

Advantage Range (GMW) Specifications



Model	GMW 50	GMW 70	GMW 80	GMW 140	GMW 160
Nominal Air Flow (l/s) * 'H Series'	175	240	375	625	815
Nominal Air Flow (l/s) * 'S Series'	150	170	295	520	N/A
Fan Type	Forward curved centrifugal double inlet double width				
Power Source **	1 Phase 230 Volt AC 50 Hz				
Full Load Amps (A) 'H Series'	0.45	0.9	0.7	1.4	2.0
Full Load Amps (A) 'S Series'	0.37	0.74	0.37	0.74	N/A
Fan Motor Type	Three speed, direct drive				
Heat Exchanger Type	Aluminium corrugated plate fins to expanded rifled copper tube				
Cooling/Heating Medium	Chilled Water or Hot Water				
Coil Connection - Cooling 2 Row	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 20 (¾" BSP)	Ø 20 (¾" BSP)	Ø 20 (¾" BSP)
Coil Connection - Cooling 3 Row	Ø 15 (½" BSP)	Ø 20 (¾" BSP)	Ø 20 (¾" BSP)	Ø 20 (¾" BSP)	Ø 25 (1" BSP)
Coil Connection - Heating 1 Row	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 15 (½" BSP)
Finish	Polyester Powder Coat + White PVC				
Test Pressure	2100 kPa				
Air Filter Type	Plastic Net - Washable				
Weight Incl. Water (kg)	28	40	51	79	79
Nett Dry Weight (kg)	27	38	48	74	74
Shipping Weight (kg)	30	41	51	78	78

* with standard screen filter fitted and a dry coil surface.

** voltage fluctuation limit 200-252V

Cooling and Heating Coil options:

3 Row Cooling Only

2 Row Cooling + 1 Row Heating

Fan Options

H-Series 4 Pole Motor

S-Series 6 Pole Motor

GMW50S-3

				Low Speed			Medium Speed			High Speed		
3 row chilled water coil				135 L/s			140 L/s			150 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.1	3.2	total	2.7	2.5	2.3	2.8	2.6	2.3	2.9	2.6	2.4
			sensible	1.9	1.8	1.7	1.9	1.8	1.7	2.0	1.9	1.8
	0.2	11.1	total	3.3	3.0	2.8	3.4	3.1	2.8	3.5	3.2	3.0
			sensible	2.1	2.0	1.9	2.2	2.1	1.9	2.3	2.2	2.0
	0.3	22.9	total	3.5	3.3	3.0	3.6	3.3	3.0	3.8	3.5	3.2
			sensible	2.2	2.1	2.0	2.3	2.2	2.0	2.4	2.3	2.1
27/19	0.1	3.2	total	3.3	3.1	2.9	3.4	3.2	2.9	3.5	3.2	3.0
			sensible	2.3	2.3	2.2	2.4	2.3	2.2	2.5	2.4	2.3
	0.2	11.1	total	4.1	3.8	3.5	4.2	3.9	3.6	4.3	4.0	3.7
			sensible	2.6	2.5	2.4	3.7	2.6	2.5	2.8	2.7	2.6
	0.3	22.9	total	4.4	4.1	3.8	4.5	4.2	3.9	4.6	4.3	4.0
			sensible	2.7	2.6	2.5	2.8	2.7	2.6	3.0	2.8	2.7

GMW50S-2/1

2 row chilled water coil				135 L/s			140 L/s			150 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.1	2.8	total	2.5	2.3	2.1	2.5	2.3	2.1	2.5	2.4	2.1
			sensible	1.7	1.6	1.6	1.7	1.7	1.6	1.8	1.7	1.7
	0.2	9.5	total	3.0	2.8	2.5	3.1	2.8	2.6	3.2	2.9	2.7
			sensible	1.9	1.8	1.7	2.0	1.9	1.8	2.1	2.0	1.9
	0.3	19.5	total	3.2	3.0	2.7	3.3	3.0	2.8	3.4	3.2	2.9
			sensible	2.0	1.9	1.8	2.1	2.0	1.9	2.2	2.1	1.9
27/19	0.1	2.8	total	3.0	2.8	2.6	3.0	2.8	2.6	3.1	2.9	2.7
			sensible	2.1	2.0	2.0	2.2	2.1	2.0	2.3	2.2	2.1
	0.2	9.5	total	3.7	3.4	3.2	3.8	3.5	3.2	3.9	3.6	3.4
			sensible	2.4	2.3	2.2	2.4	2.4	2.2	2.6	2.5	2.4
	0.3	19.5	total	4.0	3.7	3.4	4.1	3.8	3.5	4.2	3.9	3.6
			sensible	2.5	2.4	2.3	2.6	2.5	2.4	2.7	2.6	2.5

1 row hot water coil

Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
15	0.03	2.7	heat	1.3	1.8	2.4	1.3	1.9	2.4	1.3	1.9	2.5
	0.06	9.3	heat	1.5	2.1	2.7	1.5	2.1	2.8	1.5	2.2	2.9
	0.09	19.5	heat	1.6	2.3	2.9	1.6	2.3	3.0	1.6	2.3	3.1
21	0.03	2.7	heat	1.1	1.6	2.2	1.1	1.6	2.2	1.1	1.7	2.2
	0.06	9.3	heat	1.2	1.9	2.5	1.2	1.9	2.5	1.3	1.9	2.6
	0.09	19.5	heat	1.3	2.0	2.7	1.3	2.0	2.7	1.4	2.1	2.8

GMW50H-3

				Low Speed			Medium Speed			High Speed		
3 row chilled water coil				155 L/s			165 L/s			175 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.1	3.2	total	2.9	2.7	2.4	3.0	2.7	2.5	3.0	2.8	2.5
			sensible	2.0	1.9	1.8	2.1	2.0	1.9	2.2	2.1	2.0
	0.2	11.1	total	3.6	3.3	3.0	3.7	3.4	3.1	3.8	3.5	3.2
			sensible	2.3	2.2	2.1	2.4	2.3	2.2	2.5	2.4	2.3
	0.3	22.9	total	3.9	3.6	3.2	4.0	3.7	3.4	4.2	3.8	3.5
			sensible	2.4	2.3	2.2	2.6	2.4	2.3	2.7	2.5	2.4
27/19	0.1	3.2	total	3.5	3.3	3.0	3.6	3.3	3.1	3.7	3.4	3.1
			sensible	2.5	2.4	2.3	2.6	2.5	2.4	2.7	2.6	2.5
	0.2	11.1	total	4.4	4.1	3.8	4.5	4.2	3.9	4.7	4.4	4.0
			sensible	2.9	2.8	2.6	3.0	2.9	2.8	3.1	3.0	2.9
	0.3	22.9	total	4.7	4.4	4.1	4.9	4.6	4.3	5.1	4.8	4.4
			sensible	3.0	2.9	2.8	3.2	3.0	2.9	3.3	3.2	3.0

GMW50H-2/1

2 row chilled water coil				155 L/s			165 L/s			175 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.1	2.8	total	2.6	2.4	2.2	2.6	2.4	2.2	2.7	2.5	2.2
			sensible	1.9	1.8	1.7	1.9	1.8	1.7	2.0	1.9	1.8
	0.2	9.5	total	3.2	3.0	2.7	2.3	3.1	2.8	3.4	3.2	2.9
			sensible	2.1	2.0	1.9	2.2	2.1	2.0	2.3	2.2	2.1
	0.3	19.5	total	3.5	3.2	2.9	3.7	3.4	3.0	3.8	3.5	3.1
			sensible	2.2	2.1	2.0	2.3	2.2	2.1	2.4	2.3	2.2
27/19	0.1	2.8	total	3.1	2.9	2.7	3.2	3.0	2.8	3.3	3.1	2.8
			sensible	2.3	2.2	2.1	2.4	2.3	2.2	2.5	2.4	2.3
	0.2	9.5	total	4.0	3.7	3.4	4.1	3.8	3.5	4.2	3.9	3.6
			sensible	2.6	2.5	2.4	2.7	2.6	2.5	2.8	2.7	2.6
	0.3	19.5	total	4.3	4.0	3.7	4.5	4.2	3.9	4.6	4.3	4.0
			sensible	2.8	2.6	2.5	2.9	2.8	2.6	3.0	2.9	2.7

1 row hot water coil

Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
15	0.03	2.7	heat	1.4	2.0	2.5	1.4	2.0	2.6	1.4	2.0	2.7
	0.06	9.3	heat	1.6	2.2	2.9	1.6	2.3	3.0	1.6	2.4	3.1
	0.09	19.5	heat	1.7	2.4	3.1	1.7	2.5	3.2	1.8	2.5	3.3
21	0.03	2.7	heat	1.1	1.7	2.3	1.2	1.8	2.4	1.2	1.8	2.4
	0.06	9.3	heat	1.3	2.0	2.6	1.3	2.0	2.7	1.4	2.1	2.8
	0.09	19.5	heat	1.4	2.1	2.8	1.4	2.2	2.9	1.5	2.2	3.0

GMW70S-3

3 row chilled water coil				Low Speed			Medium Speed			High Speed		
				160 L/s			167 L/s			170 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	4.6	total	3.9	3.5	3.2	3.9	3.6	3.3	4.0	3.6	3.3
			sensible	2.5	2.4	2.2	2.6	2.4	2.3	2.6	2.5	2.3
	0.3	9.5	total	4.2	3.8	3.5	4.3	3.9	3.6	4.3	4.0	3.6
			sensible	2.6	2.5	2.3	2.7	2.6	2.4	2.7	2.6	2.4
	0.4	15.9	total	4.3	4.0	3.6	4.5	4.1	3.8	4.5	4.2	3.8
			sensible	2.7	2.6	2.4	2.8	2.6	2.5	2.8	2.7	2.5
27/19	0.2	4.6	total	4.7	4.4	4.1	4.8	4.5	4.2	4.9	4.5	5.2
			sensible	3.1	2.9	2.8	3.2	3.0	2.9	3.2	3.1	2.9
	0.3	9.5	total	5.1	4.8	4.4	5.3	4.9	4.5	5.3	5.0	4.6
			sensible	3.3	3.1	3.0	3.4	3.2	3.1	3.4	3.3	3.0
	0.4	15.9	total	5.3	5.0	4.6	5.5	5.1	4.8	5.5	5.2	4.8
			sensible	3.3	3.2	3.0	3.4	3.3	3.1	3.5	3.3	3.2

GMW70S-2/1

2 row chilled water coil				160 L/s			167 L/s			170 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	11.2	total	3.6	3.4	3.1	3.7	3.4	3.1	3.8	3.5	3.2
			sensible	2.3	2.2	2.1	2.4	2.3	2.2	2.4	2.3	2.2
	0.3	23.4	total	4.0	3.6	3.3	4.0	3.7	3.4	4.1	3.8	3.4
			sensible	2.5	2.3	2.2	2.5	2.4	2.3	2.6	2.4	2.3
	0.4	38.9	total	4.1	3.8	3.4	4.2	3.9	3.5	4.3	3.9	3.6
			sensible	2.5	2.4	2.3	2.6	2.5	2.3	2.6	2.5	2.3
27/19	0.2	11.2	total	4.5	4.2	3.8	4.6	4.3	4.0	4.6	4.3	4.0
			sensible	2.9	2.8	2.6	3.0	2.9	2.7	3.0	2.9	2.8
	0.3	23.4	total	4.8	4.5	4.2	5.0	4.6	4.3	4.9	4.7	4.4
			sensible	3.0	2.9	2.8	3.1	3.0	2.9	3.2	3.0	2.9
	0.4	38.9	total	5.0	4.7	4.4	5.1	4.8	4.4	5.2	4.9	4.5
			sensible	3.1	3.0	2.8	3.2	3.1	2.7	3.3	3.1	3.0

1 row hot water coil

Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
15	0.03	3.3	heat	1.6	2.5	2.9	1.6	2.3	2.9	1.6	2.3	3.0
	0.06	11.3	heat	1.8	2.6	3.4	1.9	2.7	3.5	1.9	2.7	3.5
	0.09	23.3	heat	2.0	2.8	3.7	2.0	2.9	3.7	2.0	2.9	3.8
21	0.03	3.3	heat	1.3	2.0	2.6	1.3	2.0	2.7	1.3	2.0	2.7
	0.06	11.3	heat	1.5	2.3	3.1	1.5	2.3	3.2	1.6	2.4	3.2
	0.09	23.3	heat	1.6	2.5	3.3	1.7	2.5	3.4	1.7	2.6	3.4

GMW70H-3

				Low Speed			Medium Speed			High Speed		
3 row chilled water coil				220 L/s			230 L/s			240 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	4.6	total	4.5	4.1	3.7	4.6	4.2	3.8	4.7	4.3	3.9
			sensible	3.0	2.9	2.7	3.1	3.0	2.8	3.2	3.1	2.9
	0.3	9.5	total	5.0	4.6	4.2	5.1	4.7	4.3	5.3	4.8	4.4
			sensible	3.3	3.1	2.9	3.4	3.2	3.0	3.5	3.3	3.1
	0.4	15.9	total	5.3	4.9	4.5	5.5	5.0	4.5	5.6	5.1	4.7
			sensible	3.4	3.2	3.0	3.5	3.3	3.1	3.6	3.4	3.2
27/19	0.2	4.6	total	5.5	5.1	4.7	5.6	5.2	4.8	5.7	5.3	4.9
			sensible	3.8	3.6	3.5	3.9	3.7	3.6	4.0	3.8	3.7
	0.3	9.5	total	6.1	5.7	5.3	6.3	5.9	5.4	6.4	6.0	5.6
			sensible	4.0	3.9	3.7	4.1	4.0	3.8	4.3	4.1	3.9
	0.4	15.9	total	6.5	6.1	5.6	6.7	6.2	5.8	6.9	6.4	5.9
			sensible	4.2	4.0	3.8	4.3	4.1	3.9	4.4	4.3	4.1

GMW70H-2/1

2 row chilled water coil				220 L/s			230 L/s			240 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	11.2	total	4.3	3.9	3.6	4.4	4.0	3.6	4.5	4.1	3.7
			sensible	2.9	2.7	2.6	2.9	2.8	2.7	3.0	2.9	2.7
	0.3	23.4	total	4.7	4.4	4.0	4.9	4.5	4.1	5.0	4.6	4.1
			sensible	3.1	2.9	2.7	3.1	3.0	2.8	3.2	3.1	2.9
	0.4	38.9	total	5.0	4.6	4.2	5.1	4.7	4.3	5.2	4.8	4.4
			sensible	3.2	3.0	2.8	3.2	3.1	2.9	3.3	3.2	3.0
27/19	0.2	11.2	total	5.2	4.9	4.5	5.3	5.0	4.6	5.4	5.1	4.7
			sensible	3.5	3.4	3.3	3.6	3.5	3.4	3.7	3.6	3.5
	0.3	23.4	total	5.8	5.4	5.0	6.0	5.5	5.1	6.1	5.6	5.2
			sensible	3.8	3.6	3.5	3.9	3.7	3.6	4.0	3.8	3.7
	0.4	38.9	total	6.1	5.7	5.3	6.3	5.8	5.4	6.4	6.0	5.5
			sensible	3.9	3.7	3.6	4.0	3.8	3.7	4.1	3.9	3.8

1 row hot water coil

Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
15	0.03	3.3	heat	1.8	2.6	3.3	1.8	2.6	3.4	1.8	2.6	3.4
	0.06	11.3	heat	2.1	3.0	3.9	2.1	3.0	3.9	2.2	3.1	4.0
	0.09	23.3	heat	2.3	3.2	4.2	2.3	3.3	4.3	2.3	3.3	4.3
21	0.03	3.3	heat	1.5	2.2	3.0	1.5	2.3	3.0	1.5	2.3	3.1
	0.06	11.3	heat	1.7	2.6	3.5	1.8	2.7	3.6	1.8	2.7	3.6
	0.09	23.3	heat	1.9	2.8	3.8	1.9	2.9	3.9	1.9	2.9	3.9

GMW80S-3

				Low Speed			Medium Speed			High Speed		
3 row chilled water coil				185 L/s			235 L/s			295 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	1.1	total	4.0	3.7	3.4	4.5	4.2	3.8	5.0	4.6	4.2
			sensible	2.8	2.7	2.5	3.3	3.2	3.0	3.8	3.7	3.5
	0.4	3.7	total	4.5	4.2	3.8	5.3	4.8	4.4	6.0	5.5	5.0
			sensible	3.1	2.9	2.7	3.7	3.5	3.3	4.3	4.1	3.9
	0.6	7.7	total	4.8	4.4	4.0	5.6	5.2	4.7	6.5	6.0	5.4
			sensible	3.2	3.0	2.8	3.8	3.6	3.4	4.5	4.3	4.1
27/19	0.2	1.1	total	5.0	4.6	4.3	5.6	5.2	4.8	6.1	5.7	5.3
			sensible	3.5	3.4	3.2	4.1	4.0	3.8	4.8	4.6	4.5
	0.4	3.7	total	5.6	5.2	4.8	6.4	6.0	5.6	7.3	6.8	6.3
			sensible	3.8	3.6	3.5	4.5	4.3	4.1	5.3	5.1	4.9
	0.6	7.7	total	5.9	5.5	5.1	6.9	6.5	6.0	8.0	7.4	6.9
			sensible	3.9	3.7	3.6	4.7	4.5	4.3	5.6	5.3	5.1

GMW80S-2/1

2 row chilled water coil				185 L/s			235 L/s			295 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	2.6	total	3.8	3.5	3.2	4.2	3.9	3.5	4.7	4.3	3.9
			sensible	2.7	2.5	2.4	3.1	3.0	2.8	3.6	3.4	3.3
	0.4	8.9	total	4.3	4.0	3.6	5.0	4.6	4.2	5.7	5.2	4.8
			sensible	2.9	2.7	2.6	3.4	3.3	3.1	4.0	3.8	3.6
	0.6	18.5	total	4.6	4.2	3.8	5.4	4.9	4.5	6.2	5.7	5.1
			sensible	3.0	3.8	2.7	3.6	3.4	3.2	4.2	4.0	3.8
27/19	0.2	2.6	total	4.7	4.4	4.0	5.2	4.9	4.5	5.7	5.3	4.9
			sensible	3.3	3.2	3.1	3.8	3.7	3.6	4.5	4.3	4.1
	0.4	8.9	total	5.3	5.0	4.6	6.2	5.7	5.3	6.9	6.5	6.0
			sensible	3.6	3.4	3.3	4.3	4.1	3.9	4.9	4.7	4.6
	0.6	18.5	total	5.7	5.3	4.9	6.6	6.2	5.7	7.6	7.1	6.6
			sensible	3.7	3.6	3.4	4.4	4.3	4.1	5.2	5.0	4.8

1 row hot water coil

Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
15	0.1	5.5	heat	2.3	3.4	4.4	2.7	3.9	5.0	3.1	4.4	5.7
	0.15	11	heat	2.4	3.5	4.5	2.8	4.0	5.2	3.3	4.6	6.0
	0.2	18.6	heat	2.5	3.6	4.6	2.9	4.2	5.4	3.4	4.8	6.3
21	0.1	5.5	heat	1.9	2.9	3.9	2.2	3.4	4.5	2.5	3.8	5.1
	0.15	11	heat	2.0	3.0	4.1	2.3	3.5	4.7	2.7	4.1	5.4
	0.2	18.6	heat	2.1	3.1	4.2	2.4	3.6	4.9	2.8	4.2	5.7

GMW80H-3

				Low Speed			Medium Speed			High Speed		
3 row chilled water coil				265 L/s			295 L/s			375 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	1.1	total	4.8	4.4	4.0	5.0	4.6	4.2	5.4	5.0	4.5
			sensible	3.6	3.4	3.3	3.8	3.7	3.5	4.5	4.3	4.1
	0.4	3.7	total	5.6	5.2	4.7	6.0	5.5	5.0	6.7	6.2	5.6
			sensible	4.0	3.8	3.6	4.3	4.1	3.9	5.0	4.8	4.5
	0.6	7.7	total	6.0	5.5	5.0	6.5	6.0	5.4	7.4	6.8	6.2
			sensible	4.1	3.9	3.7	4.5	4.3	4.1	5.3	5.0	4.8
27/19	0.2	1.1	total	5.8	5.5	5.0	6.1	5.7	5.3	6.6	6.1	5.7
			sensible	4.5	4.3	4.2	4.8	4.6	4.5	5.6	5.4	5.2
	0.4	3.7	total	6.9	6.4	6.0	7.3	6.8	6.3	8.2	7.6	7.1
			sensible	4.9	4.7	4.5	5.3	5.1	4.9	6.2	6.0	5.7
	0.6	7.7	total	7.5	7.0	6.4	8.0	7.4	6.9	9.1	8.5	7.8
			sensible	5.2	5.0	4.7	5.6	5.3	5.1	6.6	6.3	6.0

GMW80H-2/1

2 row chilled water coil				265 L/s			295 L/s			375 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	2.6	total	4.5	4.1	3.7	4.7	4.3	3.9	5.1	4.7	4.2
			sensible	3.3	3.2	3.0	3.6	3.4	3.3	4.1	4.0	3.8
	0.4	8.9	total	5.3	4.9	4.5	5.7	5.2	4.8	6.4	5.9	5.3
			sensible	3.7	3.5	3.3	4.0	3.8	3.6	4.7	4.5	4.2
	0.6	18.5	total	5.8	5.3	4.8	6.2	5.7	5.1	7.1	6.5	5.9
			sensible	3.9	3.7	3.5	4.2	4.0	3.8	5.0	4.7	4.5
27/19	0.2	2.6	total	5.5	5.1	4.7	5.7	5.3	4.9	6.2	5.8	5.4
			sensible	4.2	4.0	3.9	4.5	4.3	4.1	5.2	5.0	4.8
	0.4	8.9	total	6.6	6.1	5.7	6.9	6.5	6.0	7.8	7.3	6.7
			sensible	4.6	4.4	4.3	4.9	4.7	4.6	5.8	5.6	5.4
	0.6	18.5	total	7.2	6.7	6.2	7.6	7.1	6.6	8.8	8.1	7.5
			sensible	4.9	4.7	4.4	5.2	5.0	4.8	6.2	5.9	5.7

1 row hot water coil

Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
15	0.1	5.5	heat	2.9	4.1	5.4	3.1	4.4	5.7	3.5	5.0	6.5
	0.15	11	heat	3.1	4.4	5.7	3.3	4.6	6.0	3.7	5.3	6.9
	0.2	18.6	heat	3.2	4.5	5.9	3.4	4.8	6.3	3.9	5.5	7.2
21	0.1	5.5	heat	2.4	3.6	4.8	2.5	3.8	5.1	2.9	4.3	5.8
	0.15	11	heat	2.5	3.8	5.1	2.7	4.1	5.4	3.1	4.7	6.2
	0.2	18.6	heat	2.6	3.9	5.3	2.8	4.2	5.7	3.2	4.9	6.5

GMW140S-3

				Low Speed			Medium Speed			High Speed		
3 row chilled water coil				380 L/s			440 L/s			520 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.4	5.0	total	8.0	7.4	6.7	8.6	7.9	7.2	9.3	8.6	7.8
			sensible	5.7	5.4	5.1	6.3	6.0	5.7	7.0	6.7	6.4
	0.75	15.6	total	9.1	8.4	7.6	10.0	9.2	8.3	11.1	10.2	9.2
			sensible	6.2	5.9	5.5	6.9	6.5	6.1	7.7	7.4	6.9
	1.1	31.0	total	9.6	8.8	8.0	10.7	9.8	8.9	11.9	11.0	10.0
			sensible	6.4	6.0	5.7	7.2	6.7	6.4	8.1	7.7	7.3
27/19	0.4	5.0	total	9.8	9.1	8.5	10.6	9.8	9.1	11.4	10.7	9.8
			sensible	7.0	6.7	6.5	7.8	7.5	7.2	8.7	8.4	8.0
	0.75	15.6	total	11.2	10.4	9.7	12.3	11.4	10.6	13.5	12.6	11.7
			sensible	7.6	7.3	6.9	8.5	8.1	7.8	9.5	9.1	8.8
	1.1	31.0	total	11.8	11.0	10.2	13.1	12.2	11.3	14.6	13.7	12.6
			sensible	7.9	7.6	7.2	8.8	8.5	8.1	10.0	9.6	9.2

GMW140S-2/1

2 row chilled water coil				380 L/s			440 L/s			520 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.3	7.3	total	7.0	6.4	5.9	7.5	6.9	6.2	8.0	7.3	6.7
			sensible	5.1	4.8	4.6	5.6	5.3	5.1	6.2	5.9	5.6
	0.5	18.3	total	8.0	7.4	6.7	8.7	8.0	7.2	9.5	8.7	7.9
			sensible	5.5	5.2	4.9	6.1	5.8	5.5	6.8	6.5	6.1
	0.7	33.5	total	8.6	7.9	7.2	9.4	8.6	7.8	10.4	9.5	8.7
			sensible	5.8	5.5	5.1	6.4	6.1	5.7	7.2	6.8	6.4
27/19	0.3	7.3	total	8.6	8.1	7.5	9.2	8.5	7.9	9.8	9.1	8.5
			sensible	6.3	6.1	5.8	6.9	6.7	6.4	7.7	7.4	7.2
	0.5	18.3	total	9.9	9.2	8.5	10.7	10.0	9.2	11.6	10.8	10.0
			sensible	6.8	6.5	6.2	7.5	7.2	6.9	8.4	8.1	7.8
	0.7	33.5	total	10.6	9.9	9.1	11.5	10.7	10.0	12.8	11.9	11.0
			sensible	7.1	6.8	6.5	7.9	7.5	7.2	8.9	8.5	8.1

1 row hot water coil

Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
15	0.05	2.3	heat	3.6	5.1	6.6	3.8	5.4	7.1	4.1	5.8	7.6
	0.1	7.6	heat	4.1	5.9	7.7	4.4	6.4	8.3	4.8	6.9	9.0
	0.15	15.3	heat	4.4	6.3	8.1	4.8	6.8	8.9	5.2	7.5	9.7
21	0.05	2.3	heat	2.9	4.4	5.9	3.1	4.7	6.4	3.3	5.1	6.9
	0.1	7.6	heat	3.4	5.1	6.9	3.7	5.6	7.5	4.0	6.1	8.1
	0.15	15.3	heat	3.6	5.5	7.3	3.9	6.0	8.0	4.3	6.5	8.8

GMW140H-3

				Low Speed			Medium Speed			High Speed		
3 row chilled water coil				450 L/s			520 L/s			625 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.4	5.0	total	8.7	8.0	7.3	9.3	8.5	7.7	10.1	9.3	8.5
			sensible	6.3	6.1	5.7	7.0	6.7	6.3	7.9	7.6	7.2
	0.75	15.6	total	10.1	9.3	8.4	11.0	10.1	9.2	12.2	11.2	10.2
			sensible	7.0	6.6	6.2	7.7	7.3	6.9	8.8	8.4	7.9
	1.1	31.0	total	10.8	9.9	9.0	11.9	10.9	9.9	13.4	12.3	11.2
			sensible	7.3	6.9	6.5	8.1	7.7	7.2	9.3	8.8	8.3
27/19	0.4	5.0	total	10.7	9.9	9.2	11.4	10.6	9.8	12.3	11.4	10.6
			sensible	7.9	7.6	7.3	8.7	8.4	8.0	9.8	9.4	9.1
	0.75	15.6	total	12.4	11.6	10.7	13.5	12.6	11.6	15.0	13.9	12.9
			sensible	8.6	8.2	7.9	9.5	9.1	8.7	10.9	10.4	10.0
	1.1	31.0	total	13.3	12.4	11.5	14.6	13.7	12.6	16.4	15.3	14.1
			sensible	9.0	8.6	8.2	10.0	9.6	9.2	11.5	11.0	10.5

GMW140H-2/1

2 row chilled water coil				450 L/s			520 L/s			625 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.3	7.3	total	7.5	6.9	6.3	8.0	7.3	6.7	8.6	7.8	7.1
			sensible	5.6	5.4	5.1	6.2	5.9	5.6	6.9	6.6	6.3
	0.5	18.3	total	8.8	8.0	7.3	9.5	8.7	7.9	10.3	9.5	8.6
			sensible	6.2	5.9	5.6	6.8	6.5	6.1	7.6	7.3	6.9
	0.7	33.5	total	9.5	8.7	7.9	10.4	9.5	8.7	11.4	10.5	9.5
			sensible	6.5	6.1	5.8	7.2	6.8	6.4	8.1	7.7	7.3
27/19	0.3	7.3	total	9.2	8.6	8.0	9.8	9.1	8.5	10.4	9.8	9.0
			sensible	7.0	6.7	6.5	7.7	7.4	7.2	8.6	8.3	8.0
	0.5	18.3	total	10.8	10.1	9.3	11.6	10.8	10.0	12.7	11.8	10.9
			sensible	7.6	7.3	7.0	8.4	8.1	7.8	9.5	9.1	8.8
	0.7	33.5	total	11.7	10.9	10.2	12.8	11.9	11.0	14.1	13.1	12.1
			sensible	8.0	7.7	7.3	8.9	8.5	8.1	10.0	9.6	9.3

1 row hot water coil				Entering water temp			Entering water temp			Entering water temp		
Air on DB	W. flow L/s	P.D. kPa	Heating kW	50	65	80	50	65	80	50	65	80
				15	0.05	2.3	heat	3.8	5.5	7.1	4.1	5.8
0.1	7.6	heat	4.5		6.4	8.4	4.8	6.9	9.0	5.3	7.6	9.9
0.15	15.3	heat	4.8		6.9	9.0	5.2	7.5	9.7	5.8	8.3	10.8
21	0.05	2.3	heat	3.2	4.8	6.4	3.3	5.1	6.8	3.6	5.4	7.3
	0.1	7.6	heat	3.7	5.6	7.6	4.0	6.1	8.1	4.4	6.7	8.9
	0.15	15.3	heat	4.0	6.1	8.1	4.3	6.5	8.8	4.8	7.2	9.7

GMW160H-3

				Low Speed			Medium Speed			High Speed		
3 row chilled water coil				665 L/s			725 L/s			815 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.4	5.0	total	10.3	9.5	8.6	10.7	9.8	8.9	11.2	10.3	9.4
			sensible	8.2	7.8	7.5	8.6	8.3	7.9	9.3	8.9	8.6
	0.75	15.6	total	12.6	11.6	10.5	13.2	12.1	11.0	14.0	12.8	11.7
			sensible	9.1	8.7	8.2	9.7	9.2	8.7	10.4	10.0	9.5
	1.1	31.0	total	13.9	12.7	11.5	14.6	13.4	12.2	15.7	14.4	13.1
			sensible	9.7	9.2	8.6	10.3	9.7	9.2	11.2	10.7	10.1
27/19	0.4	5.0	total	12.6	11.7	10.9	13.0	12.1	11.2	13.6	12.6	11.7
			sensible	10.2	9.8	9.5	10.7	10.4	10.1	11.6	11.2	10.9
	0.75	15.6	total	15.5	14.4	13.3	16.2	15.1	13.9	17.2	15.9	14.7
			sensible	11.3	10.9	10.5	12.0	11.5	11.1	13.0	12.5	12.0
	1.1	31.0	total	17.0	15.9	14.7	18.0	16.7	15.5	19.2	17.9	16.5
			sensible	12.0	11.5	11.0	12.7	12.2	11.7	13.8	13.3	12.7

GMW160H-2/1

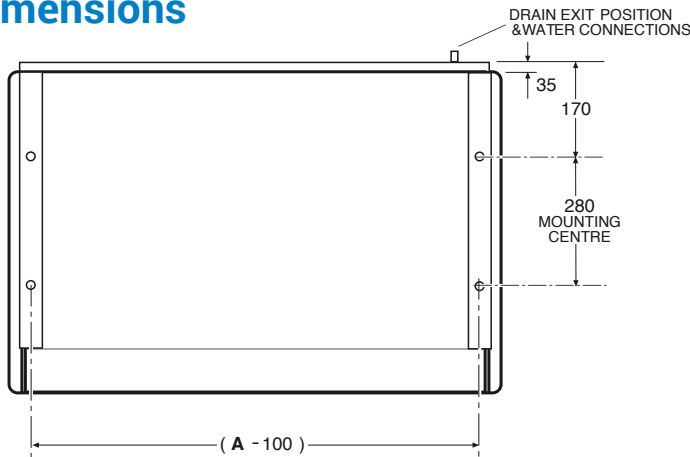
2 row chilled water coil				665 L/s			725 L/s			815 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.3	7.3	total	8.7	8.0	7.3	9.0	8.3	7.5	9.3	8.6	7.8
			sensible	7.2	6.9	6.6	7.5	7.3	7.0	8.1	7.8	7.5
	0.5	18.3	total	10.7	9.8	8.9	11.0	10.2	9.2	11.7	10.7	9.7
			sensible	7.9	7.6	7.2	8.4	8.0	7.6	9.0	8.6	8.2
	0.7	33.5	total	11.9	10.9	9.8	12.4	11.3	10.3	13.1	12.0	10.9
			sensible	8.4	8.0	7.6	8.9	8.5	8.1	9.6	9.1	8.7
27/19	0.3	7.3	total	10.7	9.9	9.2	11.0	10.2	9.5	11.4	10.6	9.8
			sensible	9.0	8.7	8.4	9.4	9.1	8.9	10.1	9.9	9.6
	0.5	18.3	total	13.0	12.1	11.2	13.5	12.6	11.7	14.2	13.2	12.2
			sensible	9.8	9.5	9.1	10.4	10.0	9.7	11.2	10.8	10.4
	0.7	33.5	total	14.5	13.5	12.5	15.2	14.1	13.0	16.1	15.0	13.8
			sensible	10.5	10.0	9.6	11.0	10.6	10.2	11.9	11.5	11.0

1 row hot water coil

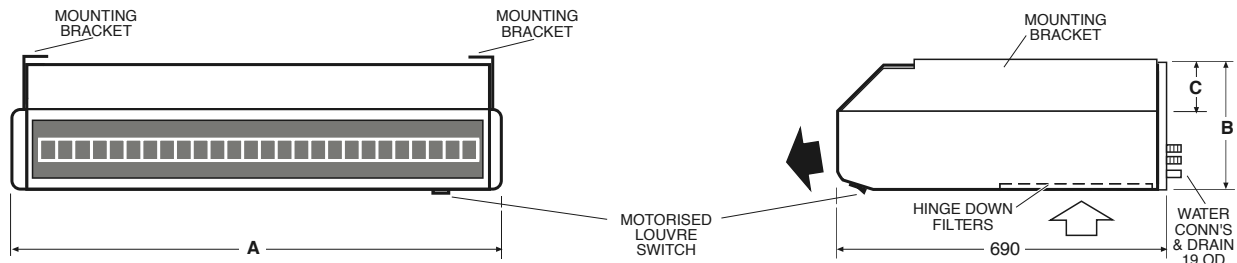
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
15	0.05	2.3	heat	4.4	6.3	8.2	4.5	6.5	8.5	4.7	6.8	8.7
	0.1	7.6	heat	5.5	7.8	10.2	5.7	8.2	10.6	6.0	8.6	11.2
	0.15	15.3	heat	6.0	8.5	11.1	6.3	9.0	11.7	6.7	9.5	12.4
21	0.05	2.3	heat	3.6	5.5	7.4	3.7	5.7	7.6	3.9	5.9	7.9
	0.1	7.6	heat	4.5	6.9	9.2	4.7	7.1	9.6	4.9	7.5	10.1
	0.15	15.3	heat	4.9	7.5	10.0	5.2	7.9	10.6	5.5	8.4	11.2

Performance Data

Dimensions



Model	A	B	C
GMW50	1000	190	35
GMW70	1260	190	35
GMW80	1260	255	100
GMW140	1860	255	100
GMW160	1860	255	100



Sound Levels

As measured in an anechoic chamber 1m below and 1m to the front of the unit. No allowance for sound reflection in a room. Add 13dB to convert to sound power levels (SWL)

Supply Air Outlet									
Model	Air Flow L/s	Fan Speed	Sound Pressure Levels (SPL) (dB)						
			dB(A)	Octave Band Centre Frequency (Hz)					
				125	250	500	1K	2K	4K
GMW50S	135	LOW	33	37	32	33	27	19	13
	140	MED	34	38	33	34	28	20	14
	150	HIGH	34	37	33	34	28	22	16
GMW50H	155	LOW	41	39	39	41	37	32	24
	165	MED	43	40	40	42	39	34	26
	175	HIGH	44	41	42	43	40	35	28
GMW70S	160	LOW	33	37	32	34	27	20	13
	167	MED	34	39	34	35	28	20	14
	170	HIGH	34	40	34	35	30	22	14
GMW70H	220	LOW	44	40	42	44	40	33	27
	230	MED	45	41	43	43	41	36	29
	240	HIGH	46	42	44	46	42	37	30
GMW80S	185	LOW	33	37	34	32	25	21	13
	235	MED	37	38	38	36	31	25	17
	295	HIGH	42	43	43	41	38	32	23
GMW80H	265	LOW	41	41	45	41	35	28	20
	295	MED	43	42	46	44	37	31	24
	375	HIGH	48	48	48	47	44	39	32
GMW140S	380	LOW	37	43	37	36	31	25	17
	440	MED	40	45	40	39	35	29	20
	520	HIGH	43	44	43	41	38	33	25
GMW140H	450	LOW	43	44	43	42	39	32	24
	520	MED	46	47	47	45	43	36	29
	625	HIGH	51	51	51	49	48	42	35
GMW160H	665	LOW	51	51	51	50	47	41	35
	725	MED	53	53	53	51	50	44	37
	815	HIGH	53	55	55	53	52	46	40