

Submittal Data Sheet

Series Name: **Rooftop Unit - SEER 15**
 Model Number: RTIH04I/O5C1P15



Air Handler Heat Pump System

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



SPECIFICATION

Compressor Type	DC Inverter Twin-rotary	
Compressor Model	KTF400D64UMTA	
Refrigerant	R32	
Refrigerant Charge(kg/oz)	2.85(100.5)	
Refrigerant Oil	VG74	
Refrigerant Oil Charge(mL)	1000	
Outdoor Fan Motor Model	DQ-DRN-310-200-8-A	
Outdoor Air Flow (CFM)	4300	
Indoor Fan Motor Model	YKS-400-6-6	
Indoor Air Flow (CFM)	1400	
Noise level	75	
Dimension (W×D×H)	mm	1310×1138×1306
	inch	51-9/16×44-13/16×51-7/16
Package (W×D×H)	mm	1328×1154×1312
	inch	52-9/32×45-7/16×51-21/32
Net/Gross Weight	lbs	507/525
Loading quantity 40'HQ(set)	36	

EFFICIENCY

Cooling		Heating	
SEER2	14.6	HSPF2-4	7.8
EER2	9.3	COP	10.60

PERFORMANCE of Cooling

Cooling (Btu/hr)

Rated Capacity	48000
Standard Operating Range(℉/°C)	23~125(-5~52)
Rated Cooling Conditions:	Indoor: 80℉ DB/67℉ WB Outdoor: 95℉ DB/75℉ WB

Heating (Btu/hr)

Rated Capacity	48000
1. @ 17℉ Rated	36000
2. @ 5℉ Rated: Capacity / COP	34600(1.82)
Standard Operating Range(℉/°C)	-4~86(-20~30)
Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
1. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
2. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
MCA	34.33
MAX.FUSE	50
Communication Wiring	8AWG*3
Compressor RLA	23
Outdoor Fan Motor W	200
Outdoor Fan Motor RLA	2.3
Indoor Fan Motor RLA	3.48
Indoor Fan Motor W	400
System Power Input @ Cooling (W)	5160
System Power Input @ Heating (W)	4530
MCA: Min. circuit amps (A)	
RLA: Rated load amps (A)	
W: Fan motor rated output (W)	

Submittal Data Sheet

Series Name: **Rooftop Unit - SEER 15**
 Model Number: RTIH05I/O5C1P15



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SPECIFICATION

Compressor Type	DC Inverter Twin-rotary	
Compressor Model	KTF400D64UMTA	
Refrigerant	R32	
Refrigerant Charge(kg/oz)	2.85(100.5)	
Refrigerant Oil	VG74	
Refrigerant Oil Charge(mL)	1000	
Outdoor Fan Motor Model	DQ-DRN-310-200-8-A	
Outdoor Air Flow (CFM)	4300	
Indoor Fan Motor Model	YKS-600-6-1	
Indoor Air Flow (CFM)	1600	
Noise level	76	
Dimension (W×D×H)	mm	1310×1138×1306
	inch	51-9/16×44-13/16×51-7/16
Package (W×D×H)	mm	1328×1154×1312
	inch	52-9/32×45-7/16×51-21/32
Net/Gross Weight	lbs	507/525
Loading quantity 40'HQ(set)	36	

EFFICIENCY

Cooling		Heating	
SEER2	13.4	HSPF2-4	7.6
EER2	8.6	COP	10.40

PERFORMANCE of Cooling

Cooling (Btu/hr)

Rated Capacity	55000
Standard Operating Range(℉/°C)	23~125(-5~52)
Rated Cooling Conditions:	Indoor: 80℉ DB/67℉ WB Outdoor: 95℉ DB/75℉ WB

Heating (Btu/hr)

Rated Capacity	57000
1. @ 17℉ Rated	39200
2. @ 5℉ Rated: Capacity / COP	39000(1.8)
Standard Operating Range(℉/°C)	-4~86(-20~30)
Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
1. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
2. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
MCA	39.7
MAX.FUSE	60
Communication Wiring	8AWG*3
Compressor RLA	27
Outdoor Fan Motor W	200
Outdoor Fan Motor RLA	2.3
Indoor Fan Motor RLA	3.85
Indoor Fan Motor W	600
System Power Input @ Cooling (W)	6395
System Power Input @ Heating (W)	5480
MCA: Min. circuit amps (A)	
RLA: Rated load amps (A)	
W: Fan motor rated output (W)	

Submittal Data Sheet

Series Name: **Rooftop Unit - SEER 15**
 Model Number: **RTIH03I/O5C1P15**



Air Handler Heat Pump System

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



SPECIFICATION		
Compressor Type	DC Inverter Rotary	
Compressor Model	KTN210D60UMT3	
Refrigerant	R32	
Refrigerant Charge(kg/oz)	1.8(63.5)	
Refrigerant Oil	VG74	
Refrigerant Oil Charge(mL)	630	
Outdoor Fan Motor Model	DQ-DRN-310-200-8-A	
Outdoor Air Flow (CFM)	3200.0	
Indoor Fan Motor Model	YKS-400-6-6	
Indoor Air Flow (CFM)	1060	
Noise level	76	
Dimension (W×D×H)	mm	1288×890×1190
	inch	50-45/64×35-3/64×46-27/32
Package (W×D×H)	mm	1306×906×1228
	inch	51-27/64×35-43/64×48-11/32
Net/Gross Weight	lbs	390/404
Loading quantity 40'HQ(set)		44

EFFICIENCY			
Cooling		Heating	
SEER2	13.8	HSPF2-4	7.1
EER2	8.2	COP	10.30

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
MCA	29.33
MAX.FUSE	45
Communication Wiring	10AWG*3
Compressor RLA	19
Outdoor Fan Motor W	200
Outdoor Fan Motor RLA	2.1
Indoor Fan Motor RLA	3.48
Indoor Fan Motor W	400
System Power Input @ Cooling (W)	4210
System Power Input @ Heating (W)	3495
MCA: Min. circuit amps (A)	
RLA: Rated load amps (A)	
W: Fan motor rated output (W)	

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	34500
Standard Operating Range(℉/°C)	23~125(-5~52)
Rated Cooling Conditions:	Indoor: 80℉ DB/67℉ WB Outdoor: 95℉ DB/75℉ WB
Heating (Btu/hr)	
Rated Capacity	36000
1. @ 17℉ Rated	19600
2. @ 5℉ Rated: Capacity / COP	18600(1.58)
Standard Operating Range(℉/°C)	-4~86(-20~30)
Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
1. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
2. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

Submittal Data Sheet

Series Name: **Rooftop Unit - SEER 15**
 Model Number: **RTIH02I/O5C1P15**



Air Handler Heat Pump System

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



SPECIFICATION		
Compressor Type	DC Inverter Rotary	
Compressor Model	KTN210D60UMT3	
Refrigerant	R32	
Refrigerant Charge(kg/oz)	1.8(63.5)	
Refrigerant Oil	VG74	
Refrigerant Oil Charge(mL)	630	
Outdoor Fan Motor Model	DQ-DRN-310-200-8-A	
Outdoor Air Flow (CFM)	3200.0	
Indoor Fan Motor Model	YKS-150-6-4	
Indoor Air Flow (CFM)	760	
Noise level	73	
Dimension (W×D×H)	mm	1288×890×1190
	inch	50-45/64×35-3/64×46-27/32
Package (W×D×H)	mm	1306×906×1228
	inch	51-27/64×35-43/64×48-11/32
Net/Gross Weight	lbs	390/404
Loading quantity 40'HQ(set)		44

EFFICIENCY			
Cooling		Heating	
SEER2	15.2	HSPF2-4	7.2
EER2	9.9	COP	10.70

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	24000
Standard Operating Range(℉/°C)	23~125(-5~52)
Rated Cooling Conditions:	Indoor: 80℉ DB/67℉ WB Outdoor: 95℉ DB/75℉ WB
Heating (Btu/hr)	
Rated Capacity	24000
1. @ 17℉ Rated	19000
2. @ 5℉ Rated: Capacity / COP	18500(1.64)
Standard Operating Range(℉/°C)	-4~86(-20~30)
Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
1. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
2. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
MCA	23.88
MAX.FUSE	35
Communication Wiring	12AWG*3
Compressor RLA	16
Outdoor Fan Motor W	2.1
Outdoor Fan Motor RLA	16
Indoor Fan Motor RLA	1.78
Indoor Fan Motor W	150
System Power Input @ Cooling (W)	2425
System Power Input @ Heating (W)	2245
MCA: Min. circuit amps (A)	
RLA: Rated load amps (A)	
W: Fan motor rated output (W)	