Job Information	*Technical Data Sheet*
Job Name	Dawson-Boyd 2026 HP-14 15
Date	10/19/2026
Submitted By	Matt Davids
Software Version	15.30
Unit Tag	HP-14



Unit Overview

Model Number	Electrical V/Hz/Phase	Airflow CFM	Fluid Flow gpm	Cooling Capacity Btu/hr	Cooling Efficiency EER@AHRI	Cooling Efficiency EER@Design	Heating Capacity Btu/hr	Heating Efficiency COP@AHRI	Heating Efficiency COP@Design
WSCH060	460/60/3	2005	15.00	54716	15.9	12.3	55029	3.3	3.5

Unit

Model Number:	WSCH060
Unit Type:	SmartSource Compact - Single Stage
Approval:	ETL, CETL, AHRI

Configuration	Refrigerant Type	Refrigerant Weight	Loop Temperature Range
Horizontal	R-32	49.0 oz	Ground Loop (Geothermal)

Unit Performance

Air & Fluid Flow

Airflow	Total External Static Pressure	Fluid Flow	Fluid Type	Altitude
2005 CFM	0.33 inH_2O	15.00 gpm	Water	0 ft

Cooling Performance

Fluid Temperature		Air Temperature				Capacity		Heat of Rejection	EER @ design	Fluid Pressure Drop
Entering °F	Leaving °F	Entering		Leaving		Total Btu/hr	Sensible Btu/hr	Btu/hr		ft H_2O
		Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F					
90.0	99.3	75.0	63.0	57.1	53.4	54716	39000	69942	12.3	10.19

Heating Performance

Fluid Temperature		Air Temperature		Capacity	Heat of Absorption Btu/hr	COP @ design	Fluid Pressure Drop ft H_2O
Entering °F	Leaving °F	Entering Dry Bulb °F	Leaving Dry Bulb °F	Total Btu/hr			
40.0	34.8	70.0	95.3	55029	39098	3.5	11.35

*System WPD is calculated without the autoflow valve as the CV of an autoflow valve varies dependent on the system WPD. As long as the WPD is >3 psid, the autoflow valve will provide the selected GPM flowrate.

Electrical

Unit Voltage	Minimum Voltage	Total Unit Full Load Current	Total Unit MCA
460/60/3	416 V	10.1 A	12.0 A
Compressor RLA	**Compressor LRA**	**Motor FLA**	**Maximum Recommended Fuse Size / HACR Breaker Size**
7.7 A	58.1 A	2.4 A	15 A

*Short-Circuit Current = 5 kA rms symmetrical, 600 V maximum

Physical

Unit

Length	Height	Width	Weight		Connection - FPT	
			Shipping	Operating	Water	Condensate
54.0 in	21.0 in	24.0 in	378 lb	313 lb	1.00 in	0.75 in

Fan

Motor Type	Motor Horsepower
PSC - Standard Static	0.75 hp

Sound

Radiated Sound Power (dB)

Configuration		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	dBA
Fan-Only	Ducted Discharge	82	75	73	73	72	71	66	79
	Free Inlet + Casing Radiated	75	74	68	66	65	60	52	72
Cooling	Ducted Discharge	82	75	73	73	72	71	66	79
	Free Inlet + Casing Radiated	76	76	68	67	65	61	54	73
Heating	Ducted Discharge	82	75	74	73	72	71	66	79
	Free Inlet + Casing Radiated	76	76	68	67	65	61	54	73

**Data based on sound measurements made in a reverberant room on representative units, 0.1" static pressure for constant cfm EC motors and constant torque EC motors with PWM signals for sizes 7-12. Nominal cfm for all other motors.*

Unit Options

Controls

Unit Control:	Microtech Unit Controller
Control Transformer:	50 VA Transformer
Thermostat / Sensor Control:	Thermostat Control
Alarm Relay:	Included
Freeze Fault Protection:	Not Selected

Unit Airflow Configuration

Return Air Location:	Left Hand
Discharge Air Location:	Straight

Factory Mounted Options

Heat Exchanger Options

Heat Exchanger:	Copper (Geothermal) Inner Tube / Steel Outer Tube
Auto Flow Regulator:	None Selected
Motorized Valve:	None Selected
Water Flow Switch:	None Selected

Electric Heat

Type:	None Selected

Waterside Economizer/Hydronic Coil

Type:	None Selected

Construction Options

Cabinet	
Finish:	Galvanized
Color:	Galvanized
Condensate Drain Pan	
Drain Pan Material:	Plastic
Filters	
Filter Rack Type:	4 in Rack (Bottom Access)
Filter Type:	4 in MERV 13 Filter
(Quantity) Nominal Filter Dimensions:	(1) 20 in x 33 in x 4 in
Insulation / Sound Package	
Compressor:	Sound Blanket
Compressor Side / Air Side	Sound Blanket + Sound Package (Dual Layer Fiberglass / Dual Layer Fiberglass)
Miscellaneous	
Sound Package:	Sound Package
Dehumidification:	None Selected
Coil Treatment:	None Selected
Unit Disconnect Switch:	None Selected

Water Pressure Drop Calculation

Base Unit Cool Pressure Drop:	10.19 ft H_2O
Base Unit Heat Pressure Drop:	11.35 ft H_2O
Total Cool Pressure Drop:	10.19 ft H_2O
Total Heat Pressure Drop:	11.35 ft H_2O

Warranty

Unit Warranty:	1st Year Labor Allowance

AHRI Certification

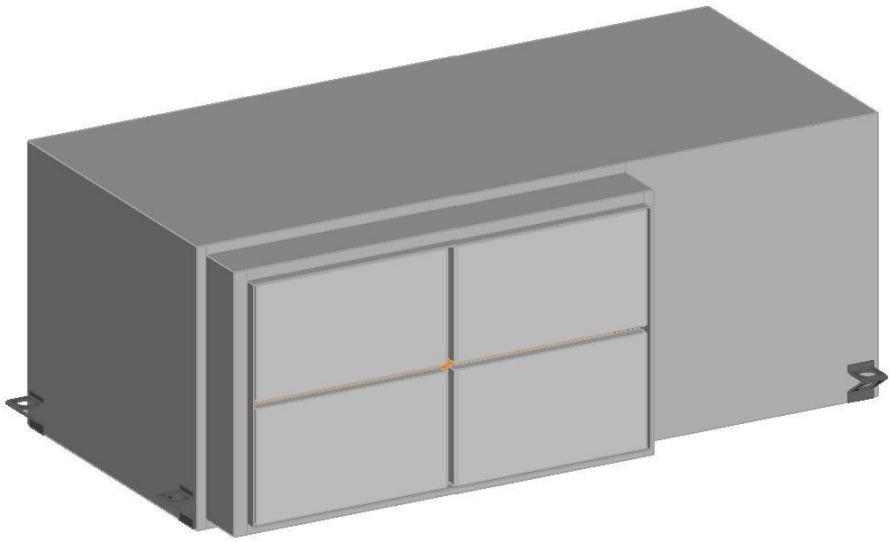
All equipment is rated and certified in accordance with AHRI / ISO 13256-1 and tested, investigated, and determined to comply with the requirements of the standards for Heating and Cooling Equipment UL 60335-2-40 Version 2 for the United States and CAN/CSA-C22.2 NO. 60335-2-40 Version 2 for Canada.

Accessories

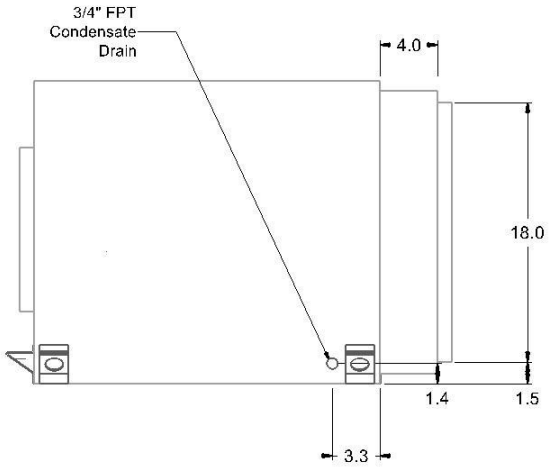
Optional

Part Number	Description
910186440	Hose, Kit Auto Flow, Strainer, Ball Vlv 1.0" x 3ft, 15.0 GPM

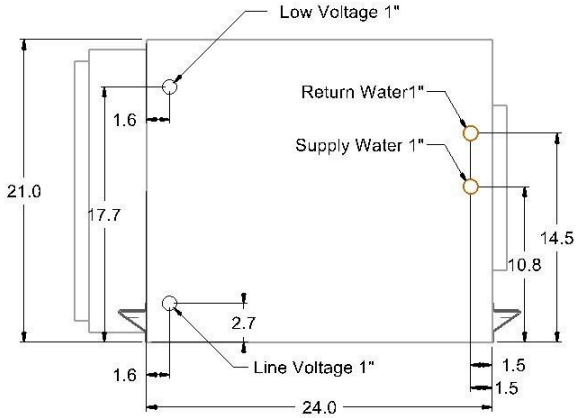




Model View



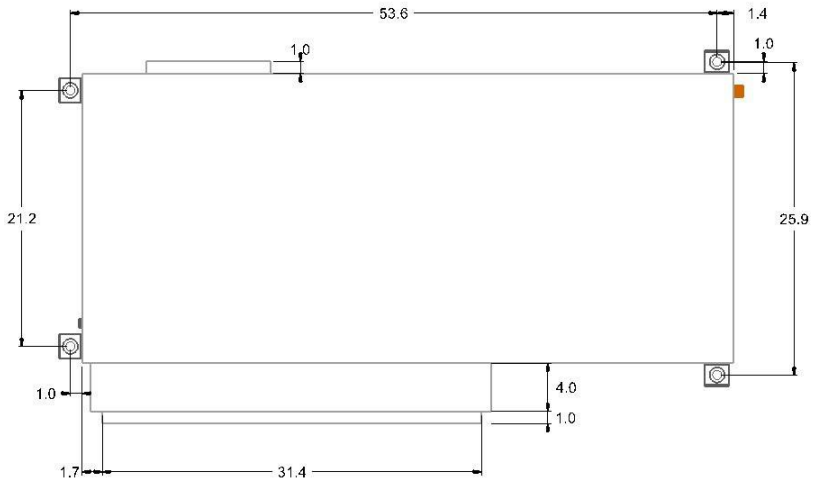
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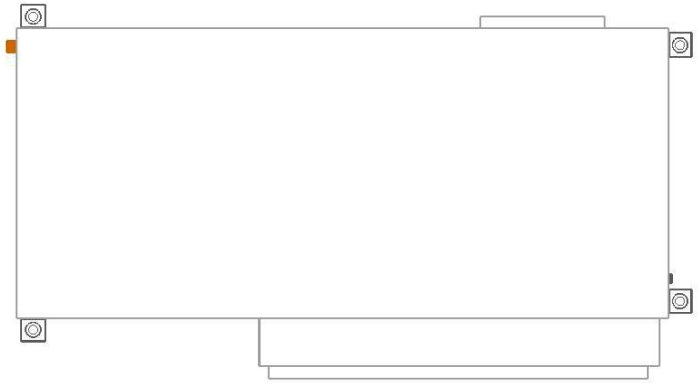
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Product Drawing	Unit Tag: HP-14			Sales Office: SVL INC			DAIKIN
Product:	Project Name: Dawson-Boyd 2026 HP-			Sales Engineer: Tom McCarty			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: WSCH060	Oct. 19, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: (in)	www.DaikinApplied.com Software Version: 15.30

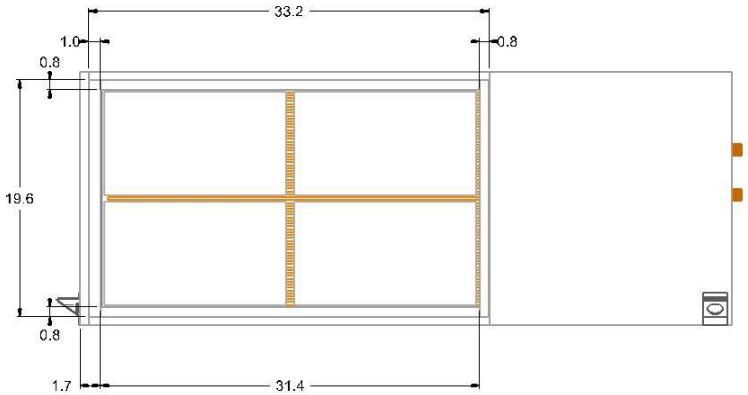
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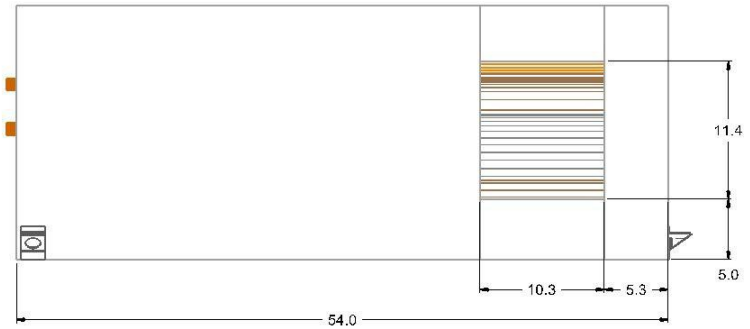
Top View



Bottom View



Left Side



Right Side

Product Drawing	Unit Tag: HP-14			Sales Office: SVL INC			DAIKIN
Product:	Project Name: Dawson-Boyd 2026 HP-			Sales Engineer: Tom McCarty			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: WSCH060	Oct. 19, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: (in)	www.DaikinApplied.com Software Version: 15.30

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Job Information	*Technical Data Sheet*
Job Name	Dawson-Boyd 2026 HP-14 15
Date	10/19/2026
Submitted By	Matt Davids
Software Version	15.30
Unit Tag	HP-15



Unit Overview

Model Number	Electrical V/Hz/Phase	Airflow CFM	Fluid Flow gpm	Cooling Capacity Btu/hr	Cooling Efficiency EER@AHRI	Cooling Efficiency EER@Design	Heating Capacity Btu/hr	Heating Efficiency COP@AHRI	Heating Efficiency COP@Design
WSCH060	460/60/3	2005	15.00	54716	15.9	12.3	55029	3.3	3.5

Unit

Model Number:	WSCH060
Unit Type:	SmartSource Compact - Single Stage
Approval:	ETL, CETL, AHRI

Configuration	Refrigerant Type	Refrigerant Weight	Loop Temperature Range
Horizontal	R-32	49.0 oz	Ground Loop (Geothermal)

Unit Performance

Air & Fluid Flow

Airflow	Total External Static Pressure	Fluid Flow	Fluid Type	Altitude
2005 CFM	0.33 inH_2O	15.00 gpm	Water	0 ft

Cooling Performance

Fluid Temperature		Air Temperature				Capacity		Heat of Rejection	EER @ design	Fluid Pressure Drop
Entering °F	Leaving °F	Entering		Leaving		Total Btu/hr	Sensible Btu/hr	Btu/hr		ft H_2O
		Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F					
90.0	99.3	75.0	63.0	57.1	53.4	54716	39000	69942	12.3	10.19

Heating Performance

Fluid Temperature		Air Temperature		Capacity	Heat of Absorption Btu/hr	COP @ design	Fluid Pressure Drop ft H_2O
Entering °F	Leaving °F	Entering Dry Bulb °F	Leaving Dry Bulb °F	Total Btu/hr			
40.0	34.8	70.0	95.3	55029	39098	3.5	11.35

*System WPD is calculated without the autoflow valve as the CV of an autoflow valve varies dependent on the system WPD. As long as the WPD is >3 psid, the autoflow valve will provide the selected GPM flowrate.

Electrical

Unit Voltage	Minimum Voltage	Total Unit Full Load Current	Total Unit MCA
460/60/3	416 V	10.1 A	12.0 A
Compressor RLA	**Compressor LRA**	**Motor FLA**	**Maximum Recommended Fuse Size / HACR Breaker Size**
7.7 A	58.1 A	2.4 A	15 A

*Short-Circuit Current = 5 kA rms symmetrical, 600 V maximum

Physical

Unit

Length	Height	Width	Weight		Connection - FPT	
			Shipping	Operating	Water	Condensate
54.0 in	21.0 in	24.0 in	378 lb	313 lb	1.00 in	0.75 in

Fan

Motor Type	Motor Horsepower
PSC - Standard Static	0.75 hp

Sound

Radiated Sound Power (dB)

Configuration		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	dBA
Fan-Only	Ducted Discharge	82	75	73	73	72	71	66	79
	Free Inlet + Casing Radiated	75	74	68	66	65	60	52	72
Cooling	Ducted Discharge	82	75	73	73	72	71	66	79
	Free Inlet + Casing Radiated	76	76	68	67	65	61	54	73
Heating	Ducted Discharge	82	75	74	73	72	71	66	79
	Free Inlet + Casing Radiated	76	76	68	67	65	61	54	73

**Data based on sound measurements made in a reverberant room on representative units, 0.1" static pressure for constant cfm EC motors and constant torque EC motors with PWM signals for sizes 7-12. Nominal cfm for all other motors.*

Unit Options

Controls

Unit Control:	Microtech Unit Controller
Control Transformer:	50 VA Transformer
Thermostat / Sensor Control:	Thermostat Control
Alarm Relay:	Included
Freeze Fault Protection:	Not Selected

Unit Airflow Configuration

Return Air Location:	Right Hand
Discharge Air Location:	Straight

Factory Mounted Options

Heat Exchanger Options

Heat Exchanger:	Copper (Geothermal) Inner Tube / Steel Outer Tube
Auto Flow Regulator:	None Selected
Motorized Valve:	None Selected
Water Flow Switch:	None Selected

Electric Heat

Type:	None Selected

Waterside Economizer/Hydronic Coil

Type:	None Selected

Construction Options

Cabinet	
Finish:	Galvanized
Color:	Galvanized
Condensate Drain Pan	
Drain Pan Material:	Plastic
Filters	
Filter Rack Type:	4 in Rack (Bottom Access)
Filter Type:	4 in MERV 13 Filter
(Quantity) Nominal Filter Dimensions:	(1) 20 in x 33 in x 4 in
Insulation / Sound Package	
Compressor:	Sound Blanket
Compressor Side / Air Side	Sound Blanket + Sound Package (Dual Layer Fiberglass / Dual Layer Fiberglass)
Miscellaneous	
Sound Package:	Sound Package
Dehumidification:	None Selected
Coil Treatment:	None Selected
Unit Disconnect Switch:	None Selected

Water Pressure Drop Calculation

Base Unit Cool Pressure Drop:	10.19 ft H_2O
Base Unit Heat Pressure Drop:	11.35 ft H_2O
Total Cool Pressure Drop:	10.19 ft H_2O
Total Heat Pressure Drop:	11.35 ft H_2O

Warranty

Unit Warranty:	1st Year Labor Allowance

AHRI Certification

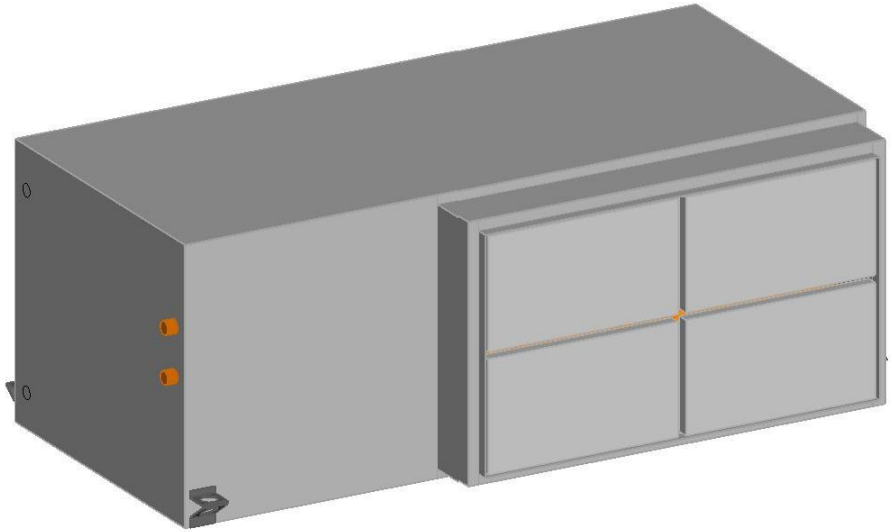
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Accessories

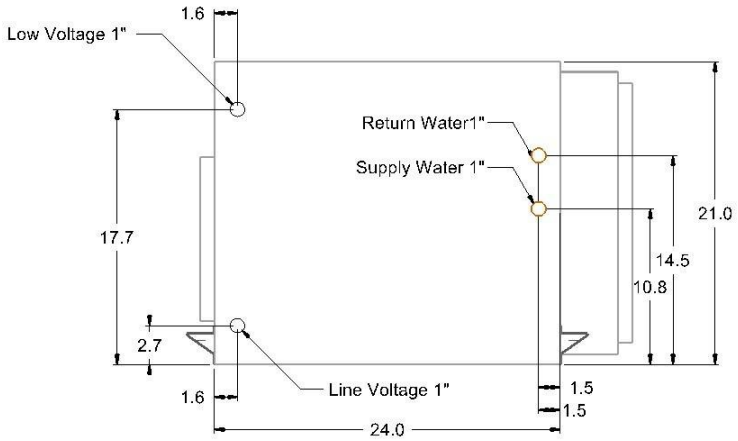
Optional

Part Number	Description
910186440	Hose, Kit Auto Flow, Strainer, Ball Vlv 1.0" x 3ft, 15.0 GPM

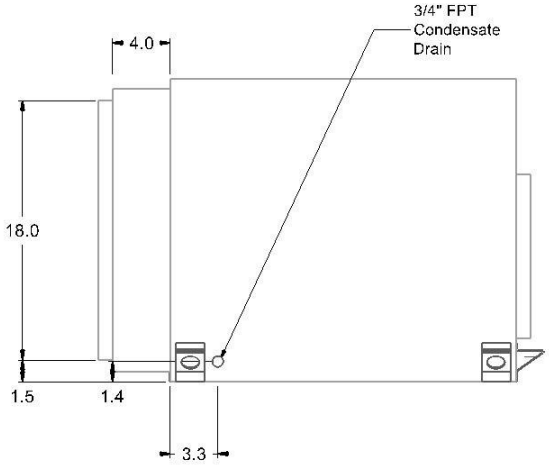




Model View



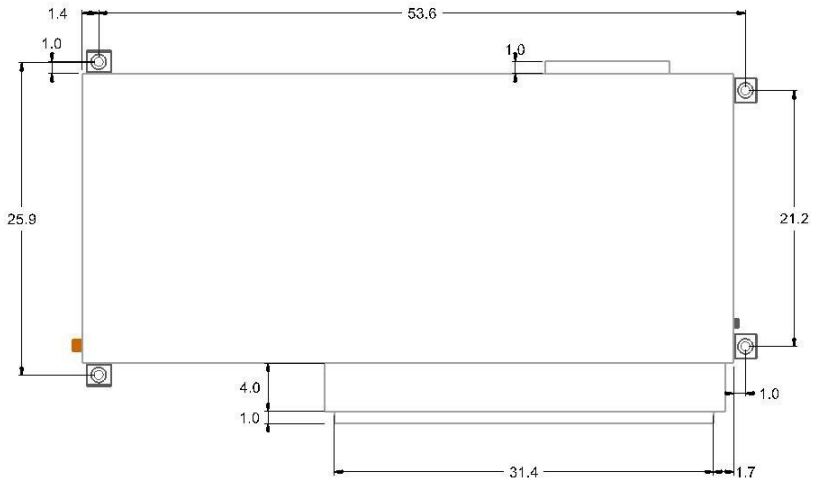
Front



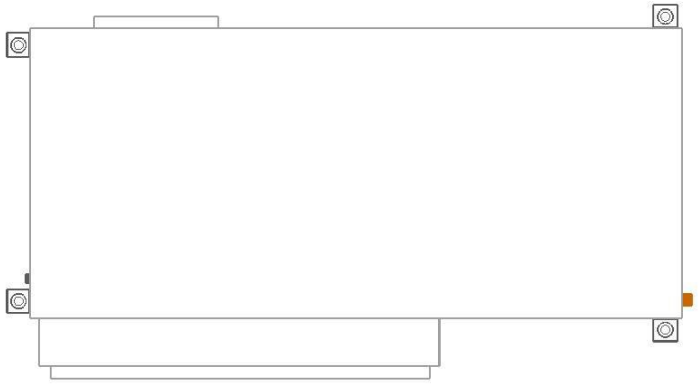
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Product Drawing	Unit Tag: HP-15			Sales Office: SVL INC			DAIKIN
Product:	Project Name: Dawson-Boyd 2026 HP-			Sales Engineer: Tom McCarty			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: WSCH060	Oct. 19, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: (in)	www.DaikinApplied.com Software Version: 15.30

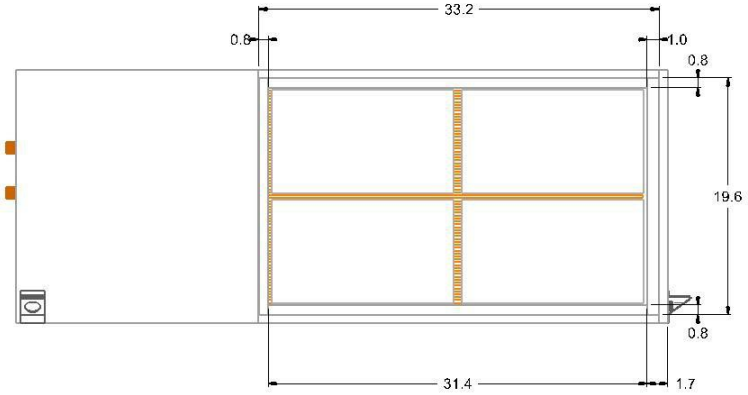
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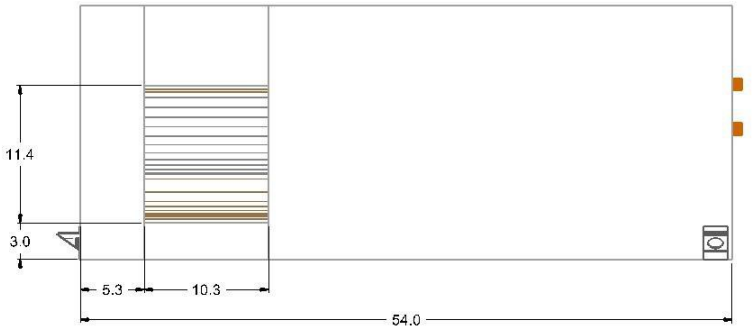
Top View



Bottom View



Right Side



Left Side

Product Drawing	Unit Tag: HP-15			Sales Office: SVL INC			DAIKIN
Product:	Project Name: Dawson-Boyd 2026 HP-			Sales Engineer: Tom McCarty			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: WSCH060	Oct. 19, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: (in)	www.DaikinApplied.com Software Version: 15.30

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Job Information	*Technical Data Sheet*
Job Name	Dawson-Boyd 2026 HP-14 15
Date	10/19/2026
Submitted By	Matt Davids
Software Version	15.30
Unit Tag	HP-14 001



Unit Overview

Model Number	Electrical V/Hz/Phase	Airflow CFM	Fluid Flow gpm	Cooling Capacity Btu/hr	Cooling Efficiency EER@AHRI	Cooling Efficiency EER@Design	Heating Capacity Btu/hr	Heating Efficiency COP@AHRI	Heating Efficiency COP@Design
WSMH060	460/60/3	1812	15.00	53911	16.0	12.4	58002	3.3	3.7

Unit

Model Number:	WSMH060
Unit Type:	SmartSource Plus - Single Stage
Approval:	ETL, CETL, AHRI

Configuration	Refrigerant Type	Refrigerant Weight	Loop Temperature Range
Horizontal	R-32	53.0 oz	Ground Loop (Geothermal)

Unit Performance

Air & Fluid Flow

Airflow	Total External Static Pressure	Fluid Flow	Fluid Type	Altitude
1812 CFM	0.00 inH_2O	15.00 gpm	Water	0 ft

Cooling Performance

Fluid Temperature		Air Temperature				Capacity		Heat of Rejection Btu/hr	EER @ design	Fluid Pressure Drop ft H_2O
Entering °F	Leaving °F	Entering		Leaving		Total Btu/hr	Sensible Btu/hr			
		Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F					
90.0	99.2	75.0	63.0	55.2	52.4	53911	38857	68800	12.4	11.20

Heating Performance

Fluid Temperature		Air Temperature		Capacity	Heat of Absorption Btu/hr	COP @ design	Fluid Pressure Drop ft H_2O
Entering °F	Leaving °F	Entering	Leaving	Total Btu/hr			
		Dry Bulb °F	Dry Bulb °F				
40.0	34.4	70.0	99.5	58002	42348	3.7	12.47

*System WPD is calculated without the autoflow valve as the CV of an autoflow valve varies dependent on the system WPD. As long as the WPD is >3 psid, the autoflow valve will provide the selected GPM flowrate.

Electrical

Unit Voltage	Minimum Voltage	Total Unit Full Load Current	Total Unit MCA
460/60/3	416 V	9.5 A	11.4 A

Compressor RLA	Compressor LRA	Motor FLA	Maximum Recommended Fuse Size / HACR Breaker Size
7.7 A	58.1 A	1.8 A	15 A

*Short-Circuit Current = 5 kA rms symmetrical, 600 V maximum

Physical

Unit

Length	Height	Width	Weight		Connection - FPT	
			Shipping	Operating	Water	Condensate
64.9 in	21.0 in	23.9 in	387 lb	314 lb	1.00 in	0.75 in

Fan

Motor Type	Motor Horsepower
PSC - Standard Static	0.50 hp

Sound

Radiated Sound Power (dB)

Configuration		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	dBA
Fan-Only	Ducted Discharge	76	69	70	69	66	66	59	74
	Free Inlet + Casing Radiated	72	69	67	65	61	58	52	70
Cooling	Ducted Discharge	77	69	70	69	66	66	60	74
	Free Inlet + Casing Radiated	74	72	67	66	62	59	54	71
Heating	Ducted Discharge	77	70	70	70	66	66	59	74
	Free Inlet + Casing Radiated	74	72	67	66	62	59	54	71

**Data based on sound measurements made in a reverberant room on representative units, 0.1" static pressure for constant cfm EC motors and constant torque EC motors with PWM signals for sizes 7-12. Nominal cfm for all other motors.*

Unit Options

Controls

Unit Control:	Microtech Unit Controller
Control Transformer:	75 VA Transformer
Thermostat / Sensor Control:	Thermostat Control
Alarm Relay:	Included
Freeze Fault Protection:	Not Selected

Unit Airflow Configuration

Return Air Location:	Left Hand
Discharge Air Location:	Straight

Factory Mounted Options

Heat Exchanger Options

Heat Exchanger:	Copper (Geothermal) Inner Tube / Steel Outer Tube
Auto Flow Regulator:	None Selected
Motorized Valve:	None Selected
Water Flow Switch:	None Selected

Electric Heat

Type:	None Selected

Waterside Economizer/Hydronic Coil

Type:	None Selected

Construction Options

Cabinet	
Finish:	Galvanized
Color:	Galvanized
Condensate Drain Pan	
Drain Pan Material:	Plastic
Filters	
Filter Rack Type:	4 in Rack (Bottom Access)
Filter Type:	4 in MERV 13 Filter
(Quantity) Nominal Filter Dimensions:	(2) 20 in x 45 in x 4 in
Insulation / Sound Package	
Compressor:	Sound Blanket
Compressor Side / Air Side	Sound Blanket + Sound Package (Dual Layer Fiberglass / Dual Layer Fiberglass)
Miscellaneous	
Sound Package:	Sound Package
Dehumidification:	Hot Gas Reheat
Coil Treatment:	None Selected
Unit Disconnect Switch:	None Selected

Water Pressure Drop Calculation

Base Unit Cool Pressure Drop:	11.20 ft H_2O
Base Unit Heat Pressure Drop:	12.47 ft H_2O
Total Cool Pressure Drop:	11.20 ft H_2O
Total Heat Pressure Drop:	12.47 ft H_2O

Warranty

Unit Warranty:	1st Year Labor Allowance

AHRI Certification

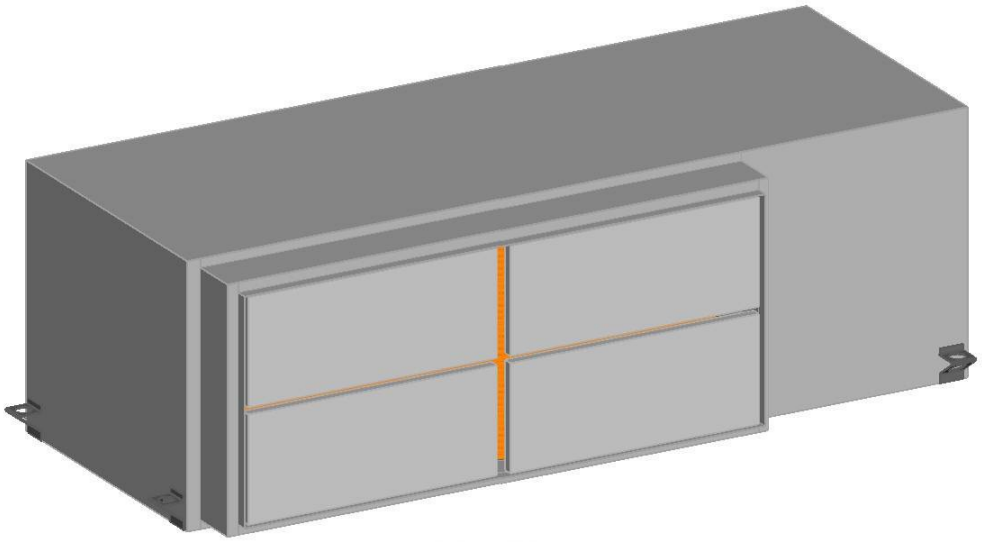
All equipment is rated and certified in accordance with AHRI / ISO 13256-1 and tested, investigated, and determined to comply with the requirements of the standards for Heating and Cooling Equipment UL 60335-2-40 Version 2 for the United States and CAN/CSA-C22.2 NO. 60335-2-40 Version 2 for Canada.

Accessories

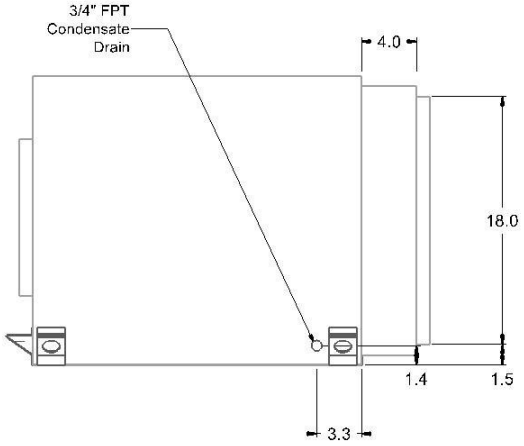
Optional

Part Number	Description
910186440	Hose, Kit Auto Flow, Strainer, Ball Vlv 1.0" x 3ft, 15.0 GPM

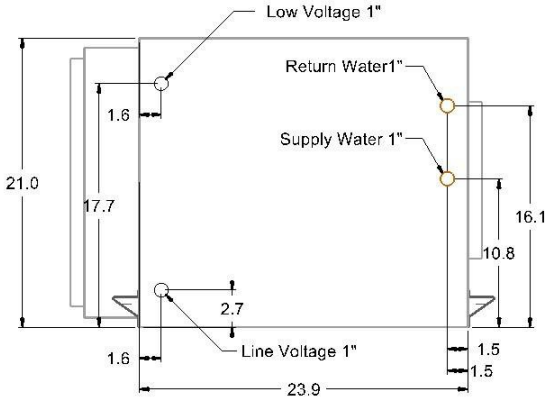




Model View



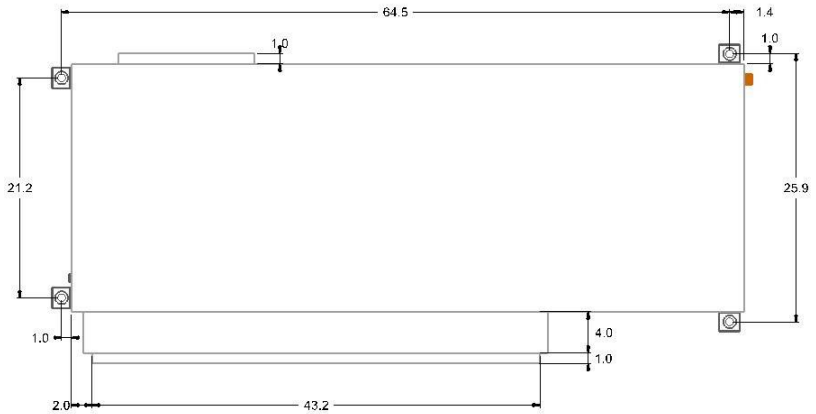
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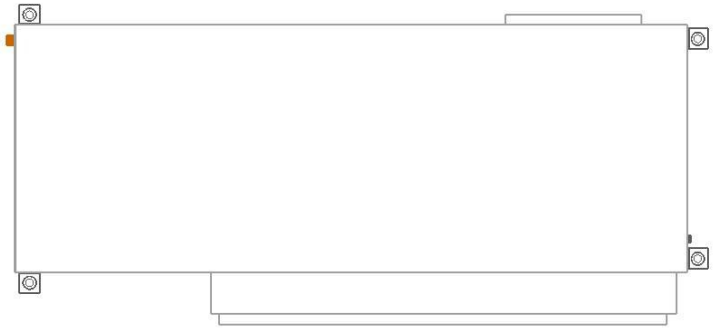
Front

Product Drawing	Unit Tag: HP-14 001			Sales Office: SVL INC			DAIKIN
Product:	Project Name: Dawson-Boyd 2026 HP-			Sales Engineer: Tom McCarty			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: WSMH060	Oct. 19, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: (in)	www.DaikinApplied.com Software Version: 15.30

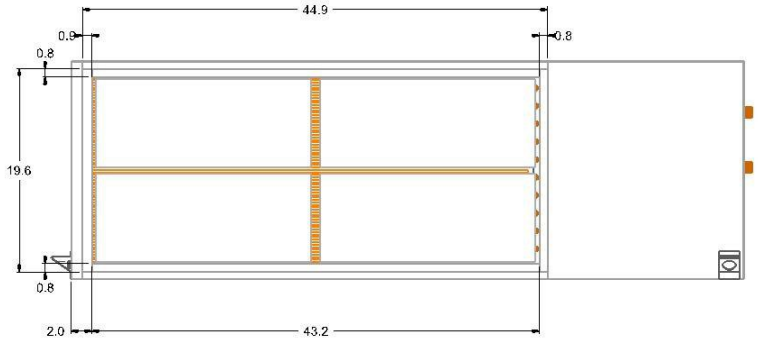
No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.



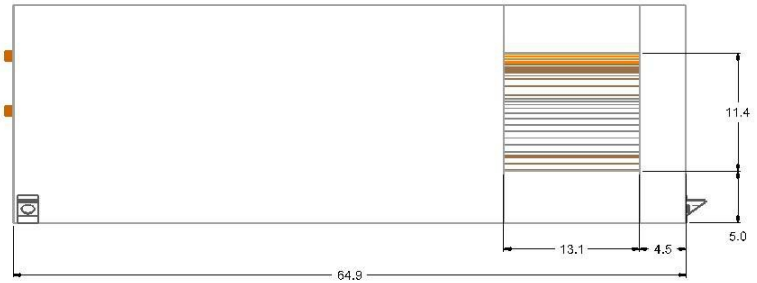
Top View



Bottom View



Left Side



Right Side

Product Drawing	Unit Tag: HP-14 001			Sales Office: SVL INC			DAIKIN
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