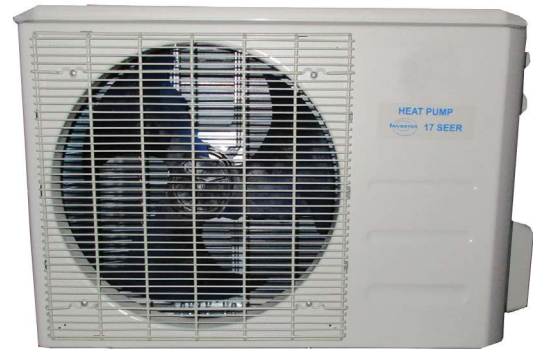


Single Zone Mini Splits Heat Pump 16-19 SEER

16-19
SEER
MINI-
SPLITS

Features

- **Service Friendly**
 - *Check status of operating data
 - *Easy access to components
 - *Indoor unit can be adjusted after mounting
 - *Self-Cleaning
 - *Compressor heater
 - *Setup selections for customized operation
- **Smaller indoor units**
- **Improve Comfort**
 - *Higher CFM
 - *Variable indoor fan speeds with off function
 - *Anti-Cold function
 - *Quieter Operation
 - *Illuminated Display can be disabled
 - *Adjustable louvers
- **Auto Restart**
- **Turbo Fan – faster heating and cooling**
- **Self Diagnostics**
- **Auto Defrosting**
- **Refrigerant Leak Detection**
- **Freeze Protection Mode** - Allows heating setpoint of 46(deg)F for extended periods when occupants are away (ie vacation homes).
- **Follow-Me Mode** - allows remote temperature sensing at the remote control or optional wall control
- **Optional Wired Wall Control**
- **Outdoor Operating Range:(cool/heat) : 5° ~ 122° / 5°~ 86°**
- **Economical Operation**
 - *Inverter Technology
 - *Timer Selection
 - *Sleep Function
 - *Silence Function



WCM1 244-0001
Optional Wall Control
*compatible with all models listed below

Remote Control
Included

OUTDOOR	INDOOR	SEER	EER	HSPF	VOLTAGE	COP	COOLING BTU	HEATING BTU	LIQUID LINE	SUCTION LINE	MAX PIPE LENGTH	MAX VERT LIFT
9H49YOMI	9H49YIMI	19.0	11.5	10.0	115V	3.11	9,000	10,000	1/4"	3/8"	82'	33'
12H49YOMI	12H49YIMI	19.0	10.5	9.5	115V	3.43	12,000	12,000	1/4"	1/2"	82'	33'
18H49ZOMI	18H49ZIMI	19.0	11.0	10.0	208/230V	3.1	18,000	18,000	1/4"	1/2"	98'	66'
24H47ZOMI	24H47ZIMI	17.0	9.5	9.5	208/230V	3.2	24,000	25,000	3/8"	5/8"	98'	66'
30H48ZOMI	30H48ZIMI	18.0	10.5	9.6	208/230V	2.83	30,000	30,000	3/8"	5/8"	164'	82'
36H46ZOMI	36H46ZIMI	16.0	8.5	10.0	208/230V	2.75	36,000	36,000	3/8"	5/8"	213'	98'

Single Zone Mini Splits 16-19 SEER Heat Pump Unit Specifications



PRODUCT CODE MODEL NUMBER		244-1501 9H49YMI	244-1502 12H49YMI	244-1504 18H49ZMI	
AHRI Reference Number		8752724	8740680	8740682	
POWER SUPPLY	V-Hz-Ph	115V~ 60Hz ,1Ph	115V~ 60Hz ,1Ph	208-230V~60Hz ,1Ph	
MINIMUM CIRCUIT AMPACITY	A	15	15	15	
BREAKER SIZE	A	15	15	20	
Cooling	Capacity	Btu/h	9000	12000	18000
	Input	W	782	1020	1645
	Rated current	A	6.8	8.87	7.35
	EER	Btu/w	11.5	10.5	11
	SEER	Btu/w	19	19	19
Heating	Capacity	Btu/h	10000	12000	18000
	Input	W	925	1026	1700
	Rated current	A	8.1	8.93	7.4
	COP	W/W	3.11	3.43	3.1
	HSPF (Region IV)	Btu/w	10	9.5	10.0
Compressor	Model		KSK103D33UEZ3	KSK103D33UEZ3	KSN140D21UFZ
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	3100	3100	4370
	Input	W	790	790	1135
	Rated current(RLA)	A	11.5	6.8	10.0
	Heating Belt		Yes	Yes	Yes
	Refrigerant oil/oil charge	ml	ESTER OIL VG74-310	ESTER OIL VG74-310	VG74/440
INDOOR DATA PRODUCT CODE MODEL NUMBER		244-1501-E 9H49YIMI	244-1502-E 12H49YIMI	244-1504-E 18H49ZIMI	
Indoor fan motor	Model		ZKFP-20-8-113	ZKFP-20-8-113	ZKFP-30-8-3
	Brand		Welling	Welling	Welling
	Output	W	20(Output)	20 (output)	36
	RLA	A	0.25	0.25	0.4
	Speed(Hi/Mi/Lo)	r/min	1050/850/600	1100/850/750	1100/800/750
	Indoor air flow (Hi/med/Lo)	CFM	247/182/129	294/212/171	450/393/262
	Indoor noise level (Hi/Lo)	dB(A)	38/32/25	38/30/28	43/30.5
Indoor unit	Dimension(W*D*H)	inch	28.43x7.36x11.42	31.57 x 7.44 x 11.69	37.99x8.46x12.56
	Packing (W*D*H)	inch	31.10x10.63x14.76	34.45 x 11.22 x 14.76	41.14x12.01x16.14
	Net/Gross weight	lbs.	16.5/20.9	18.96 / 24.91	24.03/32.19
OUTDOOR DATA PRODUCT CODE MODEL NUMBER		244-1501-C 9H49YOMI	244-1502-C 12H49YOMI	244-1504-C 18H49ZOMI	
Outdoor fan motor	Model		ZKFN-34-8-1-3	ZKFN-34-8-1-3	ZKFN-34-8-1-3
	Output	W	34	34	34
	RLA	A	0.4	0.4	0.5
	Speed	r/min	850	800	800
	Outdoor air flow	CFM	1176	1176	1176
	Outdoor noise level	dB(A)	52	55	57.5
	Metering Device		Capillary Assembly	Capillary Assembly	Capillary Assembly
Outdoor unit	Dimension(W*D*H)	inch	30.31 X 11.81 X 21.85	31.50 x 13.11 x 21.81	31.50x13.11x21.81
	Packing (W*D*H)	inch	35.43x13.58x23.43	36.22 x 15.35 x 24.21	36.22x15.35x24.21
	Net/Gross weight	lbs.	66.8/71.87	70.33 / 76.28	79.81/85.76
	Refrigerant type	oz	R410A/30	R410/29.63	R410A/44.09
	Refrigerant pre-charged	ft	25	25	25
	Additional charge for each ft	oz	0.161	0.161	0.161
	Design pressure	PSIG	550/340 PSIG	550/340	550/340 PSIG
Refrigerant piping	Liquid side/ Gas side	inch	1/4"/3/8"	1/4 " / 1/2"	1/4"/1/2"
	Max. refrigerant pipe length	ft	82	82	98
	Max. difference in level	ft	33	33	66
Wire Size / No. of Conductors		14 AWG / 4C (Recommended)	14 AWG / 4C (Recommended)	14 AWG / 4C (Recommended)	
Electrical Shock Protection		I	I	I	
Indoor selection range remote	°F	62~90	62~90	62~90	
Remote Control		YES	YES	YES	
Wall Control (Optional)		YES	YES	YES	
Outdoor Operating range (cool/heat)	°F	5° ~ 122° / 5°~ 86°	5° ~ 122° / 5°~ 86°	5° ~ 122° / 5°~ 86°	

Single Zone Mini Splits 16-19 SEER Heat Pump Unit Specifications

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PRODUCT CODE		244-1505	244-1406	244-1407	
MODEL NUMBER		24H47ZMI	30H48ZMI	36H46ZMI	
AHRI Reference Number		8740683	8740684	8740685	
POWER SUPPLY	V-Hz-Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	
MINIMUM CIRCUIT AMPACITY	A	20	20	25	
BREAKER SIZE	A	25	30	35	
Cooling	Capacity	Btu/h	24000	30000	36000
	Input	W	2500	2857	4235
	Rated current	A	11	12.5	18.5
	EER	Btu/w	9.5	10.5	8.5
	SEER	Btu/w	17	18	16
Heating	Capacity	Btu/h	24000	30000	36000
	Input	W	2200	3110	3835
	Rated current	A	9.6	13.5	16.7
	COP	W/W	3.2	2.83	2.75
	HSPF (Region IV)	Btu/w	9.5	9.6	10
Moisture Removal	Pnts/h	0	6.3	8	
Compressor	Model		KTM240D57UMT	ATF250D22UMT	ATF250D22UMT
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	7715	25760	25760
	Input	W	2085	2070	2070
	Rated current(RLA)	A	15	15	17
	Heating Belt		Yes	Yes	Yes
	Refrigerant oil/oil charge	ml	ESTER OIL VG74/670	ESTER OIL VG74/670	ESTER OIL VG74/670
INDOOR DATA PRODUCT CODE		244-1505-E	244-1406-E	244-1407-E	
MODEL NUMBER		24H47ZIMI	30H48ZIMI	36H46ZIMI	
Indoor fan motor	Model		ZKFP-58-8-1	ZKFP-58-8-1	ZKFP-58-8-1
	Brand		Brand Ocean	Welling	Welling
	Output	W	60	58	58
	RLA	A	0.5	0.5	0.5
	Speed(Hi/Mi/Lo)	r/min	1100/900/750	1200/1050/950	1200/1050/750
	Indoor air flow (Hi/Mi/Lo)	CFM	706/588/450	795/618/471	853/647/471
	Indoor noise level (Hi/Lo)	dB(A)	48/34	52.5/-/44.5	54.5/-/38.5
Indoor unit	Dimension(W*D*H)	inch	42.52x8.90x13.19	49.57x11.10x14.25	49.57x11.10x14.25
	Packing (W*D*H)	inch	45.47x16.34x12.60	52.76x17.72x14.96	52.76x17.72x14.96
	Net/Gross weight	lbs.	30.2/39.68	43.2/55.6	43.2/55.6
OUTDOOR DATA PRODUCT CODE		244-1505-C	244-1406-C	244-1407-EC	
MODEL NUMBER		24H47ZOMI	30H48ZOMI	36H46ZOMI	
Outdoor fan motor	Model		ZKFN-50-8-2-3	ZKFN-120-8-2	ZKFN-120-8-2
	Brand			Welling	Welling
	Output	W	115	120	120
	RLA	A	0.6	0.6	0.6
	Speed	r/min	800	810	810
	Outdoor air flow	CFM	1823	2530	2943
	Outdoor noise level	dB(A)	58	62	63
	Metering Device		Capillary Assembly	Electronic Expansion Valve	Electronic Expansion Valve
Outdoor unit	Dimension(W*D*H)	inch	33.27x14.92x27.64	37.24x16.54x31.89	37.24x16.54x31.89
	Packing (W*D*H)	inch	38.00x15.55x30.51	42.91x19.69x34.06	42.91x19.69x34.06
	Net/Gross weight	lbs.	105.16/112.22	137.79/147.71	143.3/153.22
	Refrigerant type	oz	R410A/62.79	R410A/97.0	R410A/119.9
	Refrigerant pre-charged	ft	25	25	25
	Additional charge for each ft	oz	0.322	0.322	0.322
Design pressure	PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	
Refrigerant piping	Liquid side/ Gas side	inch	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"
	Max. refrigerant pipe length	ft	98	164	213
	Max. difference in level	ft	66	82	98
Wire Size / No. of Conductors		14 AWG / 4C (Recommended)	14 AWG / 4C (Recommended)	14 AWG / 4C (Recommended)	
Electrical Shock Protection		I	I	I	
Indoor selection range remote	°F	62~90	62~86	62~86	
Remote Control		YES	YES	YES	
Wall Control (Optional)		YES	YES	YES	
Outdoor Operating range (cool/heat)	°F	5° ~ 122° / 5°~ 86°	5° ~ 122° / 5°~ 86°	5° ~ 122° / 5°~ 86°	