



# Ducted Split Systems


## Part Load Data

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ISD 171, 211, 251, 351 Econex R32



  
Cooling Capacity  
14.8kW – 35.1kW

  
Heating Capacity  
14.9kW – 35.0kW

## 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: **800 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 171 at Maximum Capacity (800 l/s)

Indoor coil E.A.T.		Outdoor coil entering air temperature °C DB.																	
D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	16.6	11.9	5.8	16.2	11.9	6.2	15.8	11.9	6.6	15.4	11.8	7.0	14.9	11.7	7.4	14.4	11.5	7.8
	15	17.2	10.8	5.9	16.8	10.8	6.3	16.4	10.8	6.7	16.0	10.7	7.1	15.5	10.6	7.5	14.9	10.4	7.9
	16	17.9	9.6	5.9	17.5	9.6	6.3	17.0	9.5	6.7	16.5	9.4	7.1	16.0	9.3	7.6	15.5	9.2	8.0
	17	18.5	8.3	6.0	18.1	8.2	6.4	17.6	8.1	6.8	17.1	8.0	7.2	16.6	7.9	7.7	16.1	7.8	8.1
23	15	17.1	12.9	5.9	16.8	12.9	6.2	16.3	12.9	6.6	15.9	12.9	7.1	15.4	12.8	7.5	14.9	12.6	7.9
	16	17.7	11.9	5.9	17.3	11.9	6.3	16.8	11.9	6.7	16.4	11.8	7.1	15.9	11.7	7.6	15.3	11.6	8.0
	17	18.3	10.8	6.0	17.9	10.8	6.4	17.5	10.8	6.8	17.0	10.7	7.2	16.4	10.6	7.6	15.9	10.5	8.1
	18	19.0	9.6	6.0	18.6	9.6	6.4	18.1	9.5	6.9	17.6	9.4	7.3	17.0	9.3	7.7	16.5	9.2	8.2
27	18	18.9	14.0	6.0	18.5	14.1	6.4	18.0	14.1	6.8	17.5	14.0	7.3	17.0	13.9	7.7	16.4	13.8	8.2
	19	19.5	13.1	6.1	19.0	13.1	6.5	18.5	13.1	6.9	18.0	13.1	7.3	17.5	13.0	7.8	16.9	12.8	8.2
	20	20.1	12.1	6.1	19.6	12.1	6.5	19.1	12.0	7.0	18.6	12.0	7.4	18.0	11.9	7.9	17.4	11.7	8.3
	22	21.3	9.6	6.2	20.8	9.5	6.7	20.3	9.4	7.1	19.7	9.3	7.5	19.1	9.2	8.0	18.5	9.1	8.5
31	21	20.9	15.3	6.2	20.4	15.3	6.6	19.9	15.3	7.1	19.3	15.3	7.5	18.7	15.2	8.0	18.1	15.1	8.4
	22	21.4	14.3	6.2	20.9	14.4	6.7	20.4	14.4	7.1	19.8	14.3	7.6	19.2	14.2	8.0	18.6	14.1	8.5
	23	21.9	13.3	6.3	21.4	13.3	6.7	20.8	13.3	7.2	20.3	13.2	7.6	19.7	13.1	8.1	19.1	13.0	8.6
	25	23.1	10.9	6.4	22.6	10.8	6.8	22.0	10.8	7.3	21.4	10.7	7.7	20.7	10.6	8.2	20.1	10.5	8.7

### ISD 171 at Nominal Capacity (800 l/s)

Indoor coil E.A.T.		Outdoor coil entering air temperature °C DB.																	
D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	13.8	10.8	3.5	13.5	10.8	3.8	13.1	10.7	4.1	12.8	10.7	4.4	12.4	10.6	4.7	12.0	10.4	5.1
	15	14.3	10.0	3.5	13.9	9.9	3.8	13.6	9.9	4.1	13.2	9.8	4.5	12.8	9.7	4.8	12.4	9.6	5.1
	16	14.8	9.0	3.6	14.4	8.9	3.9	14.1	8.9	4.2	13.7	8.8	4.5	13.3	8.7	4.8	12.9	8.5	5.2
	17	15.3	7.9	3.6	14.9	7.8	3.9	14.5	7.7	4.2	14.1	7.6	4.5	13.7	7.5	4.9	13.3	7.4	5.2
23	15	14.2	11.7	3.5	13.9	11.7	3.8	13.5	11.6	4.1	13.2	11.6	4.5	12.8	11.5	4.8	12.4	11.4	5.1
	16	14.6	10.9	3.6	14.3	10.8	3.9	13.9	10.8	4.2	13.5	10.7	4.5	13.2	10.6	4.8	12.8	10.5	5.2
	17	15.1	10.0	3.6	14.8	10.0	3.9	14.4	9.9	4.2	14.0	9.8	4.5	13.6	9.7	4.9	13.2	9.6	5.2
	18	15.6	9.0	3.6	15.3	9.0	3.9	14.9	8.9	4.2	14.5	8.8	4.6	14.1	8.7	4.9	13.7	8.6	5.3
27	18	15.6	12.7	3.6	15.2	12.7	3.9	14.8	12.6	4.2	14.4	12.6	4.6	14.0	12.5	4.9	13.6	12.4	5.3
	19	16.0	11.9	3.6	15.6	11.9	3.9	15.2	11.8	4.3	14.8	11.8	4.6	14.4	11.7	4.9	14.0	11.6	5.3
	20	16.5	11.1	3.6	16.1	11.0	4.0	15.7	11.0	4.3	15.3	10.9	4.6	14.8	10.8	5.0	14.4	10.7	5.3
	22	17.4	9.0	3.7	17.0	9.0	4.0	16.6	8.9	4.3	16.1	8.8	4.7	15.7	8.7	5.0	15.2	8.6	5.4
31	21	17.1	13.7	3.7	16.7	13.7	4.0	16.3	13.7	4.3	15.8	13.6	4.7	15.4	13.6	5.0	15.0	13.5	5.4
	22	17.5	13.0	3.7	17.1	12.9	4.0	16.6	12.9	4.3	16.2	12.9	4.7	15.8	12.8	5.1	15.3	12.7	5.4
	23	17.9	12.1	3.7	17.5	12.1	4.0	17.0	12.0	4.4	16.6	12.0	4.7	16.1	11.9	5.1	15.7	11.8	5.5
	25	18.8	10.2	3.7	18.4	10.1	4.1	17.9	10.0	4.4	17.4	9.9	4.8	17.0	9.8	5.1	16.5	9.7	5.5

# 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: **800 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 171 ECO ULTRA at Nominal less 10% (800 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	12.9	10.5	3.2	12.6	10.5	3.5	12.3	10.4	3.7	12.0	10.3	4.0	11.6	10.2	4.3	11.3	10.1	4.7
	15	13.4	9.7	3.2	13.1	9.7	3.5	12.8	9.6	3.8	12.4	9.5	4.1	12.1	9.4	4.4	11.7	9.3	4.7
	16	13.8	8.8	3.2	13.5	8.7	3.5	13.2	8.7	3.8	12.8	8.6	4.1	12.5	8.4	4.4	12.1	8.3	4.7
	17	14.3	7.8	3.2	14.0	7.7	3.5	13.6	7.6	3.8	13.3	7.5	4.1	12.9	7.4	4.5	12.5	7.2	4.8
23	15	13.3	11.3	3.2	13.0	11.3	3.5	12.7	11.2	3.8	12.3	11.2	4.1	12.0	11.1	4.4	11.6	11.0	4.7
	16	13.7	10.5	3.2	13.4	10.5	3.5	13.1	10.5	3.8	12.7	10.4	4.1	12.4	10.3	4.4	12.0	10.2	4.7
	17	14.2	9.7	3.2	13.9	9.7	3.5	13.5	9.6	3.8	13.1	9.6	4.1	12.8	9.5	4.4	12.4	9.3	4.8
	18	14.7	8.8	3.2	14.3	8.8	3.5	14.0	8.7	3.8	13.6	8.6	4.2	13.2	8.5	4.5	12.8	8.4	4.8
27	18	14.6	12.2	3.2	14.2	12.2	3.5	13.9	12.2	3.8	13.5	12.1	4.2	13.1	12.1	4.5	12.8	12.0	4.8
	19	15.0	11.5	3.3	14.7	11.5	3.6	14.3	11.5	3.9	13.9	11.4	4.2	13.5	11.3	4.5	13.1	11.2	4.8
	20	15.4	10.8	3.3	15.1	10.7	3.6	14.7	10.7	3.9	14.3	10.6	4.2	13.9	10.5	4.5	13.5	10.4	4.9
	22	16.3	8.9	3.3	15.9	8.8	3.6	15.5	8.7	3.9	15.1	8.6	4.3	14.7	8.5	4.6	14.3	8.4	4.9
31	21	16.0	13.3	3.3	15.6	13.3	3.6	15.2	13.2	3.9	14.8	13.2	4.2	14.4	13.1	4.6	14.0	13.0	4.9
	22	16.4	12.6	3.3	16.0	12.5	3.6	15.6	12.5	3.9	15.2	12.4	4.3	14.8	12.4	4.6	14.4	12.3	5.0
	23	16.8	11.8	3.3	16.4	11.7	3.6	15.9	11.7	3.9	15.5	11.6	4.3	15.1	11.5	4.6	14.7	11.5	5.0
	25	17.6	10.0	3.3	17.2	9.9	3.6	16.8	9.8	4.0	16.3	9.7	4.3	15.9	9.6	4.7	15.5	9.5	5.0

### ISD 171 ECO ULTRA at Nominal less 20% (800 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	11.3	9.8	2.6	11.0	9.8	2.8	10.7	9.7	3.1	10.4	9.7	3.3	10.2	9.6	3.6	9.9	9.5	3.9
	15	11.7	9.2	2.6	11.4	9.1	2.9	11.1	9.1	3.1	10.8	9.0	3.4	10.5	8.9	3.6	10.2	8.8	3.9
	16	12.0	8.4	2.6	11.8	8.3	2.9	11.5	8.3	3.1	11.2	8.2	3.4	10.9	8.0	3.7	10.6	7.9	4.0
	17	12.5	7.5	2.6	12.2	7.5	2.9	11.9	7.4	3.1	11.5	7.2	3.4	11.2	7.1	3.7	10.9	7.0	4.0
23	15	11.6	10.6	2.6	11.3	10.5	2.9	11.0	10.5	3.1	10.8	10.4	3.4	10.5	10.1	3.6	10.2	9.8	3.9
	16	11.9	9.9	2.6	11.7	9.9	2.9	11.4	9.8	3.1	11.1	9.7	3.4	10.8	9.7	3.7	10.5	9.6	3.9
	17	12.3	9.3	2.6	12.0	9.2	2.9	11.7	9.1	3.1	11.4	9.0	3.4	11.1	8.9	3.7	10.8	8.8	4.0
	18	12.7	8.5	2.6	12.4	8.4	2.9	12.1	8.3	3.2	11.8	8.2	3.4	11.5	8.1	3.7	11.2	8.0	4.0
27	18	12.7	11.5	2.6	12.4	11.4	2.9	12.1	11.4	3.2	11.8	11.3	3.4	11.4	11.1	3.7	11.1	10.8	4.0
	19	13.0	10.9	2.6	12.7	10.8	2.9	12.4	10.8	3.2	12.1	10.7	3.4	11.8	10.6	3.7	11.5	10.5	4.0
	20	13.4	10.2	2.6	13.1	10.2	2.9	12.8	10.1	3.2	12.4	10.0	3.5	12.1	9.9	3.8	11.8	9.8	4.1
	22	14.2	8.6	2.6	13.8	8.5	2.9	13.5	8.4	3.2	13.1	8.3	3.5	12.8	8.2	3.8	12.5	8.1	4.1
31	21	13.9	12.4	2.6	13.6	12.4	2.9	13.2	12.3	3.2	12.9	12.3	3.5	12.6	12.2	3.8	12.2	11.9	4.1
	22	14.2	11.8	2.6	13.9	11.8	2.9	13.5	11.7	3.2	13.2	11.6	3.5	12.8	11.6	3.8	12.5	11.5	4.1
	23	14.6	11.2	2.7	14.2	11.1	2.9	13.8	11.0	3.2	13.5	11.0	3.5	13.1	10.9	3.8	12.8	10.8	4.1
	25	15.3	9.7	2.7	14.9	9.6	2.9	14.5	9.5	3.2	14.2	9.4	3.5	13.8	9.3	3.9	13.5	9.2	4.2

# 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: **800 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 171 at Nominal less 30% (800 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	10.5	9.5	2.3	10.2	9.5	2.5	10.0	9.4	2.7	9.7	9.3	3.0	9.5	9.1	3.2	9.2	8.9	3.5
	15	10.8	8.9	2.3	10.6	8.9	2.5	10.3	8.8	2.8	10.1	8.7	3.0	9.8	8.6	3.2	9.5	8.5	3.5
	16	11.2	8.2	2.3	10.9	8.1	2.5	10.7	8.1	2.8	10.4	8.0	3.0	10.1	7.9	3.3	9.8	7.7	3.5
	17	11.6	7.4	2.3	11.3	7.3	2.5	11.0	7.2	2.8	10.7	7.1	3.0	10.5	7.0	3.3	10.2	6.9	3.5
23	15	10.8	10.2	2.3	10.5	10.2	2.5	10.3	9.9	2.7	10.0	9.7	3.0	9.7	9.4	3.2	9.5	9.1	3.5
	16	11.1	9.6	2.3	10.8	9.6	2.5	10.6	9.5	2.8	10.3	9.4	3.0	10.0	9.3	3.2	9.7	9.2	3.5
	17	11.5	9.0	2.3	11.2	9.0	2.5	10.9	8.9	2.8	10.6	8.8	3.0	10.4	8.7	3.3	10.1	8.6	3.5
	18	11.8	8.3	2.3	11.6	8.2	2.5	11.3	8.1	2.8	11.0	8.0	3.0	10.7	7.9	3.3	10.4	7.8	3.6
27	18	11.8	11.1	2.3	11.5	11.0	2.5	11.2	10.9	2.8	10.9	10.6	3.0	10.6	10.3	3.3	10.4	10.0	3.5
	19	12.1	10.5	2.3	11.8	10.5	2.6	11.5	10.4	2.8	11.2	10.3	3.0	10.9	10.3	3.3	10.7	10.2	3.6
	20	12.4	9.9	2.3	12.2	9.9	2.6	11.9	9.8	2.8	11.5	9.7	3.1	11.2	9.6	3.3	11.0	9.5	3.6
	22	13.1	8.5	2.3	12.8	8.4	2.6	12.5	8.3	2.8	12.2	8.2	3.1	11.9	8.1	3.4	11.6	7.9	3.6
31	21	12.9	12.0	2.3	12.6	11.9	2.6	12.3	11.9	2.8	12.0	11.6	3.1	11.7	11.3	3.3	11.4	11.0	3.6
	22	13.2	11.4	2.3	12.9	11.4	2.6	12.6	11.3	2.8	12.2	11.3	3.1	11.9	11.2	3.4	11.6	11.1	3.6
	23	13.5	10.8	2.3	13.2	10.8	2.6	12.8	10.7	2.8	12.5	10.6	3.1	12.2	10.5	3.4	11.9	10.4	3.7
	25	14.2	9.5	2.3	13.8	9.4	2.6	13.5	9.3	2.8	13.1	9.2	3.1	12.8	9.1	3.4	12.5	9.0	3.7

### ISD 171 at Nominal less 40% (800 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	9.0	8.6	1.8	8.8	8.5	2.0	8.6	8.2	2.2	8.4	8.0	2.4	8.1	7.8	2.6	7.9	7.6	2.8
	15	9.3	8.1	1.8	9.1	8.0	2.0	8.9	7.9	2.2	8.6	7.9	2.4	8.4	7.8	2.6	8.2	7.7	2.9
	16	9.6	7.5	1.8	9.4	7.4	2.0	9.1	7.3	2.2	8.9	7.2	2.4	8.7	7.1	2.6	8.5	7.1	2.9
	17	9.9	6.8	1.8	9.7	6.7	2.0	9.4	6.6	2.2	9.2	6.5	2.4	9.0	6.4	2.7	8.8	6.3	2.9
23	15	9.3	8.9	1.8	9.0	8.7	2.0	8.8	8.5	2.2	8.6	8.3	2.4	8.4	8.0	2.6	8.2	7.8	2.9
	16	9.5	8.7	1.8	9.3	8.6	2.0	9.1	8.6	2.2	8.8	8.5	2.4	8.6	8.3	2.6	8.4	8.1	2.9
	17	9.8	8.2	1.8	9.6	8.1	2.0	9.4	8.0	2.2	9.1	7.9	2.4	8.9	7.9	2.7	8.7	7.8	2.9
	18	10.2	7.6	1.8	9.9	7.5	2.0	9.7	7.4	2.2	9.4	7.3	2.4	9.2	7.2	2.7	9.0	7.1	2.9
27	18	10.1	9.8	1.8	9.9	9.5	2.0	9.6	9.3	2.2	9.4	9.0	2.4	9.1	8.8	2.7	8.9	8.6	2.9
	19	10.4	9.5	1.8	10.1	9.4	2.0	9.9	9.4	2.2	9.6	9.3	2.4	9.4	9.1	2.7	9.2	8.8	2.9
	20	10.7	9.0	1.8	10.4	8.9	2.0	10.1	8.8	2.2	9.9	8.7	2.4	9.7	8.7	2.7	9.4	8.6	2.9
	22	11.3	7.8	1.7	11.0	7.7	2.0	10.7	7.6	2.2	10.4	7.5	2.4	10.2	7.4	2.7	10.0	7.3	2.9
31	21	11.1	10.7	1.8	10.8	10.4	2.0	10.5	10.2	2.2	10.2	9.9	2.4	10.0	9.7	2.7	9.8	9.4	2.9
	22	11.3	10.3	1.7	11.0	10.2	2.0	10.7	10.2	2.2	10.5	10.1	2.4	10.2	9.9	2.7	10.0	9.7	3.0
	23	11.6	9.8	1.7	11.3	9.7	2.0	11.0	9.6	2.2	10.7	9.6	2.4	10.5	9.5	2.7	10.2	9.4	3.0
	25	12.1	8.7	1.7	11.8	8.5	1.9	11.5	8.4	2.2	11.2	8.3	2.4	11.0	8.3	2.7	10.7	8.2	3.0

# 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: **800 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 171 at Minimum Capacity (800 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	7.8	7.4	1.6	7.6	7.3	1.7	7.4	7.1	1.9	7.2	6.9	2.1	7.0	6.7	2.3	6.9	6.5	2.5
	15	8.0	6.9	1.6	7.8	6.9	1.7	7.7	6.8	1.9	7.5	6.7	2.1	7.3	6.7	2.3	7.1	6.6	2.5
	16	8.3	6.4	1.5	8.1	6.3	1.7	7.9	6.3	1.9	7.7	6.2	2.1	7.5	6.1	2.3	7.3	6.0	2.5
	17	8.6	5.8	1.5	8.4	5.8	1.7	8.1	5.7	1.9	7.9	5.6	2.1	7.7	5.5	2.3	7.6	5.4	2.5
23	15	8.0	7.7	1.6	7.8	7.5	1.7	7.6	7.3	1.9	7.4	7.1	2.1	7.2	6.9	2.3	7.1	6.7	2.5
	16	8.2	7.5	1.5	8.0	7.4	1.7	7.8	7.3	1.9	7.6	7.3	2.1	7.4	7.1	2.3	7.3	6.9	2.5
	17	8.5	7.0	1.5	8.3	6.9	1.7	8.1	6.9	1.9	7.9	6.8	2.1	7.7	6.7	2.3	7.5	6.7	2.5
	18	8.8	6.5	1.5	8.5	6.4	1.7	8.3	6.3	1.9	8.1	6.3	2.1	7.9	6.2	2.3	7.7	6.1	2.5
27	18	8.7	8.4	1.5	8.5	8.2	1.7	8.3	8.0	1.9	8.1	7.7	2.1	7.9	7.5	2.3	7.7	7.4	2.5
	19	9.0	8.1	1.5	8.7	8.1	1.7	8.5	8.0	1.9	8.3	8.0	2.1	8.1	7.8	2.3	7.9	7.6	2.5
	20	9.2	7.7	1.5	9.0	7.6	1.7	8.7	7.6	1.9	8.5	7.5	2.1	8.3	7.4	2.3	8.1	7.4	2.5
	22	9.7	6.7	1.5	9.5	6.6	1.7	9.2	6.5	1.9	9.0	6.4	2.1	8.8	6.3	2.3	8.6	6.2	2.6
31	21	9.5	9.2	1.5	9.3	9.0	1.7	9.1	8.7	1.9	8.8	8.5	2.1	8.6	8.3	2.3	8.4	8.1	2.6
	22	9.8	8.9	1.5	9.5	8.8	1.7	9.3	8.7	1.9	9.0	8.7	2.1	8.8	8.5	2.3	8.6	8.3	2.6
	23	10.0	8.4	1.5	9.7	8.3	1.7	9.5	8.3	1.9	9.2	8.2	2.1	9.0	8.1	2.3	8.8	8.1	2.6
	25	10.5	7.4	1.4	10.2	7.3	1.6	9.9	7.2	1.9	9.7	7.1	2.1	9.4	7.1	2.3	9.2	7.0	2.6

## 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: **1050 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 211 at Maximum Capacity (1050 l/s)

Indoor coil E.A.T.		Outdoor coil entering air temperature °C DB.																	
D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	23.3	16.8	7.9	22.8	16.8	8.4	22.2	16.8	9.0	21.7	16.8	9.5	21.1	16.7	10.1	20.4	16.5	10.6
	15	24.1	15.3	8.0	23.6	15.3	8.5	23.0	15.3	9.1	22.5	15.2	9.6	21.8	15.1	10.2	21.2	14.9	10.8
	16	25.0	13.7	8.1	24.5	13.6	8.6	23.9	13.6	9.2	23.3	13.5	9.7	22.6	13.3	10.3	21.9	13.2	10.9
	17	26.0	11.8	8.2	25.4	11.7	8.7	24.7	11.6	9.3	24.1	11.5	9.8	23.4	11.3	10.4	22.7	11.1	11.0
23	15	24.0	18.2	8.0	23.5	18.3	8.5	22.9	18.3	9.1	22.3	18.3	9.6	21.7	18.2	10.2	21.1	18.0	10.7
	16	24.8	16.9	8.1	24.2	16.9	8.6	23.6	16.9	9.1	23.0	16.8	9.7	22.4	16.7	10.3	21.7	16.5	10.8
	17	25.7	15.4	8.2	25.1	15.4	8.7	24.5	15.3	9.2	23.9	15.2	9.8	23.2	15.1	10.4	22.5	14.9	10.9
	18	26.6	13.7	8.2	26.0	13.6	8.8	25.4	13.6	9.3	24.7	13.4	9.9	24.0	13.3	10.5	23.3	13.1	11.1
27	18	26.5	19.9	8.2	25.9	19.9	8.8	25.2	19.9	9.3	24.6	19.9	9.9	23.9	19.8	10.5	23.2	19.7	11.0
	19	27.3	18.6	8.3	26.7	18.6	8.8	26.0	18.6	9.4	25.3	18.5	10.0	24.6	18.4	10.5	23.9	18.3	11.1
	20	28.1	17.1	8.4	27.5	17.1	8.9	26.8	17.1	9.5	26.1	17.0	10.1	25.4	16.9	10.6	24.6	16.7	11.2
	22	29.8	13.6	8.5	29.1	13.6	9.1	28.4	13.5	9.7	27.7	13.3	10.2	26.9	13.2	10.8	26.1	13.0	11.4
31	21	29.3	21.6	8.5	28.6	21.7	9.0	27.9	21.7	9.6	27.1	21.7	10.2	26.4	21.6	10.8	25.6	21.5	11.3
	22	30.0	20.3	8.5	29.3	20.4	9.1	28.5	20.4	9.7	27.8	20.3	10.2	27.0	20.2	10.8	26.2	20.1	11.4
	23	30.7	18.8	8.6	30.0	18.9	9.2	29.2	18.8	9.7	28.5	18.8	10.3	27.7	18.7	10.9	26.8	18.5	11.5
	25	32.4	15.5	8.7	31.6	15.4	9.3	30.8	15.3	9.9	30.0	15.2	10.5	29.1	15.1	11.1	28.3	14.9	11.7

### ISD 211 at Nominal Capacity (1050 l/s)

Indoor coil E.A.T.		Outdoor coil entering air temperature °C DB.																	
D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	17.9	14.3	4.7	17.6	14.4	5.0	17.2	14.4	5.4	16.8	14.3	5.8	16.4	14.2	6.2	15.9	14.1	6.6
	15	18.6	13.2	4.7	18.2	13.2	5.1	17.8	13.2	5.4	17.4	13.2	5.8	17.0	13.1	6.2	16.5	12.9	6.7
	16	19.2	12.0	4.8	18.8	12.0	5.1	18.4	11.9	5.5	18.0	11.8	5.9	17.6	11.7	6.3	17.1	11.6	6.7
	17	19.9	10.6	4.8	19.5	10.5	5.2	19.1	10.4	5.5	18.6	10.3	5.9	18.2	10.2	6.3	17.7	10.0	6.8
23	15	18.5	15.5	4.7	18.1	15.5	5.1	17.7	15.5	5.4	17.3	15.5	5.8	16.9	15.4	6.2	16.4	15.3	6.7
	16	19.0	14.4	4.8	18.7	14.5	5.1	18.3	14.5	5.5	17.8	14.4	5.9	17.4	14.3	6.3	16.9	14.2	6.7
	17	19.7	13.3	4.8	19.3	13.3	5.1	18.9	13.3	5.5	18.5	13.2	5.9	18.0	13.1	6.3	17.5	13.0	6.8
	18	20.4	12.1	4.8	20.0	12.0	5.2	19.5	12.0	5.6	19.1	11.9	6.0	18.6	11.8	6.4	18.1	11.6	6.8
27	18	20.3	16.8	4.8	19.9	16.9	5.2	19.4	16.9	5.5	19.0	16.9	5.9	18.5	16.8	6.4	18.0	16.7	6.8
	19	20.9	15.9	4.8	20.5	15.9	5.2	20.0	15.9	5.6	19.5	15.9	6.0	19.0	15.8	6.4	18.5	15.6	6.8
	20	21.5	14.8	4.9	21.1	14.8	5.2	20.6	14.8	5.6	20.1	14.7	6.0	19.6	14.6	6.4	19.0	14.5	6.9
	22	22.8	12.2	4.9	22.3	12.1	5.3	21.8	12.1	5.7	21.3	11.9	6.1	20.7	11.8	6.5	20.1	11.6	7.0
31	21	22.3	18.3	4.9	21.9	18.3	5.3	21.4	18.4	5.7	20.9	18.3	6.1	20.3	18.3	6.5	19.8	18.2	6.9
	22	22.9	17.3	4.9	22.4	17.3	5.3	21.9	17.3	5.7	21.4	17.3	6.1	20.8	17.2	6.5	20.2	17.1	7.0
	23	23.4	16.2	4.9	22.9	16.2	5.3	22.4	16.2	5.7	21.9	16.2	6.1	21.3	16.1	6.6	20.7	15.9	7.0
	25	24.6	13.7	4.9	24.1	13.7	5.3	23.6	13.6	5.8	23.0	13.5	6.2	22.4	13.4	6.6	21.8	13.2	7.1

# 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: **1050 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 211 at Nominal less 10% (1050 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	16.1	13.8	4.2	15.8	13.8	4.5	15.5	13.8	4.8	15.1	13.8	5.2	14.8	13.7	5.6	14.3	13.5	6.0
	15	16.7	12.9	4.2	16.4	12.9	4.5	16.0	12.8	4.8	15.7	12.8	5.2	15.3	12.6	5.6	14.8	12.5	6.1
	16	17.3	11.8	4.2	16.9	11.8	4.5	16.6	11.7	4.9	16.2	11.6	5.3	15.8	11.5	5.7	15.4	11.3	6.1
	17	17.9	10.6	4.2	17.5	10.5	4.5	17.2	10.4	4.9	16.8	10.3	5.3	16.3	10.1	5.7	15.9	9.9	6.2
23	15	16.6	14.9	4.2	16.3	14.9	4.5	16.0	14.9	4.8	15.6	14.9	5.2	15.2	14.7	5.6	14.8	14.2	6.1
	16	17.1	14.0	4.2	16.8	14.0	4.5	16.4	14.0	4.9	16.1	13.9	5.2	15.7	13.8	5.7	15.2	13.6	6.1
	17	17.7	13.0	4.2	17.4	13.0	4.5	17.0	13.0	4.9	16.6	12.9	5.3	16.2	12.8	5.7	15.7	12.6	6.1
	18	18.3	11.9	4.2	18.0	11.9	4.6	17.6	11.8	4.9	17.2	11.7	5.3	16.7	11.6	5.7	16.3	11.4	6.2
27	18	18.2	16.2	4.2	17.9	16.2	4.5	17.5	16.2	4.9	17.1	16.2	5.3	16.7	16.1	5.7	16.2	15.6	6.2
	19	18.8	15.4	4.2	18.4	15.4	4.6	18.0	15.3	4.9	17.6	15.3	5.3	17.1	15.2	5.8	16.6	15.0	6.2
	20	19.3	14.4	4.2	18.9	14.4	4.6	18.5	14.4	5.0	18.1	14.3	5.4	17.6	14.2	5.8	17.1	14.0	6.3
	22	20.4	12.2	4.2	20.0	12.1	4.6	19.6	12.0	5.0	19.1	11.9	5.4	18.6	11.7	5.9	18.1	11.5	6.3
31	21	20.1	17.6	4.2	19.7	17.6	4.6	19.2	17.6	5.0	18.8	17.6	5.4	18.3	17.5	5.8	17.8	17.2	6.3
	22	20.5	16.8	4.2	20.1	16.8	4.6	19.7	16.8	5.0	19.2	16.7	5.4	18.7	16.6	5.9	18.2	16.4	6.3
	23	21.0	15.8	4.2	20.6	15.8	4.6	20.1	15.8	5.0	19.7	15.7	5.4	19.1	15.6	5.9	18.6	15.4	6.4
	25	22.1	13.6	4.3	21.7	13.6	4.6	21.2	13.5	5.1	20.7	13.4	5.5	20.1	13.2	5.9	19.6	13.0	6.4

### ISD 211 at Nominal less 20% (1050 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	14.4	13.3	3.6	14.2	13.3	3.8	13.9	13.3	4.1	13.6	13.0	4.4	13.2	12.7	4.8	12.9	12.3	5.1
	15	14.9	12.5	3.6	14.7	12.5	3.9	14.4	12.4	4.2	14.0	12.4	4.5	13.7	12.2	4.8	13.3	12.1	5.2
	16	15.4	11.6	3.6	15.2	11.5	3.9	14.9	11.4	4.2	14.5	11.3	4.5	14.2	11.2	4.8	13.8	11.0	5.2
	17	16.0	10.5	3.6	15.7	10.4	3.9	15.4	10.3	4.2	15.0	10.2	4.5	14.6	10.0	4.9	14.2	9.9	5.2
23	15	14.9	14.3	3.6	14.6	14.0	3.9	14.3	13.7	4.2	14.0	13.4	4.5	13.6	13.1	4.8	13.3	12.7	5.2
	16	15.3	13.5	3.6	15.0	13.5	3.9	14.7	13.5	4.2	14.4	13.4	4.5	14.0	13.3	4.8	13.6	13.1	5.2
	17	15.8	12.7	3.6	15.5	12.7	3.9	15.2	12.6	4.2	14.9	12.5	4.5	14.5	12.4	4.9	14.1	12.2	5.2
	18	16.4	11.8	3.6	16.1	11.7	3.9	15.7	11.6	4.2	15.4	11.5	4.5	15.0	11.3	4.9	14.6	11.2	5.3
27	18	16.3	15.5	3.6	16.0	15.4	3.9	15.7	15.1	4.2	15.3	14.8	4.5	14.9	14.4	4.9	14.5	14.0	5.3
	19	16.8	14.8	3.6	16.4	14.8	3.9	16.1	14.8	4.2	15.7	14.7	4.6	15.3	14.6	4.9	14.9	14.4	5.3
	20	17.3	14.0	3.6	16.9	14.0	3.9	16.6	13.9	4.2	16.2	13.9	4.6	15.8	13.7	4.9	15.3	13.6	5.3
	22	18.3	12.1	3.6	17.9	12.0	3.9	17.5	11.9	4.3	17.1	11.7	4.6	16.7	11.6	5.0	16.2	11.4	5.4
31	21	17.9	16.9	3.6	17.6	16.9	3.9	17.2	16.7	4.3	16.8	16.3	4.6	16.4	15.8	5.0	15.9	15.4	5.4
	22	18.4	16.2	3.6	18.0	16.2	3.9	17.6	16.2	4.3	17.2	16.1	4.6	16.8	16.0	5.0	16.3	15.8	5.4
	23	18.8	15.4	3.6	18.4	15.4	3.9	18.0	15.3	4.3	17.6	15.2	4.6	17.1	15.1	5.0	16.7	14.9	5.4
	25	19.8	13.5	3.6	19.4	13.4	4.0	18.9	13.3	4.3	18.5	13.2	4.7	18.0	13.0	5.1	17.5	12.8	5.5



# 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: **1050 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 211 at Nominal less 30% (1050 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	12.5	11.9	3.1	12.3	11.8	3.3	12.1	11.5	3.6	11.8	11.3	3.8	11.6	11.0	4.1	11.3	10.7	4.4
	15	13.0	11.2	3.1	12.7	11.2	3.3	12.5	11.1	3.6	12.2	11.1	3.8	11.9	11.0	4.1	11.6	10.8	4.5
	16	13.4	10.4	3.1	13.2	10.3	3.3	12.9	10.3	3.6	12.6	10.2	3.9	12.3	10.1	4.2	12.0	9.9	4.5
	17	13.9	9.5	3.1	13.6	9.4	3.3	13.3	9.3	3.6	13.1	9.2	3.9	12.8	9.1	4.2	12.4	8.9	4.5
23	15	12.9	12.4	3.1	12.7	12.1	3.3	12.4	11.9	3.6	12.2	11.6	3.8	11.9	11.3	4.1	11.6	11.0	4.4
	16	13.3	12.1	3.1	13.0	12.1	3.3	12.8	12.0	3.6	12.5	12.0	3.9	12.2	11.7	4.2	11.9	11.4	4.5
	17	13.7	11.4	3.1	13.5	11.3	3.3	13.2	11.3	3.6	12.9	11.2	3.9	12.6	11.1	4.2	12.3	11.0	4.5
	18	14.2	10.6	3.1	13.9	10.5	3.3	13.7	10.4	3.6	13.4	10.3	3.9	13.1	10.2	4.2	12.7	10.1	4.5
27	18	14.1	13.6	3.1	13.9	13.3	3.3	13.6	13.1	3.6	13.3	12.8	3.9	13.0	12.5	4.2	12.7	12.1	4.5
	19	14.6	13.2	3.1	14.3	13.2	3.3	14.0	13.2	3.6	13.7	13.1	3.9	13.4	12.8	4.2	13.0	12.5	4.5
	20	15.0	12.6	3.1	14.7	12.5	3.3	14.4	12.5	3.6	14.1	12.4	3.9	13.7	12.3	4.2	13.4	12.1	4.6
	22	15.8	10.9	3.1	15.5	10.8	3.4	15.2	10.7	3.6	14.9	10.6	4.0	14.5	10.4	4.3	14.1	10.3	4.6
31	21	15.5	15.0	3.1	15.2	14.7	3.4	14.9	14.4	3.6	14.6	14.0	3.9	14.2	13.7	4.3	13.9	13.3	4.6
	22	15.9	14.4	3.1	15.6	14.4	3.4	15.3	14.4	3.6	14.9	14.3	4.0	14.6	14.0	4.3	14.2	13.6	4.6
	23	16.3	13.7	3.1	16.0	13.7	3.4	15.6	13.7	3.7	15.3	13.6	4.0	14.9	13.5	4.3	14.5	13.3	4.6
	25	17.1	12.1	3.1	16.8	12.1	3.4	16.4	12.0	3.7	16.0	11.8	4.0	15.6	11.7	4.3	15.2	11.5	4.7

### ISD 211 at Nominal less 40% (1050 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	10.8	10.1	2.6	10.6	10.0	2.8	10.4	9.8	3.0	10.1	9.6	3.3	9.9	9.3	3.6	9.6	9.0	4.0
	15	11.1	9.5	2.6	10.9	9.5	2.8	10.7	9.5	3.0	10.5	9.4	3.3	10.2	9.3	3.6	9.9	9.2	4.0
	16	11.5	8.8	2.6	11.3	8.8	2.8	11.1	8.7	3.0	10.8	8.6	3.3	10.6	8.5	3.7	10.2	8.4	4.0
	17	11.9	8.1	2.5	11.7	8.0	2.8	11.5	7.9	3.0	11.2	7.8	3.3	10.9	7.7	3.7	10.6	7.5	4.0
23	15	11.1	10.5	2.6	10.9	10.3	2.8	10.7	10.1	3.0	10.4	9.9	3.3	10.2	9.6	3.6	9.9	9.3	4.0
	16	11.4	10.3	2.6	11.2	10.3	2.8	11.0	10.2	3.0	10.7	10.2	3.3	10.5	9.9	3.7	10.2	9.6	4.0
	17	11.8	9.7	2.5	11.6	9.7	2.8	11.3	9.6	3.0	11.1	9.5	3.3	10.8	9.4	3.7	10.5	9.3	4.0
	18	12.2	9.0	2.5	12.0	8.9	2.8	11.7	8.9	3.0	11.5	8.8	3.4	11.2	8.6	3.7	10.8	8.5	4.1
27	18	12.2	11.6	2.5	11.9	11.4	2.8	11.7	11.1	3.0	11.4	10.9	3.4	11.1	10.6	3.7	10.8	10.2	4.0
	19	12.5	11.3	2.5	12.3	11.3	2.8	12.0	11.3	3.1	11.7	11.2	3.4	11.4	10.9	3.7	11.1	10.6	4.1
	20	12.9	10.7	2.5	12.6	10.7	2.8	12.3	10.6	3.1	12.1	10.5	3.4	11.7	10.4	3.7	11.4	10.3	4.1
	22	13.6	9.3	2.5	13.3	9.2	2.7	13.0	9.1	3.1	12.7	9.0	3.4	12.4	8.8	3.7	12.0	8.7	4.1
31	21	13.4	12.8	2.5	13.1	12.6	2.8	12.8	12.3	3.1	12.5	12.0	3.4	12.2	11.6	3.7	11.8	11.3	4.1
	22	13.7	12.4	2.5	13.4	12.3	2.7	13.1	12.3	3.1	12.8	12.2	3.4	12.5	11.9	3.7	12.1	11.6	4.1
	23	14.0	11.8	2.5	13.7	11.7	2.7	13.4	11.7	3.1	13.1	11.6	3.4	12.7	11.4	3.8	12.4	11.3	4.1
	25	14.7	10.4	2.4	14.4	10.3	2.7	14.1	10.2	3.1	13.8	10.1	3.4	13.4	9.9	3.8	13.0	9.8	4.2



# 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: **1050 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 211 at Minimum Capacity (1050 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	8.6	8.0	2.1	8.4	7.9	2.3	8.3	7.7	2.5	8.1	7.6	2.7	7.9	7.4	3.0	7.7	7.1	3.2
	15	8.9	7.5	2.1	8.7	7.5	2.3	8.5	7.4	2.5	8.4	7.4	2.7	8.2	7.3	3.0	7.9	7.2	3.3
	16	9.2	6.9	2.1	9.0	6.9	2.3	8.8	6.9	2.5	8.6	6.8	2.7	8.4	6.7	3.0	8.2	6.6	3.3
	17	9.5	6.3	2.1	9.3	6.2	2.3	9.1	6.2	2.5	8.9	6.1	2.7	8.7	6.0	3.0	8.5	5.9	3.3
23	15	8.8	8.3	2.1	8.7	8.1	2.3	8.5	8.0	2.5	8.3	7.8	2.7	8.1	7.6	3.0	7.9	7.4	3.3
	16	9.1	8.1	2.1	8.9	8.1	2.3	8.8	8.1	2.5	8.6	8.0	2.7	8.4	7.8	3.0	8.1	7.6	3.3
	17	9.4	7.6	2.1	9.2	7.6	2.3	9.0	7.5	2.5	8.8	7.5	2.7	8.6	7.4	3.0	8.4	7.3	3.3
	18	9.7	7.0	2.1	9.5	7.0	2.3	9.3	7.0	2.5	9.1	6.9	2.7	8.9	6.8	3.0	8.7	6.7	3.3
27	18	9.7	9.1	2.1	9.5	9.0	2.3	9.3	8.8	2.5	9.1	8.6	2.7	8.9	8.3	3.0	8.6	8.1	3.3
	19	10.0	8.9	2.1	9.8	8.9	2.3	9.6	8.9	2.5	9.4	8.8	2.7	9.1	8.6	3.0	8.9	8.3	3.3
	20	10.2	8.4	2.0	10.0	8.4	2.3	9.8	8.4	2.5	9.6	8.3	2.7	9.4	8.2	3.0	9.1	8.1	3.3
	22	10.8	7.3	2.0	10.6	7.2	2.2	10.4	7.1	2.5	10.2	7.1	2.7	9.9	7.0	3.0	9.6	6.8	3.3
31	21	10.6	10.1	2.0	10.4	9.9	2.2	10.2	9.7	2.5	10.0	9.4	2.7	9.7	9.2	3.0	9.5	8.9	3.3
	22	10.9	9.7	2.0	10.7	9.7	2.2	10.4	9.7	2.5	10.2	9.6	2.7	9.9	9.4	3.0	9.7	9.1	3.3
	23	11.1	9.2	2.0	10.9	9.2	2.2	10.7	9.2	2.5	10.4	9.1	2.7	10.2	9.0	3.0	9.9	8.9	3.4
	25	11.7	8.2	1.9	11.5	8.1	2.2	11.2	8.0	2.5	11.0	7.9	2.7	10.7	7.8	3.1	10.4	7.7	3.4

## 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: **1300 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 251 at Maximum Capacity (1300 l/s)

Indoor coil E.A.T.		Outdoor coil entering air temperature °C DB.																	
D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	27.2	19.8	8.6	26.6	19.8	9.1	26.0	19.8	9.7	25.3	19.7	10.3	24.5	19.6	11.0	23.7	19.3	11.8
	15	28.2	18.1	8.7	27.6	18.1	9.2	26.9	18.1	9.8	26.2	17.9	10.4	25.4	17.8	11.1	24.6	17.5	11.9
	16	29.2	16.2	8.8	28.6	16.1	9.3	27.9	16.0	9.9	27.1	15.9	10.6	26.3	15.7	11.3	25.4	15.4	12.0
	17	30.2	14.0	8.9	29.6	13.9	9.5	28.8	13.7	10.0	28.1	13.6	10.7	27.2	13.3	11.4	26.3	13.1	12.1
23	15	28.0	21.5	8.7	27.4	21.6	9.2	26.8	21.6	9.8	26.1	21.5	10.4	25.3	21.3	11.1	24.4	21.1	11.9
	16	28.9	19.9	8.8	28.3	19.9	9.3	27.6	19.9	9.9	26.8	19.8	10.5	26.0	19.6	11.2	25.2	19.4	12.0
	17	29.9	18.2	8.9	29.3	18.1	9.4	28.6	18.1	10.0	27.8	18.0	10.6	27.0	17.8	11.3	26.1	17.5	12.1
	18	31.0	16.2	9.0	30.3	16.1	9.5	29.6	16.0	10.1	28.8	15.9	10.8	27.9	15.7	11.5	27.0	15.4	12.2
27	18	30.8	23.4	9.0	30.2	23.5	9.5	29.4	23.5	10.1	28.6	23.4	10.7	27.8	23.2	11.4	26.9	23.0	12.2
	19	31.8	21.9	9.1	31.0	21.9	9.6	30.3	21.9	10.2	29.5	21.8	10.8	28.6	21.6	11.5	27.7	21.4	12.3
	20	32.7	20.2	9.2	32.0	20.2	9.7	31.2	20.1	10.3	30.3	20.0	10.9	29.4	19.8	11.7	28.5	19.6	12.4
	22	34.6	16.1	9.3	33.8	16.0	9.9	33.0	15.9	10.5	32.1	15.7	11.2	31.2	15.5	11.9	30.2	15.3	12.6
31	21	34.0	25.4	9.3	33.2	25.5	9.8	32.4	25.5	10.4	31.5	25.4	11.1	30.6	25.3	11.8	29.6	25.1	12.6
	22	34.8	23.9	9.4	34.0	23.9	9.9	33.1	23.9	10.5	32.3	23.8	11.2	31.3	23.7	11.9	30.3	23.4	12.6
	23	35.6	22.1	9.4	34.8	22.2	10.0	33.9	22.1	10.6	33.0	22.0	11.3	32.0	21.9	12.0	31.0	21.6	12.7
	25	37.4	18.2	9.6	36.6	18.2	10.2	35.7	18.1	10.8	34.7	17.9	11.4	33.7	17.8	12.2	32.6	17.5	12.9

### ISD 251 at Nominal Capacity (1300 l/s)

Indoor coil E.A.T.		Outdoor coil entering air temperature °C DB.																	
D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	21.6	17.8	5.6	21.1	17.8	6.0	20.7	17.7	6.4	20.2	17.7	6.8	19.6	17.5	7.3	19.0	17.3	7.8
	15	22.3	16.5	5.7	21.9	16.5	6.0	21.4	16.4	6.4	20.9	16.3	6.9	20.3	16.1	7.3	19.7	15.9	7.8
	16	23.1	15.0	5.7	22.6	14.9	6.1	22.1	14.8	6.5	21.6	14.7	6.9	21.0	14.5	7.4	20.3	14.3	7.9
	17	23.9	13.3	5.8	23.4	13.2	6.1	22.9	13.1	6.5	22.3	12.9	7.0	21.7	12.7	7.4	21.0	12.5	8.0
23	15	22.2	19.2	5.7	21.8	19.2	6.0	21.3	19.2	6.4	20.8	19.1	6.8	20.2	18.9	7.3	19.6	18.7	7.8
	16	22.9	17.9	5.7	22.4	17.9	6.1	21.9	17.9	6.5	21.4	17.8	6.9	20.8	17.6	7.4	20.2	17.4	7.9
	17	23.7	16.6	5.8	23.2	16.6	6.1	22.6	16.5	6.5	22.1	16.4	7.0	21.5	16.2	7.4	20.8	16.0	7.9
	18	24.5	15.1	5.8	23.9	15.0	6.2	23.4	14.9	6.6	22.8	14.8	7.0	22.2	14.6	7.5	21.5	14.3	8.0
27	18	24.3	20.8	5.8	23.8	20.8	6.2	23.3	20.8	6.6	22.7	20.7	7.0	22.1	20.6	7.5	21.4	20.4	8.0
	19	25.0	19.7	5.8	24.5	19.7	6.2	23.9	19.6	6.6	23.3	19.5	7.1	22.7	19.4	7.5	22.0	19.1	8.0
	20	25.7	18.4	5.9	25.2	18.3	6.3	24.6	18.3	6.7	24.0	18.1	7.1	23.3	18.0	7.6	22.6	17.7	8.1
	22	27.2	15.3	6.0	26.6	15.2	6.4	26.0	15.0	6.8	25.3	14.9	7.2	24.6	14.7	7.7	23.9	14.4	8.2
31	21	26.7	22.5	5.9	26.1	22.6	6.3	25.5	22.6	6.7	24.9	22.5	7.2	24.2	22.4	7.7	23.5	22.1	8.2
	22	27.3	21.4	6.0	26.7	21.4	6.4	26.1	21.3	6.8	25.4	21.3	7.2	24.8	21.1	7.7	24.0	20.9	8.2
	23	27.9	20.1	6.0	27.3	20.1	6.4	26.7	20.0	6.8	26.0	19.9	7.3	25.3	19.7	7.7	24.6	19.5	8.3
	25	29.3	17.1	6.1	28.7	17.0	6.5	28.0	16.9	6.9	27.3	16.7	7.4	26.6	16.6	7.8	25.8	16.3	8.4

# 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: **1300 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 251 at Nominal less 10% (1300 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	19.4	17.1	4.8	19.0	17.1	5.1	18.6	17.0	5.4	18.2	16.9	5.8	17.7	16.8	6.2	17.2	16.4	6.6
	15	20.1	16.0	4.8	19.7	15.9	5.1	19.2	15.8	5.5	18.8	15.7	5.8	18.3	15.5	6.2	17.8	15.3	6.6
	16	20.8	14.7	4.9	20.3	14.6	5.2	19.9	14.5	5.5	19.4	14.3	5.9	18.9	14.1	6.3	18.4	13.9	6.7
	17	21.5	13.2	4.9	21.0	13.1	5.2	20.6	12.9	5.5	20.1	12.7	5.9	19.5	12.5	6.3	19.0	12.3	6.8
23	15	20.0	18.4	4.8	19.6	18.4	5.1	19.2	18.3	5.5	18.7	17.9	5.8	18.2	17.4	6.2	17.7	16.9	6.6
	16	20.6	17.3	4.8	20.2	17.3	5.2	19.7	17.2	5.5	19.2	17.1	5.9	18.7	16.9	6.3	18.2	16.7	6.7
	17	21.3	16.1	4.9	20.8	16.1	5.2	20.4	16.0	5.5	19.9	15.8	5.9	19.4	15.7	6.3	18.8	15.5	6.7
	18	22.0	14.8	4.9	21.5	14.7	5.2	21.0	14.6	5.6	20.5	14.4	5.9	20.0	14.2	6.4	19.4	14.0	6.8
27	18	21.9	19.9	4.9	21.4	19.9	5.2	20.9	19.9	5.6	20.4	19.6	5.9	19.9	19.1	6.3	19.3	18.5	6.8
	19	22.5	18.9	4.9	22.0	18.9	5.3	21.5	18.8	5.6	21.0	18.7	6.0	20.4	18.6	6.4	19.9	18.4	6.8
	20	23.1	17.8	5.0	22.6	17.7	5.3	22.1	17.6	5.6	21.6	17.5	6.0	21.0	17.3	6.4	20.4	17.1	6.9
	22	24.4	15.1	5.0	23.8	14.9	5.3	23.3	14.8	5.7	22.7	14.6	6.1	22.2	14.4	6.5	21.5	14.2	7.0
31	21	23.9	21.6	5.0	23.4	21.6	5.3	22.9	21.5	5.7	22.3	21.5	6.1	21.8	21.0	6.5	21.2	20.4	6.9
	22	24.5	20.6	5.0	24.0	20.5	5.4	23.4	20.5	5.7	22.8	20.4	6.1	22.2	20.2	6.5	21.6	20.0	7.0
	23	25.0	19.4	5.0	24.5	19.4	5.4	23.9	19.3	5.7	23.3	19.2	6.1	22.7	19.0	6.5	22.1	18.8	7.0
	25	26.2	16.8	5.1	25.7	16.7	5.4	25.1	16.6	5.8	24.5	16.4	6.2	23.8	16.2	6.6	23.2	16.0	7.1

### ISD 251 at Nominal less 20% (1300 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	17.2	16.0	4.1	16.9	16.0	4.3	16.5	15.7	4.6	16.1	15.3	4.9	15.7	14.9	5.2	15.3	14.5	5.6
	15	17.8	15.0	4.1	17.5	15.0	4.3	17.1	14.9	4.6	16.7	14.8	4.9	16.3	14.6	5.3	15.8	14.4	5.6
	16	18.4	13.9	4.1	18.0	13.8	4.4	17.6	13.7	4.7	17.2	13.5	5.0	16.8	13.4	5.3	16.3	13.2	5.7
	17	19.0	12.6	4.1	18.6	12.5	4.4	18.2	12.3	4.7	17.8	12.2	5.0	17.4	12.0	5.4	16.9	11.7	5.7
23	15	17.7	16.9	4.1	17.4	16.6	4.3	17.0	16.2	4.6	16.6	15.8	4.9	16.2	15.4	5.3	15.8	15.0	5.6
	16	18.3	16.2	4.1	17.9	16.2	4.4	17.5	16.1	4.6	17.1	16.0	5.0	16.7	15.8	5.3	16.2	15.4	5.7
	17	18.9	15.2	4.1	18.5	15.1	4.4	18.1	15.0	4.7	17.6	14.9	5.0	17.2	14.8	5.3	16.7	14.6	5.7
	18	19.5	14.1	4.1	19.1	14.0	4.4	18.6	13.8	4.7	18.2	13.7	5.0	17.7	13.5	5.4	17.3	13.3	5.7
27	18	19.4	18.6	4.1	19.0	18.2	4.4	18.6	17.8	4.7	18.1	17.3	5.0	17.7	16.9	5.4	17.2	16.4	5.7
	19	19.9	17.7	4.2	19.5	17.7	4.4	19.1	17.6	4.7	18.6	17.5	5.1	18.2	17.4	5.4	17.7	16.9	5.8
	20	20.5	16.8	4.2	20.0	16.7	4.4	19.6	16.6	4.8	19.1	16.5	5.1	18.6	16.3	5.4	18.1	16.1	5.8
	22	21.6	14.4	4.2	21.1	14.3	4.5	20.6	14.1	4.8	20.1	13.9	5.1	19.6	13.7	5.5	19.1	13.5	5.9
31	21	21.2	20.1	4.2	20.7	19.9	4.5	20.3	19.5	4.8	19.8	19.0	5.1	19.3	18.5	5.5	18.8	18.0	5.8
	22	21.7	19.3	4.2	21.2	19.2	4.5	20.7	19.1	4.8	20.2	19.0	5.1	19.7	18.9	5.5	19.2	18.4	5.9
	23	22.1	18.3	4.2	21.7	18.2	4.5	21.2	18.1	4.8	20.7	18.0	5.1	20.2	17.8	5.5	19.6	17.6	5.9
	25	23.2	16.0	4.2	22.7	15.9	4.5	22.2	15.7	4.9	21.7	15.6	5.2	21.1	15.4	5.6	20.5	15.2	5.9

# 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: **1300 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 251 at Nominal less 30% (1300 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	15.1	14.2	3.6	14.8	14.0	3.8	14.5	13.7	4.0	14.2	13.4	4.3	13.8	13.0	4.6	13.5	12.7	4.9
	15	15.6	13.3	3.6	15.3	13.2	3.8	15.0	13.2	4.1	14.6	13.1	4.3	14.3	12.9	4.6	13.9	12.8	4.9
	16	16.1	12.3	3.6	15.8	12.2	3.8	15.4	12.1	4.1	15.1	12.0	4.3	14.7	11.9	4.6	14.3	11.7	4.9
	17	16.6	11.2	3.6	16.3	11.1	3.9	15.9	10.9	4.1	15.6	10.8	4.4	15.2	10.6	4.7	14.8	10.4	5.0
23	15	15.5	14.7	3.6	15.2	14.4	3.8	14.9	14.1	4.1	14.6	13.8	4.3	14.2	13.4	4.6	13.8	13.0	4.9
	16	16.0	14.4	3.6	15.6	14.3	3.8	15.3	14.2	4.1	15.0	14.1	4.3	14.6	13.8	4.6	14.2	13.4	4.9
	17	16.5	13.5	3.6	16.1	13.4	3.9	15.8	13.3	4.1	15.4	13.2	4.4	15.1	13.1	4.7	14.7	12.9	5.0
	18	17.0	12.5	3.6	16.7	12.4	3.9	16.3	12.3	4.1	15.9	12.1	4.4	15.5	12.0	4.7	15.1	11.8	5.0
27	18	16.9	16.1	3.6	16.6	15.8	3.9	16.2	15.4	4.1	15.9	15.1	4.4	15.5	14.7	4.7	15.1	14.3	5.0
	19	17.4	15.7	3.7	17.0	15.6	3.9	16.7	15.6	4.1	16.3	15.5	4.4	15.9	15.1	4.7	15.5	14.7	5.0
	20	17.9	14.8	3.7	17.5	14.7	3.9	17.1	14.7	4.2	16.7	14.6	4.4	16.3	14.4	4.7	15.9	14.3	5.0
	22	18.8	12.8	3.7	18.4	12.6	3.9	18.0	12.5	4.2	17.6	12.4	4.5	17.2	12.2	4.8	16.7	12.0	5.1
31	21	18.5	17.7	3.7	18.1	17.3	3.9	17.7	16.9	4.2	17.3	16.5	4.5	16.9	16.1	4.7	16.4	15.6	5.1
	22	18.9	17.0	3.7	18.5	17.0	3.9	18.1	16.9	4.2	17.7	16.8	4.5	17.2	16.4	4.8	16.8	16.0	5.1
	23	19.3	16.1	3.7	18.9	16.1	3.9	18.5	16.0	4.2	18.0	15.9	4.5	17.6	15.7	4.8	17.1	15.6	5.1
	25	20.2	14.2	3.7	19.8	14.1	4.0	19.3	13.9	4.2	18.9	13.8	4.5	18.4	13.6	4.8	17.9	13.4	5.1

### ISD 251 at Nominal less 40% (1300 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	13.1	12.2	3.1	12.8	12.0	3.3	12.5	11.7	3.5	12.2	11.4	3.7	11.9	11.1	4.0	11.5	10.7	4.3
	15	13.5	11.4	3.1	13.2	11.3	3.3	12.9	11.2	3.5	12.6	11.1	3.7	12.3	11.0	4.0	11.9	10.9	4.3
	16	14.0	10.6	3.1	13.6	10.4	3.3	13.3	10.3	3.5	13.0	10.2	3.7	12.6	10.1	4.0	12.3	9.9	4.3
	17	14.4	9.6	3.1	14.1	9.4	3.3	13.7	9.3	3.5	13.4	9.2	3.8	13.0	9.0	4.0	12.7	8.8	4.3
23	15	13.4	12.6	3.1	13.1	12.3	3.3	12.8	12.0	3.5	12.5	11.7	3.7	12.2	11.4	4.0	11.9	11.1	4.3
	16	13.8	12.3	3.1	13.5	12.2	3.3	13.2	12.2	3.5	12.9	12.1	3.7	12.5	11.7	4.0	12.2	11.4	4.3
	17	14.3	11.6	3.1	13.9	11.5	3.3	13.6	11.4	3.5	13.3	11.2	3.8	12.9	11.1	4.0	12.6	11.0	4.3
	18	14.7	10.7	3.0	14.4	10.6	3.3	14.0	10.5	3.5	13.7	10.3	3.8	13.3	10.2	4.0	13.0	10.0	4.3
27	18	14.7	13.9	3.0	14.3	13.5	3.3	14.0	13.2	3.5	13.6	12.8	3.8	13.3	12.5	4.0	12.9	12.1	4.3
	19	15.1	13.5	3.0	14.7	13.4	3.3	14.3	13.3	3.5	14.0	13.2	3.8	13.6	12.8	4.0	13.2	12.4	4.3
	20	15.5	12.7	3.0	15.1	12.6	3.3	14.7	12.5	3.5	14.4	12.4	3.8	14.0	12.3	4.0	13.6	12.1	4.3
	22	16.3	10.9	3.0	15.9	10.8	3.3	15.5	10.7	3.5	15.1	10.5	3.8	14.7	10.3	4.1	14.3	10.2	4.4
31	21	16.0	15.2	3.0	15.6	14.8	3.3	15.2	14.4	3.5	14.8	14.0	3.8	14.5	13.7	4.1	14.1	13.3	4.3
	22	16.3	14.6	3.0	15.9	14.5	3.3	15.6	14.4	3.5	15.2	14.3	3.8	14.8	14.0	4.1	14.4	13.6	4.4
	23	16.7	13.9	3.0	16.3	13.8	3.2	15.9	13.6	3.5	15.5	13.5	3.8	15.1	13.4	4.1	14.7	13.2	4.4
	25	17.5	12.2	3.0	17.0	12.0	3.2	16.6	11.9	3.5	16.2	11.7	3.8	15.8	11.6	4.1	15.3	11.4	4.4

# 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: **1300 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 251 at Minimum Capacity (1300 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	12.4	11.5	2.9	12.1	11.3	3.1	11.8	11.0	3.3	11.6	10.8	3.5	11.3	10.5	3.8	11.0	10.2	4.0
	15	12.8	10.8	2.9	12.5	10.7	3.1	12.2	10.6	3.3	11.9	10.5	3.5	11.6	10.4	3.8	11.3	10.3	4.0
	16	13.2	10.0	2.9	12.9	9.9	3.1	12.6	9.8	3.3	12.3	9.6	3.5	12.0	9.5	3.8	11.7	9.4	4.1
	17	13.7	9.0	2.9	13.3	8.9	3.1	13.0	8.8	3.3	12.7	8.6	3.6	12.4	8.5	3.8	12.0	8.3	4.1
23	15	12.8	12.0	2.9	12.5	11.7	3.1	12.2	11.4	3.3	11.9	11.1	3.5	11.6	10.8	3.8	11.3	10.5	4.0
	16	13.1	11.6	2.9	12.8	11.6	3.1	12.5	11.5	3.3	12.2	11.4	3.5	11.9	11.1	3.8	11.6	10.8	4.0
	17	13.5	10.9	2.9	13.2	10.8	3.1	12.9	10.7	3.3	12.6	10.6	3.5	12.3	10.5	3.8	11.9	10.3	4.1
	18	14.0	10.1	2.9	13.6	10.0	3.1	13.3	9.9	3.3	13.0	9.7	3.6	12.6	9.6	3.8	12.3	9.4	4.1
27	18	13.9	13.1	2.9	13.6	12.8	3.1	13.2	12.4	3.3	12.9	12.1	3.6	12.6	11.8	3.8	12.2	11.4	4.1
	19	14.3	12.7	2.9	13.9	12.6	3.1	13.6	12.5	3.3	13.3	12.5	3.6	12.9	12.1	3.8	12.6	11.8	4.1
	20	14.6	12.0	2.9	14.3	11.9	3.1	13.9	11.8	3.3	13.6	11.7	3.6	13.2	11.6	3.8	12.9	11.4	4.1
	22	15.4	10.3	2.9	15.0	10.2	3.1	14.7	10.0	3.3	14.3	9.9	3.6	13.9	9.7	3.8	13.5	9.6	4.1
31	21	15.2	14.4	2.9	14.8	14.0	3.1	14.4	13.6	3.3	14.1	13.3	3.6	13.7	12.9	3.8	13.3	12.5	4.1
	22	15.5	13.8	2.9	15.1	13.7	3.1	14.7	13.6	3.3	14.4	13.5	3.6	14.0	13.2	3.8	13.6	12.8	4.1
	23	15.8	13.1	2.8	15.4	13.0	3.1	15.0	12.9	3.3	14.7	12.8	3.6	14.3	12.6	3.8	13.9	12.5	4.1
	25	16.5	11.5	2.8	16.1	11.3	3.0	15.7	11.2	3.3	15.3	11.1	3.5	14.9	10.9	3.8	14.5	10.7	4.1

## 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: **1900 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 351 at Maximum Capacity (1900 l/s)

Indoor coil E.A.T.		Outdoor coil entering air temperature °C DB.																	
D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	40.8	30.1	12.7	39.6	29.9	13.8	38.4	29.6	14.9	37.1	29.3	16.2	35.8	28.8	17.4	34.4	28.3	18.8
	15	42.2	27.5	12.8	41.0	27.3	13.9	39.7	27.0	15.1	38.4	26.6	16.3	37.0	26.2	17.6	35.5	25.6	18.9
	16	43.6	24.6	12.9	42.4	24.3	14.0	41.1	24.0	15.2	39.7	23.6	16.4	38.3	23.1	17.7	36.8	22.6	19.1
	17	45.1	21.3	13.0	43.8	21.0	14.1	42.5	20.6	15.3	41.0	20.2	16.5	39.6	19.7	17.8	38.0	19.2	19.2
23	15	42.0	32.6	12.8	40.8	32.4	13.9	39.5	32.2	15.0	38.2	31.8	16.3	36.8	31.4	17.5	35.4	30.8	18.9
	16	43.2	30.2	12.9	42.0	30.0	14.0	40.7	29.7	15.1	39.3	29.3	16.4	37.9	28.8	17.7	36.4	28.3	19.0
	17	44.7	27.6	13.0	43.4	27.3	14.1	42.1	27.0	15.3	40.7	26.6	16.5	39.2	26.1	17.8	37.6	25.6	19.2
	18	46.2	24.6	13.1	44.9	24.3	14.2	43.5	24.0	15.4	42.0	23.6	16.6	40.5	23.1	17.9	38.9	22.5	19.3
27	18	46.0	35.3	13.1	44.7	35.2	14.2	43.3	34.9	15.4	41.8	34.6	16.6	40.3	34.1	17.9	38.7	33.5	19.3
	19	47.3	33.1	13.2	46.0	32.9	14.3	44.5	32.6	15.5	43.0	32.2	16.7	41.5	31.7	18.0	39.8	31.1	19.4
	20	48.7	30.5	13.3	47.3	30.3	14.4	45.8	30.0	15.6	44.3	29.6	16.8	42.7	29.1	18.1	41.0	28.5	19.5
	22	51.5	24.5	13.4	50.0	24.2	14.6	48.4	23.8	15.8	46.8	23.4	17.0	45.1	22.9	18.3	43.3	22.3	19.7
31	21	50.5	38.3	13.4	49.1	38.2	14.5	47.5	37.9	15.7	45.9	37.5	16.9	44.3	37.0	18.3	42.5	36.4	19.7
	22	51.7	36.0	13.4	50.2	35.9	14.6	48.6	35.6	15.8	47.0	35.2	17.0	45.3	34.7	18.4	43.5	34.1	19.8
	23	52.9	33.5	13.5	51.4	33.3	14.6	49.8	33.0	15.8	48.1	32.6	17.1	46.4	32.1	18.4	44.6	31.5	19.8
	25	55.6	27.7	13.7	54.0	27.4	14.8	52.3	27.1	16.0	50.6	26.6	17.3	48.8	26.1	18.6	46.9	25.6	20.0

### ISD 351 at Nominal Capacity (1900 l/s)

Indoor coil E.A.T.		Outdoor coil entering air temperature °C DB.																	
D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	33.0	26.5	7.9	32.1	26.4	8.6	31.2	26.2	9.3	30.3	25.9	10.0	29.4	25.6	10.8	28.4	25.2	11.7
	15	34.1	24.5	8.0	33.2	24.4	8.6	32.3	24.1	9.3	31.4	23.9	10.1	30.4	23.5	10.9	29.4	23.1	11.8
	16	35.3	22.2	8.0	34.4	22.0	8.7	33.4	21.8	9.4	32.4	21.5	10.2	31.4	21.1	11.0	30.4	20.7	11.9
	17	36.4	19.6	8.0	35.5	19.4	8.7	34.5	19.1	9.4	33.5	18.7	10.2	32.5	18.4	11.1	31.4	18.0	12.0
23	15	33.9	28.6	8.0	33.1	28.5	8.6	32.2	28.3	9.3	31.2	28.1	10.1	30.2	27.8	10.9	29.2	27.4	11.8
	16	34.9	26.7	8.0	34.0	26.6	8.7	33.1	26.4	9.4	32.1	26.1	10.1	31.1	25.8	11.0	30.1	25.4	11.8
	17	36.1	24.7	8.0	35.2	24.5	8.7	34.2	24.3	9.4	33.2	24.0	10.2	32.2	23.6	11.0	31.1	23.2	11.9
	18	37.3	22.4	8.1	36.3	22.1	8.7	35.4	21.9	9.5	34.3	21.6	10.3	33.3	21.2	11.1	32.1	20.8	12.0
27	18	37.1	31.0	8.1	36.2	30.9	8.7	35.2	30.8	9.5	34.2	30.5	10.3	33.1	30.2	11.1	32.0	29.8	12.0
	19	38.2	29.3	8.1	37.2	29.2	8.8	36.2	29.0	9.5	35.1	28.7	10.3	34.0	28.4	11.2	32.9	27.9	12.1
	20	39.3	27.3	8.1	38.3	27.1	8.8	37.2	26.9	9.6	36.1	26.6	10.4	35.0	26.3	11.2	33.8	25.9	12.2
	22	41.5	22.6	8.1	40.4	22.3	8.9	39.3	22.0	9.6	38.2	21.7	10.5	37.0	21.3	11.4	35.8	20.9	12.3
31	21	40.7	33.7	8.1	39.7	33.6	8.8	38.6	33.4	9.6	37.5	33.2	10.4	36.3	32.9	11.3	35.1	32.4	12.3
	22	41.7	31.9	8.2	40.6	31.8	8.9	39.5	31.6	9.6	38.4	31.3	10.5	37.2	31.0	11.4	36.0	30.6	12.3
	23	42.6	29.9	8.2	41.5	29.8	8.9	40.4	29.5	9.7	39.3	29.3	10.5	38.0	28.9	11.4	36.8	28.5	12.4
	25	44.8	25.4	8.2	43.7	25.2	8.9	42.5	24.9	9.7	41.3	24.6	10.6	40.0	24.2	11.5	38.7	23.8	12.5



# 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: **1900 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 351 at Nominal less 10% (1900 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	29.6	25.6	6.8	28.9	25.4	7.4	28.1	25.3	8.0	27.3	25.0	8.6	26.5	24.7	9.3	25.7	24.3	10.1
	15	30.6	23.8	6.9	29.8	23.7	7.4	29.1	23.4	8.0	28.2	23.2	8.7	27.4	22.8	9.4	26.5	22.5	10.1
	16	31.6	21.8	6.9	30.8	21.6	7.5	30.0	21.4	8.1	29.2	21.1	8.7	28.3	20.7	9.4	27.4	20.3	10.2
	17	32.7	19.6	6.9	31.9	19.3	7.5	31.0	19.0	8.1	30.2	18.7	8.8	29.3	18.3	9.5	28.3	17.9	10.3
23	15	30.4	27.5	6.9	29.7	27.4	7.4	28.9	27.2	8.0	28.1	26.7	8.7	27.3	25.9	9.4	26.4	25.0	10.1
	16	31.3	25.8	6.9	30.5	25.7	7.5	29.7	25.5	8.1	28.9	25.2	8.7	28.1	24.9	9.4	27.2	24.5	10.2
	17	32.3	24.1	6.9	31.6	23.9	7.5	30.7	23.7	8.1	29.9	23.4	8.8	29.0	23.0	9.5	28.1	22.6	10.2
	18	33.4	22.1	6.9	32.6	21.8	7.5	31.8	21.6	8.1	30.9	21.2	8.8	30.0	20.9	9.5	29.0	20.5	10.3
27	18	33.3	29.8	6.9	32.5	29.7	7.5	31.6	29.5	8.1	30.7	29.3	8.8	29.8	28.5	9.5	28.9	27.5	10.3
	19	34.2	28.3	6.9	33.4	28.2	7.5	32.5	28.0	8.2	31.6	27.7	8.8	30.7	27.4	9.6	29.7	27.0	10.4
	20	35.2	26.6	7.0	34.3	26.4	7.6	33.4	26.2	8.2	32.5	25.9	8.9	31.5	25.6	9.6	30.5	25.2	10.4
	22	37.1	22.5	7.0	36.2	22.2	7.6	35.3	21.9	8.2	34.3	21.6	9.0	33.3	21.2	9.7	32.3	20.8	10.5
31	21	36.5	32.3	7.0	35.6	32.3	7.6	34.7	32.1	8.2	33.7	31.9	8.9	32.7	31.3	9.7	31.7	30.3	10.5
	22	37.3	30.8	7.0	36.4	30.7	7.6	35.4	30.5	8.2	34.5	30.2	9.0	33.5	29.9	9.7	32.4	29.5	10.5
	23	38.1	29.1	7.0	37.2	28.9	7.6	36.3	28.7	8.3	35.3	28.4	9.0	34.2	28.1	9.8	33.2	27.7	10.6
	25	40.1	25.1	7.0	39.1	24.9	7.6	38.1	24.6	8.3	37.0	24.3	9.0	36.0	23.9	9.8	34.8	23.5	10.7

### ISD 351 at Nominal less 20% (1900 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	26.7	24.1	6.0	26.1	24.0	6.5	25.4	23.8	7.0	24.7	23.4	7.5	24.0	22.7	8.1	23.3	21.9	8.7
	15	27.6	22.6	6.0	27.0	22.4	6.5	26.3	22.2	7.0	25.6	21.9	7.6	24.8	21.6	8.2	24.1	21.3	8.8
	16	28.6	20.8	6.0	27.9	20.6	6.5	27.2	20.3	7.0	26.4	20.1	7.6	25.7	19.7	8.2	24.9	19.4	8.9
	17	29.5	18.8	6.1	28.8	18.5	6.5	28.1	18.3	7.1	27.3	17.9	7.6	26.5	17.6	8.3	25.7	17.2	8.9
23	15	27.5	25.9	6.0	26.8	25.5	6.5	26.2	24.8	7.0	25.5	24.1	7.6	24.7	23.4	8.2	23.9	22.6	8.8
	16	28.3	24.4	6.0	27.6	24.3	6.5	26.9	24.1	7.0	26.2	23.8	7.6	25.4	23.5	8.2	24.6	23.2	8.8
	17	29.2	22.9	6.1	28.5	22.7	6.5	27.8	22.4	7.1	27.0	22.2	7.6	26.3	21.8	8.2	25.5	21.5	8.9
	18	30.2	21.1	6.1	29.5	20.8	6.6	28.7	20.6	7.1	27.9	20.3	7.7	27.1	19.9	8.3	26.3	19.6	8.9
27	18	30.0	28.1	6.1	29.3	28.0	6.6	28.6	27.2	7.1	27.8	26.5	7.7	27.0	25.7	8.3	26.2	24.8	8.9
	19	30.9	26.7	6.1	30.1	26.6	6.6	29.4	26.4	7.1	28.6	26.1	7.7	27.8	25.8	8.3	26.9	25.5	9.0
	20	31.7	25.2	6.1	31.0	25.0	6.6	30.2	24.8	7.1	29.4	24.5	7.7	28.5	24.2	8.3	27.7	23.8	9.0
	22	33.5	21.5	6.1	32.7	21.3	6.6	31.9	21.0	7.2	31.0	20.7	7.8	30.1	20.3	8.4	29.2	19.9	9.1
31	21	32.9	30.4	6.1	32.1	30.4	6.6	31.3	30.0	7.2	30.5	29.1	7.8	29.6	28.2	8.4	28.7	27.3	9.1
	22	33.7	29.1	6.1	32.9	29.0	6.6	32.0	28.8	7.2	31.2	28.5	7.8	30.3	28.2	8.4	29.4	27.9	9.1
	23	34.4	27.6	6.1	33.6	27.4	6.6	32.8	27.2	7.2	31.9	26.9	7.8	31.0	26.6	8.5	30.0	26.2	9.2
	25	36.1	24.1	6.1	35.3	23.8	6.6	34.4	23.6	7.2	33.5	23.3	7.8	32.5	22.9	8.5	31.5	22.5	9.2



# 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: **1900 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 351 at Nominal less 30% (1900 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	23.0	21.4	5.0	22.4	21.0	5.4	21.9	20.5	5.8	21.3	19.9	6.2	20.7	19.3	6.7	20.1	18.7	7.2
	15	23.7	20.1	5.0	23.2	19.9	5.4	22.6	19.7	5.8	22.0	19.5	6.2	21.4	19.2	6.7	20.8	18.9	7.2
	16	24.5	18.6	5.0	23.9	18.4	5.4	23.4	18.2	5.8	22.8	17.9	6.3	22.1	17.6	6.7	21.5	17.3	7.3
	17	25.3	16.8	5.0	24.7	16.6	5.4	24.1	16.4	5.8	23.5	16.1	6.3	22.8	15.8	6.8	22.2	15.4	7.3
23	15	23.6	22.2	5.0	23.1	21.7	5.4	22.5	21.1	5.8	21.9	20.5	6.2	21.3	19.9	6.7	20.7	19.3	7.2
	16	24.3	21.6	5.0	23.7	21.5	5.4	23.2	21.3	5.8	22.5	21.1	6.3	21.9	20.5	6.7	21.3	19.9	7.2
	17	25.1	20.3	5.0	24.5	20.2	5.4	23.9	20.0	5.8	23.3	19.7	6.3	22.6	19.5	6.8	22.0	19.1	7.3
	18	25.9	18.8	5.1	25.3	18.6	5.4	24.7	18.4	5.9	24.0	18.1	6.3	23.4	17.8	6.8	22.7	17.5	7.3
27	18	25.8	24.4	5.0	25.2	23.8	5.4	24.6	23.2	5.9	23.9	22.5	6.3	23.3	21.9	6.8	22.6	21.2	7.3
	19	26.5	23.7	5.1	25.9	23.6	5.4	25.2	23.4	5.9	24.6	23.2	6.3	23.9	22.5	6.8	23.2	21.8	7.3
	20	27.2	22.4	5.1	26.6	22.2	5.4	25.9	22.1	5.9	25.3	21.8	6.3	24.6	21.5	6.8	23.8	21.2	7.4
	22	28.7	19.3	5.0	28.0	19.1	5.5	27.4	18.8	5.9	26.7	18.5	6.4	25.9	18.2	6.9	25.2	17.9	7.4
31	21	28.2	26.8	5.0	27.6	26.2	5.5	26.9	25.5	5.9	26.2	24.8	6.4	25.5	24.1	6.9	24.7	23.3	7.4
	22	28.8	25.8	5.0	28.2	25.7	5.5	27.5	25.5	5.9	26.8	25.3	6.4	26.0	24.6	6.9	25.3	23.9	7.4
	23	29.5	24.5	5.0	28.8	24.3	5.5	28.1	24.2	5.9	27.4	23.9	6.4	26.6	23.6	6.9	25.9	23.3	7.5
	25	30.9	21.5	5.0	30.2	21.3	5.5	29.5	21.1	5.9	28.7	20.8	6.4	28.0	20.5	6.9	27.1	20.1	7.5

### ISD 351 at Nominal less 40% (1900 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	18.8	17.1	3.9	18.4	16.9	4.2	18.0	16.5	4.5	17.5	16.0	4.9	17.0	15.5	5.3	16.5	15.0	5.7
	15	19.4	16.1	3.9	19.0	16.0	4.2	18.6	15.8	4.6	18.1	15.7	4.9	17.6	15.4	5.3	17.1	15.2	5.7
	16	20.1	14.8	3.9	19.7	14.7	4.2	19.2	14.5	4.6	18.7	14.4	4.9	18.2	14.1	5.3	17.7	13.9	5.7
	17	20.8	13.4	3.9	20.3	13.3	4.2	19.8	13.1	4.6	19.3	12.9	4.9	18.8	12.6	5.3	18.3	12.4	5.8
23	15	19.3	17.8	3.9	18.9	17.4	4.2	18.5	17.0	4.6	18.0	16.5	4.9	17.5	16.0	5.3	17.0	15.5	5.7
	16	19.9	17.4	3.9	19.5	17.3	4.2	19.0	17.2	4.6	18.5	17.0	4.9	18.0	16.5	5.3	17.5	16.0	5.7
	17	20.6	16.3	3.9	20.1	16.2	4.2	19.6	16.0	4.6	19.2	15.9	4.9	18.6	15.6	5.3	18.1	15.4	5.7
	18	21.2	15.1	3.9	20.8	14.9	4.2	20.3	14.8	4.6	19.8	14.6	4.9	19.2	14.3	5.3	18.7	14.0	5.8
27	18	21.1	19.6	3.9	20.7	19.2	4.2	20.2	18.7	4.6	19.7	18.2	4.9	19.2	17.6	5.3	18.6	17.1	5.8
	19	21.7	19.1	3.9	21.3	19.0	4.2	20.8	18.9	4.6	20.3	18.7	5.0	19.7	18.2	5.4	19.1	17.6	5.8
	20	22.3	18.0	3.9	21.9	17.9	4.2	21.4	17.8	4.6	20.8	17.6	5.0	20.3	17.4	5.4	19.7	17.1	5.8
	22	23.6	15.5	3.9	23.1	15.3	4.2	22.5	15.1	4.6	22.0	14.9	5.0	21.4	14.7	5.4	20.8	14.4	5.9
31	21	23.2	21.6	3.9	22.7	21.1	4.2	22.1	20.6	4.6	21.6	20.1	5.0	21.0	19.5	5.4	20.4	18.9	5.8
	22	23.7	20.8	3.9	23.2	20.7	4.2	22.6	20.6	4.6	22.1	20.5	5.0	21.5	20.0	5.4	20.9	19.4	5.9
	23	24.2	19.7	3.9	23.7	19.7	4.2	23.2	19.5	4.6	22.6	19.4	5.0	22.0	19.2	5.4	21.4	18.9	5.9
	25	25.4	17.3	3.9	24.9	17.2	4.2	24.3	17.0	4.6	23.7	16.8	5.0	23.1	16.6	5.5	22.5	16.3	5.9

# 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: **1900 l/s**

**Note:** Total Capacity figures are **gross** and do not include allowance for fan motor heat loss. Capacities are for close coupled systems. Interconnecting pipework will reduce capacity.

### ISD 351 at Nominal less 50% (1900 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	16.2	14.6	3.5	15.9	14.4	3.7	15.5	14.1	4.0	15.1	13.7	4.3	14.7	13.3	4.6	14.3	12.9	5.0
	15	16.8	13.7	3.5	16.4	13.6	3.7	16.0	13.5	4.0	15.6	13.4	4.3	15.2	13.2	4.6	14.8	13.0	5.0
	16	17.3	12.6	3.5	16.9	12.5	3.7	16.6	12.4	4.0	16.2	12.3	4.3	15.7	12.1	4.6	15.3	11.9	5.0
	17	17.9	11.4	3.5	17.5	11.3	3.7	17.1	11.1	4.0	16.7	11.0	4.3	16.3	10.8	4.7	15.8	10.6	5.0
23	15	16.7	15.2	3.5	16.3	14.9	3.7	16.0	14.5	4.0	15.6	14.1	4.3	15.2	13.7	4.6	14.7	13.3	5.0
	16	17.1	14.8	3.5	16.8	14.8	3.7	16.4	14.7	4.0	16.0	14.6	4.3	15.6	14.1	4.6	15.2	13.7	5.0
	17	17.7	13.9	3.5	17.3	13.8	3.7	17.0	13.7	4.0	16.5	13.6	4.3	16.1	13.4	4.7	15.7	13.2	5.0
	18	18.3	12.8	3.5	17.9	12.7	3.7	17.5	12.6	4.0	17.1	12.4	4.3	16.6	12.2	4.7	16.2	12.0	5.0
27	18	18.2	16.7	3.5	17.8	16.4	3.7	17.4	16.0	4.0	17.0	15.6	4.3	16.6	15.1	4.7	16.1	14.6	5.0
	19	18.7	16.3	3.5	18.3	16.2	3.7	17.9	16.1	4.0	17.5	16.0	4.3	17.0	15.6	4.7	16.6	15.1	5.1
	20	19.2	15.4	3.5	18.8	15.3	3.7	18.4	15.2	4.0	18.0	15.1	4.3	17.5	14.9	4.7	17.0	14.7	5.1
	22	20.3	13.2	3.5	19.9	13.1	3.7	19.4	12.9	4.0	19.0	12.7	4.4	18.5	12.5	4.7	18.0	12.3	5.1
31	21	19.9	18.5	3.5	19.5	18.1	3.7	19.1	17.6	4.0	18.6	17.2	4.4	18.2	16.7	4.7	17.7	16.2	5.1
	22	20.4	17.7	3.5	20.0	17.7	3.7	19.5	17.6	4.0	19.1	17.5	4.4	18.6	17.1	4.7	18.1	16.6	5.1
	23	20.8	16.8	3.4	20.4	16.8	3.7	20.0	16.7	4.0	19.5	16.6	4.4	19.0	16.4	4.7	18.5	16.2	5.1
	25	21.9	14.8	3.4	21.4	14.6	3.7	21.0	14.5	4.0	20.5	14.4	4.4	19.9	14.2	4.7	19.4	13.9	5.1

### ISD 351 at Minimum Capacity (1900 l/s)

Indoor coil  
 E.A.T.

Outdoor coil entering air temperature °C DB.

D.B. °C	W.B. °C	23			27			31			35			39			43		
		TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
21	14	13.9	12.2	3.2	13.6	12.0	3.4	13.3	11.8	3.6	13.0	11.4	3.8	12.7	11.1	4.1	12.3	10.8	4.4
	15	14.3	11.4	3.2	14.0	11.4	3.4	13.7	11.3	3.6	13.4	11.2	3.8	13.1	11.0	4.1	12.7	10.9	4.4
	16	14.8	10.5	3.2	14.5	10.4	3.4	14.2	10.3	3.6	13.9	10.2	3.8	13.5	10.1	4.1	13.1	9.9	4.4
	17	15.3	9.5	3.2	15.0	9.4	3.4	14.6	9.2	3.6	14.3	9.1	3.8	13.9	8.9	4.1	13.6	8.8	4.4
23	15	14.3	12.7	3.2	14.0	12.4	3.4	13.7	12.1	3.6	13.3	11.8	3.8	13.0	11.5	4.1	12.7	11.1	4.4
	16	14.7	12.4	3.2	14.4	12.3	3.4	14.1	12.3	3.6	13.7	12.2	3.8	13.4	11.8	4.1	13.0	11.5	4.4
	17	15.1	11.6	3.2	14.8	11.5	3.4	14.5	11.4	3.6	14.2	11.3	3.8	13.8	11.2	4.1	13.4	11.0	4.4
	18	15.6	10.7	3.2	15.3	10.6	3.4	15.0	10.5	3.6	14.6	10.3	3.8	14.3	10.2	4.1	13.9	10.0	4.4
27	18	15.5	14.0	3.2	15.2	13.7	3.4	14.9	13.4	3.6	14.6	13.0	3.8	14.2	12.7	4.1	13.8	12.3	4.4
	19	16.0	13.6	3.2	15.7	13.6	3.4	15.3	13.5	3.6	15.0	13.4	3.8	14.6	13.1	4.1	14.2	12.7	4.4
	20	16.4	12.8	3.2	16.1	12.8	3.4	15.7	12.7	3.6	15.4	12.6	3.9	15.0	12.5	4.1	14.6	12.3	4.4
	22	17.3	10.9	3.1	17.0	10.8	3.4	16.6	10.7	3.6	16.2	10.6	3.9	15.8	10.4	4.1	15.4	10.3	4.4
31	21	17.0	15.5	3.1	16.7	15.1	3.4	16.3	14.8	3.6	15.9	14.4	3.9	15.5	14.0	4.1	15.1	13.6	4.4
	22	17.4	14.8	3.1	17.0	14.8	3.4	16.7	14.8	3.6	16.3	14.7	3.9	15.9	14.4	4.1	15.5	13.9	4.5
	23	17.8	14.1	3.1	17.4	14.0	3.4	17.0	14.0	3.6	16.7	13.9	3.9	16.2	13.7	4.1	15.8	13.6	4.5
	25	18.6	12.3	3.1	18.3	12.2	3.3	17.9	12.1	3.6	17.5	12.0	3.9	17.1	11.8	4.2	16.6	11.6	4.5

## Heating Capacity (kW)

G = Gross Capacity (kW), based on nominal air flow. Nominal Air Flow: 800 l/s  
 N = Net Heating Capacity (kW) allowing for average defrost.  
 PI = Power Input (kW)  
 ○ = Nominal Capacity (kW)

### ISD 171 at Maximum Capacity (800 l/s)

Air on				Outdoor coil entering air temperature °C DB																										
D.B. °C	- 5			- 3			- 1			1			3			5			7			9								
	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			
15	13.9	13.1	5.7	14.7	12.9	5.8	15.4	13.1	6.0	16.2	13.9	6.0	17.0	15.6	6.0	17.8	17.8	6.1	18.6	18.6	6.2	19.4	19.4	6.3						
20	13.7	12.9	6.1	14.5	12.8	6.2	15.2	12.9	6.4	16.0	13.7	6.4	16.8	15.4	6.4	17.6	17.6	6.5	18.4	18.4	6.7	19.2	19.2	6.8						
25	13.2	12.6	6.5	14.0	12.4	6.7	14.8	12.6	6.9	15.6	13.4	6.9	16.4	15.1	6.9	17.2	17.2	7.0	18.0	18.0	7.1	18.8	18.8	7.3						

### ISD 171 at Nominal Capacity (800 l/s)

Air on				Outdoor coil entering air temperature °C DB																										
D.B. °C	- 5			- 3			- 1			1			3			5			7			9								
	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			
15	11.2	10.6	3.9	11.9	10.5	3.9	12.5	10.6	4.0	13.1	11.3	4.1	13.8	12.6	4.0	14.4	14.4	4.1	15.1	15.1	4.2	15.7	15.7	4.2						
20	11.1	10.5	4.2	11.7	10.3	4.3	12.3	10.5	4.4	13.0	11.1	4.4	13.6	12.5	4.4	14.3	14.3	4.4	14.9	14.9	4.5	15.5	15.5	4.6						
25	10.7	10.2	4.5	11.3	10.1	4.6	12.0	10.2	4.7	12.6	10.8	4.7	13.3	12.2	4.7	13.9	13.9	4.8	14.6	14.6	4.9	15.2	15.2	5.0						

### ISD 171 at Nominal less 10% (800 l/s)

Air on				Outdoor coil entering air temperature °C DB																										
D.B. °C	- 5			- 3			- 1			1			3			5			7			9								
	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			
15	10.1	9.5	3.3	10.7	9.4	3.3	11.3	9.6	3.4	11.8	10.1	3.4	12.4	11.3	3.4	13.0	13.0	3.4	13.6	13.6	3.5	14.1	14.1	3.5						
20	10.0	9.4	3.5	10.5	9.3	3.6	11.1	9.4	3.7	11.7	10.0	3.7	12.3	11.2	3.7	12.8	12.8	3.7	13.4	13.4	3.8	14.0	14.0	3.9						
25	9.6	9.2	3.8	10.2	9.0	3.9	10.8	9.2	4.0	11.4	9.8	4.0	11.9	11.0	4.0	12.5	12.5	4.1	13.1	13.1	4.1	13.7	13.7	4.2						

### ISD 171 at Nominal less 20% (800 l/s)

Air on				Outdoor coil entering air temperature °C DB																										
D.B. °C	- 5			- 3			- 1			1			3			5			7			9								
	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			
15	9.0	8.5	2.8	9.5	8.4	2.8	10.0	8.5	2.9	10.5	9.0	2.9	11.0	11.0	2.9	11.5	11.5	2.9	12.1	12.1	3.0	12.6	12.6	3.0						
20	8.9	8.4	3.0	9.4	8.3	3.1	9.9	8.4	3.2	10.4	8.9	3.2	10.9	10.9	3.2	11.4	11.4	3.2	11.9	11.9	3.2	12.4	12.4	3.3						
25	8.6	8.1	3.3	9.1	8.0	3.3	9.6	8.2	3.4	10.1	8.7	3.4	10.6	10.6	3.4	11.1	11.1	3.5	11.6	11.6	3.5	12.2	12.2	3.6						

### ISD 171 at Nominal less 30% (800 l/s)

Air on				Outdoor coil entering air temperature °C DB																										
D.B. °C	- 5			- 3			- 1			1			3			5			7			9								
	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			
15	7.9	7.4	2.3	8.3	7.3	2.3	8.8	8.8	2.4	9.2	9.2	2.4	9.7	9.7	2.4	10.1	10.1	2.4	10.6	10.6	2.4	11.0	11.0	2.4						
20	7.7	7.3	2.5	8.2	7.2	2.5	8.6	8.6	2.6	9.1	9.1	2.6	9.5	9.5	2.6	10.0	10.0	2.6	10.4	10.4	2.6	10.9	10.9	2.7						
25	7.5	7.1	2.7	7.9	7.0	2.7	8.4	7.9	2.8	8.8	8.8	2.8	9.3	9.3	2.8	9.7	9.7	2.8	10.2	10.2	2.9	10.6	10.6	2.9						

# 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 Air Flow: **800 l/s**

### ISD 171 at Nominal less 40% (800 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	6.7	6.3	1.9	7.1	7.1	1.9	7.5	7.5	1.9	7.9	7.9	1.9	8.3	8.3	1.9	8.7	8.7	1.9	9.0	9.0	2.0	9.4	9.4	2.0
20	6.6	6.3	2.0	7.0	7.0	2.1	7.4	7.4	2.1	7.8	7.8	2.1	8.2	8.2	2.1	8.6	8.6	2.1	8.9	8.9	2.1	9.3	9.3	2.2
25	6.4	6.1	2.2	6.8	6.8	2.2	7.2	6.8	2.3	7.6	7.6	2.3	8.0	8.0	2.3	8.3	8.3	2.3	8.7	8.7	2.3	9.1	9.1	2.3

### ISD 171 at Minimum Capacity (800 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	5.3	5.0	1.5	5.6	4.9	1.6	5.9	5.9	1.6	6.2	6.2	1.6	6.5	6.5	1.6	6.8	6.8	1.6	7.1	7.1	1.6	7.4	7.4	1.6
20	5.2	4.9	1.7	5.5	4.9	1.7	5.8	5.8	1.7	6.1	6.1	1.7	6.4	6.4	1.7	6.8	6.8	1.7	7.1	7.1	1.7	7.4	7.4	1.7
25	5.1	4.8	1.8	5.4	4.8	1.8	5.7	5.4	1.9	6.0	6.0	1.9	6.3	6.3	1.9	6.6	6.6	1.9	6.9	6.9	1.9	7.2	7.2	1.9

## Indoor Air Flow Correction Factors at nominal conditions

Indoor Air Flow (%)

	-20	-10	Rated	+10
Total Capacity	0.95	0.975	1.0	1.025
Sensible Capacity	0.90	0.950	1.0	1.050

## Heating Capacity (kW)

G = Gross Capacity (kW), based on nominal air flow.

Nominal Air Flow: **1050 l/s**

N = Net Heating Capacity (kW) allowing for average defrost.

PI = Power Input (kW)

○ = Nominal Capacity (kW)

### ISD 211 at Maximum Capacity (1050 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	19.3	18.2	7.2	20.4	18.0	7.3	21.5	18.3	7.5	22.6	19.4	7.6	23.7	21.7	7.5	24.8	24.8	7.7	25.9	25.9	7.8	27.0	27.0	7.9
20	19.0	18.0	7.7	20.1	17.8	7.9	21.2	18.0	8.1	22.3	19.1	8.1	23.4	21.4	8.1	24.5	24.5	8.2	25.6	25.6	8.4	26.7	26.7	8.5
25	18.4	17.5	8.3	19.5	17.3	8.4	20.6	17.5	8.7	21.7	18.7	8.7	22.8	21.0	8.7	23.9	23.9	8.8	25.0	25.0	9.0	26.1	26.1	9.1

### ISD 211 at Nominal Capacity (1050 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	15.6	14.7	5.1	16.5	14.6	5.1	17.4	14.8	5.2	18.3	15.7	5.3	19.2	17.6	5.2	20.1	20.1	5.3	21.0	21.0	5.4	21.9	21.9	5.5
20	15.4	14.6	5.4	16.3	14.4	5.5	17.2	14.6	5.6	18.1	15.5	5.7	19.0	17.4	5.6	19.9	19.9	5.7	20.8	20.8	5.8	21.7	21.7	5.9
25	14.9	14.2	5.8	15.8	14.0	5.9	16.7	14.2	6.1	17.6	15.1	6.1	18.5	17.0	6.1	19.4	19.4	6.1	20.3	20.3	6.2	21.2	21.2	6.3

### ISD 211 at Nominal less 10% (1050 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	14.1	13.3	4.4	14.9	13.1	4.5	15.7	13.3	4.6	16.5	14.1	4.6	17.3	17.3	4.6	18.1	18.1	4.6	18.9	18.9	4.7	19.7	19.7	4.7
20	13.9	13.1	4.7	14.7	13.0	4.8	15.5	13.1	4.9	16.3	13.9	4.9	17.1	17.1	4.9	17.9	17.9	5.0	18.7	18.7	5.0	19.5	19.5	5.1
25	13.4	12.8	5.1	14.2	12.6	5.2	15.0	12.8	5.3	15.8	13.6	5.3	16.6	16.6	5.3	17.4	17.4	5.3	18.2	18.2	5.4	19.1	19.1	5.5

### ISD 211 at Nominal less 20% (1050 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	12.5	11.8	3.8	13.2	11.7	3.9	13.9	11.8	3.9	14.7	12.5	3.9	15.4	15.4	3.9	16.1	16.1	4.0	16.8	16.8	4.0	17.5	17.5	4.0
20	12.3	11.7	4.1	13.0	11.5	4.1	13.8	11.7	4.2	14.5	12.4	4.2	15.2	15.2	4.2	15.9	15.9	4.3	16.6	16.6	4.3	17.3	17.3	4.3
25	11.9	11.3	4.4	12.7	11.2	4.5	13.4	11.4	4.5	14.1	12.1	4.5	14.8	14.8	4.5	15.5	15.5	4.6	16.2	16.2	4.6	16.9	16.9	4.7

### ISD 211 at Nominal less 30% (1050 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	11.2	10.6	3.3	11.9	10.5	3.3	12.5	10.6	3.4	13.2	13.2	3.4	13.8	13.8	3.4	14.5	14.5	3.4	15.1	15.1	3.4	15.7	15.7	3.4
20	11.1	10.5	3.5	11.7	10.3	3.5	12.4	10.5	3.6	13.0	13.0	3.6	13.6	13.6	3.6	14.3	14.3	3.6	14.9	14.9	3.7	15.6	15.6	3.7
25	10.7	10.2	3.7	11.4	10.1	3.8	12.0	10.2	3.9	12.6	12.6	3.9	13.3	13.3	3.9	13.9	13.9	3.9	14.6	14.6	3.9	15.2	15.2	4.0

# 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 Air Flow: **1050 l/s**

### ISD 211 at Nominal less 40% (1050 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	9.4	8.8	2.7	9.9	8.7	2.7	10.5	10.5	2.8	11.0	11.0	2.8	11.5	11.5	2.8	12.1	12.1	2.8	12.6	12.6	2.8	13.1	13.1	2.8
20	9.2	8.7	2.9	9.8	8.6	2.9	10.3	10.3	2.9	10.9	10.9	2.9	11.4	11.4	2.9	11.9	11.9	2.9	12.5	12.5	3.0	13.0	13.0	3.0
25	9.0	8.5	3.0	9.5	8.4	3.1	10.0	9.5	3.1	10.6	10.6	3.1	11.1	11.1	3.1	11.6	11.6	3.1	12.2	12.2	3.2	12.7	12.7	3.2

### ISD 211 at Nominal less 50% (1050 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	7.8	7.4	2.4	8.3	7.3	2.4	8.7	8.7	2.3	9.2	9.2	2.3	9.6	9.6	2.3	10.1	10.1	2.3	10.5	10.5	2.3	10.9	10.9	2.3
20	7.7	7.3	2.4	8.2	7.2	2.4	8.6	8.6	2.5	9.0	9.0	2.5	9.5	9.5	2.5	9.9	9.9	2.5	10.4	10.4	2.5	10.8	10.8	2.5
25	7.5	7.1	2.6	7.9	7.0	2.6	8.4	7.9	2.6	8.8	8.8	2.6	9.2	9.2	2.6	9.7	9.7	2.6	10.1	10.1	2.6	10.6	10.6	2.6

### ISD 211 at Minimum Capacity (1050 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	6.3	6.0	2.1	6.7	5.9	2.1	7.0	6.0	2.1	7.4	7.4	2.1	7.8	7.8	2.1	8.1	8.1	2.1	8.5	8.5	2.1	8.8	8.8	2.1
20	6.2	5.9	2.2	6.6	5.8	2.2	6.9	5.9	2.2	7.3	7.3	2.2	7.7	7.7	2.2	8.0	8.0	2.2	8.4	8.4	2.2	8.7	8.7	2.2
25	6.0	5.7	2.2	6.4	5.7	2.3	6.7	5.7	2.3	7.1	7.1	2.3	7.5	7.5	2.3	7.8	7.8	2.3	8.2	8.2	2.3	8.5	8.5	2.3

## Indoor Air Flow Correction Factors at nominal conditions

Indoor Air Flow (%)

	-20	-10	Rated	+10
Total Capacity	0.95	0.975	1.0	1.025
Sensible Capacity	0.90	0.950	1.0	1.050

## 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: **1300 l/s**

### ISD 251 at Maximum Capacity (1300 l/s)

Air on		Outdoor coil entering air temperature °C DB																									
D.B. °C	- 5			- 3			- 1			1			3			5			7			9					
	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
15	22.0	20.7	8.2	23.3	20.5	8.4	24.5	20.8	8.7	25.8	22.1	8.7	27.0	24.7	8.7	28.3	28.3	8.8	29.5	29.5	9.0	30.8	30.8	9.1			
20	21.7	20.5	8.9	22.9	20.3	9.0	24.2	20.5	9.3	25.5	21.8	9.3	26.7	24.4	9.3	28.0	28.0	9.5	29.2	29.2	9.6	30.5	30.5	9.8			
25	21.0	19.9	9.5	22.2	19.7	9.7	23.5	20.0	10.0	24.8	21.3	10.0	26.0	23.9	10.0	27.3	27.3	10.2	28.5	28.5	10.3	29.8	29.8	10.5			

### ISD 251 at Nominal Capacity (1300 l/s)

Air on		Outdoor coil entering air temperature °C DB																									
D.B. °C	- 5			- 3			- 1			1			3			5			7			9					
	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
15	17.5	16.5	5.8	18.5	16.3	5.9	19.5	16.6	6.1	20.5	17.6	6.1	21.5	19.7	6.1	22.5	22.5	6.2	23.5	23.5	6.3	24.5	24.5	6.4			
20	17.3	16.3	6.3	18.3	16.1	6.4	19.3	16.4	6.5	20.3	17.4	6.5	21.3	19.5	6.5	22.3	22.3	6.6	23.3	23.3	6.7	24.3	24.3	6.8			
25	16.7	15.9	6.7	17.7	15.7	6.8	18.7	15.9	7.0	19.7	16.9	7.0	20.7	19.0	7.0	21.7	21.7	7.1	22.7	22.7	7.2	23.7	23.7	7.3			

### ISD 251 at Nominal less 10% (1300 l/s)

Air on		Outdoor coil entering air temperature °C DB																									
D.B. °C	- 5			- 3			- 1			1			3			5			7			9					
	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
15	15.8	14.9	5.1	16.7	14.7	5.2	17.6	14.9	5.3	18.5	15.8	5.3	19.4	17.7	5.3	20.3	20.3	5.4	21.2	21.2	5.5	22.1	22.1	5.5			
20	15.6	14.7	5.4	16.5	14.5	5.5	17.4	14.7	5.7	18.3	15.6	5.7	19.2	17.5	5.7	20.1	20.1	5.7	21.0	21.0	5.8	21.9	21.9	5.9			
25	15.1	14.3	5.8	16.0	14.1	5.9	16.9	14.3	6.1	17.8	15.2	6.1	18.7	17.1	6.1	19.6	19.6	6.2	20.5	20.5	6.3	21.4	21.4	6.3			

### ISD 251 at Nominal less 20% (1300 l/s)

Air on		Outdoor coil entering air temperature °C DB																									
D.B. °C	- 5			- 3			- 1			1			3			5			7			9					
	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
15	14.0	13.2	4.5	14.8	13.1	4.5	15.6	13.3	4.6	16.4	14.1	4.6	17.2	17.2	4.6	18.0	18.0	4.7	18.8	18.8	4.7	19.6	19.6	4.8			
20	13.8	13.1	4.7	14.6	12.9	4.8	15.4	13.1	4.9	16.2	13.9	4.9	17.0	17.0	4.9	17.8	17.8	5.0	18.6	18.6	5.0	19.4	19.4	5.1			
25	13.4	12.7	5.1	14.2	12.6	5.1	15.0	12.8	5.3	15.8	13.6	5.3	16.6	16.6	5.3	17.4	17.4	5.3	18.2	18.2	5.4	19.0	19.0	5.5			

### ISD 251 at Nominal less 30% (1300 l/s)

Air on		Outdoor coil entering air temperature °C DB																									
D.B. °C	- 5			- 3			- 1			1			3			5			7			9					
	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
15	12.5	11.8	3.9	13.3	11.7	3.9	14.0	11.9	4.0	14.7	14.7	4.0	15.4	15.4	4.0	16.1	16.1	4.0	16.8	16.8	4.1	17.5	17.5	4.1			
20	12.4	11.7	4.1	13.1	11.5	4.2	13.8	11.7	4.3	14.5	14.5	4.3	15.2	15.2	4.3	15.9	15.9	4.3	16.6	16.6	4.4	17.4	17.4	4.4			
25	12.0	11.4	4.4	12.7	11.2	4.5	13.4	11.4	4.5	14.1	14.1	4.6	14.8	14.8	4.5	15.5	15.5	4.6	16.3	16.3	4.7	17.0	17.0	4.7			



# Performance Data at part load

## Heating Capacity (kW)

G = Gross Capacity (kW), based on nominal air flow.

Nominal Air Flow: **1300 l/s**

N = Net Heating Capacity (kW) allowing for average defrost.

PI = Power Input (kW)

### ISD 251 at Nominal less 40% (1300 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	10.5	9.9	3.2	11.1	9.8	3.2	11.7	9.9	3.3	12.3	12.3	3.3	12.9	12.9	3.3	13.5	13.5	3.3	14.1	14.1	3.3	14.7	14.7	3.3
20	10.4	9.8	3.3	11.0	9.7	3.4	11.6	9.8	3.4	12.2	12.2	3.4	12.8	12.8	3.4	13.4	13.4	3.5	14.0	14.0	3.5	14.6	14.6	3.5
25	10.0	9.5	3.5	10.6	9.4	3.6	11.2	9.6	3.6	11.8	11.8	3.7	12.4	12.4	3.6	13.0	13.0	3.7	13.6	13.6	3.7	14.2	14.2	3.8

### ISD 251 at Nominal less 50% (1300 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	8.8	8.3	2.8	9.3	8.2	2.8	9.8	8.3	2.9	10.3	10.3	2.9	10.8	10.8	2.9	11.3	11.3	2.9	11.8	11.8	2.9	12.3	12.3	2.9
20	8.6	8.2	3.0	9.1	8.1	3.0	9.6	8.2	3.0	10.1	10.1	3.0	10.6	10.6	3.0	11.1	11.1	3.1	11.6	11.6	3.1	12.1	12.1	3.1
25	8.4	7.9	3.1	8.9	7.9	3.2	9.4	8.0	3.2	9.9	9.9	3.2	10.4	10.4	3.2	10.9	10.9	3.2	11.4	11.4	3.3	11.9	11.9	3.3

### ISD 251 at Minimum Capacity (1300 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	7.8	7.4	2.7	8.3	7.3	2.7	8.7	7.4	2.7	9.2	7.9	2.8	9.6	9.6	2.7	10.1	10.1	2.8	10.5	10.5	2.8	11.0	11.0	2.8
20	7.7	7.3	2.8	8.2	7.2	2.9	8.6	7.3	2.9	9.1	7.8	2.9	9.5	9.5	2.9	10.0	10.0	2.9	10.4	10.4	2.9	10.9	10.9	3.0
25	7.5	7.1	3.0	7.9	7.0	3.0	8.4	7.1	3.1	8.8	7.6	3.1	9.3	9.3	3.1	9.7	9.7	3.1	10.2	10.2	3.1	10.6	10.6	3.1

## Indoor Air Flow Correction Factors at nominal conditions

Indoor Air Flow (%)

	-20	-10	Rated	+10
Total Capacity	0.95	0.975	1.0	1.025
Sensible Capacity	0.90	0.950	1.0	1.050

## Heating Capacity (kW)

G = Gross Capacity (kW), based on nominal air flow.

Nominal Air Flow: **1900 l/s**

N = Net Heating Capacity (kW) allowing for average defrost.

PI = Power Input (kW)

○ = Nominal Capacity (kW)

### ISD 351 at Maximum Capacity (1900 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	30.7	28.9	11.3	32.4	28.6	11.5	34.2	29.0	11.8	35.9	30.8	11.8	37.7	34.4	11.8	39.4	39.4	11.9	41.2	41.2	12.1	43.0	43.0	12.3
20	30.2	28.6	12.4	32.0	28.2	12.6	33.7	28.7	12.9	35.5	30.4	12.9	37.2	34.1	12.9	39.0	39.0	13.1	40.7	40.7	13.3	42.5	42.5	13.5
25	29.3	27.8	13.5	31.0	27.5	13.8	32.8	27.9	14.1	34.5	29.6	14.1	36.3	33.3	14.1	38.0	38.0	14.3	39.8	39.8	14.5	41.5	41.5	14.7

### ISD 351 at Nominal Capacity (1900 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	26.3	24.8	8.4	27.8	24.5	8.5	29.4	24.9	8.7	30.9	26.4	8.7	32.4	29.6	8.7	33.9	33.9	8.8	35.4	35.4	8.9	36.9	36.9	9.0
20	26.0	24.5	9.1	27.5	24.2	9.3	29.0	24.6	9.5	30.5	26.1	9.5	32.0	29.3	9.5	33.5	33.5	9.6	35.0	35.0	9.7	36.5	36.5	9.8
25	25.1	23.9	9.9	26.6	23.6	10.1	28.1	23.9	10.3	29.6	25.4	10.3	31.1	28.6	10.3	32.6	32.6	10.4	34.1	34.1	10.6	35.6	35.6	10.7

### ISD 351 at Nominal less 10% (1900 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	23.7	22.3	7.1	25.1	22.1	7.2	26.4	22.4	7.4	27.8	23.8	7.4	29.1	29.1	7.4	30.5	30.5	7.5	31.8	31.8	7.6	33.2	33.2	7.7
20	23.4	22.1	7.7	24.7	21.8	7.8	26.1	22.1	8.0	27.4	23.5	8.0	28.8	28.8	8.0	30.1	30.1	8.1	31.5	31.5	8.2	32.8	32.8	8.3
25	22.6	21.5	8.4	24.0	21.2	8.5	25.3	21.5	8.7	26.7	22.9	8.7	28.0	28.0	8.7	29.4	29.4	8.8	30.7	30.7	8.9	32.1	32.1	9.0

### ISD 351 at Nominal less 20% (1900 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	21.1	19.9	6.1	22.3	19.6	6.2	23.5	19.9	6.3	24.7	24.7	6.3	25.9	25.9	6.3	27.1	27.1	6.4	28.3	28.3	6.5	29.5	29.5	6.5
20	20.8	19.6	6.6	22.0	19.4	6.7	23.2	19.7	6.8	24.4	24.4	6.9	25.6	25.6	6.8	26.8	26.8	6.9	28.0	28.0	7.0	29.2	29.2	7.1
25	20.1	19.1	7.2	21.3	18.9	7.3	22.5	19.2	7.4	23.7	23.7	7.4	24.9	24.9	7.4	26.1	26.1	7.5	27.3	27.3	7.6	28.5	28.5	7.7

### ISD 351 at Nominal less 30% (1900 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	18.4	17.4	5.3	19.5	17.2	5.3	20.5	20.5	5.4	21.6	21.6	5.4	22.7	22.7	5.4	23.7	23.7	5.5	24.8	24.8	5.5	25.8	25.8	5.6
20	18.2	17.2	5.7	19.2	17.0	5.7	20.3	20.3	5.8	21.3	21.3	5.8	22.4	22.4	5.8	23.4	23.4	5.9	24.5	24.5	5.9	25.5	25.5	6.0
25	17.6	16.7	6.1	18.6	16.5	6.2	19.7	18.6	6.3	20.7	20.7	6.3	21.8	21.8	6.3	22.8	22.8	6.4	23.9	23.9	6.4	25.0	25.0	6.5

# 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 Air Flow: **1900 l/s**

### ISD 351 at Nominal less 40% (1900 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	15.8	14.9	4.5	16.7	16.7	4.6	17.6	17.6	4.6	18.5	18.5	4.6	19.4	19.4	4.6	20.3	20.3	4.7	21.2	21.2	4.7	22.1	22.1	4.7
20	15.6	14.7	4.8	16.5	16.5	4.9	17.4	17.4	5.0	18.3	18.3	5.0	19.2	19.2	5.0	20.1	20.1	5.0	21.0	21.0	5.0	21.9	21.9	5.1
25	15.1	14.3	5.2	16.0	16.0	5.2	16.9	16.0	5.3	17.8	17.8	5.3	18.7	18.7	5.3	19.6	19.6	5.4	20.5	20.5	5.4	21.4	21.4	5.5

### ISD 351 at Nominal less 50% (1900 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	12.8	12.1	3.8	13.5	11.9	3.8	14.3	14.3	3.9	15.0	15.0	3.9	15.7	15.7	3.9	16.5	16.5	3.9	17.2	17.2	3.9	17.9	17.9	3.9
20	12.6	11.9	4.0	13.4	11.8	4.1	14.1	14.1	4.1	14.8	14.8	4.2	15.6	15.6	4.1	16.3	16.3	4.2	17.0	17.0	4.2	17.7	17.7	4.3
25	12.2	11.6	4.4	13.0	11.5	4.4	13.7	13.0	4.5	14.4	14.4	4.5	15.2	15.2	4.5	15.9	15.9	4.5	16.6	16.6	4.6	17.3	17.3	4.6

### ISD 351 at Minimum Capacity (1900 l/s)

Air on

Outdoor coil entering air temperature °C DB

D.B. °C	- 5			- 3			- 1			1			3			5			7			9		
	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI	G	N	PI
15	9.4	8.9	3.2	10.0	8.8	3.2	10.5	8.9	3.2	11.1	9.5	3.2	11.6	11.6	3.2	12.1	12.1	3.3	12.7	12.7	3.3	13.2	13.2	3.3
20	9.3	8.8	3.4	9.9	8.7	3.4	10.4	8.8	3.4	10.9	9.4	3.4	11.5	11.5	3.4	12.0	12.0	3.4	12.5	12.5	3.5	13.1	13.1	3.5
25	9.0	8.6	3.6	9.6	8.5	3.6	10.1	8.6	3.6	10.6	9.1	3.7	11.2	11.2	3.6	11.7	11.7	3.7	12.2	12.2	3.7	12.8	12.8	3.7

## Indoor Air Flow Correction Factors at nominal conditions

Indoor Air Flow (%)

	-20	-10	Rated	+10
Total Capacity	0.95	0.975	1.0	1.025
Sensible Capacity	0.90	0.950	1.0	1.050

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