

TEMPSTAR®

Heating and Cooling Products

Duct Free Split Systems
9,000 Btuh to 24,000 Btuh
50 Hz Heat Pumps



Tempstar Duct Free Split System Air conditioners are built to exacting standards and feature

- Attractive design with modern appearance
- Auto-Swing Air Movement
- Washable return air filter cartridges
- LCD wireless remote
- Multi-speed blowers designed for quiet operation
- High Efficiency copper tubes with aluminum fin coils
- Electrostatic coating on steel parts for corrosion resistance
- CE approved
- R407C models Available
- Inverter Multi-splits Available



International Division
650 Heil Quaker Avenue
Lewisburg TN 37067

428 21 9201 00
Dec-02

Duct Free Split Heat Pump 9,000 through 24,000 Btuh

THWH SWD SERIES



CLASSIC

SPECIFICATIONS

Model	THWH09SWD	THWH12SWD	THWH18SWD	THWH24SWD	
Nominal Cooling Capacity Btuh (note 1)	9,000	12,000	18,000	24,000	
Cooling Input Power Watts	880	1,260	2,000	2,700	
Max continuous cooling operation deg C	43.0	43.0	43.0	43.0	
Nominal Heating Capacity Btuh (note 2)	9,500	13,000	18,500	25,500	
Heating Input Power Watts	900	1,280	2,000	2,750	
Min Heating continuous operation deg C	-7.0	-7.0	-7.0	-7.0	
Electrical Data	Input Voltage	220/240-1-50			
	Voltage Range	198 - 264			
	Rated Amperage cooling	4.1	5.8	9.3	12.5
	Rated Amperage heating	4.2	5.9	9.3	12.8
Indoor Unit Data	Noise Level dBA (High Speed)	33	37	43	47
	Dehumidification l/hr	0.9	1.5	2.4	2.8
	Motor Speeds	3	3	3	3
	Air Flow High Speed (cfm)	247	342	442	530
	Air Flow Medium Speed (cfm)	215	312	383	477
Control Features	Auto Sweep	YES			
	Sleep Mode	YES			
	Programmable on/off timer	YES			
	Auto restart after power failure	YES			
	Emergency on/off	YES			
Outdoor Unit Data	Coil Type	Aluminum fin with copper tubes			
	Compressor Type	Rotary	Rotary	Rotary	Rotary
	Noise Level dBA	50	51	54	58
	Refrigerant Fittings	Flare Fittings			
	Liquid line size (inches)	1/4	1/4	3/8	3/8
	Suction line size (inches)	3/8	1/2	5/8	5/8
Drain Connection size (inches)	3/4	3/4	3/4	3/4	

DIMENSIONS (NET)

Model	THWH09SWD	THWH12SWD	THWH18SWD	THWH24SWD	
Indoor	Width (mm)	800	890	1025	1025
	Height (mm)	270	270	313	313
	Depth (mm)	168	168	203	203
	Weight (kg)	9.0	11.0	14.0	14.0
Outdoor	Width (mm)	755	755	755	832
	Height (mm)	530	530	530	702
	Depth (mm)	252	252	252	380
	Weight (kg)	36.0	38.0	40.0	55.0

DIMENSIONS SHIPPING

Model	THWH09SWD	THWH12SWD	THWH18SWD	THWH24SWD	
Indoor	Width (mm)	890	980	1130	1130
	Height (mm)	350	350	395	395
	Depth (mm)	240	250	300	300
	Weight (kg)	11.0	14.0	19.0	19.0
Outdoor	Width (mm)	890	890	890	970
	Height (mm)	580	580	580	765
	Depth (mm)	350	350	350	410
	Weight (kg)	41.0	43.0	45.0	62.0

Note (1) Capacity based on 35 deg C ambient, 27 deg C DB/19 deg C WB indoor air.

Note (2) Capacity based on 17.8 dec C ambient DB

Duct Free Split Heat Pump 9,000 through 24,000 Btuh

THWH GWD SERIES



**407 C
REFRIGERANT**

SPECIFICATIONS

Model	THWH09GWD	THWH12GWD	THWH18GWD	THWH24GWD	
Nominal Cooling Capacity Btuh (note 1)	8,500	12,000	18,000	23,500	
Cooling Input Power Watts	920	1,380	2,080	2,600	
Max cooling continuous operation deg C	43.0	43.0	43.0	43.0	
Nominal Heating Capacity Btuh (note 2)	9,500	14,000	18,600	25,500	
Heating Input Watts	920	1,480	2,000	2,800	
Min Heating continuous operation deg C	-7.0	-7.0	-7.0	-7.0	
Electrical Data	Input Voltage	220/240-1-50			
	Voltage Range	198 - 264			
	Rated Amperage cooling	4.3	6.4	10.0	12.2
	Rated Amperage Heating	4.3	6.9	9.6	13.1
Indoor Unit Data	Noise Level dBA (High Speed)	33	37	44	48
	Dehumidification l/hr	0.9	1.5	2.4	2.8
	Motor Speeds	3	3	3	3
	Air Flow High Speed (cfm)	247	342	442	530
	Air Flow Medium Speed (cfm)	215	312	383	477
	Air Flow Low Speed (cfm)	180	283	318	412
Control Features	Auto Sweep	YES			
	Sleep Mode	YES			
	Programmable on/off timer	YES			
	Auto restart after power failure	YES			
	Emergency on/off	YES			
Outdoor Unit Data	Coil Type	Aluminum fin with copper tubes			
	Compressor Type	Rotary	Rotary	Rotary	Rotary
	Noise Level dBa	50	51	54	58
	Refrigerant Fittings	Flare Fittings			
	Liquid line size (inches)	1/4	1/4	3/8	3/8
	Suction line size (inches)	3/8	1/2	5/8	5/8
	Drain Connection size (inches)	3/4	3/4	3/4	3/4

DIMENSIONS (NET)

Model	THWH09GWD	THWH12GWD	THWH18GWD	THWH24GWD	
Indoor	Width (mm)	800	890	1025	1025
	Height (mm)	270	270	313	313
	Depth (mm)	168	168	203	203
	Weight (kg)	9.0	11.0	14.0	14.0
Outdoor	Width (mm)	755	755	832	832
	Height (mm)	530	530	702	702
	Depth (mm)	252	252	380	380
	Weight (kg)	36.0	38.0	52.0	55.0

DIMENSIONS SHIPPING

Model	THWH09GWD	THWH12GWD	THWH18GWD	THWH24GWD	
Indoor	Width (mm)	890	980	1130	1130
	Height (mm)	350	350	395	395
	Depth (mm)	240	250	300	300
	Weight (kg)	11.0	14.0	19.0	19.0
Outdoor	Width (mm)	890	890	970	970
	Height (mm)	580	580	765	765
	Depth (mm)	350	350	410	410
	Weight (kg)	41.0	43.0	57.0	62.0

Note (1) Capacity based on 35 deg C ambient, 27 deg C DB/19 deg C WB indoor air.

Note (2) Capacity based on 17.8 dec C ambient DB

Duct Free Split Heat Pump Multiple Indoor with Single Outdoor

HWH DWD, TWD, QWD SERIES CAPACITY & TECHNICAL DATA



SPECIFICATIONS

Model	HWH0909DWD	HWH0912DWD	HWH1212DWD	HWH1207TWD	HWH0808TWD	HWH0606QWD	
Unit A	Nominal Cooling Capacity Btuh (note 1)	9,000	9,000	12,000	12,000	8,000	
	Cooling Input Power Watts	900	900	1,300	900 - 2750 (note 3)	900 - 2750 (note 3)	
Unit B	Nominal Cooling Capacity Btuh (note 1)	9,000	12,000	12,000	7,000	8,000	
	Cooling Input Power Watts	900	1,300	1,300	900 - 2750 (note 3)	900 - 2750 (note 3)	
Unit C	Nominal Cooling Capacity Btuh (note 1)				7,000	8,000	
	Cooling Input Power Watts				900 - 2750 (note 3)	900 - 2750 (note 3)	
Unit D	Nominal Cooling Capacity Btuh (note 1)					6,000	
	Cooling Input Power Watts					900 - 2750 (note 3)	
Max continuous cooling operation deg C		43.0	43.0	43.0	43.0	43.0	
Unit A	Nominal Heating Capacity Btuh (note 1)	9,000	9,000	12,600	13,000	9,500	
	Heating Input Power Watts	900	900	1,300	1000 - 3000 (note 3)	1000 - 3000 (note 3)	
Unit B	Nominal Heating Capacity Btuh (note 1)	9,000	12,000	12,600	8,000	9,500	
	Heating Input Power Watts	900	1,300	1,300			
Unit C	Nominal Heating Capacity Btuh (note 1)				8,000	9,500	
	Heating Input Power Watts				1000 - 3000 (note 3)	1000 - 3000 (note 3)	
Unit D	Nominal Heating Capacity Btuh (note 1)					7,500	
	Heating Input Power Watts					1000 - 3000 (note 3)	
Min Heating continuous operation deg C		-7.0	-7.0	-7.0	-7.0	-7.0	
Electrical Data	Input Voltage	220/240-1-50					
	Voltage Range	198 - 264					
	Rated Amperage cooling unit A / B / C / D	4.2 / 4.2	4.2 / 6.0	6.0 / 6.0	<13.2 (note 3)	<13.2 (note 3)	<13.2 (note 3)
	Rated Amperage heating unit A / B / C / D	4.2 / 4.2	4.2 / 6.0	6.0 / 6.0	<14.4 (note 3)	<14.4 (note 3)	<14.4 (note 3)
Indoor Unit Data	Unit A	Noise Level dBA (High Speed)	33	33	37	37	33
		Dehumidification l/hr	0.9	0.9	1.5	1.5	0.9
		Motor Speeds	3	3	3	3	3
		Air Flow High Speed (cfm)	247	247	342	342	247
		Air Flow Medium Speed (cfm)	215	215	312	312	215
	Unit B	Air Flow Low Speed (cfm)	180	180	283	283	180
		Noise Level dBA (High Speed)	33	37	37	33	33
		Dehumidification l/hr	0.9	1.5	1.5	0.9	0.9
		Motor Speeds	3	3	3	3	3
		Air Flow High Speed (cfm)	247	342	342	247	247
	Unit C	Air Flow Medium Speed (cfm)	215	312	312	215	215
		Air Flow Low Speed (cfm)	180	283	283	180	180
		Noise Level dBA (High Speed)				33	33
		Dehumidification l/hr				0.9	0.9
		Motor Speeds				3	3
	Unit D	Air Flow High Speed (cfm)				247	247
		Air Flow Medium Speed (cfm)				215	215
		Air Flow Low Speed (cfm)				180	180
		Noise Level dBA (High Speed)					33
		Dehumidification l/hr					0.9
Control Features	Auto Sweep				YES		
	Sleep Mode				YES		
	Programmable on/off timer				YES		
	Auto restart after power failure				YES		
	Emergency on/off				YES		
Outdoor Unit Data	Coil Type	Aluminum fin with copper tubes					
	Compressor Type	Rotary	Rotary	Rotary	Rotary - inverter	Rotary - Inverter	
	Noise Level dBA	61	61	61	62	62	
	Refrigerant Fittings	Flare Fittings					
	Liquid line size (inches)	1/4	1/4	1/4	1/4	1/4	
	Suction line size (inches)	3/8	3/8	3/8	3/8	3/8	
	Drain Connection size (inches)	3/4	3/4	3/4	3/4	3/4	

Note (1) Capacity based on 35 deg C ambient, 27 deg C DB/19 deg C WB indoor air.

Note (2) Capacity based on 17.8 deg C ambient DB

Note (3) These models use a single inverter compressor. power watts and amps cannot be determined by individual indoor units

Duct Free Split Heat Pump Multiple Indoor with Single Outdoor

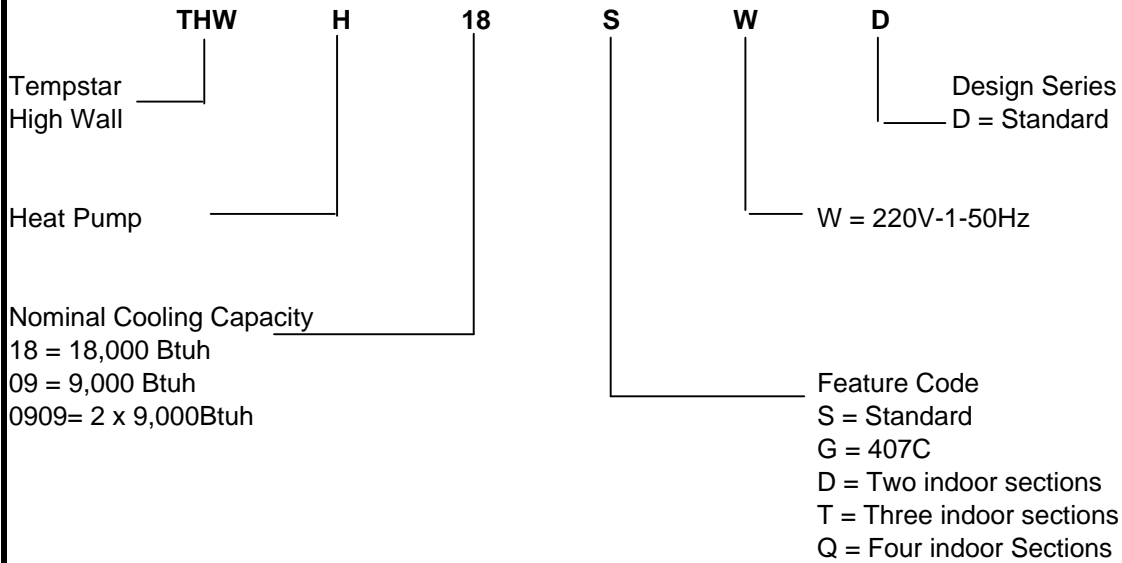
HWH DWD, TWD, QWD SERIES DIMENSIONAL DATA



DIMENSIONS (NET)			HWH0909DWD	HWH0912DWD	HWH1212DWD	HWH1207TWD	HWH0808TWD	HWH0606QWD
Indoor Unit	Unit A	Width (mm)	800	800	890	890	800	800
		Height (mm)	270	270	270	270	270	270
		Depth (mm)	168	168	168	168	168	168
		Weight (kg)	9.0	9.0	11.0	11.0	9.0	9.0
	Unit B	Width (mm)	800	890	890	800	800	800
		Height (mm)	270	270	270	270	270	270
		Depth (mm)	168	168	168	168	168	168
		Weight (kg)	9.0	11.0	11.0	9.0	9.0	9.0
	Unit C	Width (mm)				800	800	800
		Height (mm)				270	270	270
		Depth (mm)				168	168	168
		Weight (kg)				9.0	9.0	9.0
	Unit D	Width (mm)						800
		Height (mm)						270
		Depth (mm)						168
		Weight (kg)						9.0
Outdoor Unit	Width (mm)		890	890	890	890	832	
	Height (mm)		793	793	793	793	702	
	Depth (mm)		414	414	414	414	380	
	Weight (kg)		60.0	66.0	68.0	66.0	55.0	

DIMENSIONS SHIPPING			HWH0909DWD	HWH0912DWD	HWH1212DWD	HWH1207TWD	HWH0808TWD	HWH0606QWD
Indoor Unit	Unit A	Width (mm)	890	890	980	980	890	890
		Height (mm)	350	350	350	350	350	350
		Depth (mm)	240	240	250	250	240	240
		Weight (kg)	9.0	9.0	14.0	14.0	9.0	9.0
	Unit B	Width (mm)	890	980	980	890	890	890
		Height (mm)	350	350	350	350	350	350
		Depth (mm)	240	250	250	240	240	240
		Weight (kg)	11.0	14.0	14.0	9.0	9.0	9.0
	Unit C	Width (mm)				890	890	890
		Height (mm)				350	350	350
		Depth (mm)				240	240	240
		Weight (kg)				9.0	9.0	9.0
	Unit D	Width (mm)						890
		Height (mm)						350
		Depth (mm)						240
		Weight (kg)						9.0
Outdoor Unit	Width (mm)		1050	1050	1050	1050	1050	
	Height (mm)		910	910	910	910	910	
	Depth (mm)		500	500	500	500	500	
	Weight (kg)		92.0	92.0	92.0	80.0	80.0	81.0

Model Nomenclature



International Comfort Products markets an entire range of products up through 20 tons of cooling capacity. Whether you need a window room air conditioner for your home, or a rooftop mounted 20 ton packaged air conditioner for your factory you can count on the Tempstar family of products to provide economical, reliable service.



TEMPSTAR®
 Heating and Cooling Products

Contact your local Tempstar representative to learn more about these, and other fine products



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