

# Submittal Data Sheet

Series Name: **Rooftop Unit - SEER 19**  
 Model Number: RTIH04I/O5C1P18



## Air Handler Heat Pump System

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



## SPECIFICATION

<b>Compressor Type</b>	DC Inverter Twin-rotary	
<b>Compressor Model</b>	KTQ420D41SN5A1	
<b>Refrigerant</b>	R32	
<b>Refrigerant Charge(kg/oz)</b>	4.8(169.3)	
<b>Refrigerant Oil</b>	VG74	
<b>Refrigerant Oil Charge(mL)</b>	1000	
<b>Outdoor Fan Motor Model</b>	DQ-DRN-310-200-8-A	
<b>Outdoor Air Flow (CFM)</b>	4300	
<b>Indoor Fan Motor Model</b>	DQ-ZKSD-560-10-5	
<b>Indoor Air Flow (CFM)</b>	1680	
<b>Noise level</b>	74	
<b>Dimension (W×D×H)</b>	mm	1310×1138×1306
	inch	51-9/16×44-13/16×51-7/16
<b>Package (W×D×H)</b>	mm	1328×1154×1312
	inch	52-9/32×45-7/16×51-21/32
<b>Net/Gross Weight</b>	lbs	551/569
<b>Loading quantity 40'HQ(set)</b>	36	

## EFFICIENCY

Cooling		Heating	
<b>SEER2</b>	19.0	<b>HSPF2-4</b>	9.0
<b>EER2</b>	11.2	<b>COP</b>	12.50

## PERFORMANCE of Cooling

### Cooling (Btu/hr)

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

### Heating (Btu/hr)

<b>Rated Capacity</b>	48000
<b>1. @ 17℉ Rated</b>	48000
<b>2. @ 5℉ Rated: Capacity / COP</b>	44800(1.8)
<b>Standard Operating Range(℉/°C)</b>	-4~86(-20~30)
<b>Rated Heating Conditions:</b>	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
<b>1. Rated Heating Conditions:</b>	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
<b>2. Rated Heating Conditions:</b>	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

## ELECTRICAL

<b>Power Supply</b>	208/230V,60Hz,1Ph
<b>MCA</b>	36.25
<b>MAX.FUSE</b>	50
<b>Communication Wiring</b>	AWG 25×3 Shielded
<b>Compressor RLA</b>	23.0
<b>Outdoor Fan Motor W</b>	200
<b>Outdoor Fan Motor RLA</b>	2.1
<b>Indoor Fan Motor RLA</b>	5.4
<b>Indoor Fan Motor W</b>	560
<b>System Power Input @ Cooling (W)</b>	4286
<b>System Power Input @ Heating (W)</b>	3840
<b>MCA: Min. circuit amps (A)</b>	
<b>RLA: Rated load amps (A)</b>	
<b>W: Fan motor rated output (W)</b>	

# Submittal Data Sheet

Series Name: **Rooftop Unit - SEER 18.5**  
 Model Number: **RTIH03I/O5C1P18**



## Air Handler Heat Pump System

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



## SPECIFICATION

<b>Compressor Type</b>	DC Inverter Twin-rotary	
<b>Compressor Model</b>	KTM240D57UMT	
<b>Refrigerant</b>	R32	
<b>Refrigerant Charge(kg/oz)</b>	2.9(102.3)	
<b>Refrigerant Oil</b>	VG74	
<b>Refrigerant Oil Charge(mL)</b>	670	
<b>Outdoor Fan Motor Model</b>	DQ-DRN-310-200-8-A	
<b>Outdoor Air Flow (CFM)</b>	3200.0	
<b>Indoor Fan Motor Model</b>	DQ-ZKSD-370-10-6	
<b>Indoor Air Flow (CFM)</b>	1120	
<b>Noise level</b>	74	
<b>Dimension (W×D×H)</b>	mm	1288×890×1190
	inch	50-45/64×35-3/64×46-27/32
<b>Package (W×D×H)</b>	mm	1306×906×1228
	inch	51-27/64×35-43/64×48-11/32
<b>Net/Gross Weight</b>	lbs	415/428
<b>Loading quantity 40'HQ(set)</b>		44

## EFFICIENCY

Cooling		Heating	
<b>SEER2</b>	18.5	<b>HSPF2-4</b>	8.2
<b>EER2</b>	10.8	<b>COP</b>	12.00

## PERFORMANCE of Cooling

### Cooling (Btu/hr)

<b>Rated Capacity</b>	34200
<b>Standard Operating Range(℉/°C)</b>	23~125(-5~52)
<b>Rated Cooling Conditions:</b>	Indoor: 80℉ DB/67℉ WB Outdoor: 95℉ DB/75℉ WB

### Heating (Btu/hr)

<b>Rated Capacity</b>	34200
<b>1. @ 17℉ Rated</b>	26000
<b>2. @ 5℉ Rated: Capacity / COP</b>	24400(1.86)
<b>Standard Operating Range(℉/°C)</b>	-4~86(-20~30)
<b>Rated Heating Conditions:</b>	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
<b>1. Rated Heating Conditions:</b>	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
<b>2. Rated Heating Conditions:</b>	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

## ELECTRICAL

<b>Power Supply</b>	208/230V,60Hz,1Ph
<b>MCA</b>	29.65
<b>MAX.FUSE</b>	32
<b>Communication Wiring</b>	AWG 25×3 Shielded
<b>Compressor RLA</b>	19.0
<b>Outdoor Fan Motor W</b>	200
<b>Outdoor Fan Motor RLA</b>	2.1
<b>Indoor Fan Motor RLA</b>	3.8
<b>Indoor Fan Motor W</b>	370
<b>System Power Input @ Cooling (W)</b>	3167
<b>System Power Input @ Heating (W)</b>	2850
<b>MCA: Min. circuit amps (A)</b>	
<b>RLA: Rated load amps (A)</b>	
<b>W: Fan motor rated output (W)</b>	

# Submittal Data Sheet

Series Name: **Rooftop Unit - SEER 18.5**  
 Model Number: RTIH05I/O5C1P18



## 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	KTQ420D41SN5A1	
Refrigerant	R32	
Refrigerant Charge(kg/oz)	4.8(169.3)	
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	DQ-ZKSD-560-10-5	
Indoor Air Flow (CFM)	1710	
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	551/569
Loading quantity 40'HQ(set)		36

EFFICIENCY			
Cooling		Heating	
SEER2	18.5	HSPF2-4	8.8
EER2	10.6	COP	11.50

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
MCA	41.25
MAX.FUSE	50
Communication Wiring	AWG 25×3 Shielded
Compressor RLA	27.0
Outdoor Fan Motor W	200
Outdoor Fan Motor RLA	2.1
Indoor Fan Motor RLA	5.4
Indoor Fan Motor W	560
System Power Input @ Cooling (W)	5189
System Power Input @ Heating (W)	4956
MCA: Min. circuit amps (A)	
RLA: Rated load amps (A)	
W: Fan motor rated output (W)	

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	48000
2. @ 5℉ Rated: Capacity / COP	46000(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

# Submittal Data Sheet

Series Name: **Rooftop Unit - SEER 19**  
 Model Number: **RTIH02I/O5C1P18**



## Air Handler Heat Pump System

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



SPECIFICATION		
<b>Compressor Type</b>	DC Inverter Twin-rotary	
<b>Compressor Model</b>	KTM240D57UMT	
<b>Refrigerant</b>	R32	
<b>Refrigerant Charge(kg/oz)</b>	2.9(102.3)	
<b>Refrigerant Oil</b>	VG74	
<b>Refrigerant Oil Charge(mL)</b>	670	
<b>Outdoor Fan Motor Model</b>	DQ-DRN-310-200-8-A	
<b>Outdoor Air Flow (CFM)</b>	3200.0	
<b>Indoor Fan Motor Model</b>	DQ-ZKSD-370-10-6	
<b>Indoor Air Flow (CFM)</b>	860	
<b>Noise level</b>	73	
<b>Dimension (W×D×H)</b>	mm	1288×890×1190
	inch	50-45/64×35-3/64×46-27/32
<b>Package (W×D×H)</b>	mm	1306×906×1228
	inch	51-27/64×35-43/64×48-11/32
<b>Net/Gross Weight</b>	lbs	415/428
<b>Loading quantity 40'HQ(set)</b>		44

EFFICIENCY			
Cooling		Heating	
<b>SEER2</b>	19.0	<b>HSPF2-4</b>	9.5
<b>EER2</b>	12.2	<b>COP</b>	11.90

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
<b>Rated Capacity</b>	24000
<b>Standard Operating Range(℉/°C)</b>	23~125(-5~52)
<b>Rated Cooling Conditions:</b>	Indoor: 80℉ DB/67℉ WB Outdoor: 95℉ DB/75℉ WB
Heating (Btu/hr)	
<b>Rated Capacity</b>	25000
<b>1. @ 17℉ Rated</b>	26000
<b>2. @ 5℉ Rated: Capacity / COP</b>	25800(1.94)
<b>Standard Operating Range(℉/°C)</b>	-4~86(-20~30)
<b>Rated Heating Conditions:</b>	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
<b>1. Rated Heating Conditions:</b>	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
<b>2. Rated Heating Conditions:</b>	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

ELECTRICAL	
<b>Power Supply</b>	208/230V,60Hz,1Ph
<b>MCA</b>	25.9
<b>MAX.FUSE</b>	32
<b>Communication Wiring</b>	AWG 25×3 Shielded
<b>Compressor RLA</b>	16.0
<b>Outdoor Fan Motor W</b>	2.1
<b>Outdoor Fan Motor RLA</b>	16.0
<b>Indoor Fan Motor RLA</b>	3.8
<b>Indoor Fan Motor W</b>	370
<b>System Power Input @ Cooling (W)</b>	1967
<b>System Power Input @ Heating (W)</b>	2100
<b>MCA:</b> Min. circuit amps (A)	
<b>RLA:</b> Rated load amps (A)	
<b>W:</b> Fan motor rated output (W)	