



Submittal Data Sheet

Series Name: Olympus E Star
Model Number: O-ES-09-HP-C-230C-01 / O-09-HP-WMAH-230C-0

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	441.4/323.7/229.6/176.6/147.2
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	38/38/33/20.5/19.5
Dimension (W×D×H)	inch	33.74 x 9.09 x 11.81
	mm	857 x 231 x 300
Package (W×D×H)	inch	36.22 x 12.20 x 14.57
	mm	920 x 310 x 370
Net/Gross Weight	lbs	23.37/29.98
	kg	10.6/13.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTN110D42UFZ
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	350
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1470.6
Outdoor Noise Level	dBA	56
Dimension (W×D×H)	inch	31.69 x 12.99 x 21.81
	mm	805 x 330 x 554
Package (W×D×H)	inch	36.02 x 14.57 x 24.21
	mm	915 x 370 x 615
Net/Gross Weight	lbs	72.75/78.70
	kg	33/35.7

EFFICIENCY			
Cooling		Heating	
SEER2	27.4	HSPF2-4	12.5
EER2	15.4	COP	3.76

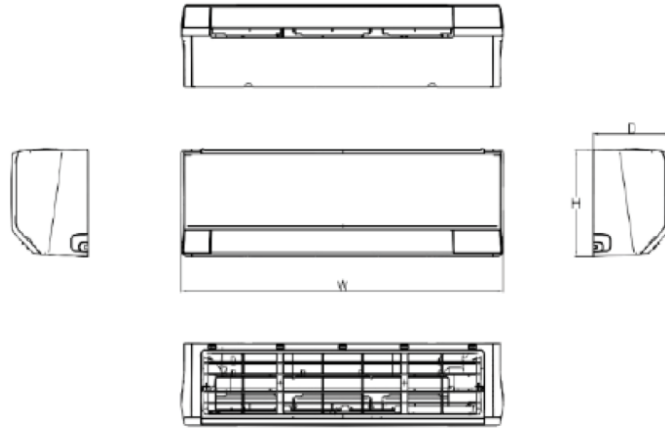
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated Capacity	9000		
Min/Max Capacity	3800	13500	
Moisture Removal(L/h)	0.3		
Standard Operating Range(°F/°C)	-22~122 (-30~50)		
Conditions:	Indoor: 80°F DB/67°F WB		
	Outdoor: 95°F DB/75°F WB		

PERFORMANCE of Heating			
Heating (Btu/hr)			
1. @ 47°F Rated		12000	
1. @ 47°F Min/Max Capacity		3800	16000
2. @ 17°F Rated		9800	
3. @ 5°F Rated: Capacity / COP		11500	1.8
3. @ 5°F Max: Capacity		11500	
Standard Operating Range(°F/°C)		-22~75 (-30~24)	
1. Conditions:		Indoor: 70°F DB/60°F WB	
		Outdoor: 47°F DB/43°F WB	
2. Conditions:		Indoor: 70°F DB/60°F WB	
		Outdoor: 17°F DB/15°F WB	
3. Conditions		Indoor: 70°F DB/60°F WB	
		Outdoor: 5°F DB/5°F WB	

ELECTRICAL		
Power Supply	V, Hz, Ph	208/230V, 60Hz, 1Ph
System MCA	A	15
Connection Wiring	-	14#x4
System MOCP	A	15
Compressor RLA	A	10.4
Outdoor Fan Motor RLA	A	0.6
Outdoor Fan Motor	W	34
Indoor Fan Motor RLA	A	0.5
Indoor Fan Motor	W	20
System Power Input @ Cooling	W	580(127~1180)
System Power Input @ Heating	W	935(225~1400)

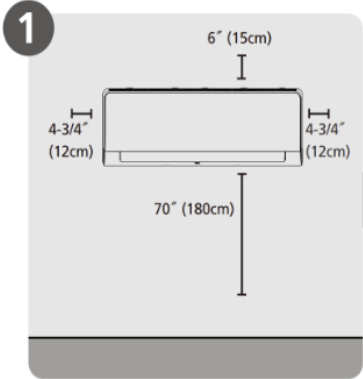
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	EXV
Liquid Size	mm (in)	6.35mm (1/4in)
Gas Size	mm (in)	9.52mm (3/8in)
Max. Piping Length	ft (m)	82 (25)
Max. Height Difference	ft (m)	49.2 (15)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	35.27 (1)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.16 (15)
Connection Method		Flared

Indoor Unit Dimension

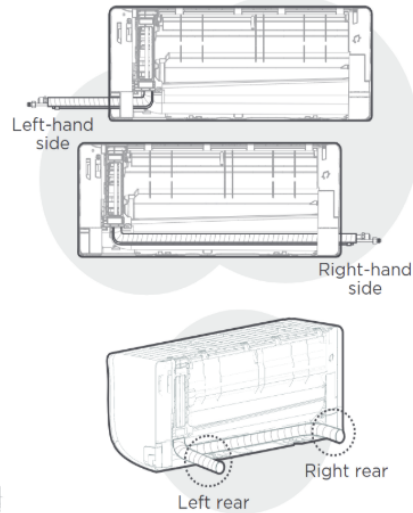


Capacity	Body Code	Unit	W	D	H
9K~12K	B	mm	857	231	300
		inch	33-3/4	9-1/8	11-3/4
18K	C	mm	1024	246	321
		inch	40-1/4	9-3/4	12-5/8
24K	D	mm	1197	280	371
		inch	47-1/8	11	14-5/8

Installation Instruction

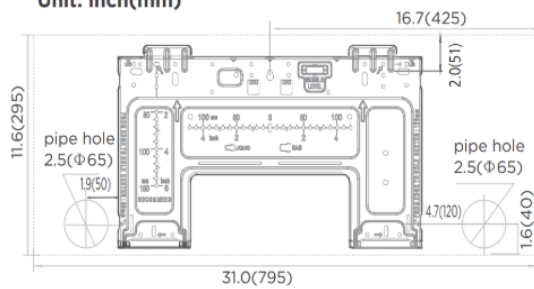


Select Installation Location



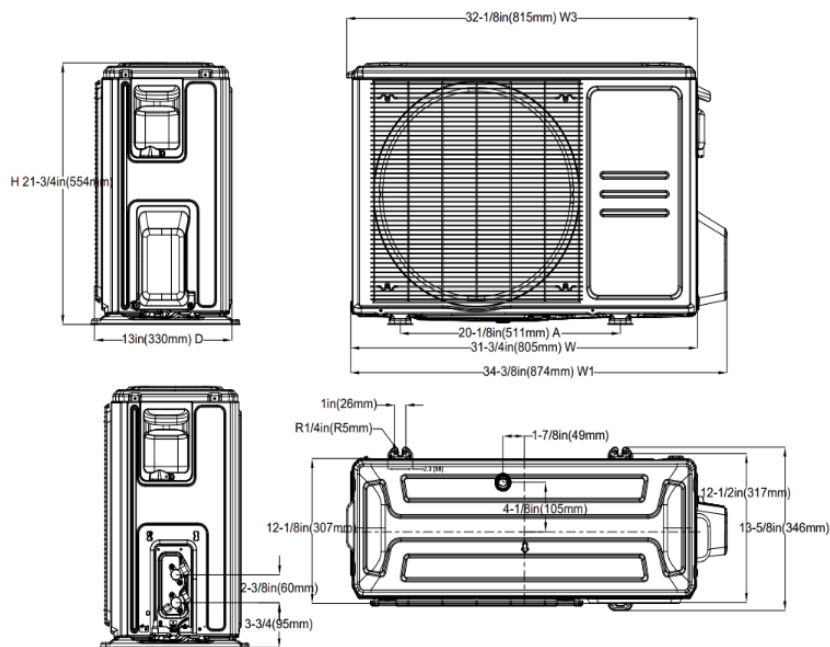
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

Unit: inch(mm)

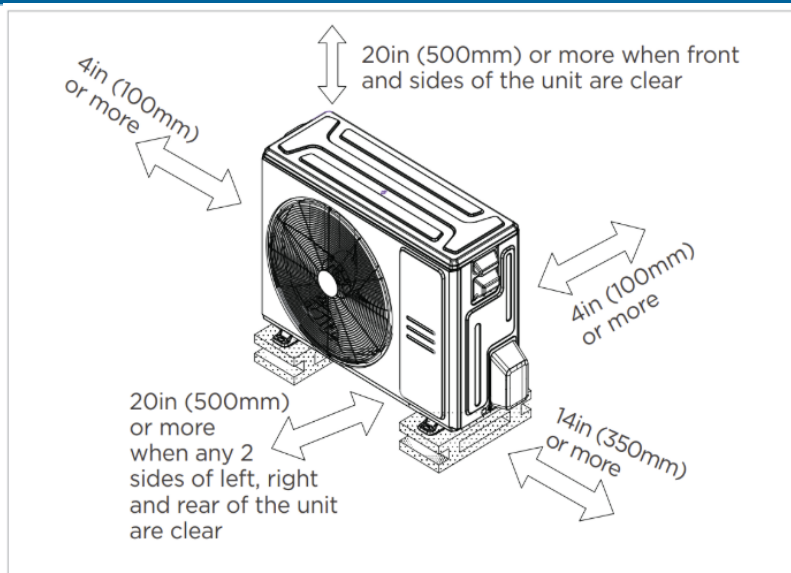


NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm

Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.

FEATURES

- Indoor unit TU1 copper coil
- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller



Submittal Data Sheet

Series Name: Olympus E Star
Model Number: O-ES-18-HP-C-230C-01 / O-18-HP-WMAH-230C-0

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	635.7/500.3/359/294.3/294.3
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	49.5/45/38/31.5/19.5
Dimension (W×D×H)	inch	40.31 x 9.69 x 12.64
	mm	1024 x 246 x 321
Package (W×D×H)	inch	43.11 x 12.8 x 15.75
	mm	1095 x 325 x 400
Net/Gross Weight	lbs	27.34/36.6
	kg	12.4/16.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	620
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1764.7
Outdoor Noise Level	dBA	59
Dimension (W×D×H)	inch	35.04 x 13.46 x 26.5
	mm	890 x 342 x 673
Package (W×D×H)	inch	39.17 x 15.67 x 29.13
	mm	995 x 398 x 740
Net/Gross Weight	lbs	99.87/107.8
	kg	45.3/48.9

EFFICIENCY			
Cooling		Heating	
SEER2	21.4	HSPF2-4	11.0
EER2	12.5	COP	3.26

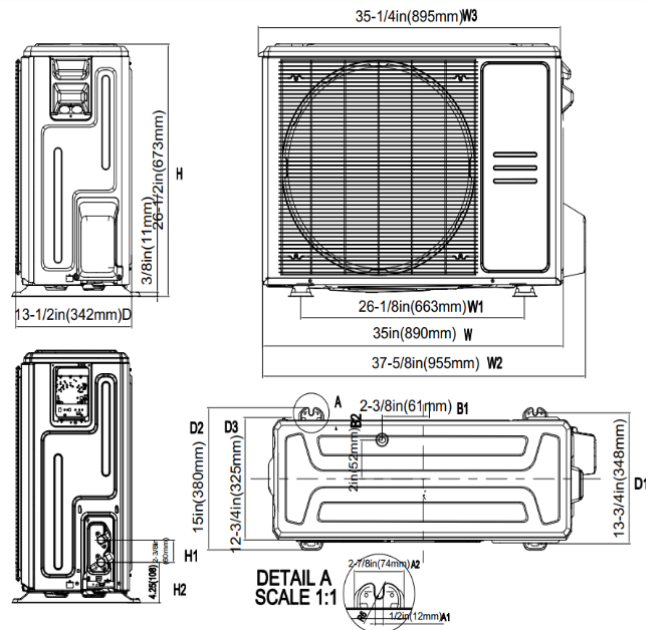
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated Capacity		18000	
Min/Max Capacity		8800	19400
Moisture Removal(L/h)		2.2	
Standard Operating Range(°F/°C)		-22~122 (-30~50)	
Conditions:		Indoor: 80°F DB/67°F WB	
		Outdoor: 95°F DB/75°F WB	

PERFORMANCE of Heating			
Heating (Btu/hr)			
1. @ 47°F Rated		18000	
1. @ 47°F Min/Max Capacity		11200	19500
2. @ 17°F Rated		16600	
3. @ 5°F Rated: Capacity / COP		18000	1.92
3. @ 5°F Max: Capacity		18000	
Standard Operating Range(°F/°C)		-22~75 (-30~24)	
1. Conditions:		Indoor: 70°F DB/60°F WB	
		Outdoor: 47°F DB/43°F WB	
2. Conditions:		Indoor: 70°F DB/60°F WB	
		Outdoor: 17°F DB/15°F WB	
3. Conditions		Indoor: 70°F DB/60°F WB	
		Outdoor: 5°F DB/5°F WB	

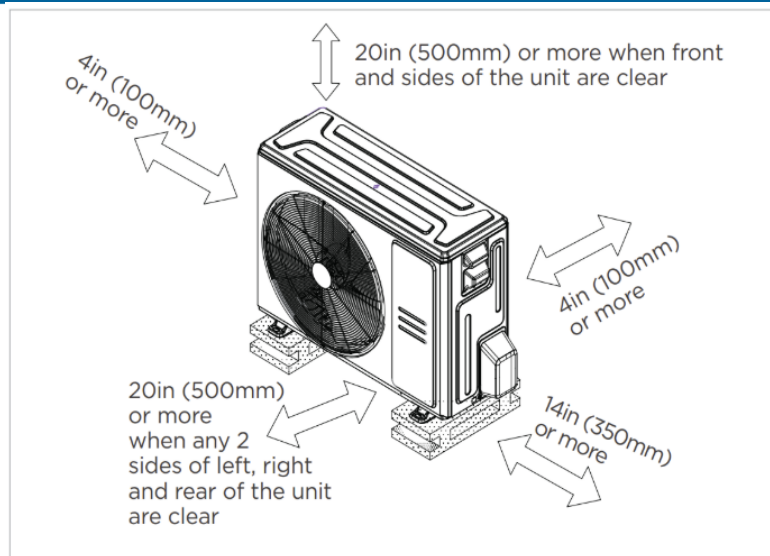
ELECTRICAL		
Power Supply	V, Hz, Ph	208/230V, 60Hz, 1Ph
System MCA	A	19
Connection Wiring	-	14#x4
System MOCP	A	20
Compressor RLA	A	11.7
Outdoor Fan Motor RLA	A	0.9
Outdoor Fan Motor	W	80
Indoor Fan Motor RLA	A	0.8
Indoor Fan Motor	W	30
System Power Input @ Cooling	W	1440 (230~1680)
System Power Input @ Heating	W	1618 (770~2050)

PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	EXV + Throttle Valve
Liquid Size	mm (in)	6.35mm (1/4in)
Gas Size	mm (in)	12.7mm (1/2in)
Max. Piping Length	ft (m)	98.4 (30)
Max. Height Difference	ft (m)	65.6 (20)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	55.38 (1.57)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.16 (15)
Connection Method		Flared

Outdoor Unit Dimension



Installation Instruction



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

FEATURES

- Indoor unit TU1 copper coil
- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller



Submittal Data Sheet

Series Name: Olympus E Star
Model Number: O-ES-24-HP-C-230C-01 / O-24-HP-WMAH-230C-0

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	812.3/618/412/317.8/317
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	54.5/43.5/38.5/27/16
Dimension (W×D×H)	inch	47.13 x 11.02 x 14.61
	mm	1197 x 280 x 371
Package (W×D×H)	inch	50.39 x 14.17 x 17.91
	mm	1280 x 360 x 455
Net/Gross Weight	lbs	43.65/55.56
	kg	19.8/25.2

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	620
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	2235.3
Outdoor Noise Level	dBA	61.5
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
Package (W×D×H)	inch	42.91 x 19.69 x 34.45
	mm	1090 x 500 x 875
Net/Gross Weight	lbs	130.29/141.31
	kg	59.1/64.1

EFFICIENCY			
Cooling		Heating	
SEER2	21	HSPF2-4	13.5
EER2	13	COP	3.42

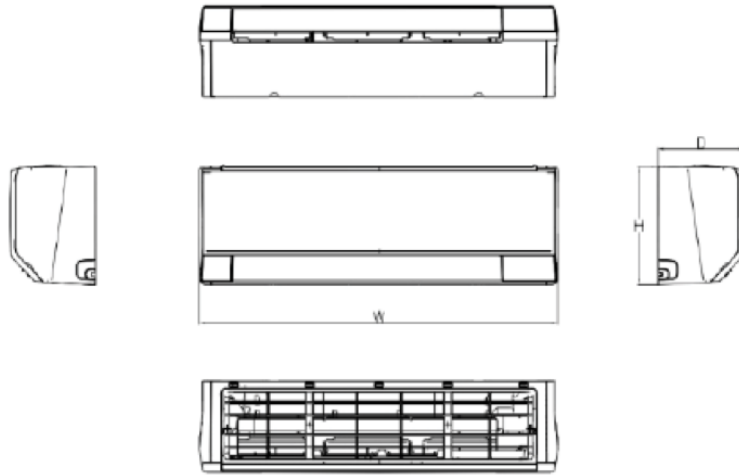
PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	24000	
Min/Max Capacity	12600	27900
Moisture Removal(L/h)	2.7	
Standard Operating Range(°F/°C)	-22~122 (-30~50)	
Conditions:	Indoor: 80°F DB/67°F WB	
	Outdoor: 95°F DB/75°F WB	

PERFORMANCE of Heating			
Heating (Btu/hr)			
1. @ 47°F Rated	29000		
1. @ 47°F Min/Max Capacity	11800		29700
2. @ 17°F Rated	21000		
3. @ 5°F Rated: Capacity / COP	24200		2.34
3. @ 5°F Max: Capacity	24200		
Standard Operating Range(°F/°C)	-22~75 (-30~24)		
1. Conditions:	Indoor: 70°F DB/60°F WB		
	Outdoor: 47°F DB/43°F WB		
2. Conditions:	Indoor: 70°F DB/60°F WB		
	Outdoor: 17°F DB/15°F WB		
3. Conditions	Indoor: 70°F DB/60°F WB		
	Outdoor: 5°F DB/5°F WB		

ELECTRICAL		
Power Supply	V, Hz, Ph	208/230V, 60Hz, 1Ph
System MCA	A	24.9
Connection Wiring	-	14#x4
System MOCP		25
Compressor RLA	A	15
Outdoor Fan Motor RLA	A	1.3
Outdoor Fan Motor	W	120
Indoor Fan Motor RLA	A	1.3
Indoor Fan Motor	W	58
System Power Input @ Cooling	W	1846 (940~2280)
System Power Input @ Heating	W	2485 (675~2570)

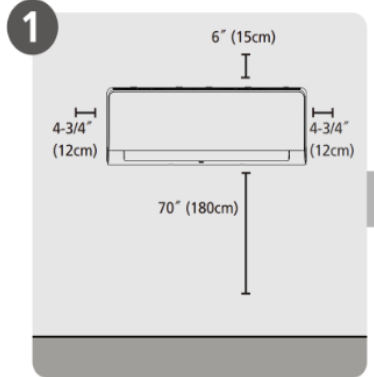
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	EXV + Throttle Valve
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	15.9mm (5/8in)
Max. Piping Length	ft (m)	164 (50)
Max. Height Difference	ft (m)	82 (25)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	63.49 (1.8)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.32 (30)
Connection Method		Flared

Indoor Unit Dimension

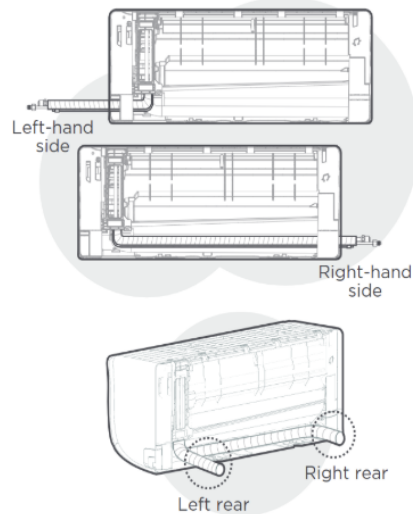
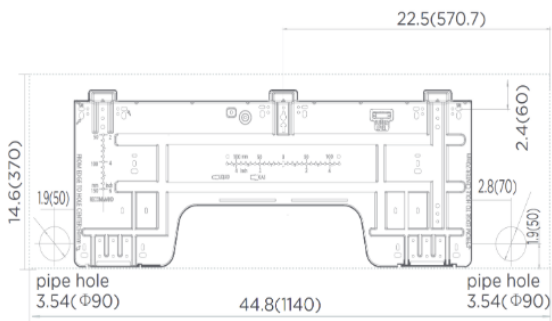


Capacity	Body Code	Unit	W	D	H
9K~12K	B	mm	857	231	300
		inch	33-3/4	9-1/8	11-3/4
18K	C	mm	1024	246	321
		inch	40-1/4	9-3/4	12-5/8
24K	D	mm	1197	280	371
		inch	47-1/8	11	14-5/8

Installation Instruction



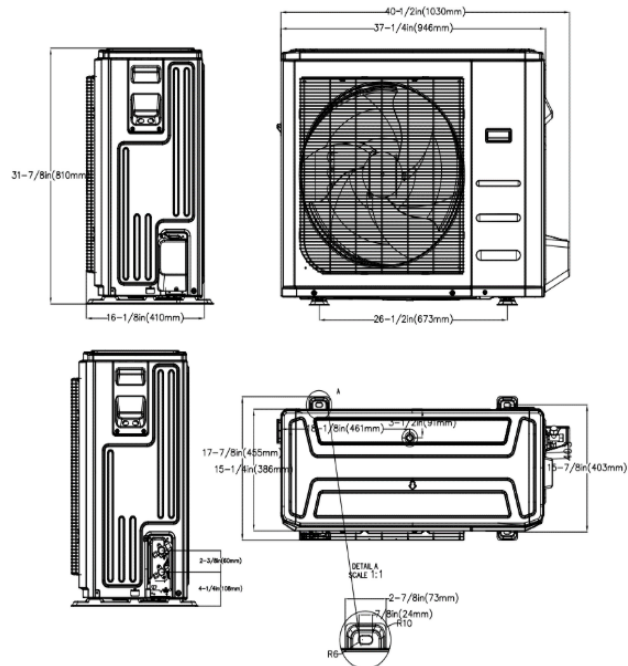
Select Installation Location



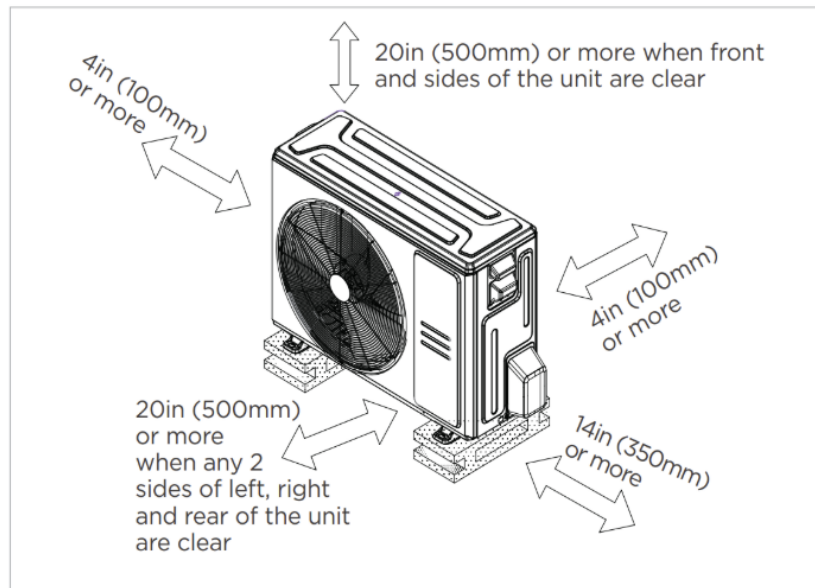
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm

Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.

FEATURES

- Indoor unit TU1 copper coil
- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller



Submittal Data Sheet

Series Name: Olympus E Star
Model Number: O-ES-12-HP-C-230C-01 / O-12-HP-WMAH-230C-0

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	441.4/323.7/229.6/176.6/147.2
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	47/36.5/32.5/22/19.5
Dimension (W×D×H)	inch	33.74 x 9.09 x 11.81
	mm	857 x 231 x 300
Package (W×D×H)	inch	36.22 x 12.20 x 14.57
	mm	920 x 310 x 370
Net/Gross Weight	lbs	22.93/29.32
	kg	10.4/13.3

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTN110D42UFZ
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	350
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1470.6
Outdoor Noise Level	dBA	56
Dimension (W×D×H)	inch	31.69 x 12.99 x 21.81
	mm	805 x 330 x 554
Package (W×D×H)	inch	36.02 x 14.57 x 24.21
	mm	915 x 370 x 615
Net/Gross Weight	lbs	72.75/78.70
	kg	33/35.7

EFFICIENCY			
Cooling		Heating	
SEER2	25.4	HSPF2-4	10.5
EER2	13.4	COP	3.76

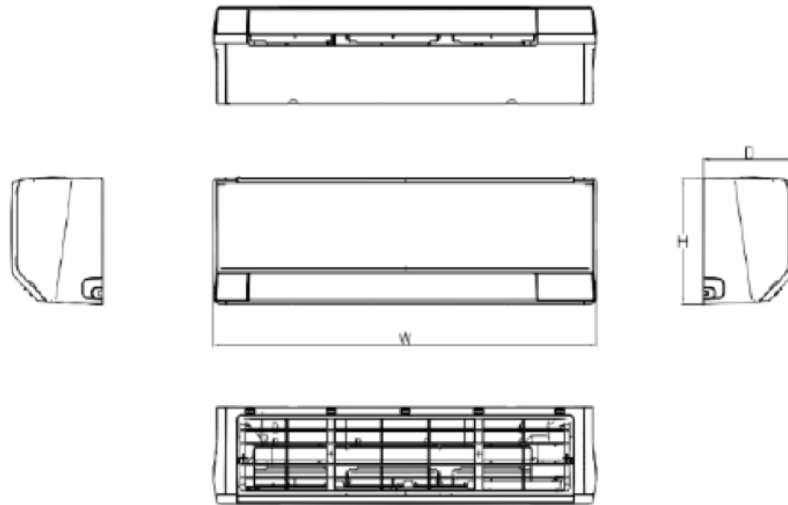
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated Capacity	12000		
Min/Max Capacity	3800		14600
Moisture Removal(L/h)	1.2		
Standard Operating Range(°F/°C)	-22~122 (-30~50)		
Conditions:	Indoor: 80°F DB/67°F WB		
	Outdoor: 95°F DB/75°F WB		

PERFORMANCE of Heating			
Heating (Btu/hr)			
1. @ 47°F Rated	12000		
1. @ 47°F Min/Max Capacity	3800		16000
2. @ 17°F Rated	9800		
3. @ 5°F Rated: Capacity / COP	11500		1.8
3. @ 5°F Max: Capacity	11500		
Standard Operating Range(°F/°C)	-22~75 (-30~24)		
1. Conditions:	Indoor: 70°F DB/60°F WB		
	Outdoor: 47°F DB/43°F WB		
2. Conditions:	Indoor: 70°F DB/60°F WB		
	Outdoor: 17°F DB/15°F WB		
3. Conditions	Indoor: 70°F DB/60°F WB		
	Outdoor: 5°F DB/5°F WB		

ELECTRICAL		
Power Supply	V, Hz, Ph	208/230V, 60Hz, 1Ph
System MCA	A	15
Connection Wiring	-	14#x4
System MOCP	A	15
Compressor RLA	A	10.4
Outdoor Fan Motor RLA	A	0.6
Outdoor Fan Motor	W	34
Indoor Fan Motor RLA	A	0.5
Indoor Fan Motor	W	20
System Power Input @ Cooling	W	890 (127~1250)
System Power Input @ Heating	W	935 (225~1400)

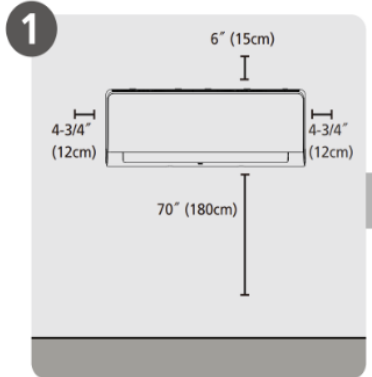
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	EXV
Liquid Size	mm (in)	6.35mm (1/4in)
Gas Size	mm (in)	9.52mm (3/8in)
Max. Piping Length	ft (m)	82 (25)
Max. Height Difference	ft (m)	49.2 (15)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	35.27 (1)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.16 (15)
Connection Method		Flared

Indoor Unit Dimension



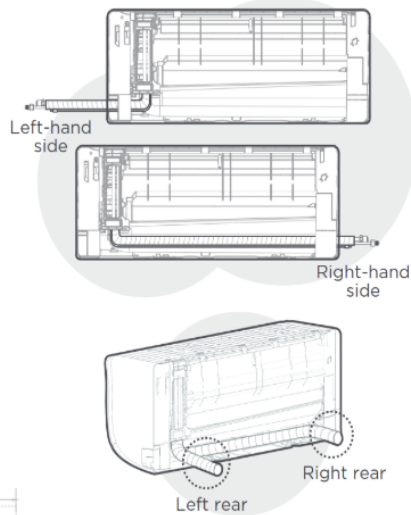
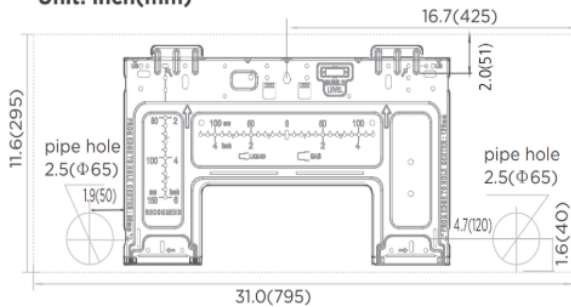
Capacity	Body Code	Unit	W	D	H
9K~12K	B	mm	857	231	300
		inch	33-3/4	9-1/8	11-3/4
18K	C	mm	1024	246	321
		inch	40-1/4	9-3/4	12-5/8
24K	D	mm	1197	280	371
		inch	47-1/8	11	14-5/8

Installation Instruction



Select Installation Location

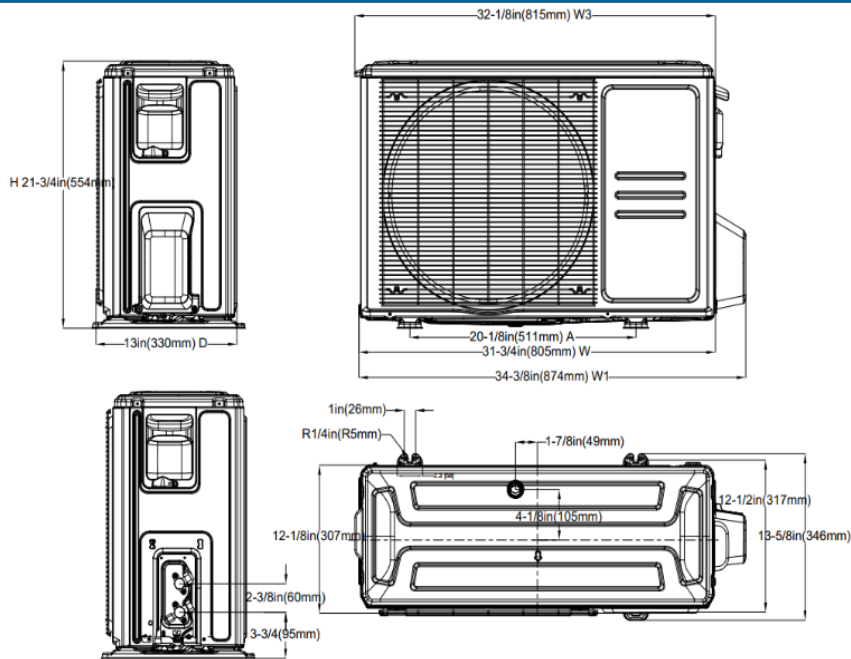
Unit: inch(mm)



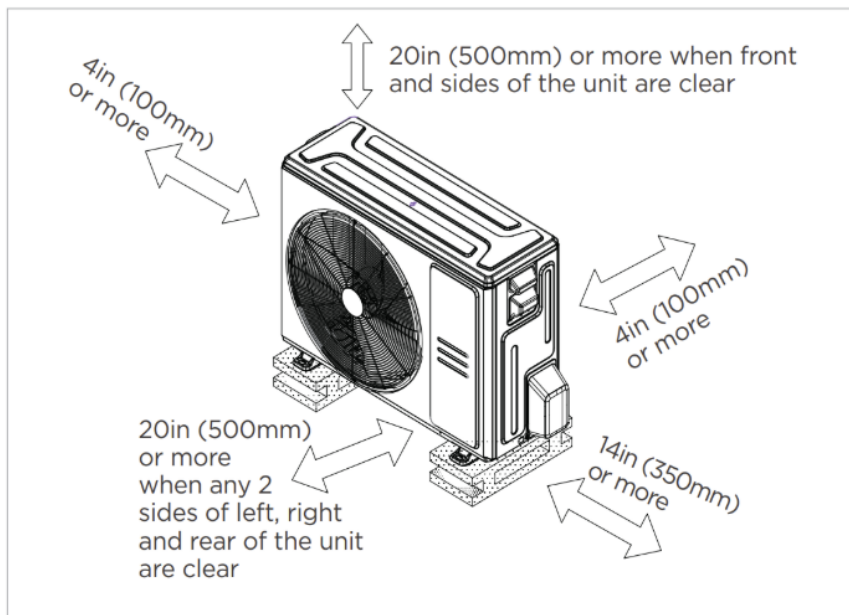
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm

Outdoor Unit Dimension



Installation Instruction



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

FEATURES

- Indoor unit TU1 copper coil
- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller

