5	10.8	6.9	2.8	10.8	7.1	3.0	10.9	7.2	3.3
	21	10.5	5.5	2.0	10.7	5.7	2.1	10.9	5.8	2.3	11.0	5.9	2.5	11.1	6.0	2.8	11.2	6.1	3.0	11.2	6.2	3.3
26	17	9.2	8.8	2.0	9.4	8.9	2.2	9.5	9.1	2.4	9.6	9.2	2.6	9.7	9.3	2.8	9.8	9.4	3.1	9.9	9.5	3.3
	19	9.7	8.0	2.0	9.9	8.3	2.2	10.0	8.6	2.4	10.2	8.9	2.6	10.3	9.2	2.8	10.4	9.5	3.1	10.4	9.8	3.3
	20	10.0	7.5	2.0	10.2	7.7	2.2	10.3	8.0	2.4	10.5	8.3	2.6	10.6	8.5	2.8	10.6	8.8	3.1	10.7	9.0	3.3
	22	10.7	6.3	2.0	10.8	6.4	2.2	11.0	6.6	2.4	11.1	6.8	2.6	11.2	6.9	2.8	11.3	7.1	3.1	11.3	7.2	3.4
27	18	9.4	8.9	2.1	9.6	9.2	2.2	9.7	9.3	2.4	9.9	9.4	2.6	10.0	9.5	2.8	10.1	9.6	3.1	10.1	9.7	3.4
	19	9.7	8.5	2.0	9.9	8.8	2.2	10.0	9.2	2.4	10.1	9.5	2.6	10.2	9.8	2.9	10.3	9.9	3.1	10.4	9.9	3.4
	20	10.0	8.0	2.0	10.1	8.3	2.2	10.3	8.6	2.4	10.4	9.0	2.6	10.5	9.2	2.9	10.6	9.5	3.1	10.6	9.8	3.4
	22	10.6	6.9	2.0	10.7	7.1	2.2	10.9	7.4	2.4	11.0	7.6	2.6	11.1	7.8	2.9	11.2	8.0	3.1	11.2	8.1	3.4
28	18	9.4	9.0	2.1	9.6	9.2	2.3	9.7	9.3	2.4	9.9	9.4	2.7	10.0	9.5	2.9	10.1	9.6	3.1	10.1	9.7	3.4
	20	9.9	8.5	2.1	10.1	8.9	2.2	10.2	9.2	2.4	10.4	9.6	2.7	10.5	9.9	2.9	10.6	10.1	3.1	10.6	10.2	3.4
	22	10.5	7.5	2.1	10.7	7.8	2.2	10.8	8.1	2.4	10.9	8.3	2.7	11.0	8.6	2.9	11.1	8.8	3.2	11.1	9.0	3.4
	24	11.1	6.3	2.0	11.3	6.5	2.2	11.4	6.6	2.4	11.5	6.8	2.7	11.6	6.9	2.9	11.7	7.0	3.2	11.8	7.1	3.5
30	19	9.7	9.3	2.1	9.9	9.4	2.3	10.0	9.6	2.5	10.1	9.7	2.7	10.2	9.8	3.0	10.3	9.9	3.2	10.3	9.9	3.5
	21	10.2	9.0	2.1	10.3	9.4	2.3	10.5	9.8	2.5	10.6	10.1	2.7	10.7	10.3	3.0	10.8	10.3	3.2	10.8	10.4	3.5
	23	10.7	8.1	2.1	10.9	8.4	2.3	11.0	8.7	2.5	11.1	9.0	2.7	11.2	9.3	3.0	11.3	9.5	3.2	11.3	9.7	3.5
	25	11.3	7.0	2.1	11.4	7.2	2.3	11.6	7.4	2.5	11.7	7.6	2.7	11.8	7.8	3.0	11.8	7.9	3.3	11.9	8.1	3.6
32	21	10.2	9.8	2.2	10.4	9.9	2.4	10.5	10.1	2.6	10.6	10.2	2.8	10.7	10.3	3.0	10.8	10.3	3.3	10.8	10.4	3.6
	23	10.7	9.1	2.2	10.8	9.5	2.4	11.0	9.9	2.6	11.1	10.2	2.8	11.2	10.5	3.0	11.2	10.8	3.3	11.2	10.8	3.6
	25	11.2	8.2	2.1	11.3	8.5	2.3	11.5	8.7	2.6	11.6	9.0	2.8	11.7	9.3	3.1	11.7	9.5	3.3	11.7	9.7	3.6
	26	11.5	7.6	2.1	11.6	7.9	2.3	11.8	8.1	2.6	11.9	8.3	2.8	11.9	8.5	3.1	12.0	8.7	3.3	14.0	10.1	4.3

Performance Data at part load

Cooling Capacity (kW)

TC = Total Capacity (kW).
SC = Sensible Capacity (kW).
PI = Power Input (kW)
E.A.T. = Entering Air Temperature

Nominal Air Flow: **900 l/s**

Note: Total Capacity figures are **gross** and do not include allowance for fan motor heat loss.

OPA 171 Econex (Pro) @Minimum capacity (900 l/s)

Indoor coil
E.A.T.

Outdoor coil Entering Air Temperature °C DB

D.B. °C	W.B. °C	20			25			30			35			40			45			50		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
20	14	4.5	3.6	1.2	4.6	3.8	1.2	4.7	3.9	1.3	4.8	4.1	1.4	4.8	4.2	1.5	4.9	4.3	1.6	4.9	4.4	1.8
	15	4.7	3.3	1.1	4.8	3.5	1.2	4.9	3.6	1.3	4.9	3.7	1.4	5.0	3.8	1.5	5.0	3.9	1.6	5.1	4.0	1.8
	16	4.9	3.0	1.1	5.0	3.1	1.2	5.1	3.2	1.3	5.1	3.3	1.4	5.2	3.4	1.5	5.2	3.5	1.6	5.2	3.6	1.8
	17	5.1	2.7	1.1	5.2	2.7	1.2	5.3	2.8	1.3	5.3	2.9	1.4	5.4	2.9	1.5	5.4	3.0	1.6	8.1	4.9	2.4
22	16	4.8	3.6	1.2	4.9	3.8	1.2	4.9	3.9	1.3	5.0	4.1	1.4	5.1	4.2	1.5	5.1	4.3	1.7	5.1	4.4	1.8
	17	5.0	3.3	1.2	5.0	3.5	1.2	5.1	3.6	1.3	5.2	3.7	1.4	5.2	3.8	1.5	5.3	3.9	1.7	5.3	4.0	1.8
	18	5.1	3.0	1.1	5.2	3.1	1.2	5.3	3.2	1.3	5.4	3.3	1.4	5.4	3.4	1.5	5.4	3.5	1.7	8.1	5.6	2.5
	19	5.3	2.7	1.1	5.4	2.7	1.2	5.5	2.8	1.3	5.6	2.9	1.4	5.6	2.9	1.5	8.4	4.8	2.3	8.4	4.8	2.5
24	16	4.7	4.1	1.2	4.8	4.3	1.3	4.9	4.4	1.4	4.9	4.5	1.5	5.0	4.5	1.6	5.0	4.6	1.7	5.0	4.6	1.8
	18	5.0	3.7	1.2	5.1	3.8	1.3	5.2	4.0	1.4	5.3	4.1	1.5	5.3	4.2	1.6	5.3	4.3	1.7	8.0	7.0	2.6
	20	5.4	3.1	1.2	5.5	3.1	1.2	5.6	3.2	1.3	5.6	3.3	1.4	5.6	3.4	1.6	8.4	5.5	2.4	9.9	6.6	3.0
	21	5.6	2.7	1.1	5.7	2.8	1.2	5.7	2.8	1.3	5.8	2.9	1.4	8.6	4.7	2.2	8.7	4.7	2.4	10.3	5.7	3.0
26	17	4.9	4.4	1.2	4.9	4.5	1.3	5.0	4.6	1.4	5.1	4.6	1.5	5.1	4.6	1.6	5.1	4.7	1.7	5.1	4.7	1.9
	19	5.2	4.0	1.2	5.2	4.1	1.3	5.3	4.3	1.4	5.3	4.4	1.5	5.4	4.6	1.6	8.1	7.4	2.4	8.1	7.6	2.6
	20	5.3	3.7	1.2	5.4	3.8	1.3	5.5	4.0	1.4	5.5	4.1	1.5	5.5	4.2	1.6	8.3	6.8	2.4	8.3	7.0	2.6
	22	5.7	3.1	1.2	5.7	3.2	1.3	5.8	3.2	1.4	8.6	5.3	2.0	8.7	5.4	2.2	10.3	6.5	2.8	10.3	6.6	3.1
27	18	5.0	4.4	1.2	5.1	4.6	1.3	5.1	4.7	1.4	5.2	4.7	1.5	5.2	4.8	1.6	5.2	4.8	1.8	7.9	7.4	2.7
	19	5.1	4.2	1.2	5.2	4.4	1.3	5.3	4.6	1.4	5.3	4.8	1.5	5.4	4.9	1.6	8.0	7.6	2.4	8.1	7.6	2.7
	20	5.3	4.0	1.2	5.4	4.2	1.3	5.4	4.3	1.4	5.5	4.5	1.5	5.5	4.6	1.6	8.2	7.4	2.4	8.3	7.6	2.7
	22	5.6	3.4	1.2	5.7	3.5	1.3	5.7	3.6	1.4	8.6	5.9	2.0	8.6	6.0	2.2	10.2	7.3	2.9	10.2	7.4	3.1
28	18	5.0	4.5	1.2	5.1	4.6	1.3	5.1	4.7	1.4	5.2	4.7	1.5	5.2	4.8	1.6	5.2	4.8	1.8	7.8	7.4	2.7
	20	5.3	4.3	1.2	5.3	4.4	1.3	5.4	4.6	1.4	5.5	4.8	1.5	5.5	4.9	1.6	8.2	7.8	2.5	8.2	7.8	2.7
	22	5.6	3.7	1.2	5.6	3.9	1.3	5.7	4.0	1.4	5.8	4.1	1.5	8.6	6.6	2.3	10.1	8.0	2.9	10.2	8.2	3.2
	24	5.9	3.1	1.2	6.0	3.2	1.3	8.9	5.2	1.9	9.0	5.3	2.1	10.6	6.3	2.6	10.7	6.5	2.9	11.8	7.1	3.5
30	19	5.1	4.7	1.2	5.2	4.8	1.3	5.3	4.8	1.4	5.3	4.9	1.6	5.3	4.9	1.7	8.0	7.6	2.5	8.0	7.6	2.8
	21	5.4	4.5	1.2	5.5	4.7	1.3	5.5	4.9	1.4	5.6	5.1	1.6	8.3	7.9	2.3	8.4	7.9	2.5	9.8	9.4	3.2
	23	5.7	4.1	1.2	5.8	4.2	1.3	5.8	4.3	1.4	8.7	7.0	2.1	8.7	7.2	2.3	10.3	8.7	3.0	10.3	8.9	3.2
	25	6.0	3.5	1.2	6.1	3.6	1.3	9.0	5.8	1.9	9.1	5.9	2.1	10.7	7.1	2.7	11.8	7.9	3.3	11.9	8.1	3.6
32	21	5.4	5.0	1.3	5.5	5.0	1.4	5.5	5.1	1.5	5.6	5.1	1.6	8.3	7.9	2.4	8.3	7.9	2.6	9.8	9.4	3.3
	23	5.7	4.6	1.2	5.7	4.8	1.3	5.8	4.9	1.5	8.6	7.9	2.2	8.7	8.2	2.4	10.2	9.8	3.0	11.2	10.8	3.6
	25	6.0	4.1	1.2	6.0	4.2	1.3	8.9	6.8	2.0	9.0	7.0	2.2	10.6	8.5	2.8	11.7	9.5	3.3	11.7	9.7	3.6
	26	6.1	3.8	1.2	9.1	6.1	1.8	9.2	6.3	2.0	10.8	7.6	2.5	10.9	7.8	2.8	12.0	8.7	3.3	14.0	10.1	4.3

Indoor Air Flow Correction Factors @ nominal conditions

Indoor Air Flow

	-20%	-10%	Rated	+10%
Total Cooling Capacity	0.950	0.975	1.000	1.025
Sensible Cooling Capacity	0.900	0.950	1.000	1.050
Heating Capacity	0.990	0.995	1.000	1.005

Performance Data at part load

Heating Capacity (kW)

G = Gross Capacity (kW), based on nominal air flow.
N = Net Heating Capacity (kW) allowing for average defrost.
PI = Power Input (kW)

○ = Nominal Capacity (kW)

Nominal Air Flow: **900 l/s**

OPA 171 Econex (Pro) at Maximum Capacity (900 l/s)

Air on				Outdoor coil entering air temperature °C DB																											
D.B. °C	- 10			- 5			0			5			7			10			15			20			25						
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI				
10	10.2	9.0	3.5	14.4	13.1	4.8	18.0	17.0	5.8	18.7	17.8	5.9	19.7	18.8	6.0	21.4	21.4	6.2	22.1	22.1	6.2	22.6	22.6	6.2	23.1	23.1	6.3				
15	9.8	8.7	3.4	14.2	12.9	4.8	18.5	17.4	6.2	19.2	18.2	6.3	20.2	20.2	6.4	21.9	21.9	6.6	22.6	22.6	6.6	23.1	23.1	6.6	23.6	23.6	6.7				
20	9.4	8.2	3.3	13.9	12.7	4.7	19.0	17.8	6.6	19.6	18.6	6.7	20.7	20.7	6.8	22.4	22.4	7.0	23.1	23.1	7.0	23.6	23.6	7.1	24.0	24.0	7.1				
25	8.8	7.8	3.1	13.5	12.3	4.7	18.4	17.3	6.4	20.1	20.1	7.2	21.1	21.1	7.3	22.8	22.8	7.4	23.5	23.5	7.5	24.0	24.0	7.5	24.5	24.5	7.6				

OPA 171 Econex (Pro) at Nominal Capacity (900 l/s)

Air on				Outdoor coil entering air temperature °C DB																											
D.B. °C	- 10			- 5			0			5			7			10			15			20			25						
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI				
10	10.2	9.0	3.5	13.2	12.0	4.2	15.1	14.2	4.3	15.6	14.9	4.4	16.5	16.5	4.4	17.9	17.9	4.5	18.5	18.5	4.5	18.9	18.9	4.5	19.3	19.3	4.5				
15	9.8	8.7	3.4	13.5	12.3	4.5	15.5	14.6	4.6	16.0	15.2	4.7	16.9	16.9	4.7	18.3	18.3	4.8	18.9	18.9	4.8	19.3	19.3	4.8	19.7	19.7	4.8				
20	9.4	8.2	3.3	12.4	11.3	4.0	15.9	14.9	4.9	16.4	16.4	5.0	17.3	17.3	5.1	18.7	18.7	5.1	19.3	19.3	5.1	19.7	19.7	5.2	20.1	20.1	5.2				
25	8.8	7.8	3.1	12.7	11.6	4.3	16.3	16.3	5.3	16.8	16.8	5.3	17.7	17.7	5.4	19.1	19.1	5.5	19.7	19.7	5.5	20.1	20.1	5.5	20.5	20.5	5.5				

OPA 171 Econex (Pro) at Maximum less 25% (900 l/s)

Air on				Outdoor coil entering air temperature °C DB																											
D.B. °C	- 10			- 5			0			5			7			10			15			20			25						
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI				
10	8.7	7.6	2.8	9.9	9.1	2.9	11.4	10.7	2.9	11.8	11.8	3.0	12.4	12.5	3.0	13.5	13.5	3.0	13.9	13.9	3.0	14.2	14.2	3.0	14.5	14.5	3.0				
15	8.9	7.9	3.0	10.2	9.3	3.1	11.7	11.0	3.1	12.1	12.1	3.2	12.7	12.7	3.2	13.8	13.8	3.2	14.2	14.2	3.2	14.5	14.5	3.2	14.8	14.8	3.2				
20	9.2	8.1	3.2	10.5	9.5	3.3	12.0	12.0	3.3	12.4	12.4	3.4	13.0	13.0	3.4	14.1	14.1	3.4	14.5	14.5	3.4	14.8	14.8	3.4	15.1	15.1	3.4				
25	8.8	7.8	3.1	10.8	9.8	3.5	12.3	12.3	3.6	12.7	12.7	3.6	13.3	13.3	3.6	14.4	14.4	3.6	14.8	14.8	3.6	15.1	15.1	3.6	15.4	15.4	3.6				

OPA 171 Econex (Pro) at Maximum less 50% (900 l/s)

Air on				Outdoor coil entering air temperature °C DB																											
D.B. °C	- 10			- 5			0			5			7			10			15			20			25						
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI				
10	6.9	6.1	2.2	7.9	7.2	2.2	9.1	8.5	2.2	9.4	9.4	2.2	9.9	9.9	2.2	10.7	10.7	2.2	11.0	11.0	2.2	11.3	11.3	2.2	11.5	11.5	2.2				
15	7.1	6.3	2.3	8.1	7.4	2.4	9.3	9.3	2.4	9.6	9.6	2.4	10.1	10.1	2.4	10.9	10.9	2.4	11.3	11.3	2.4	11.5	11.5	2.4	11.8	11.8	2.4				
20	7.3	6.4	2.5	8.3	7.6	2.5	9.5	9.5	2.5	9.8	9.8	2.6	10.3	10.3	2.6	11.2	11.2	2.6	11.5	11.5	2.5	11.8	11.8	2.5	12.0	12.0	2.5				
25	7.5	6.6	2.6	8.5	7.8	2.7	9.7	9.7	2.7	10.0	10.0	2.7	10.6	10.6	2.7	11.4	11.4	2.7	11.8	11.8	2.7	12.0	12.0	2.7	12.2	12.2	2.7				

OPA 171 Econex (Pro) at Minimum Capacity (900 l/s)

Air on				Outdoor coil entering air temperature °C DB																											
D.B. °C	- 10			- 5			0			5			7			10			15			20			25						
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI				
10	4.2	3.7	1.4	3.8	3.5	1.3	3.6	3.6	1.1	3.7	3.7	1.1	3.9	3.9	1.1	4.2	4.2	1.1	4.3	4.3	1.1	4.4	4.4	1.1	4.5	4.5	1.0				
15	4.3	3.8	1.5	3.9	3.6	1.3	3.6	3.6	1.1	3.8	3.8	1.1	4.0	4.0	1.1	4.3	4.3	1.1	4.4	4.4	1.1	4.5	4.5	1.1	4.6	4.6	1.1				
20	3.6	3.1	1.4	4.0	3.7	1.4	3.7	3.7	1.2	3.8	3.8	1.2	4.0	4.0	1.2	4.4	4.4	1.2	4.5	4.5	1.2	4.6	4.6	1.2	4.7	4.7	1.2				
25	4.5	4.0	1.7	3.4	3.1	1.2	3.8	3.8	1.3	3.9	3.9	1.3	4.1	4.1	1.3	4.5	4.5	1.3	4.6	4.6	1.2	4.7	4.7	1.2	4.8	4.8	1.2				

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Specifications are subject to change without notice due to the manufacturer's ongoing research and development programme.