MULTI V™ 5

Outdoor Units

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1. Specifications

HP			8	10
Model Name	Combination Unit		ARUM080LTE5	ARUM100LTE5
	Independent Unit		ARUM080LTE5	ARUM100LTE5
Capacity	Cooling (Rated)	kW	22.4	28.0
		Btu/h	76,400	95,500
	Heating (Rated.)	kW	22.4	28.0
		Btu/h	76,400	95,500
	Heating (Max.)	kW	25.2	31.5
		Btu/h	86,000	107,500
Input	Cooling (Rated)	kW	4.49	5.80
	Heating (Rated)	kW	3.97	4.92
	Heating (Max.)	kW	4.78	5.92
EER (Rated)			4.99	4.83
COP	Rated capacity		5.64	5.69
	Max. capacity		5.27	5.32
SEER			10.10	9.70
SCOP			4.69	4.51
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	43.8	62.1
	Number of Revolution	rev/min	3,600	3,600
	Motor Output x Number	W x No.	4,200 × 1	5,300 × 1
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	1,200 × 1	1,200 × 1
	Air Flow Rate(High)	m^3/min	240 × 1	240 × 1
		ft^3/min	8,476 × 1	8,476 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP
Pipe Connections #1	Liquid	mm(inch)	9.52(3/8)	9.52(3/8)
	Low Pressure Gas	mm(inch)	19.05(3/4)	22.2(7/8)
	High Pressure Gas	mm(inch)	15.88(5/8)	19.05(3/4)
Pipe Connections #2	Liquid	mm(inch)	9.52(3/8)	9.52(3/8)
	Gas	mm(inch)	19.05(3/4)	22.2(7/8)
Dimensions(W x H x D)		mm	(930 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 1
		inch	(36-5/8 × 66-17/32 × 29-29/32) × 1	(36-5/8 × 66-17/32 × 29-29/32) × 1

Note

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2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
4. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
   - Refer to EUROVENT web site(www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
9. #1 : Heat Recovery system, #2 : Heat Pump system

1. Specifications

HP			8	10
Model Name	Combination Unit		ARUM080LTE5	ARUM100LTE5
	Independent Unit		ARUM080LTE5	ARUM100LTE5
Net Weight		kg	198 × 1	215 × 1
		lbs	437 × 1	474 × 1
Sound Pressure Level	Cooling	dB(A)	58.0	58.0
	Heating	dB(A)	59.0	59.0
Sound Power Level	Cooling	dB(A)	84.0	85.0
	Heating	dB(A)	87.0	88.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No.×㎟	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refigerant name		R410A	R410A
	Precharged Amount	kg	7.5	9.5
		lbs	16.5	20.9
	t-CO_2 eq		15.7	19.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V, Ø, Hz	380-400-415, 3, 50/60	380-400-415, 3, 50/60
Running Current	Cooling (Rated)	A	7.30 - 6.94 - 6.68	9.50 - 9.03 - 8.70
	Heating (Max)	A	8.00 - 7.60 - 7.33	9.70 - 9.22 - 8.88
Number of maximum connectable indoor units ***			13(20)	16(25)

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   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
4. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
   - Refer to EUROVENT web site(www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
9. #1 : Heat Recovery system, #2 : Heat Pump system

1. Specifications

HP			12	14
Model Name	Combination Unit		ARUM120LTE5	ARUM140LTE5
	Independent Unit		ARUM120LTE5	ARUM140LTE5
Capacity	Cooling (Rated)	kW	33.6	39.2
		Btu/h	114,600	133,800
	Heating (Rated.)	kW	33.6	39.2
		Btu/h	114,600	133,800
	Heating (Max.)	kW	37.8	44.1
		Btu/h	129,000	150,500
Input	Cooling (Rated)	kW	7.58	8.68
	Heating (Rated)	kW	6.85	8.13
	Heating (Max.)	kW	8.26	9.72
EER (Rated)			4.43	4.52
COP	Rated capacity		4.91	4.82
	Max. capacity		4.58	4.54
SEER			9.59	8.89
SCOP			5.01	4.63
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1	62.1
	Number of Revolution	rev/min	3,600	3,600
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	1,200 × 1	900 × 2
	Air Flow Rate(High)	m^3/min	240 × 1	320 × 1
		ft^3/min	8,476 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP
Pipe Connections #1	Liquid	mm(inch)	12.7(1/2)	12.7(1/2)
	Low Pressure Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
	High Pressure Gas	mm(inch)	19.05(3/4)	22.2(7/8)
Pipe Connections #2	Liquid	mm(inch)	12.7(1/2)	12.7(1/2)
	Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W x H x D)		mm	(930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760)×1
		inch	(36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1

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4. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
   - Refer to EUROVENT web site(www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
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9. #1 : Heat Recovery system, #2 : Heat Pump system

1. Specifications

HP			12	14
Model Name	Combination Unit		ARUM120LTE5	ARUM140LTE5
	Independent Unit		ARUM120LTE5	ARUM140LTE5
Net Weight		kg	215 × 1	237 × 1
		lbs	474 × 1	522 × 1
Sound Pressure Level	Cooling	dB(A)	59.0	60.0
	Heating	dB(A)	60.0	61.0
Sound Power Level	Cooling	dB(A)	86.0	89.0
	Heating	dB(A)	89.0	93.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No.×㎟	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refigerant name		R410A	R410A
	Precharged Amount	kg	9.5	13.5
		lbs	20.9	29.8
	t-CO_2 eq		19.8	28.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V, Ø, Hz	380-400-415, 3, 50/60	380-400-415, 3, 50/60
Running Current	Cooling (Rated)	A	12.40 - 11.78 - 11.35	14.20 - 13.49 - 13.00
	Heating (Max)	A	14.40 - 13.68 - 13.19	15.90 - 15.11 - 14.56
Number of maximum connectable indoor units ***			20(30)	23(35)

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4. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
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9. #1 : Heat Recovery system, #2 : Heat Pump system

1. Specifications

HP			16	18
Model Name	Combination Unit		ARUM160LTE5	ARUM180LTE5
	Independent Unit		ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Rated)	kW	44.8	50.4
		Btu/h	152,900	172,000
	Heating (Rated.)	kW	44.8	50.4
		Btu/h	152,900	172,000
	Heating (Max.)	kW	50.4	56.7
		Btu/h	172,000	193,500
Input	Cooling (Rated)	kW	10.89	10.91
	Heating (Rated)	kW	10.28	10.12
	Heating (Max.)	kW	12.39	11.94
EER (Rated)			4.11	4.62
COP	Rated capacity		4.36	4.98
	Max. capacity		4.07	4.75
SEER			8.38	8.23
SCOP			4.83	4.00
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1	62.1 × 1 + 43.8 × 1
	Number of Revolution	rev/min	3,600	3,600 × 2
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1 + 4,200 × 1
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 2	900 × 2
	Air Flow Rate(High)	m^3/min	320 × 1	320 × 1
		ft^3/min	11,301 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP
Pipe Connections #1	Liquid	mm(inch)	12.7(1/2)	15.88(5/8)
	Low Pressure Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
	High Pressure Gas	mm(inch)	22.2(7/8)	22.2(7/8)
Pipe Connections #2	Liquid	mm(inch)	12.7(1/2)	15.88(5/8)
	Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760)×1	(1,240 × 1,690 × 760)×1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1

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   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
4. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
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7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
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9. #1 : Heat Recovery system, #2 : Heat Pump system

1. Specifications

HP			16	18
Model Name	Combination Unit		ARUM160LTE5	ARUM180LTE5
	Independent Unit		ARUM160LTE5	ARUM180LTE5
Net Weight		kg	237 × 1	300 × 1
		lbs	522 × 1	661 × 1
Sound Pressure Level	Cooling	dB(A)	60.5	61.0
	Heating	dB(A)	61.5	62.0
Sound Power Level	Cooling	dB(A)	90.0	92.0
	Heating	dB(A)	94.0	95.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No.×㎟	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refigerant name		R410A	R410A
	Precharged Amount	kg	13.5	16.0
		lbs	29.8	35.3
	t-CO_2 eq		28.2	33.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V, Ø, Hz	380-400-415, 3, 50/60	380-400-415, 3, 50/60
Running Current	Cooling (Rated)	A	17.80 - 16.91 - 16.30	17.80 - 16.91 - 16.30
	Heating (Max)	A	21.30 - 20.24 - 19.50	19.00 - 18.05 - 17.40
Number of maximum connectable indoor units ***			26(40)	29(45)

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   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
   - Refer to EUROVENT web site(www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
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   The recommended ratio is 130%.
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9. #1 : Heat Recovery system, #2 : Heat Pump system

1. Specifications

HP			20	22
Model Name	Combination Unit		ARUM200LTE5	ARUM220LTE5
	Independent Unit		ARUM200LTE5	ARUM220LTE5
Capacity	Cooling (Rated)	kW	56.0	61.6
		Btu/h	191,100	210,200
	Heating (Rated.)	kW	56.0	61.6
		Btu/h	191,100	210,200
	Heating (Max.)	kW	63.0	69.3
		Btu/h	215,000	236,500
Input	Cooling (Rated)	kW	12.77	15.70
	Heating (Rated)	kW	12.20	14.15
	Heating (Max.)	kW	14.69	16.76
EER (Rated)			4.39	3.92
COP	Rated capacity		4.59	4.35
	Max. capacity		4.29	4.13
SEER			8.05	7.51
SCOP			3.98	3.90
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 1 + 43.8 × 1	62.1 × 1 + 43.8 × 1
	Number of Revolution	rev/min	3,600 × 2	3,600 × 2
	Motor Output x Number	W x No.	5,300 × 1 + 4,200 × 1	5,300 × 1 + 4,200 × 1
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 2	900 × 2
	Air Flow Rate(High)	m^3/min	320 × 1	320 × 1
		ft^3/min	11,301 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP
Pipe Connections #1	Liquid	mm(inch)	15.88(5/8)	15.88(5/8)
	Low Pressure Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
	High Pressure Gas	mm(inch)	22.2(7/8)	28.58(1-1/8)
Pipe Connections #2	Liquid	mm(inch)	15.88(5/8)	15.88(5/8)
	Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760)×1	(1,240 × 1,690 × 760)×1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1

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   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
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   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
   - Refer to EUROVENT web site(www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
9. #1 : Heat Recovery system, #2 : Heat Pump system

1. Specifications

HP			20	22
Model Name	Combination Unit		ARUM200LTE5	ARUM220LTE5
	Independent Unit		ARUM200LTE5	ARUM220LTE5
Net Weight		kg	300 × 1	300 × 1
		lbs	661 × 1	661 × 1
Sound Pressure Level	Cooling	dB(A)	62.0	64.5
	Heating	dB(A)	64.5	65.5
Sound Power Level	Cooling	dB(A)	93.0	93.0
	Heating	dB(A)	96.0	97.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No.×㎟	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refigerant name		R410A	R410A
	Precharged Amount	kg	16.0	16.0
		lbs	35.3	35.3
	t-CO_2 eq		33.4	33.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V, Ø, Hz	380-400-415, 3, 50/60	380-400-415, 3, 50/60
Running Current	Cooling (Rated)	A	20.90 - 19.86 - 19.14	25.60 - 24.32 - 23.44
	Heating (Max)	A	24.00 - 22.80 - 21.98	27.40 - 26.03 - 25.09
Number of maximum connectable indoor units ***			32(50)	35(56)

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
4. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
   - Refer to EUROVENT web site(www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
9. #1 : Heat Recovery system, #2 : Heat Pump system

1. Specifications

HP			24	26
Model Name	Combination Unit		ARUM240LTE5	ARUM260LTE5
	Independent Unit		ARUM240LTE5	ARUM260LTE5
Capacity	Cooling (Rated)	kW	67.2	72.8
		Btu/h	229,300	248,400
	Heating (Rated.)	kW	67.2	67.2
		Btu/h	229,300	229,300
	Heating (Max.)	kW	74.3	74.3
		Btu/h	253,400	253,400
Input	Cooling (Rated)	kW	17.40	20.20
	Heating (Rated)	kW	15.89	15.99
	Heating (Max.)	kW	18.80	19.15
EER (Rated)			3.86	3.60
COP	Rated capacity		4.23	4.20
	Max. capacity		3.95	3.88
SEER			7.88	7.55
SCOP			4.34	4.34
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 2	62.1 × 2
	Number of Revolution	rev/min	3,600 × 2	3,600 × 2
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 2	900 × 2
	Air Flow Rate(High)	m^3/min	320 × 1	320 × 1
		ft^3/min	11,301 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP
Pipe Connections #1	Liquid	mm(inch)	15.88(5/8)	19.05(3/4)
	Low Pressure Gas	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
	High Pressure Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
Pipe Connections #2	Liquid	mm(inch)	15.88(5/8)	19.05(3/4)
	Gas	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760)×1	(1,240 × 1,690 × 760)×1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1

Note

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2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
4. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
   - Refer to EUROVENT web site(www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
9. #1 : Heat Recovery system, #2 : Heat Pump system

1. Specifications

HP			24	26
Model Name	Combination Unit		ARUM240LTE5	ARUM260LTE5
	Independent Unit		ARUM240LTE5	ARUM260LTE5
Net Weight		kg	310 × 1	310 × 1
		lbs	683 × 1	683 × 1
Sound Pressure Level	Cooling	dB(A)	65.0	65.0
	Heating	dB(A)	67.0	67.0
Sound Power Level	Cooling	dB(A)	95.0	95.0
	Heating	dB(A)	99.0	99.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No.×㎟	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refigerant name		R410A	R410A
	Precharged Amount	kg	17.0	17.0
		lbs	37.5	37.5
	t-CO_2 eq		35.5	35.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V, Ø, Hz	380-400-415, 3, 50/60	380-400-415, 3, 50/60
Running Current	Cooling (Rated)	A	28.40 - 26.98 - 26.00	33.00 - 31.35 - 30.22
	Heating (Max)	A	30.70 - 29.17 - 28.11	30.60 - 29.07 - 28.02
Number of maximum connectable indoor units ***			39(61)	42(64)

Note

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3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
4. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
5. Performances are based on the following conditions :
   - *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
6. EUROVENT Test Condition :
   - Performance values on the this PDB are based on Ceiling concealed duct combination.
   - Refer to EUROVENT web site(www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
9. #1 : Heat Recovery system, #2 : Heat Pump system