



## FAN COIL UNITS

*Ceiling Concealed & Ducted Blower*

*Wall mounted*

*Water cassette*



### TOTAL COMFORT ON WIDE AREAS

The ducted and wall mounted **Fan Coil units** as well as the **Water Cassette** of the CLINT range are the ideal solution for keeping the best comfort level in medium and large spaces as offices, shops, hotels or education facilities.

The range has been designed especially for **hydronic systems** and covers the cooling capacities **from 0,6 to 18 TON**.

The range includes **Ceiling Concealed** (Blow Through and Draw Through versions, even with high delta water temperature), **Ducted Blower**, **Wall Mounted Fan Coil units** and **Water Cassette** models, in order to satisfy any installation requirement.



*H<sub>2</sub>O*



## THE KEY BENEFITS

### **Silent operation.**

The range is characterized by low-noise operation. In particular on the Ceiling Concealed Blow Through models the design and the special insulation allow the unit to reach excellent sound pressure levels **up to 25 dB(A)**.

All units feature acoustic insulation (on Blow Through model covering plenum available on standard configuration).



*Silent Operation*

### **High hygiene standards.**

The units of this range ensure an ideal comfort level in the ambient, not only on temperature, but also on hygienic aspects. The units feature built-in high performing air filters and a covering plenum to allow a better fan protection from dust.



*Hygiene*



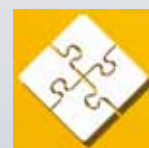
## THE KEY BENEFITS

### Easy and flexible installation.

To allow a more flexible installation, on FDW-M and FBW-M models the hydraulic connections can be configured on right or left side directly onsite.

On DBW-M models the hydraulic connections can be provided on right or left side on request. To simplify installation even more, airflow direction can be converted on DBW-M 643-2256 directly onsite.

All parts are accessible and easily removable (including the drain pan on FDW-M and FBW-M models) to simplify maintenance activities.



*Flexibility*



*Available Static  
Pressure*

### A solution for any installation need.














To satisfy all the requests in terms of installation, the range features different levels of available static pressure.

On smaller units, up to **0,12 in WG** on the standard models and up to **0,32 in WG** on the models with **High ESP fans**.

On bigger units, the available static pressure covers a range from **0,40 to 1,00 in WG**.

## A WIDE AND FLEXIBLE RANGE

The Ceiling Concealed, Ducted Blower and Wall Mounted Fan Coil units as well as the Water Cassette models have been designed especially for **hydronic systems** and cover the cooling capacities from **0,6 to 18 TON**.

Model		Type	Versions		
50Hz 60Hz	FBW-M 23+123	Ceiling Concealed Blow Through	Standard With high ESP fans		
50Hz 60Hz	FDW-M 23+123	Ceiling Concealed Draw Through	Standard With high ESP fans		
50Hz 60Hz	FBW-M/HDT 23+123	Ceiling Concealed Draw Through High Delta Water Temperature	Standard With high ESP fans		 
50Hz 60Hz	FDW-M/HDT 23+123	Ceiling Concealed Draw Through High Delta Water Temperature	Standard With high ESP fans		 
50Hz	HW-M 32+82	Wall Mounted	Standard		
50Hz	TCW-M 32+142	Water Cassette	Standard		
50Hz	DBW-M 133+464	Ducted Blower	Standard		
50Hz	DBW-M 643+2256	Ducted Blower	Standard		
60Hz	HW-M/SZ 32+82	Wall Mounted	Standard		
60Hz	TCW-M/SZ 32+142	Water Cassette	Standard		
60Hz	DBW-M/SZ 133+464	Ducted Blower	Standard		
60Hz	DBW-M/SZ 643+2256	Ducted Blower	Standard		



High Delta Water  
Temperature



H<sub>2</sub>O



## FBW-M 23÷123

Ceiling concealed Fan Coil units, **BLOW THROUGH**.

Built-in unit with horizontal rear inlet and air delivery.

# 50 Hz

### Versions

**FBW-M** Standard **FBW-M/AP** With high ESP fans

FBW-M 23÷123			23	33	43	63	83	103	123	
50Hz	Cooling	Total cooling capacity (1)	TON	0.58	0.83	1.12	1.63	2.06	2.41	3.05
			kW	2.04	2.92	3.95	5.75	7.26	8.48	10.74
		Sensible cooling capacity (1)	TON	0.42	0.60	0.80	1.17	1.50	1.76	2.22
			kW	1.46	2.11	2.83	4.12	5.29	6.20	7.81
	Heating	Heating capacity (2)	TON	1.15	1.67	2.22	3.24	4.21	4.92	6.15
			kW	4.05	5.87	7.81	11.39	14.81	17.30	21.62
	Air flow	Max.	cfm	210	300	410	600	800	970	1200
			m³/h	360	510	700	1020	1360	1650	2040
		Med.	cfm	170	230	290	480	650	800	1020
			m³/h	290	390	490	820	1100	1360	1730
		Min.	cfm	120	170	210	420	500	650	890
			m³/h	200	290	360	710	850	1100	1510
	Available static pressure	STD version	in WG	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12
			Pa	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30
		AP version	in WG	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32
			Pa	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80
	Sound pressure	Max. (3)	dB(A)	32	36	38	43	41	42	43
Med. (3)		dB(A)	31	31	34	38	38	37	38	
Min. (3)		dB(A)	25	28	32	31	33	33	33	
Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	

DIMENSIONS			23	33	43	63	83	103	123
L	mm		740	910	1040	1240	1490	1590	1850
W	mm		480	480	480	480	480	480	480
H	mm		260	260	260	260	260	260	260

### CLEARANCE AREA (mm)

200 | 400

Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Ambient air temperature 20 °C d.b., water temperature 70/60 °C.
3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## FBW-M 23÷123

Ceiling concealed Fan Coil units, **BLOW THROUGH**.  
Built-in unit with horizontal rear inlet and air delivery.

# 60 Hz

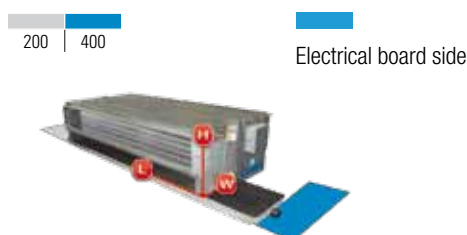
### Versions

**FBW-M** Standard **FBW-M/AP** With high ESP fans

FBW-M 23÷123			23	33	43	63	83	103	123	
60Hz	Cooling	Total cooling capacity (1)	TON	0.66	0.95	1.28	1.87	2.35	2.75	3.48
			kW	2.33	3.33	4.50	6.56	8.28	9.67	12.24
		Sensible cooling capacity (1)	TON	0.47	0.69	0.92	1.34	1.71	2.01	2.53
	kW		1.66	2.41	3.23	4.70	6.03	7.07	8.90	
	Heating	Heating capacity (2)	TON	1.31	1.90	2.53	3.69	4.80	5.61	7.01
			kW	4.62	6.69	8.90	12.98	16.88	19.72	24.65
	Air flow	Max.	cfm	250	360	490	720	960	1160	1440
			m³/h	420	610	830	1220	1630	1970	2450
		Med.	cfm	210	280	350	580	780	960	1230
			m³/h	360	480	590	990	1330	1630	2090
		Min.	cfm	140	200	250	500	600	780	1070
			m³/h	240	340	420	850	1020	1330	1820
	Available static pressure	STD version	in WG	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12
			Pa	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30
AP version		in WG	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	
		Pa	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	
Sound pressure	Max. (3)	dB(A)	33	37	38	44	41	43	44	
	Med. (3)	dB(A)	31	31	35	38	39	37	39	
	Min. (3)	dB(A)	26	29	33	32	33	34	33	
Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	

DIMENSIONS		23	33	43	63	83	103	123
L	mm	740	910	1040	1240	1490	1590	1850
W	mm	480	480	480	480	480	480	480
H	mm	260	260	260	260	260	260	260

### CLEARANCE AREA (mm)



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Ambient air temperature 20 °C d.b., water temperature 70/60 °C.
3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## FDW-M 23÷123

Ceiling concealed Fan Coil units, **DRAW THROUGH**.

Built-in unit with horizontal rear inlet and air delivery.

# 50 Hz

### Versions

**FDW-M** Standard **FDW-M/AP** With high ESP fans

FDW-M 23÷123				23	33	43	63	83	103	123
50Hz	Cooling	Total cooling capacity (1)	TON	0.59	0.84	1.15	1.66	2.08	2.46	3.10
			kW	2.08	2.95	4.05	5.84	7.30	8.65	10.90
		Sensible cooling capacity (1)	TON	0.42	0.61	0.82	1.19	1.51	1.80	2.25
			kW	1.49	2.13	2.90	4.18	5.32	6.33	7.93
	Heating	Heating capacity (2)	TON	1.17	1.69	2.28	3.29	4.23	5.02	6.24
			kW	4.13	5.93	8.01	11.56	14.88	17.65	21.95
	Air flow	Max.	cfm	210	300	410	600	800	970	1200
			m³/h	360	510	700	1020	1360	1650	2040
		Med.	cfm	170	230	290	480	650	800	1020
			m³/h	290	390	490	820	1100	1360	1730
		Min.	cfm	120	170	210	420	500	650	890
			m³/h	200	290	360	710	850	1100	1510
	Available static pressure	STD version	in WG	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12
			Pa	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30
		AP version	in WG	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32
			Pa	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80
	Sound pressure	Max. (3)	dB(A)	33	37	38	43	41	43	44
		Med. (3)	dB(A)	31	31	35	39	38	37	39
		Min. (3)	dB(A)	26	29	33	32	33	34	33
Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	

DIMENSIONS		23	33	43	63	83	103	123
L	mm	795	795	995	1105	1395	1525	1755
W	mm	330	330	330	330	330	330	330
H	mm	260	260	260	260	260	260	260

### CLEARANCE AREA (mm)

200 | 400

Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Ambient air temperature 20 °C d.b., water temperature 70/60 °C.
3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.





## FDW-M 23÷123

Ceiling concealed Fan Coil units, **DRAW THROUGH**.  
Built-in unit with horizontal rear inlet and air delivery.

# 60 Hz

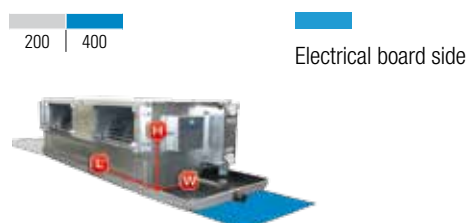
### Versions

**FDW-M** Standard **FDW-M/AP** With high ESP fans

FDW-M 23÷123			23	33	43	63	83	103	123	
60Hz	Cooling	Total cooling capacity (1)	TON	0.67	0.96	1.31	1.89	2.37	2.80	3.53
			kW	2.37	3.36	4.62	6.66	8.32	9.86	12.43
		Sensible cooling capacity (1)	TON	0.48	0.69	0.94	1.36	1.72	2.05	2.57
			kW	1.70	2.43	3.31	4.77	6.06	7.22	9.04
	Heating	Heating capacity (2)	TON	1.34	1.92	2.60	3.75	4.82	5.72	7.11
			kW	4.71	6.76	9.13	13.18	16.96	20.12	25.02
	Air flow	Max.	cfm	250	360	490	720	960	1160	1440
			m³/h	420	610	830	1220	1630	1970	2450
		Med.	cfm	210	280	350	580	780	960	1230
			m³/h	360	480	590	990	1330	1630	2090
		Min.	cfm	140	200	250	500	600	780	1070
			m³/h	240	340	420	850	1020	1330	1820
	Available static pressure	STD version	in WG	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12
			Pa	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30
		AP version	in WG	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32
			Pa	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80
	Sound pressure	Max. (3)	dB(A)	34	38	38	44	41	44	45
Med. (3)		dB(A)	31	31	36	39	39	37	40	
Min. (3)		dB(A)	27	30	34	33	33	35	33	
Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	

DIMENSIONS		23	33	43	63	83	103	123
L	mm	795	795	995	1105	1395	1525	1755
W	mm	330	330	330	330	330	330	330
H	mm	260	260	260	260	260	260	260

### CLEARANCE AREA (mm)



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Ambient air temperature 20 °C d.b., water temperature 70/60 °C.
3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## FBW-M/HDT 23÷123

Ceiling concealed Fan Coil units with **HIGH DELTA WATER TEMPERATURE, BLOW THROUGH.**

Built-in unit with horizontal rear inlet and air delivery.

**50 Hz**

### Versions

**FBW-M/HDT** Standard

**FBW-M/HDT/AP** With high ESP fans

FBW-M/HDT 23÷123				23	33	43	63	83	103	123
50Hz	Cooling	Total cooling capacity (1)	TON	0.55	0.77	1.02	1.54	2.10	2.39	2.97
			kW	1.95	2.72	3.59	5.41	7.38	8.41	10.44
		Sensible cooling capacity (1)	TON	0.39	0.55	0.73	1.08	1.45	1.71	2.09
			kW	1.34	1.92	2.51	3.76	5.08	5.91	7.23
	Air flow	Max.	cfm	210	300	410	600	800	970	1200
			m³/h	360	510	700	1020	1360	1650	2040
		Med.	cfm	170	230	290	480	650	800	1020
			m³/h	290	390	490	820	1100	1360	1730
		Min.	cfm	120	170	210	420	500	650	890
			m³/h	200	290	360	710	850	1100	1510
	Available static pressure	STD version	in WG	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12
			Pa	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30
		AP version	in WG	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32
			Pa	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80
	Sound pressure	Max. (2)	dB(A)	32	36	38	43	41	42	43
		Med. (2)	dB(A)	31	31	34	38	38	37	38
		Min. (2)	dB(A)	25	28	32	31	33	33	33
	Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

DIMENSIONS			23	33	43	63	83	103	123
L	mm		740	910	1040	1240	1490	1590	1850
W	mm		480	480	480	480	480	480	480
H	mm		260	260	260	260	260	260	260

### CLEARANCE AREA (mm)

200 | 400

Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 5,5/14,5 °C.
2. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## FBW-M/HDT 23÷123

Ceiling concealed Fan Coil units with **HIGH DELTA WATER TEMPERATURE, BLOW THROUGH.**

Built-in unit with horizontal rear inlet and air delivery.

**60 Hz**

### Versions

**FBW-M/HDT** Standard

**FBW-M/HDT/AP** With high ESP fans

FBW-M 23÷123			23	33	43	63	83	103	123	
60Hz	Cooling	Total cooling capacity (1)	TON	0.63	0.88	1.16	1.75	2.39	2.73	3.38
			kW	2.23	3.10	4.09	6.17	8.42	9.59	11.9
		Sensible cooling capacity (1)	TON	0.44	0.63	0.83	1.24	1.65	1.96	2.38
			kW	1.56	2.19	2.26	4.29	5.79	6.74	8.24
	Air flow	Max.	cfm	250	360	490	720	960	1160	1440
			m³/h	420	610	830	1220	1630	1970	2450
		Med.	cfm	210	280	350	580	780	960	1230
			m³/h	360	480	590	990	1330	1630	2090
		Min.	cfm	140	200	250	500	600	780	1070
			m³/h	240	340	420	850	1020	1330	1820
	Available static pressure	STD version	in WG	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12
			Pa	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30
		AP version	in WG	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32
			Pa	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80
	Sound pressure	Max. (2)	dB(A)	33	37	38	44	41	43	44
		Med. (2)	dB(A)	31	31	35	38	39	37	39
		Min. (2)	dB(A)	26	29	33	32	33	34	33
Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	

DIMENSIONS			23	33	43	63	83	103	123
L	mm		740	910	1040	1240	1490	1590	1850
W	mm		480	480	480	480	480	480	480
H	mm		260	260	260	260	260	260	260

### CLEARANCE AREA (mm)

200 | 400

Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 5,5/14,5 °C.
2. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## FDW-M/HDT 23÷123

Ceiling concealed Fan Coil units with **HIGH DELTA WATER TEMPERATURE, DRAW THROUGH.**

Built-in unit with horizontal rear inlet and air delivery.

**50 Hz**

### Versions

**FDW-M/HDT** Standard

**FDW-M/HDT/AP** With high ESP fans

FDW-M/HDT 23÷123				23	33	43	63	83	103	123
50Hz	Cooling	Total cooling capacity (1)	TON	0.57	0.78	1.05	1.56	2.11	2.44	3.01
			kW	1.99	2.75	3.68	5.49	7.42	8.58	10.60
		Sensible cooling capacity (1)	TON	0.39	0.55	0.73	1.08	1.45	1.71	2.09
			kW	1.37	1.94	2.57	3.81	5.11	6.03	7.34
	Air flow	Max.	cfm	210	300	410	600	800	970	1200
			m³/h	360	510	700	1020	1360	1650	2040
		Med.	cfm	170	230	290	480	650	800	1020
			m³/h	290	390	490	820	1100	1360	1730
		Min.	cfm	120	170	210	420	500	650	890
			m³/h	200	290	360	710	850	1100	1510
	Available static pressure	STD version	in WG	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12
			Pa	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30
		AP version	in WG	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32
			Pa	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80
	Sound pressure	Max. (2)	dB(A)	33	37	38	43	41	43	44
		Med. (2)	dB(A)	31	31	35	39	38	37	39
		Min. (2)	dB(A)	26	29	33	32	33	34	33
Water connections			"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	

DIMENSIONS			23	33	43	63	83	103	123
L	mm		795	795	995	1105	1395	1525	1755
W	mm		330	330	330	330	330	330	330
H	mm		260	260	260	260	260	260	260

### CLEARANCE AREA (mm)

200 | 400

Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 5,5/14,5 °C.
2. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## FDW-M/HDT 23÷123

Ceiling concealed Fan Coil units with **HIGH DELTA WATER TEMPERATURE, DRAW THROUGH.**

Built-in unit with horizontal rear inlet and air delivery.

**60 Hz**

### Versions

**FDW-M/HDT** Standard

**FDW-M/HDT/AP** With high ESP fans

FDW-M/HDT 23÷123				23	33	43	63	83	103	123
60Hz	Cooling	Total cooling capacity (1)	TON	0.65	0.89	1.19	1.78	2.41	2.78	3.44
			kW	2.27	3.13	4.20	6.26	8.46	9.78	12.09
		Sensible cooling capacity (1)	TON	0.44	0.63	0.83	1.24	1.65	1.96	2.38
			kW	1.56	2.21	2.93	4.35	5.82	6.88	8.37
	Air flow	Max.	cfm	250	360	490	720	960	1160	1440
			m³/h	420	610	830	1220	1630	1970	2450
		Med.	cfm	210	280	350	580	780	960	1230
			m³/h	360	480	590	990	1330	1630	2090
		Min.	cfm	140	200	250	500	600	780	1070
			m³/h	240	340	420	850	1020	1330	1820
	Available static pressure	STD version	in WG	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12	0.00 / 0.12
			Pa	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30
		AP version	in WG	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32	0.24 / 0.32
			Pa	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80
	Sound pressure	Max. (2)	dB(A)	34	38	38	44	41	44	45
		Med. (2)	dB(A)	31	31	36	39	39	37	40
		Min. (2)	dB(A)	27	30	34	33	33	35	33
Water connections			"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	

DIMENSIONS		23	33	43	63	83	103	123
L	mm	795	795	995	1105	1395	1525	1755
W	mm	330	330	330	330	330	330	330
H	mm	260	260	260	260	260	260	260

### CLEARANCE AREA (mm)

200 | 400

Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 5,5/14,5 °C.
3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.





## HWW-M 32÷82

Wall mounted Fan Coil units.

50 Hz

### Versions

HWW-M Standard

HWW-M 32÷82			32	42	52	62	82	
50Hz	Cooling	Total cooling capacity (1)	TON	0.77	1.04	1.29	1.54	2.04
			kW	2.72	3.64	4.52	5.41	7.19
		Sensible cooling capacity (1)	TON	0.60	0.81	1.00	1.20	1.60
			kW	2.12	2.84	3.53	4.22	5.61
	Heating	Heating capacity (2)	TON	1.04	1.38	1.73	2.06	2.75
			kW	3.67	4.84	6.09	7.25	9.68
	Air flow	Max.	cfm	300	400	500	600	800
			m³/h	510	680	850	1020	1360
		Med.	cfm	225	300	375	450	600
			m³/h	380	510	640	760	1020
		Min.	cfm	150	200	250	300	400
			m³/h	250	340	420	510	680
	Sound pressure	Max. (3)	dB(A)	45	49	52	52	54
		Med. (3)	dB(A)	38	42	43	46	49
		Min. (3)	dB(A)	34	38	38	40	44
Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	

DIMENSIONS			32	42	52	62	82
L	mm		880	1095	1095	1095	1310
W	mm		195	195	195	195	240
H	mm		280	310	310	310	310



### NOTES

1. Ambient air temperature 27 °C d.b.; 19 °C w.b., water temperature 7/12 °C.
  2. Ambient air temperature 20°C d.b., water temperature 55/45°C.
  3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.
- N.B. Maximum inlet water temperature 60 °C.



## TCW-M 32÷142

Water Cassette.

50 Hz

### Versions

TCW-M Standard

TCW-M 32÷142				32	42	62	82	102	122	142	
50Hz	Cooling	Total cooling capacity (1)	TON	0.77	1.03	1.54	2.04	2.56	3.08	3.59	
			kW	2.71	3.62	5.42	7.16	9.00	10.82	12.64	
		Sensible cooling capacity (1)	TON	0.60	0.80	1.20	1.59	2.00	2.40	2.80	
			kW	2.11	2.82	4.23	5.58	7.02	8.44	9.86	
	Heating	Heating capacity (2)	TON	1.05	1.37	2.06	2.74	3.44	4.12	4.81	
			kW	3.70	4.83	7.24	9.65	12.09	14.50	16.93	
	Air flow	Max.	cfm	300	400	600	800	1000	1200	1400	
			m³/h	510	680	1020	1360	1700	2040	2380	
		Med.	cfm	230	300	450	600	750	900	1050	
			m³/h	390	510	760	1020	1270	1530	1780	
		Min.	cfm	150	200	300	400	500	600	700	
			m³/h	250	340	510	680	850	1020	1190	
		Sound pressure	Max. (3)	dB(A)	39	40	44	45	48	50	51
			Med. (3)	dB(A)	35	35	35	39	41	42	47
	Min. (3)		dB(A)	32	30	30	29	37	36	36	
Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"		

DIMENSIONS		32	42	62	82	102	122	142
L	mm	650	650	950	950	950	950	950
W	mm	650	650	950	950	950	950	950
H	mm	265	265	240	240	280	280	280



### NOTES

1. Ambient air temperature 27 °C d.b.; 19 °C w.b., water temperature 7/12 °C.
  2. Ambient air temperature 20°C d.b., water temperature 55/45°C.
  3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.
- N.B. Maximum inlet water temperature 60 °C.



## DBW-M 133÷464

Ducted Blower Fan Coil units.

Horizontal unit rear inlet and horizontal delivery.

# 50 Hz

### Versions

DBW-M Standard

DBW-M 133÷464			133	164	203	253	324	423	424	464	
50Hz	Cooling	Total cooling capacity (1)	TON	3.3	4.3	4.7	5.5	9.0	10.6	12.5	13.8
			kW	11.7	15.0	16.4	19.3	31.7	37.2	44.0	48.7
		Sensible cooling capacity (1)	TON	2.3	3.0	3.4	4.1	6.3	7.3	8.6	9.4
			kW	7.9	10.6	12.0	14.4	22.3	25.8	30.2	33.1
	Heating	Total heating capacity (2)	TON	4.2	5.7	6.9	8.1	11.8	13.9	15.8	17.6
			kW	14.9	19.9	24.1	28.5	41.5	48.9	55.7	61.8
	Air flow	Max.	cfm	1250	1600	2000	2500	3200	4200	4200	4600
			m³/h	2120	2720	3400	4240	5430	7130	7130	7810
		Med.	cfm	1100	1400	1800	2200	2900	---	---	---
			m³/h	1870	2380	3060	3740	4920	---	---	---
		Min.	cfm	900	1250	1400	1600	2600	---	---	---
			m³/h	1530	2120	2380	2720	4410	---	---	---
	Available static pressure		in WG	0.40	0.40	0.40	0.40	0.40	0.60	0.60	0.60
			Pa	100	100	100	100	100	150	150	150
	Sound pressure		Max. (3)	dB(A)	52	52	55	56	61	67	67
Med. (3)			dB(A)	49	49	51	52	58	---	---	---
Min. (3)			dB(A)	40	40	43	44	49	---	---	---
Water connections		inch	3/4"	3/4"	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	

DIMENSIONS		133	164	203	253	324	423	424	464
L	mm	855	855	1495	1495	1495	1630	1630	1630
W	mm	705	705	705	705	705	975	975	975
H	mm	565	565	565	565	565	785	785	785

### CLEARANCE AREA (mm)



Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Ambient air temperature 20 °C d.b., water temperature 50 °C, same water flow as for cooling.
3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## DBW-M 643÷2256

Ducted Blower Fan Coil units.

Horizontal unit rear inlet and horizontal or vertical delivery.

# 50 Hz

### Versions

DBW-M Standard

DBW-M 643÷2256			643	644	646	803	804	806	903	904	906	1053	1054	1056	1203	1204	
50Hz	Cooling	Total cooling capacity (1)	TON	15.0	20.2	24.3	18.2	24.7	29.9	20.6	27.8	33.5	25.9	30.5	37.0	28.8	33.8
			kW	52.8	70.9	85.3	63.9	86.8	105	72.4	97.6	118	91.2	107	130	101	119
		Sensible cooling capacity (1)	TON	10.8	13.6	16.0	13.3	16.8	19.8	14.8	18.8	22.2	18.3	21.3	25.2	20.4	23.8
			kW	37.8	47.8	56.3	46.6	58.9	69.8	52.2	66.2	78.0	64.5	74.7	88.5	71.8	83.5
	Rows		n°	3	4	6	3	4	6	3	4	6	3	4	6	3	4
	Air flow	cfm	6400	6400	6400	7990	7990	7990	8990	8990	8990	10490	10490	10490	11990	11990	
		m³/h	10870	10870	10870	13580	13580	13580	15280	15280	15280	17830	17830	17830	20370	20370	
	Available static pressure		in WG	0.60	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
			Pa	150	150	150	200	200	200	200	200	200	200	200	200	200	200
	Sound pressure (2)		dB(A)	72	72	72	74	74	74	76	76	76	79	79	79	77	77
Water connections		inch	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	3"	2 1/2"	2 1/2"	

Technical data of 1206÷2256 models continues on next page.

DIMENSIONS		643	644	646	803	804	806	903	904	906	1053	1054	1056	1203	1204
L	mm	1875	1875	1875	1915	1915	1915	1915	1915	1915	2170	2170	2170	2320	2320
W	mm	980	980	980	1175	1175	1175	1175	1175	1175	1175	1175	1175	1380	1380
H	mm	865	865	865	1235	1235	1235	1235	1235	1235	1490	1490	1490	1490	1490

### CLEARANCE AREA (mm)

800	800	800
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Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## DBW-M 643÷2256

Ducted Blower Fan Coil units.

Horizontal unit rear inlet and horizontal or vertical delivery.

# 50 Hz

### Versions

DBW-M Standard

DBW-M 643÷2256			1206	1353	1354	1356	1503	1504	1506	1803	1804	1806	2253	2254	2256	
50Hz	Cooling	Total cooling capacity (1)	TON	41.3	33.0	38.9	47.3	35.8	42.3	51.7	43.8	51.7	62.9	54.0	63.8	77.8
			kW	145	116	137	166	126	149	182	154	182	221	190	224	274
		Sensible cooling capacity (1)	TON	28.2	23.3	26.9	32.2	25.3	29.4	35.3	31	35.8	42.6	38.1	44.5	52.8
			kW	99.1	81.8	94.7	113	88.8	103	124	109	126	150	134	157	186
	Rows		n°	6	3	4	6	3	4	6	3	4	6	3	4	6
	Air flow	cfm	11990	13490	13490	13490	14990	14990	14990	17990	17990	17990	22480	22480	22480	
		m³/h	20370	22920	22920	22920	25470	25470	25470	30560	30560	30560	38200	38200	38200	
	Available static pressure		in WG	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.20	1.20	1.20	1.41	1.41	1.41
			Pa	200	250	250	250	250	250	250	300	300	300	350	350	350
	Sound pressure (2)		dB(A)	77	80	80	80	83	83	83	84	84	84	84	84	84
Water connections		inch	3"	2 1/2"	2 1/2"	3"	2 1/2"	2 1/2"	3"	2x2"	2x2"	2x2"	2x2"	2x2"	2x2"	

DIMENSIONS		1206	1353	1354	1356	1503	1504	1506	1803	1804	1806	2253	2254	2256
L	mm	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320
W	mm	1380	1380	1380	1380	1380	1380	1380	1830	1830	1830	1830	1830	1830
H	mm	1490	1490	1490	1490	1490	1490	1490	1915	1915	1915	2250	2250	2250

### CLEARANCE AREA (mm)

800	800	800
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Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.





## HWW-M/SZ 32÷82

Wall mounted Fan Coil units.

**60 Hz**

### Versions

HWW-M/SZ Standard

HWW-M/SZ 32÷82			32	42	52	62	82	
60Hz	Cooling	Total cooling capacity (1)	TON	0.83	1.11	1.38	1.65	2.19
			kW	2.91	3.89	4.84	5.79	7.69
		Sensible cooling capacity (1)	TON	0.65	0.86	1.07	1.29	1.71
			kW	2.27	3.03	3.78	4.52	6.00
	Heating	Heating capacity (2)	TON	1.12	1.47	1.86	2.21	2.95
			kW	3.94	5.16	6.54	7.78	10.37
	Air flow	Max.	cfm	330	440	550	660	880
			m³/h	560	750	930	1120	1500
		Med.	cfm	250	330	410	500	660
			m³/h	420	560	700	850	1120
		Min.	cfm	170	220	280	330	440
			m³/h	290	370	480	560	750
	Sound pressure	Max. (3)	dB(A)	46	50	53	53	55
		Med. (3)	dB(A)	39	43	44	47	50
Min. (3)		dB(A)	35	39	39	41	45	
Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	

DIMENSIONS		32	42	52	62	82
L	mm	880	1095	1095	1095	1310
W	mm	195	195	195	195	240
H	mm	280	310	310	310	320



### NOTES

1. Ambient air temperature 27 °C d.b.; 19 °C w.b., water temperature 7/12 °C.
  2. Ambient air temperature 20°C d.b., water temperature 55/45°C.
  3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.
- N.B. Maximum inlet water temperature 60 °C.



## TCW-M/SZ 32÷142

Water Cassette.

**60 Hz**

### Versions

TCW-M/SZ Standard

TCW-M/SZ 32÷142				32	42	62	82	102	122	142	
60Hz	Cooling	Total cooling capacity (1)	TON	0.82	1.10	1.65	2.18	2.74	3.29	3.84	
			kW	2.90	3.87	5.80	7.66	9.63	11.58	13.52	
		Sensible cooling capacity (1)	TON	0.64	0.86	1.29	1.70	2.14	2.57	3.00	
			kW	2.26	3.02	4.52	5.97	7.51	9.03	10.55	
	Heating	Heating capacity (2)	TON	1.12	1.48	2.20	2.94	3.68	4.42	5.15	
			kW	3.94	5.20	7.75	10.34	12.95	15.53	18.10	
	Air flow	Max.	cfm	330	440	660	880	1100	1320	1540	
			m³/h	560	750	1120	1500	1870	2240	2620	
		Med.	cfm	250	330	500	660	830	990	1160	
			m³/h	420	560	850	1120	1410	1680	1970	
		Min.	cfm	170	220	330	440	550	660	770	
			m³/h	290	370	560	750	930	1120	1310	
		Sound pressure	Max. (3)	dB(A)	40	41	45	46	49	51	52
			Med. (3)	dB(A)	36	36	36	40	42	43	48
	Min. (3)		dB(A)	33	31	31	30	38	37	37	
Water connections		"G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"		

DIMENSIONS			32	42	62	82	102	122	142
L	mm		650	650	950	950	950	950	950
W	mm		650	650	950	950	950	950	950
H	mm		265	265	240	240	280	280	280

### NOTES

1. Ambient air temperature 27 °C d.b.; 19 °C w.b., water temperature 7/12 °C.
  2. Ambient air temperature 20°C d.b., water temperature 55/45°C.
  3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.
- N.B. Maximum inlet water temperature 60 °C.





## DBW-M/SZ 133÷464

Ducted Blower Fan Coil units.

Horizontal unit rear inlet and horizontal delivery.

# 60 Hz

### Versions

DBW-M/SZ Standard

DBW-M/SZ 133÷464			133	164	203	253	324	423	424	464	
60Hz	Cooling	Total cooling capacity (1)	TON	3.5	4.5	4.9	5.8	9.5	11.2	13.3	14.7
			kW	12.4	15.8	17.4	20.5	33.5	39.5	46.6	51.6
		Sensible cooling capacity (1)	TON	2.4	3.2	3.6	4.3	6.7	7.8	9.1	10.0
			kW	8.4	11.2	12.7	15.2	23.6	27.3	32.0	35.1
	Heating	Total heating capacity (2)	TON	4.4	5.9	7.2	8.4	12.4	14.4	16.4	18.3
			kW	15.4	20.9	25.2	29.6	43.6	50.8	57.8	64.2
	Air flow	Max.	cfm	1300	1700	2100	2600	3400	4400	4400	4800
			m³/h	2210	2890	3570	4410	5770	7470	7470	8150
		Med.	cfm	1200	1500	1900	2300	3000	---	---	---
			m³/h	2040	2550	3230	3910	5090	---	---	---
		Min.	cfm	900	1300	1500	1700	2700	---	---	---
			m³/h	1530	2210	2550	2890	4580	---	---	---
	Available static pressure		in WG	0.40	0.40	0.40	0.40	0.40	0.60	0.60	0.60
			Pa	100	100	100	100	100	150	150	150
	Sound pressure		Max. (3)	dB(A)	53	53	56	57	62	68	68
Med. (3)			dB(A)	50	50	52	53	59	---	---	---
Min. (3)			dB(A)	41	41	44	45	50	---	---	---
Water connections		inch	3/4"	3/4"	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	

DIMENSIONS		133	164	203	253	324	423	424	464
L	mm	855	855	1495	1495	1495	1630	1630	1630
W	mm	705	705	705	705	705	975	975	975
H	mm	565	565	565	565	565	785	785	785

### CLEARANCE AREA (mm)

800 | 800 | 800

Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Ambient air temperature 20 °C d.b., water temperature 50 °C, same water flow as for cooling.
3. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## DBW-M/SZ 643÷2256

Ducted Blower Fan Coil units.

Horizontal unit rear inlet and horizontal or vertical delivery.

**60 Hz**

### Versions

DBW-M/SZ Standard

DBW-M/SZ 643÷2256			643	644	646	803	804	806	903	904	906	1053	1054	1056	1203	1204	
60Hz	Cooling	Total cooling capacity (1)	TON	16.0	21.6	26.0	19.4	26.4	31.8	22.0	29.6	35.8	27.9	32.7	39.5	30.7	36.1
			kW	56.4	75.9	91.3	68.4	92.8	112	77.5	104	126	98.0	115	139	108	127
		Sensible cooling capacity (1)	TON	11.5	14.5	17.1	14.2	17.9	21.3	15.9	20.2	23.7	19.6	22.7	26.9	21.8	25.4
			kW	40.5	51.1	60.2	49.9	63.0	75.0	55.8	70.9	83.4	69.0	80.0	94.7	76.8	89.4
	Rows		n°	3	4	6	3	4	6	3	4	6	3	4	6	3	4
	Air flow		cfm	7190	7190	7190	8990	8990	8990	10190	10190	10190	11890	11890	11890	13590	13590
			m³/h	12220	12220	12220	15280	15280	15280	17320	17320	17320	20200	20200	20200	23090	23090
	Available static pressure		in WG	0.60	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
			Pa	150	150	150	200	200	200	200	200	200	200	200	200	200	200
	Sound pressure (2)		dB(A)	73	73	73	75	75	75	77	77	77	80	80	80	78	78
Water connections		inch	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	3"	2 1/2"	2 1/2"	

Technical data of 1206÷2256 models continues on next page.

DIMENSIONS		643	644	646	803	804	806	903	904	906	1053	1054	1056	1203	1204
L	mm	1875	1875	1875	1915	1915	1915	1915	1915	1915	2170	2170	2170	2320	2320
W	mm	980	980	980	1175	1175	1175	1175	1175	1175	1175	1175	1175	1380	1380
H	mm	865	865	865	1235	1235	1235	1235	1235	1235	1490	1490	1490	1490	1490

### CLEARANCE AREA (mm)

800	800	800
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Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.



## DBW-M/SZ 643÷2256

Ducted Blower Fan Coil units.

Horizontal unit rear inlet and horizontal or vertical delivery.

**60 Hz**

### Versions

DBW-M/SZ Standard

DBW-M/SZ 643÷2256			1206	1353	1354	1356	1503	1504	1506	1803	1804	1806	2253	2254	2256	
60Hz	Cooling	Total cooling capacity (1)	TON	44.4	35.3	41.5	50.6	38.4	45.2	55.2	46.9	55.2	67.4	57.7	68.2	83.3
			kW	156	124	146	178	135	159	194	165	194	237	203	240	293
		Sensible cooling capacity (1)	TON	30.1	24.9	28.7	34.4	27.0	31.6	37.8	33.2	31.6	37.8	40.7	31.6	37.8
			kW	106	87.5	101	121	95.0	111	133	117	111	133	143	111	133
	Rows		n°	6	3	4	6	3	4	6	3	4	6	3	4	6
	Air flow		cfm	13590	15290	15290	15290	16990	16990	16990	20290	20290	20290	25380	25380	25380
			m³/h	23090	25980	25980	25980	28860	28860	28860	34470	34470	34470	43120	43120	43120
	Available static pressure		in WG	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1,20	1,20	1,20	1,41	1,41	1,41
			Pa	200	250	250	250	250	250	250	300	300	300	350	350	350
	Sound pressure (2)		dB(A)	78	81	81	81	84	84	84	85	85	85	85	85	85
Water connections		inch	3"	2 1/2"	2 1/2"	3"	2 1/2"	2 1/2"	3"	2x2"	2x2"	2x2"	2x2"	2x2"	2x2"	

DIMENSIONS		1206	1353	1354	1356	1503	1504	1506	1803	1804	1806	2253	2254	2256
L	mm	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320
W	mm	1380	1380	1380	1380	1380	1380	1380	1830	1830	1830	1830	1830	1830
H	mm	1490	1490	1490	1490	1490	1490	1490	1915	1915	1915	2250	2250	2250

### CLEARANCE AREA (mm)

800	800	800
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Electrical board side



### NOTES

1. Ambient air temperature 27 °C d.b./ 19 °C w.b., water temperature 7/12 °C.
2. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.