

MULTI SPLIT



LINE-UP

○ Single Only ● Compatible ● Multi Only

INDOOR UNIT									
Category	kBTu/h kW	5	7	9	12	15	18	24	
		1.5	2.1	2.6	3.5	4.2	5.3	7.0	
Wall Mounted Unit	ARTCOOL Gallery			●	●				
	ARTCOOL Mirror			●	●	●			
	Deluxe		●	●	●	●	●	●	
	Standard Plus	●	●	●	●	●	●	●	●
Ceiling Mounted Cassette	1 Way Cassette			●	●				
	4 Way Cassette	●	●	●	●		●	●	
Ceiling Concealed Duct	Mid / High Static Pressure						●	●	
	Low Static Pressure			●	●		●	●	
Ceiling & Floor Convertible Unit / Ceiling Suspended Unit			●	●		●	●		
Console			●	●		●			

OUTDOOR UNITS												
Category	kBTu/h kW	14	16	18	21	24	27	30	40	46	48	57
		4.1	4.7	5.3	6.2	7.0	7.9	8.8	11.7	13.5	14.1	16.7
Multi Piping	Max. 2 IDUs (10)	●	●									
	Max. 3 IDUs (10)			●	●							
	Max. 4 IDUs (10)				●	●						
Multi	Max. 5 IDUs (10)					●	●					
	Max. 7 IDUs (10, 30)						●	●				
DB Box Type	Max. 8 IDUs (10, 30)								●	●		
	Max. 9 IDUs (10, 30)										●	●

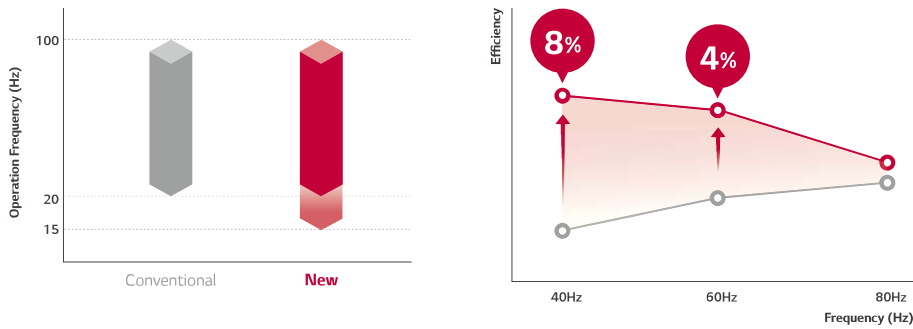
FEATURE OVERVIEW

Category	MULTI PIPING								DB BOX TYPE			
	14	16	18	21	24	27	30	40	40	46	48	57
kBTu/h	14	16	18	21	24	27	30	40	40	46	48	57
kW	4.1	4.7	5.3	6.2	7.0	7.9	8.8	11.7	11.7	13.5	14.1	16.7
Energy Efficiency	BLDC Comp. & Fan Motor	●	●	●	●	●	●	●	●	●	●	●
	Eurotest Certi.	●	●	●	●	●	●	●	●			
	Wide Louver Plus Fin	●	●	●	●	●	●	●	●	●	●	●
	Optimised Heat Exchanger Path	●	●	●	●	●	●	●	●	●	●	●
	Smart Load Control			●	●	●	●	●	●			
	Peak Current Control	●	●	●	●	●	●	●	●	●	●	●
	Standby Mode	●	●	●	●	●	●	●	●			
	Mode Lock	●	●	●	●	●	●	●	●	●	●	●
	Save Energy in Small Spaces	●	●	●	●	●	●	●	●	●	●	●
	Fast Cooling & Heating	Quick Cooling & Heating			●	●	●	●	●	●	●	●
Forced Cooling Operation		●	●	●	●	●	●	●	●	●	●	●
Comfort	Night Silent Operation	●	●	●	●	●	●	●	●	●	●	●
	Improved Grille & Fan	●	●	●	●	●	●	●	●	●	●	●
Smart	Wi-Fi Control	●	●	●	●	●	●	●	●	●	●	●
	Outdoor Dry Contact			●	●				●	●		
	Wiring Error Check	●	●	●	●	●	●	●	●	●	●	●
	Easy to Access PCB	●	●	●	●							
	LG MV	●	●	●	●	●	●	●	●	●	●	●

ENERGY EFFICIENCY

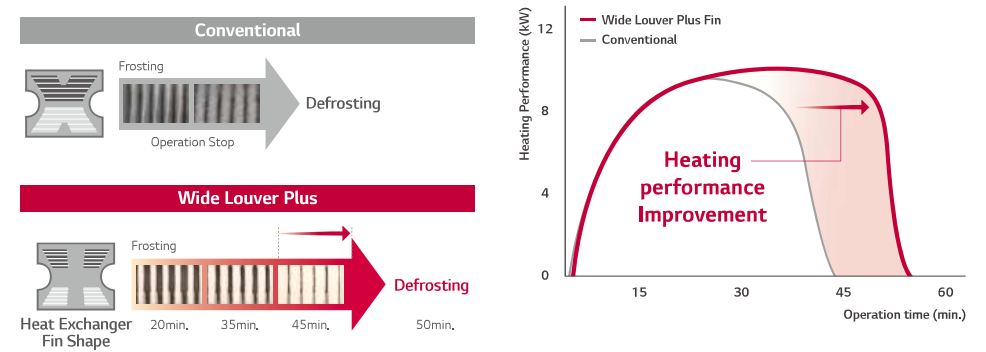
BLDC (Brushless Direct Current Motor) Compressor

LG air conditioners are equipped with a BLDC compressor that uses a strong neodymium magnet. The compressor has improved efficiency compared to standard AC inverter products and it is optimised for seasonal efficiency.



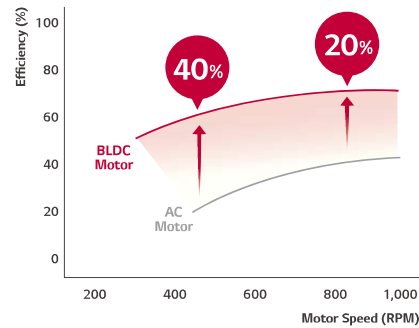
Wide Louver Plus Fin

Wide Louver Plus fin technology increases 11% of full load heating performance and 6% of COP compared to conventional fin. It can slow down frosting of heat exchanger and postpone the start of defrosting operation.



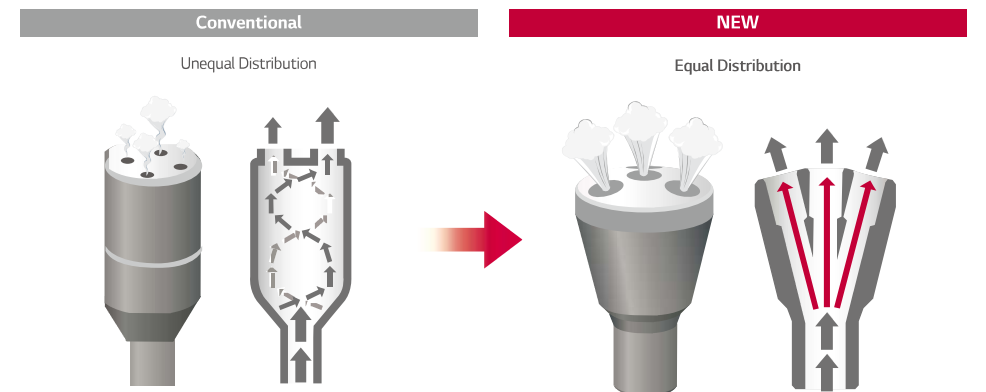
BLDC Fan Motor

The BLDC Fan motor is more efficient than a conventional AC motor, offering an additional 40% energy savings at low speeds and 20% at high speeds.



Optimised Heat Exchanger Path

Optimised heat exchanger path improved cycle efficiency up to 5%.



Eurovent Certification

LG Electronics participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

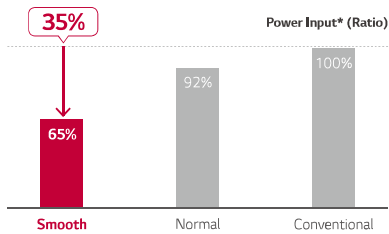
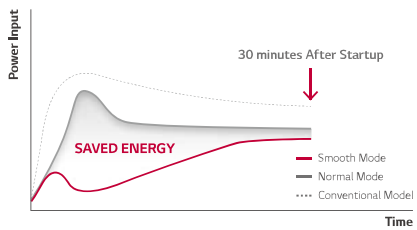


ENERGY EFFICIENCY

Smart Load Control

Startup Operation Energy Saving

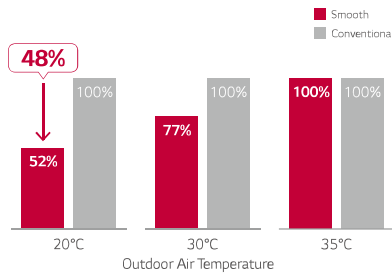
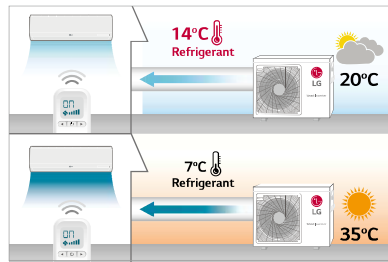
If you choose "Smooth mode" by dip switch at ODU, the loads and discharge air temperature will be automatically changed by outdoor and setting temperature. During 30 minutes after startup, you can save 35% power input compared to conventional one.



* This image is a schematic diagram to help you understand, represent the trend of the conventional model and the new model.

Real Time Energy Saving

After started up 30 minutes on Smooth mode, ODU changes indoor discharge air temperature continuously according to load.

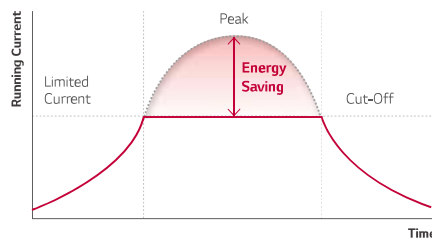


* Applied Models: MU3M19 UE4 / MU3M21 UE4 / MU4M25 U44 / MU4M27 U44 / MU5M30 U44 / MU5M40 U02 / FM40AH U02

* Tested Model / Condition: MU3M19 UE4 / ISO 5151

Peak Current Control

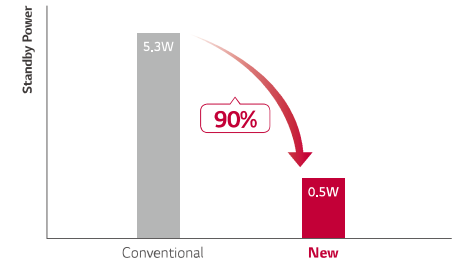
The peak current control function keeps the air conditioner from running at the maximum level while maintaining current system setting, in order to reduce energy consumption. This function can help to cut energy costs during the peak periods of energy use when the energy fee is much higher.



Standby Mode

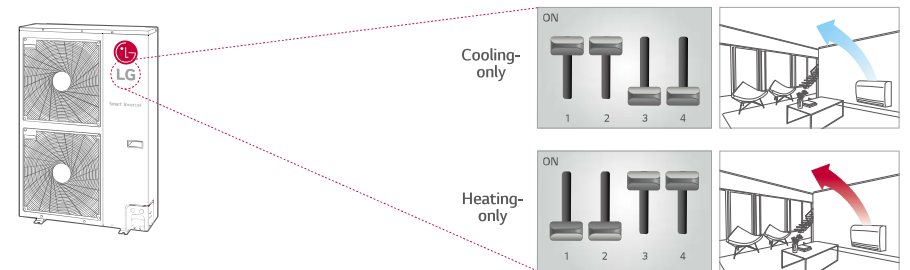
This function can minimise power consumption by turning power off on the PCB except for the MICOM which receives signals.

* Based on MU3M19 UE4



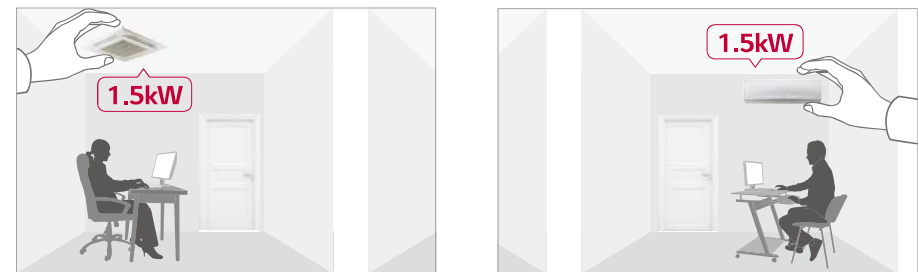
Mode Lock

Setting operation mode to either cooling-only or heating-only by adjusting dip switch, in order to prevent mixed use of cooling and heating.



Save Energy in Small Spaces

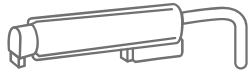
LG has 1.5kW Indoor Unit (Ceiling Mounted Cassette / Wall Mounted Unit) that is enough to small spaces with MULTI Split system.



* 1.5kW: PM05SP NSJ (Wall Mounted Unit) / MT06AH NRO (4 Way Cassette)

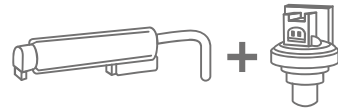
FAST COOLING & HEATING

Quick Response



Conventional

- Step 1** Sensing current temperature of refrigerant, indoor and outdoor temperature
- Step 2 Estimating Pressure**
Finding recorded target pressure to operate compressor, based on the corresponding temperature data
▲
This algorithm is more likely to be impacted by temperature change and it takes more time to calculate proper operation range of compressor to target point.

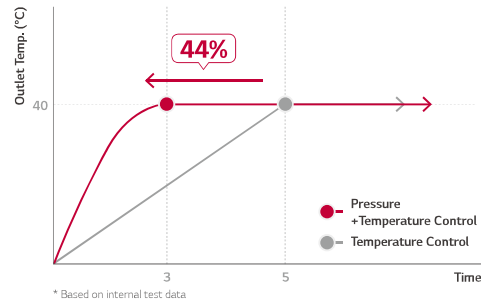


LG Inverter

- Step 1** Sensing refrigerant pressure and temperature simultaneously to make sure compressor ready for target cooling operation
▲
This ensures to reach target performance point without failing to keep a reliable operation.

Heating

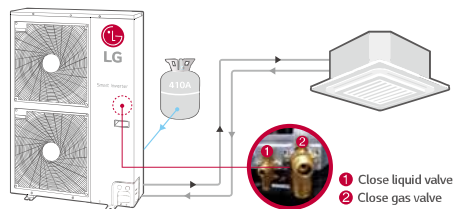
Pressure control takes less time to reach the desired temperature up to 30% in cooling and 44% in heating with high level of accuracy and stability.



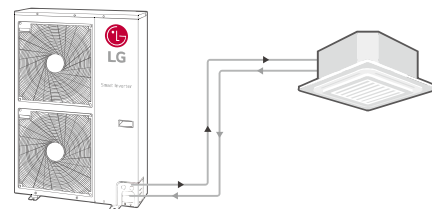
Forced Cooling Operation

The forced cooling operation allows refrigerant to be recharged or pumped down, regardless of the indoor temperature. More importantly this function can be used when indoor units are being moved or repaired.

Recharging



Pump Down

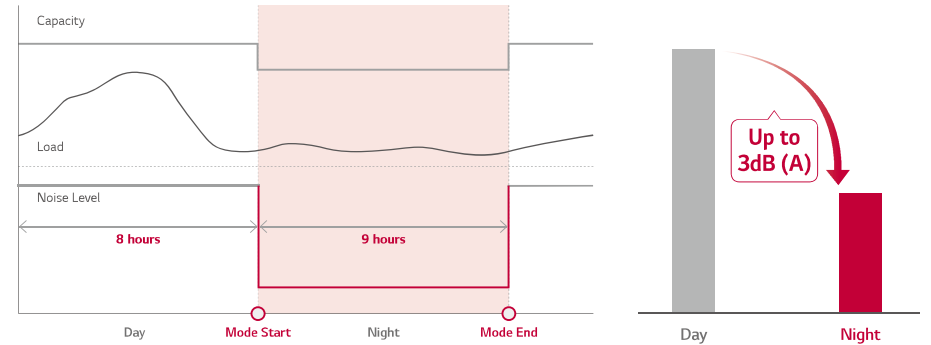


COMFORT

Night Silent Operation

Night silent operation can reduce noise levels at night time by simply setting the dip switch on the PCB of the outdoor unit.

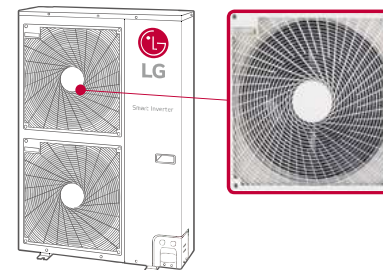
Cooling Mode



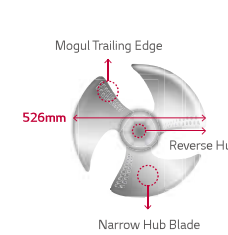
Improved Grille & Fan

The new grille shape design on the outdoor unit helps to disperse air more efficiently which improves heat exchange and reduces noise level. The new axial fan has a thick front edge and smooth rear edge, this provides a high efficiency, low noise, wide fan, as well as improving the air flow rate.

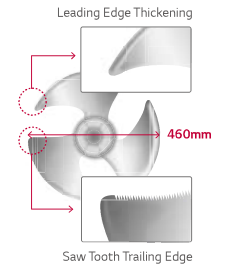
Grille



Fan Type 1



Fan Type 2



SMART

Wi-Fi Control

LG all MULTI SPLIT can be controlled by Wi-Fi via smart internet devices as Android or iOS based smartphones and Intesis Wi-Fi Module. (Option)

1) Connection with Indoor Units with IR Receiver



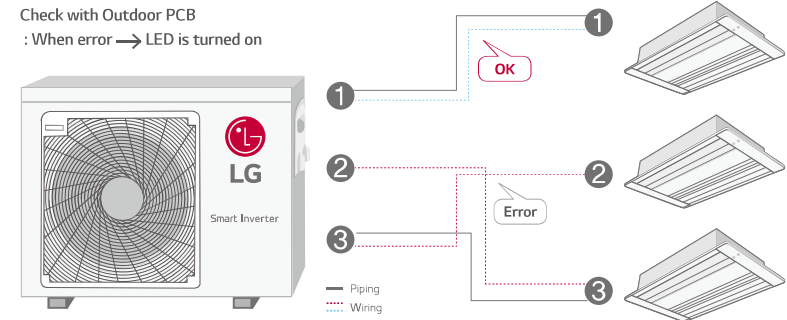
1) This product is provided by INTESIS. For more information, please contact INTESIS directly

2) Connection with Duct Type Indoor Units



Wiring Error Check

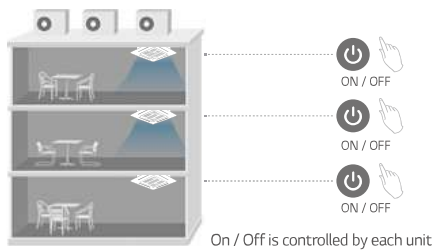
Installers can check whether the transmission cable has been connected correctly by using the wiring error check function. Previously when the transmission cable was wrongly connected, several checks and reinstallations were needed. However the wiring error check can reduce the time taken to check for transmission cable errors.



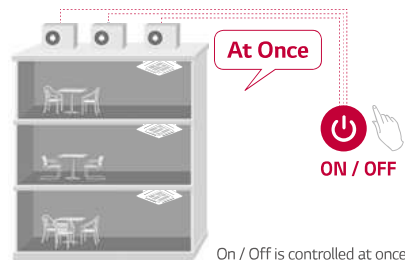
Outdoor Dry Contact

LG New models have applied outdoor dry contact on outdoor unit. It can make you easily take on and off all indoor units at once.

Conventional



New

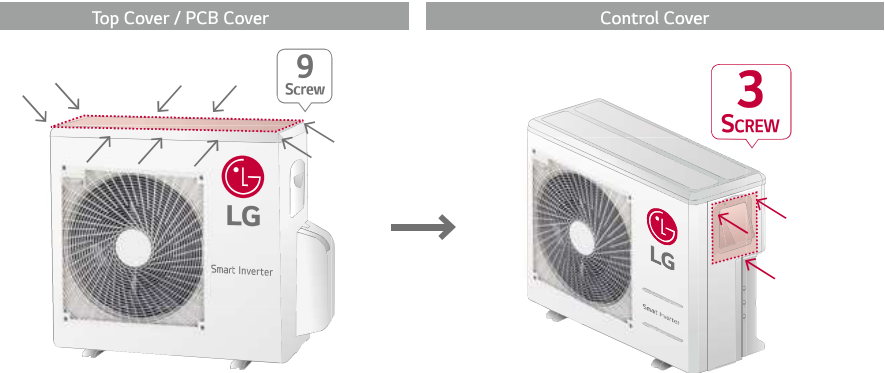


* Applied Models : MU3M19 UE4 / MU3M21 UE4 / MU5M40 UO2 / FM40AH UO2

Easy to Access PCB

Users can easily access data by opening the control cover and checking the PCB on the side of the unit.

• Easy to check PCB



* Applied Models : MU2M15 UL4 / MU2M17 UL4 / MU3M19 UE4 / MU3M21 UE4

SMART

LG MV (Monitoring View)

LG MV helps engineers to inspect and monitor air conditioning units easily. Information is provided by product type. (SINGLE Split & MULTI Split)



- IDU info.
- Cycle & Valves
- Actuator info.
- Sensors & Electricity
- ODU info.

LG MV provides cycle information with diagrams and the user can check accumulated data on a graph. A technician can easily check the error status by looking at the indicator information. (Troubleshooting guide)

• Error Indicator

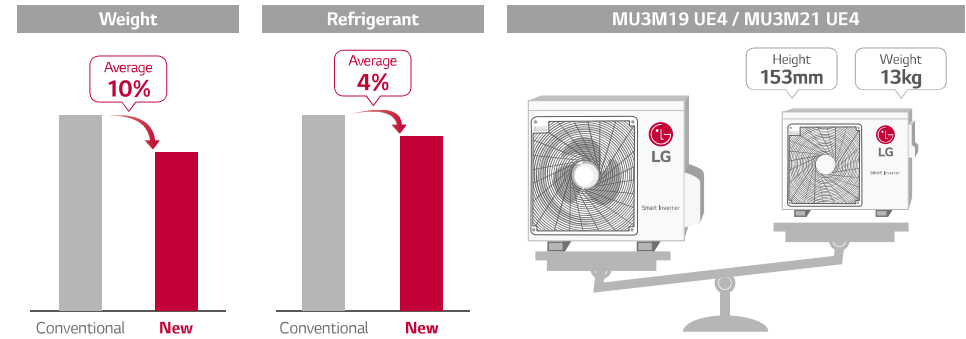
Error Code	Contents
01	Air temperature sensor of indoor unit
02	Inlet pipe temperature sensor of indoor unit
03	Communication error: Wired Remote Controller ↔ Indoor Unit



CONVENIENCE

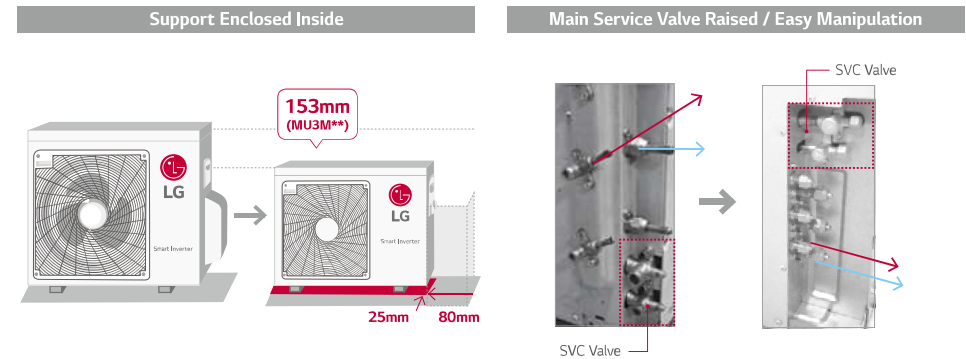
Compact Size & Light Weight

The MULTI F are more compact and lighter compared to previous models. The reduction in weight makes it easier to carry and install.



Inner Support

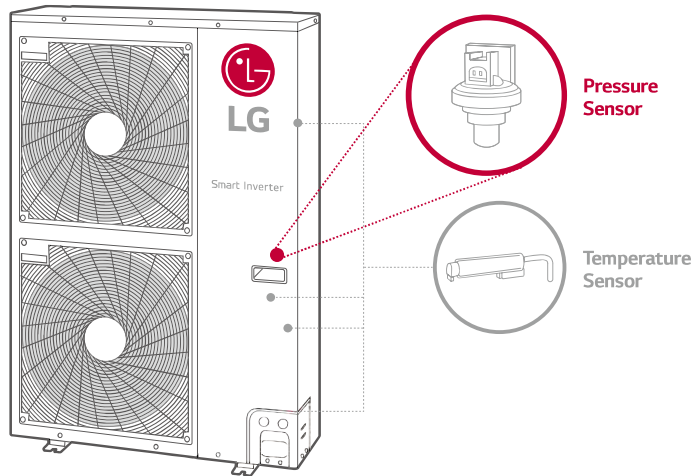
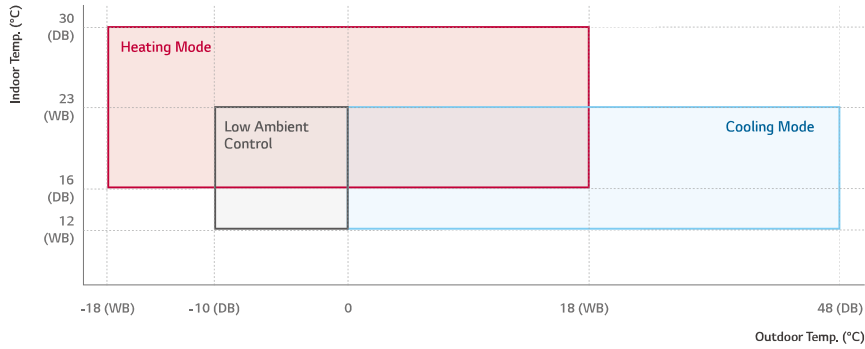
The Multi F has a better design so that the piping cover is enclosed and the size reduced by 80mm and 25mm at the side and back respectively. As a result it is possible to install the unit close to a wall. As well as the easily accessible service valve, it is possible to conveniently service the outdoor unit when installed below a window.



OPERATION RANGE

Wide Operation Range

Multi split has wide operation range, it can be ideal solution for server rooms, machine rooms and kitchen.



FLEXIBLE COMBINATION

Long and High Elevation Piping

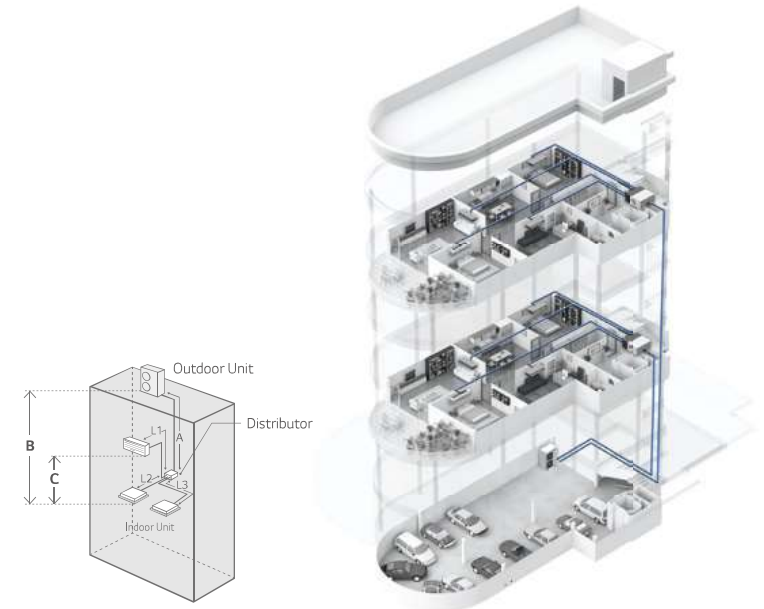
FM56AH supports piping lengths of up to 145m and elevations of up to 30m for more flexible in installations.

• Multiple Piping Type

(m)	MU2M15 / MU2M17	MU3M19 / MU3M21	MU4M25 / MU4M27	MU5M30	MU5M40
Total Piping Length	30	50	70	75	85
Piping Length per Branch	20	25	25	25	25
Max.Elevation	Indoor - Outdoor	15	15	15	15
	Indoor - Indoor	7.5	7.5	7.5	7.5

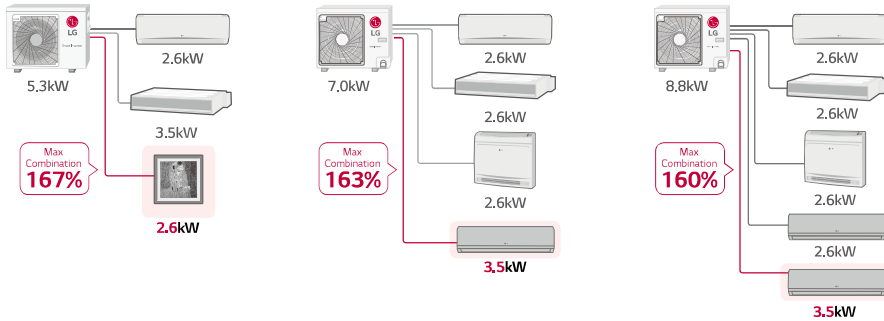
• Distribution Box Type

(m)	FM40AH	FM41AH	FM48AH / FM49AH	FM56AH / FM57AH
Total Pipe (A + L1 + L2 + L3)	100	125	135	145
Main Pipe (A)	50	55	55	55
Total Branch Pipe (L1 + L2 + L3)	50	70	80	90
Each Branch Pipe	15	15	15	15
Max.Elevation	Indoor - Outdoor (B)	30	30	30
	Indoor - Indoor (C)	15	15	15



FLEXIBLE COMBINATION

Indoor Capacity Combination



Compatible Indoor Units

A total of 17 indoor units are compatible between Commercial Single Split Outdoor and MULTI, which is more efficient for warehouses and stock control.



Various Combinations



14 Outdoor Units

Over
2000
Combinations

40 Indoor Units

- Cassettes: CT09 NR2, CT12 NR2, CT18 NQ4, CT24 NP4
- Ceiling & Floor / Ceiling Suspended: CV09 NE2, CV12 NE2, CV18 NJ2, CV24 NJ2
- Console: CQ09 NAO, CQ12 NAO, CQ18 NAO
- Ducts: CM18 N14, CM24 N14, CB09L N12, CB12L N22, CB18L N22, CB24L N32

OUTDOOR UNITS



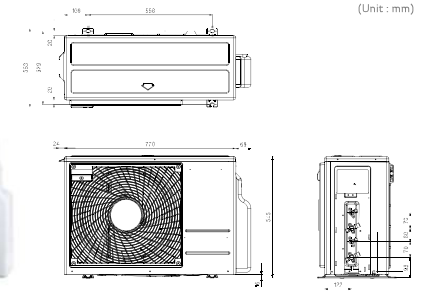
MULTI SPLIT OUTDOOR UNITS SPECIFICATION

OUTDOOR UNITS

MU2M15
MU2M17



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
www.eurovent-certification.com



OUTDOOR UNIT				MU2M15 UL4	MU2M17 UL4
Compressor	Type			Twin Rotary	Twin Rotary
Capacity *	Cooling	Min/Nom/Max	kW	0,9/4,1/4,7	0,9/4,7/5,4
	Heating	Min/Nom/Max	kW	1,0/4,7/5,4	1,0/5,3/5,7
Low Temperature Capacity	Heating -7°C	Max	kW	3,3	3,7
	Cooling	Min/Nom/Max	kW	0,2/1,0/1,4	0,2/1,3/1,7
Power Input *	Heating	Min/Nom/Max	kW	0,2/1,1/1,5	0,2/1,2/1,7
	Cooling	Min/Nom/Max	A	1,1/4,6/6,4	1,1/5,6/7,9
Running Current	Heating	Min/Nom/Max	A	1,1/4,9/6,7	1,1/5,5/7,6
				4,15	3,75
			4,40	4,25	
			7,60	7,50	
			4,20	4,20	
Pdesign (@-10°C)			kW	4,1	4,1
Seasonal Energy Label		Cooling/Heating		A++/A+	A++/A+
Annual Energy Consumption		Cooling/Heating		189 / 1367	219 / 1367
Airflow Rate		Nom	m ³ /min	28,2	28,2
Sound Pressure	Cooling	Nom	dBA	48	48
	Heating	Nom	dBA	51	51
Sound Power	Cooling	Max	dBA	61	63
				770 x 545 x 288	770 x 545 x 288
Dimensions			mm		
Net Weight			Kg	37	37
Refrigerant	Type / Charge	Kg-TCO		R410A	R410A
	Charge	Kg		1,4	1,4
	Additional Charge	g/m		20	20
	GWP			2087,5	2087,5
	τ-CO ₂ eq			2,9	2,9
Operation Range (Outdoor)	Cooling	Min-Max	°C DB	-10-48	-10-48
	Heating	Min-Max	°C WB	-18-18	-18-18
Power Supply		ØV/Hz		1/220-240/50	1/220-240/50
Power Supply Cable		No,xmm ²		3Cx2,5	3Cx2,5
Transmission Cable		No,xmm ²		4Cx0,75	4Cx0,75
Circuit Breaker		A		15	15
Piping Length Total		m		30	30
Piping Length per Branch		Max	m	20	20
Piping Elevation Difference	IDU-ODU	Max	m	15	15
	IDU-IDU	Max	m	7,5	7,5
Piping Connection	Liquid	mm(inch)xNo.		Ø6,35 (1/4)x2	Ø6,35 (1/4)x2
	Gas	mm(inch)xNo.		Ø9,52 (3/8)x2	Ø9,52 (3/8)x2

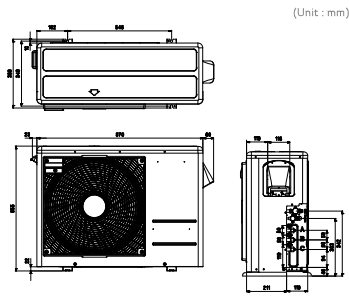
Notes: 1, Capacities are based on the following conditions:
 Heating - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
 - Outdoor Temperature 7°C(44,6°F) DB/6°C(42,8°F) WB
 Piping Length - Interconnecting Piping Length 7,5m
 - Level Difference of Zero
 2, *: See page "Combination Table".
 3, Due to our policy of innovation some specifications may be changed without notification.
 4, At least two indoor units should be connected
 5, Minimum combination capacity rate should be more than 40%
 6, This product contains fluorinated greenhouse gases (R410A).

OUTDOOR UNITS

MU3M19
MU3M21



LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification: www.eurovent-certification.com



(Unit : mm)

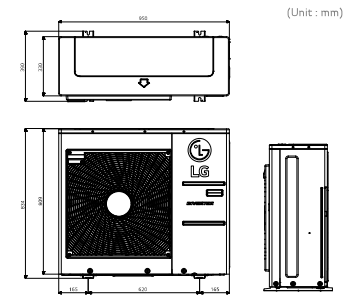
OUTDOOR UNIT				MU3M19 UE4	MU3M21 UE4	
Compressor	Type			Twin Rotary	Twin Rotary	
	Capacity *	Cooling	Min/Nom/Max kW	1,1/5,3/6,3	1,1/6,2/7,3	
Capacity *	Heating	Min/Nom/Max kW	1,2/6,3/7,3	1,2/7,0/7,8		
	Low Temperature Capacity	Heating -7°C	Max kW	4,4	4,9	
Power Input *	Cooling	Min/Nom/Max kW	0,3/1,3/1,8	0,3/1,5/2,2		
	Heating	Min/Nom/Max kW	0,3/1,5/2,1	0,3/1,7/2,4		
Running Current	Cooling	Min/Nom/Max A	1,2/5,8/8,7	1,2/7,2/10,0		
	Heating	Min/Nom/Max A	1,2/6,8/9,7	1,2/7,7/11,0		
EER			4,20	4,00		
COP			4,30	4,20		
SEER			7,60	7,30		
SCOP			4,21	4,21		
Pdesign (@-10°C)			kW	5,2	5,2	
Seasonal Energy Label	Cooling/Heating			A++/A+	A++/A+	
Annual Energy Consumption	Cooling/Heating			243 / 1729	283 / 1729	
Airflow Rate	Nom			m ³ /min	50	50
	Cooling	Nom	dBA	49	50	
Sound Pressure	Heating	Nom	dBA	54	54	
	Cooling	Max	dBA	63	64	
Dimensions	W x H x D		mm		870 x 655 x 320	870 x 655 x 320
Net Weight	Type / Charge		Kg- TCO		R410A	R410A
	Charge			Kg	1,7	1,7
Refrigerant	Additional Charge			g/m	20	20
	GWP				2,087,5	2,087,5
	t-CO ₂ eq				3,5	3,5
Operation Range(Outdoor)	Cooling	Min-Max	°C DB	-10-48	-10-48	
	Heating	Min-Max	°C WB	-18-18	-18-18	
Power Supply			Ø/V/Hz	1/220-240/50	1/220-240/50	
Power Supply Cable			No.xmm ²	3Cx2,5	3Cx2,5	
Transmission Cable			No.xmm ²	4Cx0,75	4Cx0,75	
Circuit Breaker			A	20	20	
Piping Length Total			m	50	50	
Piping Length per Branch	Max		m	25	25	
	IDU-ODU	Max	m	15	15	
Piping Elevation Difference	IDU-IDU	Max	m	7,5	7,5	
	Liquid			mm(inch)xNo.	Ø6,35 (1/4)x3	Ø6,35 (1/4)x3
Piping Connection			mm(inch)xNo.	Ø9,52 (3/8)x3	Ø9,52 (3/8)x3	

Notes: 1, Capacities are based on the following conditions:
 Heating - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
 - Outdoor Temperature 7°C(44,6°F) DB/5°C(42,8°F) WB
 Piping Length - Interconnecting Piping Length 7,5m
 - Level Difference of Zero
 2, *: See page "Combination Table".
 3, Due to our policy of innovation some specifications may be changed without notification.
 4, At least two indoor units should be connected
 5, Minimum combination capacity rate should be more than 40%
 6, This product contains fluorinated greenhouse gases (R410A).

MU4M25
MU4M27
MU5M30



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(Unit : mm)

OUTDOOR UNIT				MU4M25 U44	MU4M27 U44	MU5M30 U44	
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	
	Capacity *	Cooling	Min/Nom/Max kW	1,3/7,0/8,5	1,3/7,9/9,5	1,3/8,8/10,6	
Capacity *	Heating	Min/Nom/Max kW	1,5/8,4/9,4	1,5/9,1/10,6	1,5/10,1/12,1		
	Low Temperature Capacity	Heating -7°C	Max kW	5,9	6,4	7,1	
Power Input *	Cooling	Min/Nom/Max kW	0,4/1,5/2,7	0,4/2,0/3,2	0,4/2,3/3,6		
	Heating	Min/Nom/Max kW	0,6/1,9/3,0	0,6/2,1/3,5	0,6/2,3/3,7		
Running Current	Cooling	Min/Nom/Max A	1,9/7,4/12,1	1,9/8,9/14,4	1,9/10,2/16,2		
	Heating	Min/Nom/Max A	2,8/8,6/13,4	2,8/9,6/15,7	2,8/10,4/16,8		
EER			4,30	4,00	3,90		
COP			4,40	4,30	4,41		
SEER			7,30	7,20	7,00		
SCOP			4,00	4,00	4,00		
Pdesign (@-10°C)			kW	7,0	7,0	7,2	
Seasonal Energy Label	Cooling/Heating			A++/A+	A++/A+	A++/A+	
Annual Energy Consumption	Cooling/Heating			337 / 2450	385 / 2450	440 / 2520	
Airflow Rate	Nom			m ³ /min	60	60	
	Cooling	Nom	dBA	49	50	50	
Sound Pressure	Heating	Nom	dBA	53	54	54	
	Cooling	Max	dBA	64	65	66	
Dimensions	W x H x D		mm		950 x 834 x 330	950 x 834 x 330	950 x 834 x 330
Net Weight	Type / Charge		Kg- TCO		R410A	R410A	R410A
	Charge			Kg	2,8	2,8	3,2
Refrigerant	Additional Charge			g/m	20	20	
	GWP				2,087,5	2,087,5	
	t-CO ₂ eq				5,8	5,8	
Operation Range(Outdoor)	Cooling	Min-Max	°C DB	-10-48	-10-48	-10-48	
	Heating	Min-Max	°C WB	-18-18	-18-18	-18-18	
Power Supply			Ø/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	
Power Supply Cable			No.xmm ²	3Cx2,5	3Cx2,5	3Cx2,5	
Transmission Cable			No.xmm ²	4Cx0,75	4Cx0,75	4Cx0,75	
Circuit Breaker			A	25	25	25	
Piping Length Total			m	70	70	75	
Piping Length per Branch	Max		m	25	25	25	
	IDU-ODU	Max	m	15	15	15	
Piping Elevation Difference	IDU-IDU	Max	m	7,5	7,5	7,5	
	Liquid			mm(inch)xNo.	Ø6,35 (1/4)x4	Ø6,35 (1/4)x4	Ø6,35 (1/4)x5
Piping Connection			mm(inch)xNo.	Ø9,52 (3/8)x4	Ø9,52 (3/8)x4	Ø9,52 (3/8)x5	

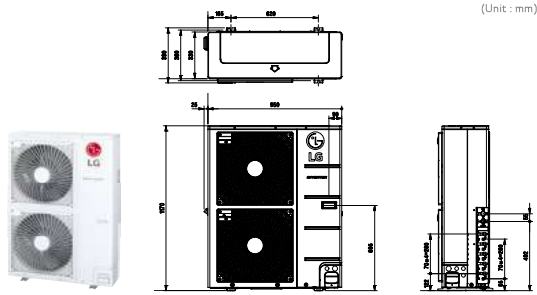
Notes: 1, Capacities are based on the following conditions:
 Heating - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
 - Outdoor Temperature 7°C(44,6°F) DB/5°C(42,8°F) WB
 Piping Length - Interconnecting Piping Length 7,5m
 - Level Difference of Zero
 2, *: See page "Combination Table".
 3, Due to our policy of innovation some specifications may be changed without notification.
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 6, This product contains fluorinated greenhouse gases (R410A).

OUTDOOR UNITS

MU5M40



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(Unit : mm)

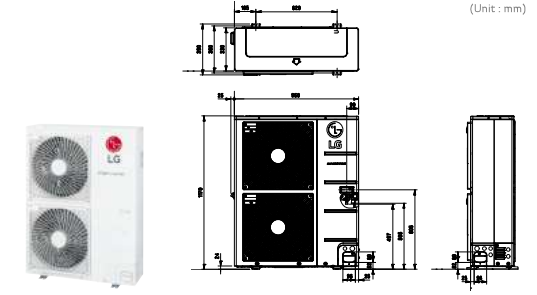
OUTDOOR				MU5M40 UO2	
Compressor	Type			Twin Rotary	
Capacity*	Cooling	Min / Nom / Max	kW	0,9 / 11,2 / 13,5	
	Heating	Min / Nom / Max	kW	1,0 / 12,5 / 15,0	
Low Temperature Capacity	Heating -7°C	Max	kW	11,0	
	Cooling	Min / Nom / Max	kW	0,8 / 2,7 / 4,2	
Power Input*	Heating	Min / Nom / Max	kW	0,8 / 2,8 / 4,5	
	Cooling	Min / Nom / Max	A	3,5 / 12,1 / 18,4	
Running Current	Heating	Min / Nom / Max	A	3,6 / 12,5 / 19,7	
				4,10	
			COP	4,45	
			SEER	5,80	
			SCOP	3,81	
			Pdesign (@ -10°C)	kW	11,8
Seasonal Energy Label		Cooling / Heating	A+ / A		
Annual Energy Consumption		Cooling / Heating	kWh		643 / 4,236
Airflow Rate		Nom	m ³ /min	90	
Sound Pressure	Cooling	Nom	dBA	53	
	Heating	Nom	dBA	55	
Sound Power	Cooling	Max	dBA	67	
Dimensions	W x H x D		mm		950 x 1,170 x 330
Net Weight				kg	84,0
	Type				R410A
Refrigerant	Charge			kg	3,8
	Additional Charge			g/m	20
	GVWP				2,087,5
	t-CO ₂ eq				7,9
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	
	Heating	Min - Max	°C WB	-18 - 18	
Power Supply				Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable				No. x mm ²	3C x 3,5
Transmission Cable				No. x mm ²	4C x 0,75
Circuit Breaker				A	30
Piping Length Total				m	85
				m	25
	IDU - ODU	Max	m	15	
	IDU - IDU	Max	m	7,5	
Piping Connection	Liquid			mm (inch) x No.	Ø6,35 (1/4) x 5
	Gas			mm (inch) x No.	Ø9,52 (3/8) x 5

Note : 1. Capacities are based on the following conditions:
 Cooling - Indoor Temperature 27°C (80,6°F) DB / 19°C (66,2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75,2°F) WB
 Heating - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44,6°F) DB / 6°C (42,8°F) WB
 Piping Length - Interconnecting Piping Length 7,5m - Level Difference of Zero.
 2. * : See page "Combination Table".
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. At least two indoor units should be connected.
 5. Minimum combination capacity rate should be more than 40%.
 6. This product contains fluorinated greenhouse gases (R410A)

FM40AH



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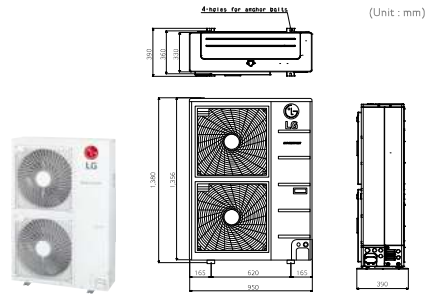
(Unit : mm)

OUTDOOR				FM40AH UO2	
Compressor	Type			Twin Rotary	
Capacity*	Cooling	Min / Nom / Max	kW	2,8 / 11,2 / 13,5	
	Heating	Min / Nom / Max	kW	3,1 / 12,5 / 15,0	
Low Temperature Capacity	Heating -7°C	Max	kW	11,0	
	Cooling	Min / Nom / Max	kW	0,8 / 2,7 / 4,2	
Power Input*	Heating	Min / Nom / Max	kW	0,8 / 2,8 / 4,5	
	Cooling	Min / Nom / Max	A	3,5 / 12,1 / 18,4	
Running Current	Heating	Min / Nom / Max	A	3,6 / 12,5 / 19,7	
				4,10	
			COP	4,45	
			SEER	5,60	
			SCOP	3,81	
			Pdesign (@ -10°C)	kW	11,8
Seasonal Energy Label		Cooling / Heating	A+ / A		
Annual Energy Consumption		Cooling / Heating	kWh		643 / 4,236
Airflow Rate		Nom	m ³ /min	90	
Sound Pressure	Cooling	Nom	dBA	53	
	Heating	Nom	dBA	55	
Sound Power	Cooling	Max	dBA	67	
Dimensions	W x H x D		mm		950 x 1,170 x 330
Net Weight				kg	82,0
	Type				R410A
Refrigerant	Charge			kg	3,8
	Additional Charge			g/m	20
	GVWP				2,087,5
	t-CO ₂ eq				7,9
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	
	Heating	Min - Max	°C WB	-18 - 18	
Power Supply				Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable				No. x mm ²	3C x 3,5
Transmission Cable	ODU-BD			No. x mm ²	4C x 1,25
	BD-IDU			No. x mm ²	4C x 0,75
Circuit Breaker				A	30
Max Piping Length	Total Piping (Main + Total Branch)			m	100
	Main Piping			m	50
	Total Branch Piping			m	50
	Each Branch Piping			m	15
Piping Elevation Difference	IDU - ODU	Max	m	30	
	IDU - IDU	Max	m	15	
Piping Connection	Liquid			mm (inch)	Ø9,52 (3/8)
	Gas			mm (inch)	Ø19,05 (3/4)

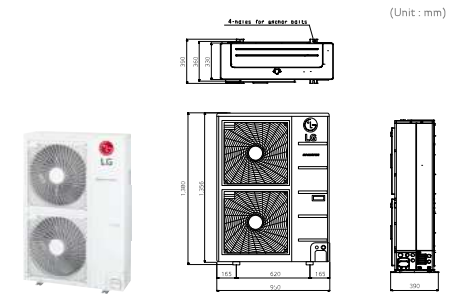
Note : 1. Capacities are based on the following conditions:
 Cooling - Indoor Temperature 27°C (80,6°F) DB / 19°C (66,2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75,2°F) WB
 Heating - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44,6°F) DB / 6°C (42,8°F) WB
 Piping Length - Interconnecting Piping Length 7,5m - Level Difference of Zero.
 2. * : See page "Combination Table".
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. At least two indoor units should be connected.
 5. Minimum combination capacity rate should be more than 40%.
 6. This product contains fluorinated greenhouse gases (R410A)

OUTDOOR UNITS

**FM48AH
FM56AH**



**FM41AH
FM49AH
FM57AH**



OUTDOOR				FM48AH U32	FM56AH U32
Compressor	Type			Twin Rotary	Twin Rotary
	Capacity*	Cooling	Min / Nom / Max	kW	3,3 / 14,0 / 17,0
Capacity*	Heating	Min / Nom / Max	kW	3,7 / 16,0 / 17,3	4,5 / 17,4 / 18,8
	Low Temperature Capacity	Heating -7°C	Max	kW	14,8
Power Input*	Cooling	Min / Nom / Max	kW	0,8 / 3,2 / 5,1	1,0 / 3,9 / 5,9
	Heating	Min / Nom / Max	kW	1,3 / 3,7 / 5,2	1,5 / 4,2 / 6,2
Running Current	Cooling	Min / Nom / Max	A	3,9 / 13,2 / 22,3	4,6 / 16,1 / 25,7
	Heating	Min / Nom / Max	A	6,9 / 15,6 / 22,7	7,4 / 16,8 / 27,2
EER				4,41	4,01
COP				4,37	4,18
SEER				-	-
SCOP				-	-
Pdesign (@ -10°C)			kW	-	-
Seasonal Energy Label	Cooling / Heating			-	-
Annual Energy Consumption	Cooling / Heating		kWh	-	-
Airflow Rate	Nom			120	120
	Cooling	Nom	m ³ /min	54	54
Sound Pressure	Heating	Nom	dB(A)	56	56
	Cooling	Max	dB(A)	68	69
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	96,0	96,0
Refrigerant	Type			R410A	R410A
	Charge			4,4	4,4
	Additional Charge			20	20
	GWP			2,087,5	2,087,5
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply	Ø / V / Hz			1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 4,0	3C x 4,0
Transmission Cable	ODU-BD			4C x 1,25	4C x 1,25
	BD-IDU			4C x 0,75	4C x 0,75
Circuit Breaker			A	40	40
Max Piping Length	Total Piping (Main + Total Branch)		m	135	145
	Main Piping		m	55	55
	Total Branch Piping		m	80	90
	Each Branch Piping		m	15	15
Piping Elevation Difference	IDU - ODU	Max	m	30	30
	IDU - IDU	Max	m	15	15
Piping Connection	Liquid			Ø9,52 (3/8)	Ø9,52 (3/8)
	Gas			Ø19,05 (3/4)	Ø19,05 (3/4)

OUTDOOR				FM41AH U32	FM49AH U32	FM57AH U32
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
	Capacity*	Cooling	Min / Nom / Max	kW	2,8 / 12,1 / 14,1	3,3 / 14,0 / 17,0
Capacity*	Heating	Min / Nom / Max	kW	3,2 / 12,5 / 15,2	3,7 / 16,0 / 17,3	4,5 / 17,4 / 18,8
	Low Temperature Capacity	Heating -7°C	Max	kW	11,1	13,6
Power Input*	Cooling	Min / Nom / Max	kW	0,8 / 2,4 / 3,8	0,8 / 3,2 / 5,1	1,0 / 3,9 / 5,9
	Heating	Min / Nom / Max	kW	0,9 / 2,5 / 4,7	1,3 / 3,7 / 5,2	1,5 / 4,2 / 6,2
Running Current	Cooling	Min / Nom / Max	A	1,5 / 3,3 / 5,7	1,8 / 4,4 / 7,3	2,3 / 5,4 / 8,4
	Heating	Min / Nom / Max	A	1,7 / 3,3 / 6,9	2,1 / 5,1 / 7,5	2,5 / 5,5 / 9,0
EER				4,68	4,41	4,01
COP				4,92	4,37	4,18
SEER				-	-	-
SCOP				-	-	-
Pdesign (@ -10°C)			kW	-	-	-
Seasonal Energy Label	Cooling / Heating			-	-	-
Annual Energy Consumption	Cooling / Heating		kWh	-	-	-
Airflow Rate	Nom			120	120	120
	Cooling	Nom	m ³ /min	53	54	54
Sound Pressure	Heating	Nom	dB(A)	55	56	56
	Cooling	Max	dB(A)	67	68	69
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	96,0	96,0	96,0
Refrigerant	Type			R410A	R410A	R410A
	Charge			4,4	4,4	4,4
	Additional Charge			20	20	20
	GWP			2,087,5	2,087,5	2,087,5
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48	-10 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply	Ø / V / Hz			3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm ²	5C x 2,5	5C x 2,5	5C x 2,5
Transmission Cable	ODU-BD			4C x 1,25	4C x 1,25	4C x 1,25
	BD-IDU			4C x 0,75	4C x 0,75	4C x 0,75
Circuit Breaker			A	20	20	20
Max Piping Length	Total Piping (Main + Total Branch)		m	125	135	145
	Main Piping		m	55	55	55
	Total Branch Piping		m	70	80	90
	Each Branch Piping		m	15	15	15
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30
	IDU - IDU	Max	m	15	15	15
Piping Connection	Liquid			Ø9,52 (3/8)	Ø9,52 (3/8)	Ø9,52 (3/8)
	Gas			Ø19,05 (3/4)	Ø19,05 (3/4)	Ø19,05 (3/4)

Note: 1. Capacities are based on the following conditions:
 Cooling - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
 Heating - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
 2. * - See page "Combination Table".
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. At least two indoor units should be connected.
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 6. This product contains fluorinated greenhouse gases (R410A)

Note: 1. Capacities are based on the following conditions:
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 Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
 2. * - See page "Combination Table".
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INDOOR UNITS



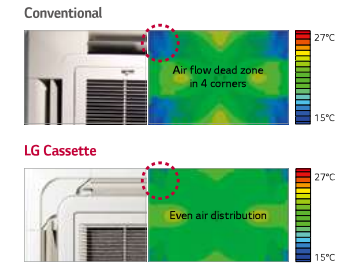
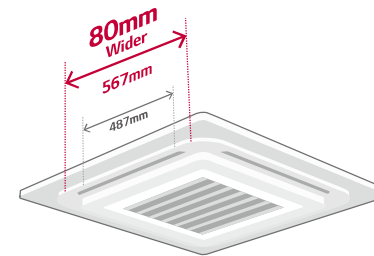
MULTI SPLIT INDOOR UNITS KEY FEATURES

CEILING MOUNTED CASSETTE

RESIDENTIAL

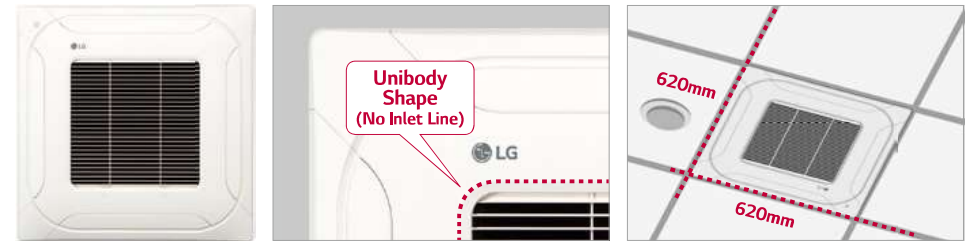
950/700 Panel – Wide Air Flow

Improved vanes reduce the curved area and provide better air and temperature distribution.



620 Panel – Compact and Stylish Design

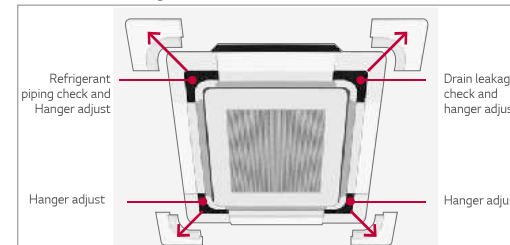
- New 4 way cassette panel adapted unibody shape and matching with into the ceiling
- Panel size is fit into the ceiling tile



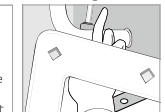
Convenient Panel Installation

The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe.

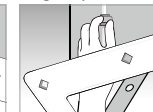
Detachable Corner Design



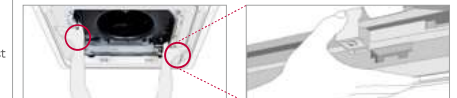
Drain Leakage Check



Hanger Adjust



It is easy to install the panel to the body, using the button type panel design.

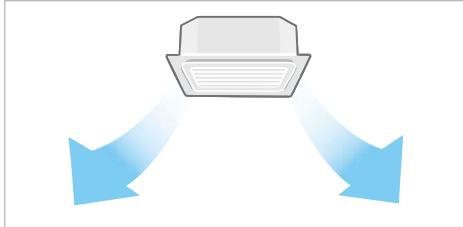


CEILING MOUNTED CASSETTE

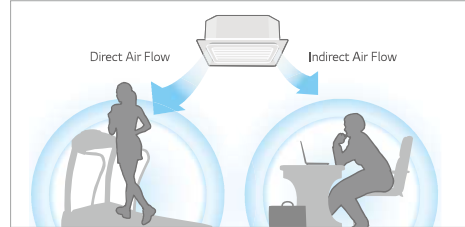
Independent Vane Control

The Independent Vane Operation feature uses separate motors, making it possible to control all four vanes independently.

All Vane Operation

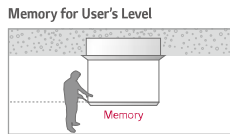
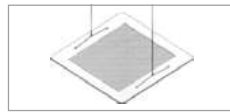


Independent Vane Control

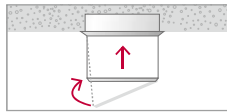


Auto Elevation Grille

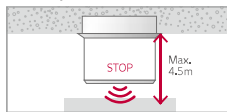
Easy filter cleaning with elevation grill.



Auto Leveling



Auto Stop Detection



* Operating with Wired Remote Controller PQRCV/SLO(QW) and Wireless Remote Controller included in PTEGM0.

* Except CT09 NR2 / CT12 NR2 / CT18 NQ4

* Applied to cassette panel PT-UJMC1

Various Indoor Units

		CAPACITY (KW)		1.5	2.1	2.6	3.5	5.3	7.0
1 Way Cassette		-	-			MT09AH NU1	MT11AH NU1	-	-
4 Way Cassette		MT06AH NR0	MT08AH NR0	CT09 NR2	CT12 NR2	CT18 NQ4	CT24 NP4		

INDOOR				MT09AH NU1	MT11AH NU1	MT06AH NR0	MT08AH NR0
Capacity	Cooling / Heating	Nom	kW	2,6 / 2,9	3,5 / 3,9	1,5 / 1,6	2,1 / 2,3
Power Input		Nom	W	20	20	20	20
Running Current		Nom	A	0,2	0,2	0,4	0,4
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		High / Medium / Low	m ³ /min	7,5 / 7,3 / 6,8	8,1 / 7,4 / 7,0	7,5 / 6,0 / 5,0	7,5 / 6,0 / 5,0
Sound Pressure	Cooling	High / Medium / Low	dB(A)	36 / 34 / 32	37 / 36 / 33	31 / 27 / 24	31 / 27 / 24
Sound Power	Cooling	Max	dB(A)	54	57	48	48
Dehumidification Rate			l/h	1,1	1,2	0,8	1
Dimensions	Body	W x H x D	mm	860 x 132 x 450	860 x 132 x 450	570 x 214 x 570	570 x 214 x 570
Net Weight	Body		kg	13,5	13,5	14,0	14,0
Piping	Liquid		mm (inch)	Ø6,35 (1/4)	Ø6,35 (1/4)	Ø6,35 (1/4)	Ø6,35 (1/4)
Connection	Gas		mm (inch)	Ø9,52 (3/8)	Ø9,52 (3/8)	Ø9,52 (3/8)	Ø9,52 (3/8)
Decoration Panel	Model			PT-UJUC1	PT-UJUC1	PT-UJQC, PT-QCHWO	
	Color			Morning Fog (RAL120-4)	Morning Fog (RAL120-4)	Morning Fog (RAL 120-4)	
	Dimensions	W x H x D	mm	1,100 x 34 x 500	1,100 x 34 x 500	700 x 22 x 700, 620 x 20 x 620	
	Weight		kg	4,4	4,4	3,0	3,0

* CT09, CT12, CT18, CT24 are compatible between SCAC and MULTI

INDOOR				CT09 NR2	CT12 NR2	CT18 NQ4	CT24 NP4
Capacity	Cooling / Heating	Nom	kW	2,6 / 2,9	3,5 / 3,9	5,3 / 5,8	6,7 / 7,5
Power Input		Nom	W	20	20	20	20
Running Current		Nom	A	0,4	0,4	0,4	0,6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		High / Medium / Low	m ³ /min	8,5 / 7,0 / 6,0	9,5 / 8,0 / 7,0	13,0 / 12,0 / 11,0	17,0 / 15,0 / 13,0
Sound Pressure	Cooling	High / Medium / Low	dB(A)	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36	38 / 36 / 34
Sound Power	Cooling	Max	dB(A)	48	51	55	57
Dehumidification Rate			l/h	1,4	1,7	2,1	2,4
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840
Net Weight	Body		kg	14,0	14,0	15,5	20,5
Piping	Liquid		mm (inch)	Ø6,35 (1/4)	Ø6,35 (1/4)	Ø6,35 (1/4)	Ø6,35 (1/4)
Connection	Gas		mm (inch)	Ø9,52 (3/8)	Ø9,52 (3/8)	Ø12,7 (1/2)	Ø12,7 (1/2)
Decoration Panel	Model				PT-UJQC, PT-QCHWO	PT-UJMC1	
	Color				Morning Fog (RAL 120-4)	Morning Fog (120-4)	
	Dimensions	W x H x D	mm		700 x 22 x 700, 620 x 20 x 620	950 x 25 x 950	
	Weight		kg		3,0		5,0

Note: 1. Capacities are based on the following conditions:

Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating: - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

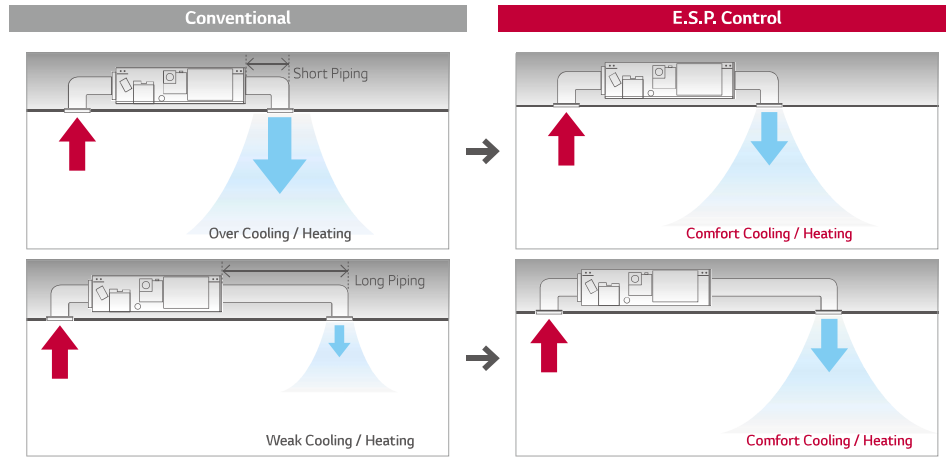
3. Due to our policy of innovation some specifications may be changed without notification

4. This product contains fluorinated greenhouse gases (R410A)

CEILING CONCEALED DUCT

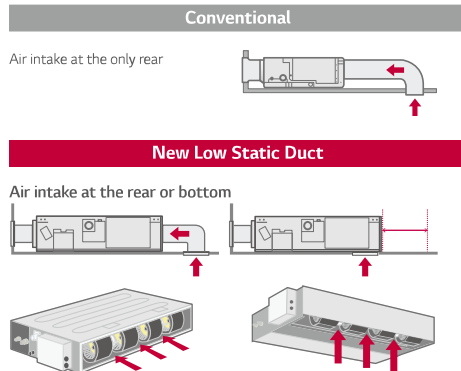
E.S.P. (External Static Pressure) Control

E.S.P. control function can make air volume controlled easily with remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. No additional accessories are necessary to control air flow.



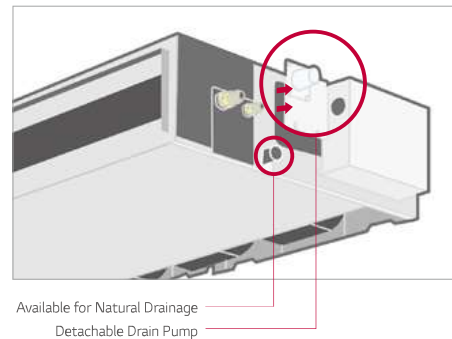
Flexible Installation (Low Static Pressure Only)

Low static duct allows the air intake at the rear or bottom under installation condition.



Easy Servicing and Maintenance (Low Static Duct Only)

The drain pump is installed on the surface of the product, which is detachable. Users can detach the drain pump for more convenient servicing and natural drainage.



Various Indoor Units

CAPACITY (KW)		2.6	3.5	5.3	7.0
Ceiling Concealed Duct		CB09L N12	CB12L N22	CB18L N22	CB24L N32
		-	-	CM18 N14	CM24 N14

INDOOR		CB09L N12	CB12L N22	CB18L N22	CB24L N32
Capacity	Cooling / Heating Nom	2.6 / 2.9	3.5 / 3.9	5.3 / 5.8	7.0 / 7.7
Power Input	Min / Max (Nom ESP)	40 / 60	80 / 100	100 / 140	110 / 160
Running Current	Nom	0.4	0.8	0.8	1.0
Power Supply	Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	High / Medium / Low	9.0 / 7.0 / 5.5	10.0 / 8.5 / 7.0	15.0 / 12.5 / 10.0	20.0 / 16.0 / 12.0
Sound Pressure	Cooling High / Medium / Low	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31	39 / 35 / 32
Sound Power	Cooling Max	49	52	54	58
Dehumidification Rate		1.1	1.2	1.7	2.2
Dimensions	Body W x H x D	700 x 190 x 700	900 x 190 x 700	900 x 190 x 700	1,100 x 190 x 700
Net Weight	Body	1.75	2.30	2.30	2.70
Piping Connection	Liquid	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)
External Static Pressure	Min - Max	0 - 5 (0 - 49)	0 - 5 (0 - 49)	0 - 5 (0 - 49)	0 - 5 (0 - 49)

* CB09L, CB12L, CB18L, CB24L are compatible between SCAC and MULTI.
* CM18, CM24 are compatible between SCAC and MULTI.

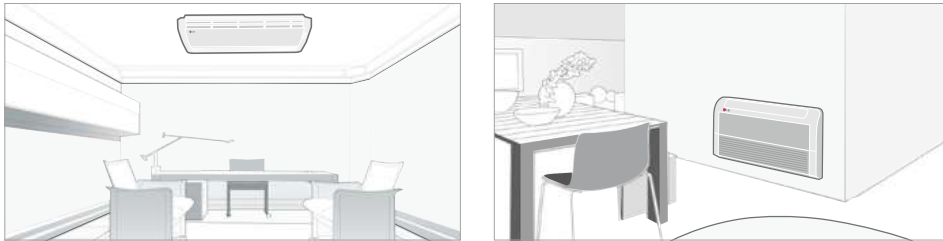
INDOOR		CM18 N14	CM24 N14
Capacity	Cooling / Heating Nom	5.3 / 5.8	7.0 / 7.7
Power Input	Min / Max (Nom ESP)	90 / 160	100 / 180
Running Current	Nom	0.9	1.0
Power Supply	Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	High / Medium / Low	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5
Sound Pressure	Cooling High / Medium / Low	34 / 32 / 30	35 / 34 / 32
Sound Power	Cooling Max	59	60
Dehumidification Rate		2.0	2.5
Dimensions	Body W x H x D	900 x 270 x 700	900 x 270 x 700
Net Weight	Body	2.38	2.42
Piping Connection	Liquid	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas	Ø12.7 (1/2)	Ø12.7 (1/2)
External Static Pressure	Min - Max	2.5 - 15 (25 - 147)	2.5 - 15 (25 - 147)

Note: 1. Capacities are based on the following conditions:
Cooling - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
Heating - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero
2. Definition of Power Input Nominal conditions - Performance tested under EN14511
3. Due to our policy of innovation some specifications may be changed without notification
4. This product contains fluorinated greenhouse gases (R410A)

CEILING & FLOOR CONVERTIBLE UNIT

Flexible Installation

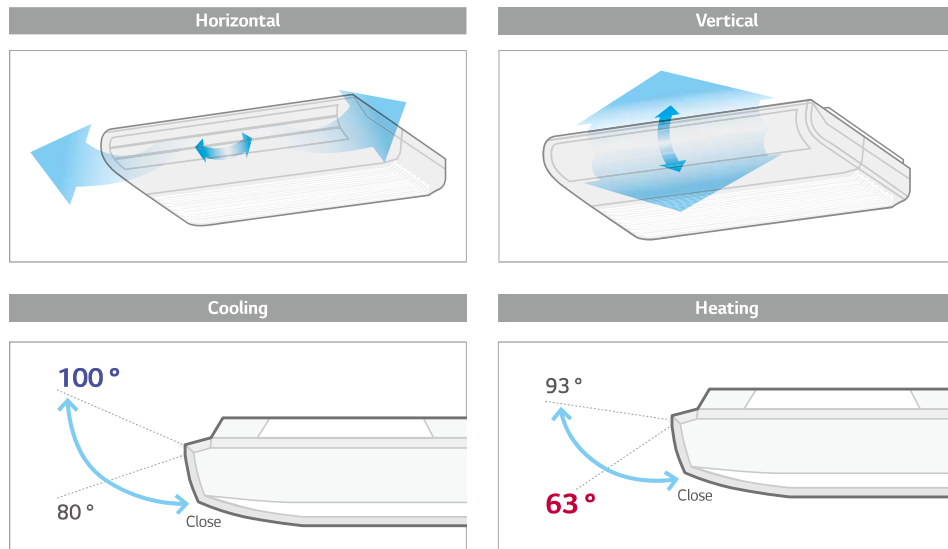
The ceiling and floor models can be installed either on the ceiling or on the floor. This saves space when installed in the shops or offices.



* Ceiling & Floor: CV09 NE2 / CV12 NE2

Airflow Direction Control

Vertical airflow direction can be adjusted using remote controller, and horizontal airflow direction can be adjusted manually.



CEILING SUSPENDED UNIT

Various Indoor Units

CAPACITY (KW)		2.6	3.5	5.3	7.0
Ceiling & Floor Convertible unit		CV09 NE2	CV12 NE2	-	-
Ceiling Suspended unit		-	-	CV18 NJ2	CV24 NJ2

INDOOR				CV09 NE2	CV12 NE2
Capacity	Cooling / Heating	Nom	kW	2,6 / 2,9	3,5 / 3,9
Power Input		Nom	W	30	40
Running Current		Nom	A	0,4	0,4
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		High / Medium / Low	m³/min	7,5 / 6,9 / 6,2	9,2 / 7,6 / 6,6
Sound Pressure	Cooling	High / Medium / Low	dBA	38 / 35 / 32	40 / 36 / 31
Sound Power	Cooling	Max	dBA	52	56
Dehumidification Rate			l/h	1,2	1,2
Dimensions	Body	W x H x D	mm	900 x 490 x 200	900 x 490 x 200
Net Weight	Body		kg	13,7	13,7
Piping Connection	Liquid		mm (inch)	Ø6,35 (1/4)	Ø6,35 (1/4)
	Gas		mm (inch)	Ø9,52 (3/8)	Ø9,52 (3/8)

* CV09, CV12, CV18, CV24 are compatible between SCAC and MULT.

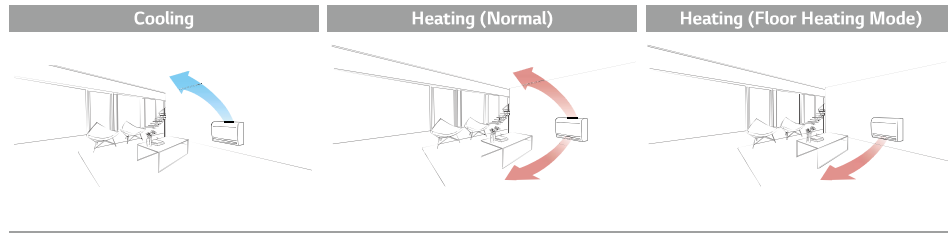
INDOOR				CV18 NJ2	CV24 NJ2
Capacity	Cooling / Heating	Nom	kW	5,3 / 5,8	7,0 / 7,7
Power Input		Nom	W	50	60
Running Current		Nom	A	0,4	0,5
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		High / Medium / Low	m³/min	12,4 / 11,4 / 10,4	13,9 / 12,9 / 11,9
Sound Pressure	Cooling	High / Medium / Low	dBA	42 / 40 / 39	44 / 43 / 41
Sound Power	Cooling	Max	dBA	57	61
Dehumidification Rate			l/h	2,3	3,2
Dimensions	Body	W x H x D	mm	950 x 650 x 220	950 x 650 x 220
Net Weight	Body		kg	22,0	23,0
Piping Connection	Liquid		mm (inch)	Ø6,35 (1/4)	Ø6,35 (1/4)
	Gas		mm (inch)	Ø12,7 (1/2)	Ø12,7 (1/2)

Note: 1. Capacities are based on the following conditions:
 Cooling - Indoor Temperature 27°C (80,6°F) DB / 19°C (66,2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75,2°F) WB
 Heating - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44,6°F) DB / 6°C (42,8°F) WB
 Piping Length - Interconnecting Piping Length 7,5m - Level Difference of Zero
 2. Definition of Power Input Nominal conditions - Performance tested under EN14511
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CONSOLE

Optimised Air Flow for Cooling & Heating

During the cooling operation, the vane adjusts upwards to direct the air flow towards the ceiling. When heating, the vane directs the warm air downwards to balance the room temperature especially for floor.



Quick Floor Heating

Console air conditioners offer a fast and powerful performance. Using the floor heating mode, console air conditioners provide faster floor heating and help to reach the desired temperature quickly.

	Company A	Electric Heater	LG	LG Floor Heating Mode
27°C				
15°C				
Lead Time for Heating (13°C - 21°C)	12 minutes 30 seconds	50 minutes	9 minutes 30 seconds	8 minutes 40 seconds

(Test Condition: Target Temp 23°C, Indoor Room: 13°C, Outdoor Room: 7°C)

5-Step Vane Control

There are 5 different stages to control air flow direction.



CONSOLE

Various Indoor Units

CAPACITY (KW)		2.6	3.5	5.3
Console		CQ09 NAO	CQ12 NAO	CQ18 NAO

INDOOR				CQ09 NAO
Capacity	Cooling / Heating	Nom	KW	2.6 / 2.9
Power Input		Nom	W	20
Running Current		Nom	A	0.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Air Flow Rate		High / Medium / Low	m ³ /min	8.5 / 6.7 / 5.0
Sound Pressure	Cooling	High / Medium / Low	dBA	38 / 32 / 27
Sound Power	Cooling	Max	dBA	53
Dehumidification Rate			l/h	1.2
Dimensions	Body	W x H x D	mm	700 x 600 x 210
Net Weight	Body		kg	14.0
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)

* CQ09, CQ12, CQ18 are compatible between SCAC and MULTI

INDOOR				CQ12 NAO	CQ18 NAO
Capacity	Cooling / Heating	Nom	KW	3.5 / 3.9	5.3 / 5.8
Power Input		Nom	W	20	40
Running Current		Nom	A	0.6	0.7
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		High / Medium / Low	m ³ /min	9.0 / 6.9 / 5.2	10.1 / 8.6 / 7.2
Sound Pressure	Cooling	High / Medium / Low	dBA	39 / 32 / 27	44 / 39 / 35
Sound Power	Cooling	Max	dBA	56	60
Dehumidification Rate			l/h	1.4	2.3
Dimensions	Body	W x H x D	mm	700 x 600 x 210	700 x 600 x 210
Net Weight	Body		kg	14.0	14.0
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø12.7 (1/2)

Note: 1. Capacities are based on the following conditions:

Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
 Heating: - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero

2. Definition of Power Input: Nominal conditions - Performance tested under EN14511

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ACCESSORIES



MULTI SPLIT

ACCESSORIES

RESIDENTIAL

Wi-Fi Controller¹⁾

LG-IR-WF-1



Models Applied

- Connectable with the indoor unit having IR receiver
- Control and monitor : On / Off Mode, Set Temp, Room Temp, Fan Speed
- Power supply includes EU-UK-US-AU heads
- Easy to install : Wall or desktop mounted
- Attractive design
- On / Off status and mode indicated by LED light
- Automatic firmware Updates*

MODEL NAME	LG-IR-WF-1
Start / Stop Operation	•
Operation Mode	Cool / Heat / Auto / Fan / Dry
Set Point	•
Ambient Temperature	•
Fan Speed	•

*Internet access is necessary

Specifications

MODEL NAME	LG-IR-WF-1
Enclosure	ABS (V-0, 5VB) 2,1 mm thickness PC (V-2) 1mm thickness
Dimensions (mm)	81 × 78 × 28
Weight (g)	76
Colour	White
Power Supply	5VDC 0,2 A NEC Class 2 or Limited Power Source (LPS) and SELV Rated Power supply
Mounting	Wall
LED Indicators	1 × Device status
Operating Temperature	From 0°C to 40°C
Operating Humidity	<93% HR, no Condensation
Stock Humidity	<93% HR, no Condensation
RoHS Conformity	Compliant with RoHS Directive (2002 / 95 / CE)
Compliance	Compliant with RoHS Directive (2002 / 95 / CE) CE Conformity to EMC Directive (2004 / 108 / EC) and Low-voltage Directive (2006 / 95 / EC) EN 60950-1 / EN 301489-1 v1.8.1 / EN 300328

¹⁾ This product is provided by INTESIS. For more information, please contact INTESIS directly.

ACCESSORIES

Distributor Box

PMBD3620, PMBD3630, PMBD3640

Easy installation using the range of Distributor Boxes.



Various distributors can make much easier installation for any sites

Features

- Distribution of refrigerant to various indoor units.
- 3 models (2, 3, 4 Indoor Units)
- EEV included
- Controlling PCB inside the unit
- Internally insulated (Prevents any chances of drainage)
- Flare joints for easy and clean installation
- Compact design (Low height)
- Flexible installation



Specification

		PMBD3620	PMBD3630	PMBD3640
Connectable Indoor Units	Number of Indoor Units	1 - 2	1 - 3	1 - 4
	Capacity	5k / 7k / 9k / 12k / 18k / 24k	5k / 7k / 9k / 12k / 18k / 24k	5k / 7k / 9k / 12k / 18k / 24k
Power Source	Ø / V / Hz	1 / 220-240 / 50	1 / 200-240 / 50	1 / 200-240 / 50
Power Consumption	W	10	10	10
Running Current	A	0,05	0,05	0,05
Dimensions	W x H x D	302 x 143 x 252 (11,9 x 5,6 x 9,9)	302 x 143 x 252 (11,9 x 5,6 x 9,9)	302 x 143 x 252 (11,9 x 5,6 x 9,9)
Net Weight	kg/lb	4,8 / 10,6	4,9 / 10,8	5 / 11
Piping Connection (To Outdoor Unit)	Liquid	mm (inch) Ø9,52 (3/8)	Ø9,52 (3/8)	Ø9,52 (3/8)
	Gas	mm (inch) Ø19,05 (3/4)	Ø19,05 (3/4)	Ø19,05 (3/4)
Piping Connection (To Indoor Unit)	Liquid	mm (inch) Ø6,35 (1/4) x 2EA	Ø6,35 (1/4) x 3EA	Ø6,35 (1/4) x 4EA
	Gas	mm (inch) Ø9,52 (3/8) x 2EA	Ø9,52 (3/8) x 3EA	Ø9,52 (3/8) x 4EA
Accessories	Hanger (Bracket)	EA	4	4
	Screw	EA	8	8
	Manual	EA	1	1

Note:
 1. The piping connection must be suit the piping sizes of the indoor unit, which will be connected. (If need, use the connector which is included in the indoor unit)
 2. The BD should be installed inside the building.

Note : Due to our policy of innovation some specifications may be changed without notification.

Y Branch and Branch Kit

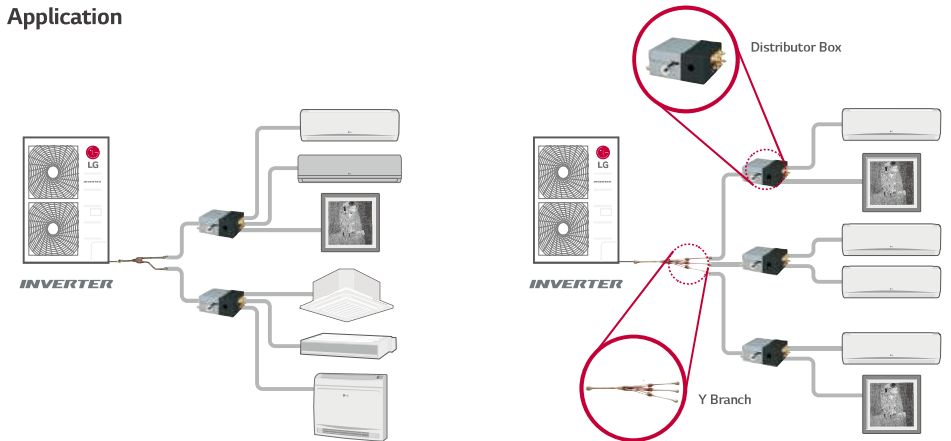
PMBL5620 (2 units) / PMBL1203F0 (3 units)



Features

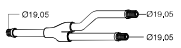
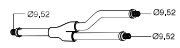

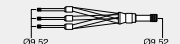
- Y Branch and Branch kit make Multi FDX installation much easier.
- Y Branch and Branch kit for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

Application



Accessory Model Name

(Unit: mm)

MODEL NAME	NO. OF BRANCH DISTRIBUTION UNITS	APPLICABLE MODEL	SPECIFICATION	
			GAS	Liquid
PMBL5620	2 Units	10, 3Ø		
PMBL1203F0	3 Units	10, 3Ø		

COMBINATION TABLE

MU2M15 UL4

Operation	Combination (kBtu/h)			Cooling									Total Input (W)		
				Each Capacity (kW)		Total Capacity									
	Unit-A	Unit-B	Total	UNIT-A	UNIT-B	Min		Rated		Max		Min	Rated	Max	
1 Unit	5	-	5	1.5	-	3,000	0.9	5,000	1.5	5,750	1.7	229	386	483	
	7	-	7	2.1	-	4,200	1.2	7,000	2.1	8,050	2.4	307	547	692	
	9	-	9	2.6	-	5,400	1.6	9,000	2.6	10,350	3.0	412	684	875	
	12	-	12	3.5	-	7,200	2.1	12,000	3.5	13,800	4.0	547	937	1,190	
2 Unit	5	5	10	1.5	1.5	6,000	1.8	10,000	2.9	11,500	3.4	419	691	900	
	5	7	12	1.5	2.1	7,200	2.1	12,000	3.5	13,800	4.0	492	843	1,120	
	5	9	14	1.5	2.6	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379	
	7	7	14	2.1	2.1	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379	
	7	9	16	2.1	2.6	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379	
	5	12	17	1.5	3.5	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379	
	9	9	18	2.6	2.6	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379	
	7	12	19	2.1	3.5	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379	
9	12	21	2.6	3.5	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379		

Note:
 1, Cooling Capacity is based on : indoor temp,27°C DB / 19°C WB, outdoor temp,35°C DB
 2, Heating Capacity is based on : indoor temp,20°C DB, outdoor temp,7°C DB / 6°C WB
 3, The total ability of connected a indoor unit is up to 21k Btu/h
 4, At least two indoor units should be connected.

MU2M17 UL4

Operation	Combination (kBtu/h)			Cooling									Total Input (W)		
				Each Capacity (kW)		Total Capacity									
	Unit-A	Unit-B	Total	UNIT-A	UNIT-B	Min		Rated		Max		Min	Rated	Max	
1 Unit	5	-	5	1.5	-	3,000	0.9	5,000	1.5	5,750	1.7	229	386	483	
	7	-	7	2.1	-	4,200	1.2	7,000	2.1	8,050	2.4	307	547	692	
	9	-	9	2.6	-	5,400	1.6	9,000	2.6	10,350	3.0	412	684	875	
	12	-	12	3.5	-	7,200	2.1	12,000	3.5	13,800	4.0	547	937	1,190	
2 Unit	15	-	15	4.4	-	8,520	2.5	14,200	4.2	16,330	4.8	656	1,196	1,588	
	5	5	10	1.5	1.5	6,000	1.8	10,000	2.9	11,500	3.4	419	691	900	
	5	7	12	1.5	2.1	7,200	2.1	12,000	3.5	13,800	4.0	492	843	1,071	
	5	9	14	1.5	2.6	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379	
	7	7	14	2.1	2.1	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379	
	7	9	16	2.1	2.6	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699	
	5	12	17	1.5	3.5	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699	
	9	9	18	2.6	2.6	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699	
	7	12	19	2.1	3.5	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699	
	5	15	20	1.5	4.4	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699	
	9	12	21	2.6	3.5	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699	
	7	15	22	2.1	4.4	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699	
9	15	24	2.6	4.4	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699		
12	12	24	3.5	3.5	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699		

Note:
 1, Cooling Capacity is based on : indoor temp,27°C DB / 19°C WB, outdoor temp,35°C DB
 2, Heating Capacity is based on : indoor temp,20°C DB, outdoor temp,7°C DB / 6°C WB
 3, The total ability of connected a indoor unit is up to 24k Btu/h
 4, At least two indoor units should be connected.

Operation	Combination (kBtu/h)			Heating									Total Input (W)		
				Each Capacity (kW)		Total Capacity									
	Unit-A	Unit-B	Total	UNIT-A	UNIT-B	Min		Rated		Max		Min	Rated	Max	
1 Unit	5	-	5	1.6	-	3,300	1.0	5,500	1.6	6,050	1.8	235	380	472	
	7	-	7	2.5	-	5,040	1.5	8,400	2.5	9,240	2.7	355	604	721	
	9	-	9	3.2	-	6,480	1.9	10,800	3.2	11,880	3.5	454	784	949	
	12	-	12	3.9	-	7,920	2.3	13,200	3.9	14,520	4.3	554	969	1,185	
2 Unit	5	5	10	1.6	1.6	6,600	1.9	11,000	3.2	12,100	3.5	408	706	854	
	5	7	12	1.6	2.5	7,920	2.3	13,200	3.9	14,520	4.3	498	872	1,066	
	5	9	14	1.6	3.2	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451	
	7	7	14	2.5	2.5	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451	
	7	9	16	2.5	3.2	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451	
	5	12	17	1.6	3.9	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451	
	9	9	18	3.2	3.2	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451	
	7	12	19	2.5	3.9	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451	
9	12	21	3.2	3.9	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451		

Note:
 1, Cooling Capacity is based on : indoor temp,27°C DB / 19°C WB, outdoor temp,35°C DB
 2, Heating Capacity is based on : indoor temp,20°C DB, outdoor temp,7°C DB / 6°C WB
 3, The total ability of connected a indoor unit is up to 21k Btu/h
 4, At least two indoor units should be connected.

Operation	Combination (kBtu/h)			Heating									Total Input (W)		
				Each Capacity (kW)		Total Capacity									
	Unit-A	Unit-B	Total	UNIT-A	UNIT-B	Min		Rated		Max		Min	Rated	Max	
1 Unit	5	-	5	1.6	-	3,300	1.0	5,500	1.6	6,050	1.8	235	380	472	
	7	-	7	2.5	-	5,040	1.5	8,400	2.5	9,240	2.7	355	604	721	
	9	-	9	3.2	-	6,480	1.9	10,800	3.2	11,880	3.5	454	784	920	
	12	-	12	3.9	-	7,920	2.3	13,200	3.9	14,520	4.3	554	942	1,155	
2 Unit	15	-	15	4.8	-	9,900	2.9	16,500	4.8	18,150	5.3	706	1,187	1,504	
	5	5	10	1.6	1.6	6,600	1.9	11,000	3.2	12,100	3.5	408	706	854	
	5	7	12	1.6	2.5	7,920	2.3	13,200	3.9	14,520	4.3	498	872	1,066	
	5	9	14	1.6	3.2	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451	
	7	7	14	2.5	2.5	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451	
	7	9	16	2.5	3.2	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652	
	5	12	17	1.6	3.9	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652	
	9	9	18	3.2	3.2	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652	
	7	12	19	2.5	3.9	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652	
	5	15	20	1.6	4.8	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652	
	9	12	21	3.2	3.9	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652	
	7	15	22	2.5	4.8	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652	
9	15	24	3.2	4.8	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652		
12	12	24	3.9	3.9	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652		

Note:
 1, Cooling Capacity is based on : indoor temp,27°C DB / 19°C WB, outdoor temp,35°C DB
 2, Heating Capacity is based on : indoor temp,20°C DB, outdoor temp,7°C DB / 6°C WB
 3, The total ability of connected a indoor unit is up to 24k Btu/h
 4, At least two indoor units should be connected.

COMBINATION TABLE

MU3M19 UE4

Operation	Combination (kBtu/h)				Cooling											
					Each Capacity (kW)			Total Capacity						Total Input (W)		
	U1NT-A	U1NT-B	U1NT-C	Total	U1NT-A	U1NT-B	U1NT-C	Min		Rated		Max		Min	Rated	Max
1 Unit	5	-	-	5	1.5	-	-	3,600	1.1	5,000	1.5	6,000	1.8	256	388	564
	7	-	-	7	2.1	-	-	4,200	1.2	7,000	2.1	8,400	2.5	280	503	667
	9	-	-	9	2.6	-	-	5,400	1.6	9,000	2.6	10,800	3.2	378	633	872
	12	-	-	12	3.5	-	-	7,200	2.1	12,000	3.5	14,400	4.2	503	875	1,179
	15	-	-	15	4.4	-	-	8,520	2.5	14,200	4.2	17,040	5.0	606	1,072	1,366
	18	-	-	18	5.3	-	-	10,800	3.2	18,000	5.3	21,600	6.3	793	1,398	1,890
2 Unit	5	5	-	10	1.5	1.5	-	6,000	1.8	10,000	2.9	12,000	3.5	406	676	914
	5	7	-	12	1.5	2.1	-	7,200	2.1	12,000	3.5	14,400	4.2	478	831	1,120
	5	9	-	14	1.5	2.6	-	8,400	2.5	14,000	4.1	16,800	4.9	576	991	1,335
	5	7	-	14	2.1	2.1	-	8,400	2.5	14,000	4.1	16,800	4.9	576	991	1,335
	7	9	-	16	2.1	2.6	-	9,600	2.8	16,000	4.7	19,200	5.6	651	1,157	1,573
	5	12	-	17	1.5	3.5	-	10,200	3.0	17,000	5.0	20,400	6.0	702	1,242	1,720
	9	9	-	18	2.6	2.6	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	7	12	-	19	2.1	3.5	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	5	15	-	20	1.5	4.4	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	9	12	-	21	2.6	3.5	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	7	15	-	22	2.1	4.4	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	9	15	-	24	2.6	4.4	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	12	12	-	24	3.5	3.5	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	9	18	-	27	2.6	5.3	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	12	15	-	27	3.5	4.4	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	12	18	-	30	3.5	5.3	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	15	15	-	30	4.4	4.4	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	3 Unit	5	5	5	15	1.5	1.5	1.5	9,000	2.6	15,000	4.4	18,000	5.3	571	1,020
5		5	7	17	1.5	1.5	2.1	10,200	3.0	17,000	5.0	20,400	6.0	667	1,180	1,634
5		5	9	19	1.5	1.5	2.6	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		7	7	19	1.5	2.1	2.1	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		7	9	21	1.5	2.1	2.6	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
7		7	7	21	2.1	2.1	2.1	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		5	12	22	1.5	1.5	3.5	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		9	9	23	1.5	2.6	2.6	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
7		7	9	23	2.1	2.1	2.6	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		7	12	24	1.5	2.1	3.5	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		5	15	25	1.5	1.5	4.4	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
7		9	9	25	2.1	2.6	2.6	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		9	12	26	1.5	2.6	3.5	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
7		7	12	26	2.1	2.1	3.5	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		7	15	27	1.5	2.1	4.4	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
9		9	9	27	2.6	2.6	2.6	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
7		9	12	28	2.1	2.6	3.5	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		9	15	29	1.5	2.6	4.4	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
5		12	12	29	1.5	3.5	3.5	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
7		7	15	29	2.1	2.1	4.4	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
9		9	12	30	2.6	2.6	3.5	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745

Note:
 1. Cooling Capacity is based on : indoor temp,27°C DB / 19°C WB, outdoor temp,35°C DB
 2. Heating Capacity is based on : indoor temp,20°C DB, outdoor temp,7°C DB / 6°C WB
 3. The total ability of connected a indoor unit is up to 30kBtu/h
 4. At least two indoor units should be connected.

Operation	Combination (kBtu/h)				Heating											
					Each Capacity (kW)			Total Capacity						Total Input (W)		
	U1NT-A	U1NT-B	U1NT-C	Total	U1NT-A	U1NT-B	U1NT-C	Min		Rated		Max		Min	Rated	Max
1 Unit	5	-	-	5	1.6	-	-	4,000	1.2	5,500	1.6	6,325	1.9	265	394	566
	7	-	-	7	2.5	-	-	5,040	1.5	8,400	2.5	9,660	2.8	335	575	715
	9	-	-	9	3.2	-	-	6,480	1.9	10,800	3.2	12,420	3.6	429	751	941
	12	-	-	12	3.9	-	-	7,920	2.3	13,200	3.9	15,180	4.4	526	935	1,178
	15	-	-	15	4.8	-	-	9,900	2.9	16,500	4.8	18,975	5.6	675	1,183	1,554
	18	-	-	18	5.8	-	-	11,880	3.5	19,800	5.8	22,770	6.7	829	1,472	1,922
2 Unit	5	5	-	10	1.6	1.6	-	7,200	2.1	12,000	3.5	13,800	4.0	453	788	1,005
	5	7	-	12	1.6	2.5	-	8,640	2.5	14,400	4.2	16,560	4.9	546	965	1,265
	5	9	-	14	1.6	3.2	-	10,080	3.0	16,800	4.9	19,320	5.7	665	1,150	1,508
	7	7	-	14	2.5	2.5	-	10,080	3.0	16,800	4.9	19,320	5.7	665	1,150	1,508
	7	9	-	16	2.5	3.2	-	11,520	3.4	19,200	5.6	22,080	6.5	763	1,342	1,761
	5	12	-	17	1.6	3.9	-	12,240	3.6	20,400	6.0	23,460	6.9	813	1,456	1,892
	9	9	-	18	3.2	3.2	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	7	12	-	19	2.5	3.9	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	5	15	-	20	1.6	4.8	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	9	12	-	21	3.2	3.9	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	7	15	-	22	2.5	4.8	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	9	15	-	24	3.2	4.8	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	12	12	-	24	3.9	3.9	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	9	18	-	27	3.2	5.8	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	12	15	-	27	3.9	4.8	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	12	18	-	30	3.9	5.8	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	15	15	-	30	4.8	4.8	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	3 Unit	5	5	5	15	1.6	1.6	1.6	10,800	3.2	18,000	5.3	20,700	6.1	678	1,196
5		5	7	17	1.6	1.6	2.5	12,240	3.6	20,400	6.0	23,460	6.9	772	1,383	1,797
5		5	9	19	1.6	1.6	3.2	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
5		7	7	19	1.6	2.5	2.5	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
5		7	9	21	1.6	2.5	3.2	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
7		7	7	21	2.5	2.5	2.5	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
5		5	12	22	1.6	1.6	3.9	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
5		9	9	23	1.6	3.2	3.2	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
7		7	9	23	2.5	2.5	3.2	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
5		7	12	24	1.6	2.5	3.9	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
5		5	15	25	1.6	1.6	4.8	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
7		9	9	25	2.5	2.5	3.2	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
5		9	12	26	1.6	3.2	3.9	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
7		7	12	26	2.5	2.5	3.9	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
5		7	15	27	1.6	2.5	4.8	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
9		9	9	27	3.2	3.2	3.2	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
7		9	12	28	2.5	3.2	3.9	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
5		9	15	29	1.6	3.2	4.8</									

COMBINATION TABLE

MU3M21 UE4

Operation	Combination (kBtu/h)				Cooling													
					Each Capacity (kW)			Total Capacity						Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	Total	UNIT-A	UNIT-B	UNIT-C	Min		Rated		Max		Min	Rated	Max		
								Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	
1 Unit	5	-	-	5	1.5	-	-	3,600	1.1	5,000	1.5	6,000	1.8	256	388	564		
	7	-	-	7	2.1	-	-	4,200	1.2	7,000	2.1	8,400	2.5	280	503	667		
	9	-	-	9	2.6	-	-	5,400	1.6	9,000	2.6	10,800	3.2	378	633	872		
	12	-	-	12	3.5	-	-	7,200	2.1	12,000	3.5	14,400	4.2	503	875	1,179		
	15	-	-	15	4.4	-	-	8,520	2.5	14,200	4.2	17,040	5.0	606	1,072	1,366		
18	-	-	18	5.3	-	-	10,800	3.2	18,000	5.3	21,600	6.3	793	1,398	1,890			
2 Unit	5	5	-	10	1.5	1.5	-	6,000	1.8	10,000	2.9	12,000	3.5	406	676	914		
	5	7	-	12	1.5	2.1	-	7,200	2.1	12,000	3.5	14,400	4.2	478	831	1,120		
	5	9	-	14	1.5	2.6	-	8,400	2.5	14,000	4.1	16,800	4.9	576	991	1,335		
	7	7	-	14	2.1	2.1	-	8,400	2.5	14,000	4.1	16,800	4.9	576	991	1,335		
	7	9	-	16	2.1	2.6	-	9,600	2.8	16,000	4.7	19,200	5.6	651	1,157	1,573		
	5	12	-	17	1.5	3.5	-	10,200	3.0	17,000	5.0	20,400	6.0	702	1,242	1,720		
	9	9	-	18	2.6	2.6	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842		
	7	12	-	19	2.1	3.5	-	11,400	3.3	19,000	5.6	22,800	6.7	779	1,430	2,039		
	5	15	-	20	1.5	4.4	-	12,000	3.5	20,000	5.9	23,100	6.8	831	1,530	2,091		
	9	12	-	21	2.6	3.5	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	7	15	-	22	2.1	4.4	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	5	18	-	23	1.5	5.3	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	9	15	-	24	2.6	4.4	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	12	12	-	24	3.5	3.5	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	9	18	-	27	2.6	5.3	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	12	15	-	27	3.5	4.4	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	12	18	-	30	3.5	5.3	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	15	15	-	30	4.4	4.4	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	15	18	-	33	4.4	5.3	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	5	5	5	15	1.5	1.5	1.5	9,000	2.6	15,000	4.4	18,000	5.3	571	1,020	1,388		
5	5	7	17	1.5	1.5	2.1	10,200	3.0	17,000	5.0	20,400	6.0	657	1,180	1,634			
5	5	9	19	1.5	1.5	2.6	11,400	3.3	19,000	5.6	22,800	6.7	740	1,359	1,908			
5	7	7	19	1.5	2.1	2.1	11,400	3.3	19,000	5.6	22,800	6.7	740	1,359	1,908			
5	7	9	21	1.5	2.1	2.6	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
7	7	7	21	2.1	2.1	2.1	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	5	12	22	1.5	1.5	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	9	9	23	1.5	2.6	2.6	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
7	7	9	23	2.1	2.1	2.6	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	7	12	24	1.5	2.1	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	5	15	25	1.5	1.5	4.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
7	9	9	25	2.1	2.6	2.6	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	9	12	26	1.5	2.6	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
7	7	12	26	2.1	2.1	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	7	15	27	1.5	2.1	4.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
9	9	9	27	2.6	2.6	2.6	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
7	9	12	28	2.1	2.6	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	9	15	29	1.5	2.6	4.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	12	12	29	1.5	3.5	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
7	7	15	29	2.1	2.1	4.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
9	9	12	30	2.6	2.6	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
7	9	15	31	2.1	2.6	4.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
7	12	12	31	2.1	3.5	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	12	15	32	1.5	3.5	4.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
5	9	18	32	1.5	2.6	5.3	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
7	7	18	32	2.1	2.1	5.3	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
9	9	15	33	2.6	2.6	4.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
9	12	12	33	2.6	3.5	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			

Note:
 1. Cooling Capacity is based on: indoor temp,27°C DB / 19°C WB, outdoor temp,35°C DB
 2. Heating Capacity is based on: indoor temp,20°C DB, outdoor temp,7°C DB / 6°C WB
 3. The total ability of connected indoor unit is up to 33kBtu/h
 4. At least two indoor units should be connected.

Operation	Combination (kBtu/h)				Heating													
					Each Capacity (kW)			Total Capacity						Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	Total	UNIT-A	UNIT-B	UNIT-C	Min		Rated		Max		Min	Rated	Max		
								Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	
1 Unit	5	-	-	5	1.6	-	-	4,000	1.2	5,500	1.6	6,325	1.9	265	394	566		
	7	-	-	7	2.5	-	-	5,040	1.5	8,400	2.5	9,660	2.8	335	575	715		
	9	-	-	9	3.2	-	-	6,480	1.9	10,800	3.2	12,420	3.6	429	751	941		
	12	-	-	12	3.9	-	-	7,920	2.3	13,200	3.9	15,180	4.4	526	935	1,178		
	15	-	-	15	4.8	-	-	9,900	2.9	16,500	4.8	18,975	5.6	675	1,183	1,554		
	18	-	-	18	5.8	-	-	11,880	3.5	19,800	5.8	22,770	6.7	829	1,472	1,922		
	5	5	-	10	1.6	1.6	-	7,200	2.1	12,000	3.5	13,800	4.0	453	788	1,005		
	5	7	-	12	1.6	2.5	-	8,640	2.5	14,400	4.2	16,560	4.9	546	965	1,265		
	5	9	-	14	1.6	3.2	-	10,080	3.0	16,800	4.9	19,320	5.7	655	1,150	1,508		
	7	7	-	14	2.5	2.5	-	10,080	3.0	16,800	4.9	19,320	5.7	655	1,150	1,508		
	7	9	-	16	2.5	3.2	-	11,520	3.4	19,200	5.6	22,080	6.5	763	1,342	1,761		
	5	12	-	17	1.6	3.9	-	12,240	3.6	20,400	6.0	23,460	6.9	813	1,399	1,892		
	9	9	-	18	3.2	3.2	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,484	2,087		
	7	12	-	19	2.5	3.9	-	13,320	3.9	22,200	6.5	25,530	7.5	888	1,542	2,196		
	5	15	-	20	1.6	4.8	-	13,740	4.0	22,900	6.7	26,335	7.7	914	1,601	2,310		
9	12	-	21	3.2	3.9	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
7	15	-	22	2.5	4.8	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
5	18	-	23	3.2	4.8	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
9	15	-	24	3.9	3.9	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
12	12	-	24	3.2	5.8	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
9	18	-	27	3.9	4.8	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
12	15	-	27	3.9	5.8	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
12	18	-	30	4.8	4.8	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
15	15	-	30	4.8	4.8	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
15	18	-	33	4.8	5.8	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368			
5	5	5	15	1.6	1.6	1.6	10,800	3.2	18,000									

COMBINATION TABLE

MU4M25 U44

Operation	Combination (kBtu/h)				Cooling													
					Each Capacity (kW)				Total Capacity				Total Input (W)					
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max			
1 Unit	5	-	-	-	5	1.5	-	-	-	4,500	1.3	5,000	1.5	6,000	1.8	416	467	684
	7	-	-	-	7	2.1	-	-	-	4,800	1.4	7,000	2.1	8,000	2.5	416	551	741
	9	-	-	-	9	2.6	-	-	-	5,400	1.6	9,000	2.6	10,800	3.2	416	689	961
	12	-	-	-	12	3.5	-	-	-	7,200	2.1	12,000	3.5	14,400	4.2	551	944	1,287
	15	-	-	-	15	4.4	-	-	-	8,520	2.5	14,200	4.2	17,040	5.0	661	1,149	1,557
	18	-	-	-	18	5.3	-	-	-	10,800	3.2	18,000	5.3	21,600	6.3	858	1,482	2,013
	24	-	-	-	24	7.0	-	-	-	14,400	4.2	24,000	7.0	25,500	7.5	1,149	2,026	2,830
	5	5	-	-	10	1.5	1.5	-	-	6,000	1.8	10,000	2.9	12,000	3.5	423	696	952
	5	7	-	-	12	1.5	2.1	-	-	7,200	2.1	12,000	3.5	14,400	4.2	496	850	1,158
	5	9	-	-	14	1.5	2.6	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,034	1,370
	7	7	-	-	14	2.1	2.1	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,034	1,370
	7	9	-	-	16	2.1	2.6	-	-	9,600	2.8	16,000	4.7	19,200	5.6	670	1,196	1,588
5	12	-	-	17	1.5	3.5	-	-	10,200	3.0	17,000	5.0	20,400	6.0	721	1,279	1,715	
9	9	-	-	18	2.6	2.6	-	-	10,800	3.2	18,000	5.3	21,600	6.3	772	1,362	1,812	
7	12	-	-	19	2.1	3.5	-	-	11,400	3.3	19,000	5.6	22,800	6.7	798	1,446	1,943	
5	15	-	-	20	1.5	4.4	-	-	12,000	3.5	20,000	5.9	24,000	7.0	850	1,532	2,042	
9	12	-	-	21	2.6	3.5	-	-	12,600	3.7	21,000	6.2	24,150	7.1	902	1,618	2,089	
7	15	-	-	22	2.1	4.4	-	-	13,200	3.9	22,000	6.4	25,300	7.4	955	1,676	2,230	
5	18	-	-	23	1.5	5.3	-	-	13,800	4.0	23,000	6.7	26,450	7.8	981	1,764	2,420	
9	15	-	-	24	2.6	4.4	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
12	12	-	-	24	3.5	3.5	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
7	18	-	-	25	2.1	5.3	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
9	18	-	-	27	2.6	5.3	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
12	15	-	-	27	3.5	4.4	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
5	24	-	-	29	1.5	7.0	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
18	18	-	-	30	4.4	4.4	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
15	15	-	-	30	4.4	4.4	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
7	24	-	-	31	2.1	7.0	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
9	24	-	-	33	2.6	7.0	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
15	18	-	-	33	4.4	5.3	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
18	18	-	-	36	5.3	5.3	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
12	24	-	-	36	3.5	7.0	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
5	5	5	-	15	1.5	1.5	1.5	-	9,000	2.6	15,000	4.4	18,000	5.3	583	1,023	1,405	
5	5	7	-	17	1.5	1.5	2.1	-	10,200	3.0	17,000	5.0	20,400	6.0	678	1,176	1,613	
5	5	9	-	19	1.5	1.5	2.6	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826	
5	7	7	-	19	1.5	2.1	2.1	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826	
5	7	9	-	21	1.5	2.1	2.6	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
7	7	7	-	21	2.1	2.1	2.1	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
5	5	12	-	22	1.5	3.5	3.5	-	13,200	3.9	22,000	6.4	26,400	7.7	897	1,548	2,234	
5	9	9	-	23	1.5	2.6	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
7	7	9	-	23	2.1	2.1	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
5	7	12	-	24	1.5	2.1	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	5	15	-	25	1.5	1.5	4.4	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	9	9	-	25	2.1	2.6	2.6	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	9	12	-	26	1.5	2.6	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	7	12	-	26	2.1	2.1	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	7	15	-	27	1.5	2.1	4.4	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
9	9	9	-	27	2.6	2.6	2.6	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	9	12	-	28	2.1	2.6	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	5	18	-	28	1.5	1.5	5.3	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	9	15	-	29	1.5	2.6	4.4	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	12	12	-	29	1.5	3.5	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	7	15	-	29	2.1	2.1	4.4	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	7	18	-	30	1.5	2.1	5.3	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
9	9	12	-	30	2.6	2.6	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	9	15	-	31	2.1	2.6	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	12	12	-	31	2.1	3.5	3.5	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	12	15	-	32	1.5	3.5	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	9	18	-	32	1.5	2.6	5.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	7	18	-	32	2.1	2.1	5.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	9	15	-	33	2.6	2.6	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	12	12	-	33	2.6	3.5	3.5	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	9	18	-	34	2.1	2.6	5.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	12	15	-	34	2.1	3.5	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	5	24	-	34	1.5	1.5	7.0	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	12	18	-	35	1.5	3.5	5.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	15	15	-	35	1.5	4.4	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	7	24	-	36	1.5	2.1	7.0	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	12	15	-	36	2.6	3.5	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
12	12	12	-	36	3.5	3.5	3.5	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	9	18	-	36	2.6	2.6	5.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	12	18	-	37	2.1	3.5	5.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	15	15	-	37	2.1	4.4	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	9	24	-	38	1.5	2.6	7.0	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	15	18	-	38	1.5	4.4	5.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	7	24	-	38	2.1	2.1	7.0	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	12	18	-	39	2.6	3.5	5.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	15	15	-	39	2.6	4.4	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
12	12	15	-	39	3.5	3.5	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	

COMBINATION TABLE

MU4M25 U44

Operation	Combination (kBtu/h)					Heating												
						Each Capacity (kW)				Total Capacity				Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max			
1 Unit	5	-	-	-	5	1.6	-	-	-	5,000	1.5	5,500	1.6	6,325	1.9	610	610	747
	7	-	-	-	7	2.5	-	-	-	5,500	1.6	8,400	2.5	9,660	2.8	610	665	862
	9	-	-	-	9	3.2	-	-	-	6,480	1.9	10,800	3.2	12,420	3.6	610	864	1,126
	12	-	-	-	12	3.9	-	-	-	7,920	2.3	13,200	3.9	15,180	4.4	610	1,067	1,399
	15	-	-	-	15	4.8	-	-	-	9,900	2.9	16,500	4.8	18,975	5.5	778	1,337	1,823
	18	-	-	-	18	5.8	-	-	-	11,880	3.5	19,800	5.8	22,770	6.7	950	1,649	2,230
	24	-	-	-	24	7.4	-	-	-	15,240	4.5	25,400	7.4	26,670	7.8	1,246	2,172	2,654
	5	5	-	-	10	1.6	1.6	-	-	7,200	2.1	12,000	3.5	14,400	4.2	471	808	1,130
	5	7	-	-	12	1.6	2.5	-	-	8,640	2.5	14,400	4.2	17,280	5.1	566	983	1,397
	5	9	-	-	14	1.6	3.2	-	-	10,080	3.0	16,800	4.9	20,160	5.9	685	1,163	1,643
	7	7	-	-	14	2.5	2.5	-	-	10,080	3.0	16,800	4.9	20,160	5.9	685	1,163	1,643
	7	9	-	-	16	2.5	3.2	-	-	11,520	3.4	19,200	5.6	23,040	6.8	783	1,348	1,928
5	12	-	-	17	1.6	3.9	-	-	12,240	3.6	20,400	6.0	24,480	7.2	832	1,456	2,057	
9	9	-	-	18	3.2	3.2	-	-	12,960	3.8	21,600	6.3	25,920	7.6	882	1,537	2,189	
7	12	-	-	19	2.5	3.9	-	-	13,680	4.0	22,800	6.7	27,360	8.0	932	1,648	2,323	
5	15	-	-	20	1.6	4.8	-	-	14,400	4.2	24,000	7.0	28,800	8.4	983	1,732	2,459	
9	12	-	-	21	3.2	3.9	-	-	15,120	4.4	25,200	7.4	30,240	8.9	1,034	1,846	2,644	
12	15	-	-	22	2.5	4.8	-	-	15,840	4.6	26,400	7.7	31,680	9.3	1,085	1,932	2,877	
5	18	-	-	23	1.6	5.8	-	-	16,560	4.9	27,600	8.1	32,000	9.4	1,136	2,049	2,955	
9	15	-	-	24	3.2	4.8	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
12	12	-	-	24	3.9	3.9	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
7	18	-	-	25	2.5	5.8	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
9	18	-	-	27	3.2	5.8	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
12	15	-	-	27	3.9	4.8	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
5	24	-	-	29	1.6	7.4	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
12	18	-	-	30	3.9	5.8	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
15	15	-	-	30	4.8	4.8	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
7	24	-	-	31	2.5	7.4	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
9	24	-	-	33	3.2	7.4	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
15	18	-	-	33	4.8	5.8	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
18	18	-	-	36	5.8	5.8	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
12	24	-	-	36	3.9	7.4	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
5	5	5	-	15	1.6	1.6	1.6	-	10,800	3.2	18,000	5.3	21,600	6.3	690	1,192	1,662	
5	5	7	-	17	1.6	1.6	2.5	-	12,240	3.6	20,400	6.0	24,480	7.2	782	1,368	1,934	
5	5	9	-	19	1.6	1.6	3.2	-	13,680	4.0	22,800	6.7	27,360	8.0	876	1,549	2,183	
5	7	7	-	19	1.6	2.5	2.5	-	13,680	4.0	22,800	6.7	27,360	8.0	876	1,549	2,183	
5	7	9	-	21	1.6	2.5	3.2	-	15,120	4.4	25,200	7.4	30,240	8.9	972	1,735	2,486	
7	7	7	-	21	2.5	2.5	2.5	-	15,120	4.4	25,200	7.4	30,240	8.9	972	1,735	2,486	
5	5	12	-	22	1.6	1.6	3.9	-	15,840	4.6	26,400	7.7	31,680	9.3	1,020	1,817	2,550	
5	9	9	-	23	1.6	3.2	3.2	-	16,560	4.9	27,600	8.1	32,000	9.4	1,093	1,926	2,694	
7	7	9	-	23	2.5	2.5	3.2	-	16,560	4.9	27,600	8.1	32,000	9.4	1,093	1,926	2,694	
5	7	12	-	24	1.6	2.5	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	5	15	-	25	1.6	1.6	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	9	9	-	25	2.5	3.2	3.2	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	9	12	-	26	1.6	3.2	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	7	12	-	26	2.5	2.5	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	7	15	-	27	1.6	2.5	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	9	9	-	27	3.2	3.2	3.2	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	9	12	-	28	2.5	3.2	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	5	18	-	28	1.6	1.6	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	9	15	-	29	1.6	3.2	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
12	12	12	-	29	1.6	3.9	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	7	15	-	29	2.5	2.5	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	7	18	-	30	1.6	2.5	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	9	12	-	30	3.2	3.2	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	9	15	-	31	2.5	3.2	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	12	12	-	31	2.5	3.9	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	12	15	-	32	1.6	3.9	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	9	18	-	32	1.6	3.2	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	7	18	-	32	2.5	2.5	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	9	15	-	33	3.2	3.2	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	12	12	-	33	3.2	3.9	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	9	18	-	34	2.5	3.2	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	12	15	-	34	2.5	3.9	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	5	24	-	34	1.6	1.6	7.4	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	12	18	-	35	1.6	3.9	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	15	15	-	35	1.6	4.8	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	7	24	-	36	1.6	2.5	7.4	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	12	15	-	36	3.2	3.9	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
12	12	12	-	36	3.9	3.9	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	9	18	-	36	3.2	3.2	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	12	18	-	37	2.5	3.9	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	15	15	-	37	2.5	4.8	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	9	24	-	38	1.6	3.2	7.4	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	15	18	-	38	2.5	2.5	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	7	24	-	38	2.5	2.5	7.4	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	12	18	-	39	3.2	3.9	5.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	15	15	-	39	3.2	4.8	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
12	12	15	-	39	3.9	3.9	4.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	

Operation	Combination (kBtu/h)					Heating										
						Each Capacity (kW)				Total Capacity				Total Input (W)		
	UNIT-A	UNIT-B</														

COMBINATION TABLE

MU4M27 U44

Operation	Combination (kBtu/h)					Cooling												
						Each Capacity (kW)					Total Capacity			Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max			
1 Unit	5	-	-	-	5	1.5	-	-	-	4,500	1.3	5,000	1.5	6,000	1.8	416	467	684
	7	-	-	-	7	2.1	-	-	-	4,800	1.4	7,000	2.1	8,400	2.5	416	551	741
	9	-	-	-	9	2.6	-	-	-	5,400	1.6	9,000	2.6	10,800	3.2	416	689	961
	12	-	-	-	12	3.5	-	-	-	7,200	2.1	12,000	3.5	14,400	4.2	551	944	1,287
	15	-	-	-	15	4.4	-	-	-	8,100	2.5	14,200	4.2	17,040	5.0	661	1,149	1,565
	18	-	-	-	18	5.3	-	-	-	10,800	3.2	18,000	5.3	21,600	6.3	858	1,482	2,013
	24	-	-	-	24	7.0	-	-	-	14,400	4.2	24,000	7.0	25,500	7.5	1,149	2,026	2,830
	5	5	-	-	10	1.5	1.5	-	-	6,000	1.8	10,000	2.9	12,000	3.5	423	696	952
	5	7	-	-	12	1.5	2.1	-	-	7,200	2.1	12,000	3.5	14,400	4.2	496	850	1,158
	5	9	-	-	14	1.5	2.6	-	-	8,100	2.5	14,000	4.1	16,800	4.9	595	1,008	1,370
	7	7	-	-	14	2.1	2.1	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,008	1,370
	7	9	-	-	16	2.1	2.6	-	-	9,600	2.8	16,000	4.7	19,200	5.6	670	1,169	1,588
5	12	-	-	17	1.5	3.5	-	-	10,200	3.0	17,000	5.0	20,400	6.0	721	1,251	1,715	
9	9	-	-	18	2.6	2.6	-	-	10,800	3.2	18,000	5.3	21,600	6.3	772	1,334	1,812	
7	12	-	-	19	1.5	4.4	-	-	11,400	3.3	19,000	5.6	22,800	6.7	798	1,418	1,943	
5	15	-	-	20	1.5	4.4	-	-	12,000	3.5	20,000	5.9	24,000	7.0	850	1,503	2,042	
9	12	-	-	21	2.6	3.5	-	-	12,600	3.7	21,000	6.2	25,200	7.4	902	1,589	2,230	
7	15	-	-	22	2.1	4.4	-	-	13,200	3.9	22,000	6.4	26,400	7.7	955	1,647	2,376	
9	15	-	-	23	1.5	5.3	-	-	13,800	4.0	23,000	6.7	27,600	8.1	981	1,734	2,586	
9	15	-	-	24	1.5	5.3	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,823	2,756	
12	12	-	-	24	3.5	3.5	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,823	2,756	
7	18	-	-	25	2.1	5.3	-	-	15,000	4.4	25,000	7.3	30,000	8.8	1,088	1,948	2,993	
9	18	-	-	27	2.6	5.3	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
12	15	-	-	27	3.5	4.4	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
5	24	-	-	29	1.5	5.3	-	-	17,400	4.4	25,000	7.3	30,000	8.8	1,088	1,948	2,993	
12	18	-	-	30	3.5	5.3	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
15	15	-	-	30	4.4	4.4	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
7	24	-	-	31	2.1	7.0	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
9	24	-	-	33	2.6	7.0	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
15	18	-	-	33	1.5	5.3	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
18	18	-	-	36	5.3	5.3	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
12	24	-	-	36	3.5	7.0	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
15	24	-	-	39	4.4	7.0	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180	
5	5	5	-	15	1.5	1.5	1.5	-	9,000	2.6	15,000	4.4	18,000	5.3	583	1,023	1,405	
5	5	7	-	17	1.5	1.5	2.1	-	10,200	3.0	17,000	5.0	20,400	6.0	678	1,176	1,613	
5	5	9	-	19	1.5	1.5	2.6	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826	
5	7	7	-	19	1.5	2.1	2.1	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826	
5	7	9	-	21	1.5	2.1	2.6	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
7	7	7	-	21	2.1	2.1	2.1	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
5	12	-	-	22	1.5	3.5	-	-	13,200	3.9	22,000	6.4	26,400	7.7	897	1,548	2,234	
5	9	9	-	23	1.5	2.6	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
7	7	9	-	23	2.1	2.1	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
5	7	12	-	24	1.5	2.1	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	5	15	-	25	1.5	1.5	4.4	-	15,000	4.4	25,000	7.3	30,000	8.8	1,023	1,831	2,885	
5	9	9	-	25	2.1	2.6	2.6	-	15,000	4.4	25,000	7.3	30,000	8.8	1,023	1,831	2,885	
5	9	12	-	26	1.5	2.6	3.5	-	15,600	4.6	26,000	7.6	31,200	9.1	1,073	1,953	3,063	
7	7	12	-	26	2.1	2.1	3.5	-	15,600	4.6	26,000	7.6	31,200	9.1	1,073	1,953	3,063	
5	7	15	-	27	1.5	2.1	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	9	9	-	27	2.6	2.6	2.6	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	5	18	-	28	1.5	1.5	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	9	15	-	29	1.5	2.6	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	12	12	-	29	1.5	3.5	3.5	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	7	15	-	29	2.1	2.1	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	7	18	-	30	1.5	2.1	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	9	12	-	30	2.6	2.6	3.5	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	9	15	-	31	2.1	2.6	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	12	12	-	31	2.1	3.5	3.5	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	12	15	-	32	1.5	3.5	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	9	18	-	32	1.5	2.6	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	7	18	-	32	2.1	2.1	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	9	15	-	33	2.6	2.6	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	12	12	-	33	2.6	3.5	3.5	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	9	18	-	34	2.1	2.6	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
12	12	15	-	34	2.1	3.5	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	5	24	-	34	1.5	1.5	7.0	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	12	18	-	35	1.5	3.5	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	15	15	-	35	1.5	4.4	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	7	24	-	36	1.5	2.1	7.0	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	12	15	-	36	2.6	3.5	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
12	12	12	-	36	3.5	3.5	3.5	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	9	18	-	36	2.6	2.6	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	12	18	-	37	2.1	3.5	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	15	15	-	37	2.1	4.4	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	9	24	-	38	1.5	2.6	7.0	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	15	18	-	38	1.5	4.4	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	7	24	-	38	2.1	2.1	7.0	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	12	18	-	39	2.6	3.5	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	15	15	-	39	2.6	4.4	4.4	-	16,200	4.7	27,000	7.9	31,0					

COMBINATION TABLE

MU4M27 U44

Operation	Combination (kBtu/h)					Heating												
						Each Capacity (kW)				Total Capacity			Total Input (W)					
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max			
1 Unit	5	-	-	-	5	1.6	-	-	-	5,000	1.5	5,500	1.6	6,325	1.9	610	610	747
	7	-	-	-	7	2.5	-	-	-	5,400	1.6	8,400	2.5	9,660	2.8	610	665	862
	9	-	-	-	9	3.2	-	-	-	6,480	1.9	10,800	3.2	12,420	3.6	610	864	1,126
	12	-	-	-	12	3.9	-	-	-	7,920	2.3	13,200	3.9	15,180	4.4	610	1,067	1,399
	15	-	-	-	15	4.8	-	-	-	9,360	2.9	16,500	4.8	18,975	5.6	778	1,337	1,823
	18	-	-	-	18	5.8	-	-	-	11,880	3.5	19,800	5.8	22,770	6.7	950	1,649	2,230
	24	-	-	-	24	7.4	-	-	-	15,240	4.5	25,400	7.4	26,670	7.8	1,246	2,172	2,654
	5	5	-	-	10	1.6	1.6	-	-	7,200	2.1	12,000	3.5	14,400	4.2	471	808	1,130
	5	7	-	-	12	1.6	2.5	-	-	8,640	2.5	14,400	4.2	17,280	5.1	566	983	1,397
	5	9	-	-	14	1.6	3.2	-	-	10,080	3.0	16,800	4.9	20,160	5.9	685	1,163	1,643
	7	7	-	-	14	2.5	2.5	-	-	10,080	3.0	16,800	4.9	20,160	5.9	685	1,163	1,643
	7	9	-	-	16	2.5	3.2	-	-	11,520	3.4	19,200	5.6	23,040	6.8	783	1,348	1,928
	5	12	-	-	17	1.6	3.9	-	-	12,240	3.6	20,400	6.0	24,480	7.2	832	1,456	2,057
	5	18	-	-	19	2.5	4.8	-	-	12,960	3.8	21,600	6.3	25,920	7.6	882	1,537	2,169
	7	12	-	-	19	2.5	3.9	-	-	13,680	4.0	22,800	6.7	27,360	8.0	932	1,648	2,233
5	15	-	-	20	1.6	4.8	-	-	14,400	4.2	24,000	7.0	28,800	8.4	983	1,732	2,459	
9	12	-	-	21	3.2	3.9	-	-	15,120	4.4	25,200	7.4	30,240	8.9	1,034	1,846	2,644	
7	15	-	-	22	2.5	4.8	-	-	15,840	4.6	26,400	7.7	31,680	9.3	1,085	1,932	2,877	
9	18	-	-	23	1.6	5.8	-	-	16,560	4.9	27,600	8.1	33,120	9.7	1,163	2,049	3,200	
9	15	-	-	24	3.2	4.8	-	-	17,280	5.0	28,800	8.4	34,100	10.0	1,228	2,138	3,463	
12	12	-	-	24	3.9	3.9	-	-	17,280	5.1	28,800	8.4	34,100	10.0	1,228	2,138	3,463	
7	18	-	-	25	2.5	5.8	-	-	18,000	5.3	30,000	8.8	34,100	10.0	1,280	2,267	3,463	
9	18	-	-	27	3.2	5.8	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
12	15	-	-	27	3.9	4.8	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
5	24	-	-	29	1.6	7.4	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
12	18	-	-	30	3.9	5.8	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
15	15	-	-	30	4.8	4.8	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
7	24	-	-	31	2.5	7.4	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
9	24	-	-	33	3.2	7.4	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
15	18	-	-	33	4.8	5.8	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
18	18	-	-	36	5.8	5.8	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
12	24	-	-	36	3.9	7.4	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
15	24	-	-	39	4.8	7.4	-	-	18,000	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
5	5	5	-	15	1.6	1.6	1.6	-	10,800	3.2	18,000	5.3	21,600	6.3	690	1,192	1,662	
5	5	7	-	17	1.6	1.6	2.5	-	12,240	3.6	20,400	6.0	24,480	7.2	782	1,368	1,934	
5	5	9	-	19	1.6	1.6	3.2	-	13,680	4.0	22,800	6.7	27,360	8.0	876	1,549	2,183	
5	7	7	-	19	1.6	2.5	2.5	-	13,680	4.0	22,800	6.7	27,360	8.0	876	1,549	2,183	
5	7	9	-	21	1.6	2.5	3.2	-	15,120	4.4	25,200	7.4	30,240	8.9	972	1,735	2,486	
7	7	7	-	21	2.5	2.5	2.5	-	15,120	4.4	25,200	7.4	30,240	8.9	972	1,735	2,486	
5	5	12	-	22	1.6	1.6	3.9	-	15,840	4.6	26,400	7.7	31,680	9.3	1,020	1,817	2,650	
5	9	9	-	23	1.6	3.2	3.2	-	16,560	4.9	27,600	8.1	33,120	9.7	1,093	1,926	2,831	
7	7	9	-	23	2.5	2.5	3.2	-	16,560	4.9	27,600	8.1	33,120	9.7	1,093	1,926	2,831	
5	7	12	-	24	1.6	2.5	3.9	-	17,280	5.1	28,800	8.4	34,560	10.1	1,142	2,010	3,020	
5	5	15	-	25	1.6	1.6	4.8	-	18,000	5.3	30,000	8.8	34,720	10.2	1,192	2,131	3,268	
5	9	9	-	25	2.5	3.2	3.2	-	18,000	5.3	30,000	8.8	34,720	10.2	1,192	2,131	3,268	
5	9	12	-	26	1.6	3.2	3.9	-	18,720	5.5	31,200	9.1	34,720	10.2	1,242	2,228	3,068	
7	7	12	-	26	2.5	2.5	3.9	-	18,720	5.5	31,200	9.1	34,720	10.2	1,242	2,228	3,068	
5	7	15	-	27	1.6	2.5	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9	9	9	-	27	3.2	3.2	3.2	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7	9	12	-	28	2.5	3.2	3.9	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	5	18	-	28	1.6	1.6	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	9	15	-	29	1.6	3.2	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	9	18	-	29	1.6	3.2	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	12	12	-	29	1.6	3.9	3.9	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	7	15	-	29	2.5	2.5	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	7	18	-	30	1.6	2.5	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9	9	12	-	30	3.2	3.2	3.9	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7	9	15	-	31	2.5	3.2	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7	12	12	-	31	2.5	3.9	3.9	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	12	15	-	32	1.6	3.9	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	9	18	-	32	1.6	3.2	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7	7	18	-	32	2.5	2.5	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9	9	15	-	33	3.2	3.2	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9	12	12	-	33	3.2	3.9	3.9	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7	9	18	-	34	2.5	3.9	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	5	24	-	34	1.6	1.6	7.4	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	12	18	-	35	1.6	3.9	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	15	15	-	35	1.6	4.8	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	7	24	-	35	1.6	2.5	7.4	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7	12	15	-	36	3.2	3.9	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
12	12	12	-	36	3.9	3.9	3.9	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9	9	18	-	36	3.2	3.2	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7	12	18	-	37	2.5	3.9	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7	15	15	-	37	2.5	4.8	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	9	24	-	38	1.6	3.2	7.4	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5	15	18	-	38	2.5	2.5	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7	7	24	-	38	3.2	3.9	5.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9	12	18	-	39	3.2	4.8	4.8	-	18,000	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9	15	15	-	3														

COMBINATION TABLE

MU5M30 U44

Operation	Combination (kBtu/h)						Cooling														
							Each Capacity (kW)						Total Capacity			Total Input (W)					
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max						
1 Unit	5	-	-	-	-	5	1.5	-	-	-	-	4,500	1.3	5,000	1.5	6,000	1.8	416	467	684	
	7	-	-	-	-	7	2.1	-	-	-	-	4,800	1.4	7,000	2.1	8,400	2.5	416	551	741	
	9	-	-	-	-	9	2.6	-	-	-	-	4,800	1.6	9,000	2.6	10,800	3.2	416	689	961	
	12	-	-	-	-	12	3.5	-	-	-	-	7,200	2.1	12,000	3.5	14,400	4.2	551	944	1,287	
	15	-	-	-	-	15	4.4	-	-	-	-	8,520	2.5	14,200	4.2	17,040	5.0	661	1,149	1,557	
	18	-	-	-	-	18	5.3	-	-	-	-	10,800	3.2	18,000	5.3	21,600	6.3	858	1,482	2,013	
	24	-	-	-	-	24	7.0	-	-	-	-	14,400	4.2	24,000	7.0	25,500	7.5	1,149	2,026	2,830	
	5	5	-	-	-	-	10	1.5	1.5	-	-	-	6,000	1.8	10,000	2.9	12,000	3.5	423	696	952
	5	7	-	-	-	-	12	1.5	2.1	-	-	-	7,200	2.1	12,000	3.5	14,400	4.2	496	850	1,158
	5	9	-	-	-	-	14	1.5	2.6	-	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,008	1,370
	7	9	-	-	-	-	14	2.1	2.1	-	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,008	1,370
	7	9	-	-	-	-	16	2.1	2.6	-	-	-	9,600	2.8	16,000	4.7	19,200	5.6	670	1,169	1,588
5	12	-	-	-	-	17	1.5	3.5	-	-	-	10,200	3.0	17,000	5.0	20,400	6.0	721	1,251	1,715	
9	9	-	-	-	-	18	2.6	2.6	-	-	-	10,800	3.2	18,000	5.3	21,600	6.3	772	1,354	1,812	
7	12	-	-	-	-	19	2.1	3.5	-	-	-	11,400	3.3	19,000	5.6	22,800	6.7	798	1,418	1,943	
5	15	-	-	-	-	20	1.5	4.4	-	-	-	12,000	3.5	20,000	5.9	24,000	7.0	850	1,503	2,042	
9	12	-	-	-	-	21	2.6	3.5	-	-	-	12,600	3.7	21,000	6.2	25,200	7.4	902	1,589	2,230	
7	15	-	-	-	-	22	2.1	4.4	-	-	-	13,200	3.9	22,000	6.4	26,400	7.7	955	1,647	2,376	
9	18	-	-	-	-	23	1.5	5.3	-	-	-	13,800	4.0	23,000	6.7	27,600	8.1	981	1,704	2,586	
9	15	-	-	-	-	24	2.6	4.4	-	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,823	2,756	
12	12	-	-	-	-	24	3.5	3.5	-	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,823	2,756	
7	18	-	-	-	-	25	2.1	5.3	-	-	-	15,000	4.4	25,000	7.3	30,000	8.8	1,088	1,948	2,993	
9	18	-	-	-	-	27	1.5	6.2	-	-	-	16,200	4.7	27,000	7.9	32,400	9.5	1,169	2,112	3,442	
12	15	-	-	-	-	27	3.5	4.4	-	-	-	16,200	4.7	27,000	7.9	32,400	9.5	1,169	2,112	3,442	
5	24	-	-	-	-	29	1.5	7.0	-	-	-	17,400	5.1	29,000	8.5	33,000	9.7	1,279	2,512	3,579	
12	18	-	-	-	-	30	3.5	5.3	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
15	15	-	-	-	-	30	4.4	4.4	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
7	24	-	-	-	-	31	2.1	7.0	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
9	24	-	-	-	-	33	2.6	7.0	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
15	18	-	-	-	-	33	4.4	5.3	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
9	18	-	-	-	-	33	5.3	5.3	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
12	24	-	-	-	-	36	3.5	7.0	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
15	24	-	-	-	-	39	4.4	7.0	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
18	24	-	-	-	-	42	5.3	7.0	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
24	24	-	-	-	-	48	7.0	7.0	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
5	5	5	-	-	-	15	1.5	1.5	1.5	-	-	9,000	2.6	15,000	4.4	18,000	5.3	583	1,023	1,403	
5	5	7	-	-	-	17	1.5	1.5	2.1	-	-	10,200	3.0	17,000	5.0	20,400	6.0	678	1,176	1,615	
5	5	9	-	-	-	19	1.5	1.5	2.6	-	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826	
5	7	9	-	-	-	21	1.5	2.1	3.5	-	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
7	7	7	-	-	-	21	2.1	2.1	2.1	-	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
5	5	12	-	-	-	22	1.5	1.5	3.5	-	-	13,200	3.9	22,000	6.4	26,400	7.7	897	1,548	2,234	
7	7	9	-	-	-	23	1.5	2.1	4.4	-	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
7	7	9	-	-	-	23	2.1	2.1	2.6	-	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
5	7	12	-	-	-	24	1.5	2.1	3.5	-	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	5	15	-	-	-	25	1.5	1.5	4.4	-	-	15,000	4.4	25,000	7.3	30,000	8.8	1,023	1,831	2,865	
5	5	15	-	-	-	25	1.5	2.1	4.4	-	-	15,000	4.4	25,000	7.3	30,000	8.8	1,023	1,831	2,865	
5	9	12	-	-	-	26	1.5	2.6	3.5	-	-	15,600	4.6	26,000	7.6	31,200	9.1	1,073	1,953	3,063	
7	7	12	-	-	-	26	2.1	2.1	3.5	-	-	15,600	4.6	26,000	7.6	31,200	9.1	1,073	1,953	3,063	
5	7	15	-	-	-	27	1.5	2.1	4.4	-	-	16,200	4.7	27,000	7.9	32,400	9.5	1,099	2,079	3,342	
9	9	9	-	-	-	27	2.6	2.6	2.6	-	-	16,200	4.7	27,000	7.9	32,400	9.5	1,099	2,079	3,342	
7	9	12	-	-	-	28	2.1	2.6	3.5	-	-	16,800	4.9	28,000	8.2	33,600	9.8	1,150	2,231	3,564	
5	5	18	-	-	-	28	1.5	1.5	5.3	-	-	16,800	4.9	28,000	8.2	33,600	9.8	1,150	2,231	3,564	
5	9	15	-	-	-	29	1.5	2.6	4.4	-	-	17,400	5.1	29,000	8.5	33,600	9.8	1,202	2,390	3,564	
7	12	12	-	-	-	29	2.1	2.6	3.5	-	-	17,400	5.1	29,000	8.5	33,600	9.8	1,202	2,390	3,564	
7	7	15	-	-	-	29	2.1	2.1	4.4	-	-	17,400	5.1	29,000	8.5	33,600	9.8	1,202	2,390	3,564	
5	7	18	-	-	-	30	1.5	2.1	5.3	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	9	12	-	-	-	30	2.6	2.6	3.5	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	9	15	-	-	-	31	2.1	2.6	4.4	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	12	12	-	-	-	31	2.1	3.5	3.5	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	12	15	-	-	-	32	1.5	3.5	4.4	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	9	18	-	-	-	32	1.5	2.6	5.3	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	12	15	-	-	-	32	2.1	2.6	4.4	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	9	15	-	-	-	33	2.6	2.6	4.4	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	9	15	-	-	-	33	2.6	2.6	4.4	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	12	12	-	-	-	33	2.6	3.5	3.5	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	9	18	-	-	-	34	2.1	2.6	5.3	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	12	15	-	-	-	34	2.1	3.5	4.4	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	5	24	-	-	-	34	1.5	1.5	7.0	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	12	18	-	-	-	35	1.5	3.5	5.3	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	15	15	-	-	-	35	1.5	4.4	4.4	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	12	15	-	-	-	36	2.6	3.5	4.4	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
12	12	12	-	-	-	36	3.5	3.5	3.5	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	9	18	-	-	-	36	2.6	2.6	5.3	-	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
12	12	18	-	-	-	37	2.1	3.5	5.3	-	-	18,000									

COMBINATION TABLE

MU5M30 U44

Operation	Combination (kBtu/h)						Heating															
							Each Capacity (kW)						Total Capacity				Total Input (W)					
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	Min		Rated		Max		Min		Rated	Max						
							Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max							
3 Unit	7	18	18	-	-	43	2.5	5.8	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	7	12	24	-	-	43	2.5	3.9	7.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	5	15	24	-	-	44	1.6	1.6	7.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	9	18	18	-	-	45	3.2	5.8	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	9	12	24	-	-	45	3.2	3.9	7.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	12	15	18	-	-	45	2.9	4.8	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	15	15	15	-	-	45	4.8	4.8	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	7	15	24	-	-	46	2.5	4.8	7.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	5	18	24	-	-	47	1.6	5.8	7.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	9	15	24	-	-	48	3.2	4.8	7.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	12	18	18	-	-	48	3.9	5.8	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	12	12	24	-	-	48	3.9	3.9	7.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	15	15	18	-	-	48	4.8	4.8	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686		
	5	5	5	5	-	20	1.6	1.6	1.6	1.6	-	-	14,400	4.2	24,000	7.0	28,800	8.4	878	1,547	2,195	
	5	5	5	7	-	22	1.6	1.6	1.6	2.5	-	-	15,840	4.6	26,400	7.7	31,680	9.3	999	1,726	2,527	
	5	5	5	9	-	24	1.6	1.6	1.6	3.2	-	-	17,280	5.1	28,800	8.4	34,560	10.1	1,085	1,909	2,927	
	5	5	5	7	7	-	24	1.6	1.6	2.5	2.5	-	-	17,280	5.1	28,800	8.4	34,560	10.1	1,085	1,909	2,927
	5	5	5	7	9	-	26	1.6	1.6	2.5	3.2	-	-	18,720	5.5	31,200	9.1	37,440	11.0	1,180	2,116	3,427
	5	5	5	7	12	-	26	1.6	1.6	2.5	3.9	-	-	18,720	5.5	31,200	9.1	37,440	11.0	1,180	2,116	3,427
	5	5	5	5	12	-	27	1.6	1.6	1.6	3.9	-	-	19,440	5.7	32,400	9.5	39,640	11.3	1,227	2,281	3,606
5	5	5	9	9	-	28	1.6	1.6	3.2	3.2	-	-	20,160	5.9	33,600	9.8	38,640	11.3	1,276	2,411	3,606	
5	5	5	7	9	-	28	1.6	2.5	2.5	3.2	-	-	20,160	5.9	33,600	9.8	38,640	11.3	1,276	2,411	3,606	
5	5	5	7	12	-	28	1.6	1.6	3.2	3.2	-	-	20,160	5.9	33,600	9.8	38,640	11.3	1,276	2,411	3,606	
5	5	5	7	12	-	29	1.6	1.6	2.5	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	5	15	-	30	1.6	1.6	1.6	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	9	-	30	1.6	2.5	3.2	3.2	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	9	-	30	1.6	2.5	2.5	3.2	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	12	-	31	1.6	1.6	3.2	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	12	-	31	1.6	2.5	2.5	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	9	-	32	1.6	1.6	2.5	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	9	-	32	1.6	2.5	3.2	3.2	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	12	-	32	1.6	1.6	3.2	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	12	-	32	1.6	2.5	2.5	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	9	-	33	1.6	1.6	1.6	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	9	-	33	1.6	2.5	3.2	3.2	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	12	-	33	1.6	1.6	3.2	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	12	-	33	1.6	2.5	2.5	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	9	-	34	1.6	1.6	1.6	6.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	9	-	34	1.6	2.5	3.2	3.2	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	15	-	34	1.6	1.6	2.5	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	15	-	34	1.6	2.5	3.2	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	9	-	35	1.6	1.6	1.6	7.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	9	-	35	1.6	2.5	5.8	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	12	-	35	1.6	3.2	3.2	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	9	12	-	35	2.5	2.5	3.2	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
5	5	5	9	15	-	36	1.6	1.6	1.6	8.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	12	-	36	1.6	2.5	3.9	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	7	15	-	36	2.5	2.5	2.5	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
9	9	9	9	-	36	3.2	3.2	3.2	3.2	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
5	5	5	12	15	-	37	1.6	1.6	3.9	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	18	-	37	1.6	2.5	2.5	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	9	12	-	37	2.5	3.2	3.2	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
5	5	5	9	15	-	38	1.6	3.2	3.2	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	9	15	-	38	1.6	2.5	3.2	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	18	-	38	1.6	1.6	3.9	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	9	12	-	38	2.5	3.2	3.2	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
5	5	5	9	18	-	39	1.6	2.5	2.5	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	7	18	-	39	1.6	1.6	3.9	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
9	9	9	12	-	39	3.2	3.2	3.2	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
7	7	7	18	-	39	2.5	2.5	2.5	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
7	7	9	12	-	39	2.5	3.2	3.2	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
7	7	9	12	-	40	2.5	3.2	3.9	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
5	5	5	12	12	-	40	2.5	1.6	2.5	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	7	24	-	41	1.6	1.6	2.5	7.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	12	12	-	41	2.5	3.2	3.9	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	12	12	-	41	2.5	2.5	3.2	4.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	7	18	-	41	2.5	2.5	3.9	3.9	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
7	7	9	18	-	41	2.5	2.5	3.2	5.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606		
5	5	5	7	15																		

COMBINATION TABLE

MU5M40 UO2

Operation	Combination (kRtU/h)						Cooling											
							Each Capacity (kW)						Total Capacity				Total Input (W)	
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	Min	Rated		Max		Min	Rated	Max				
1 Unit	5	5	5	5	5	5	4500	13	5000	15	6000	18	700	1120	1703			
	5	5	5	5	7	7	4800	14	7000	21	8400	25	780	1120	1703			
	5	5	5	5	9	9	5400	16	9000	26	10800	32	780	1120	1703			
	5	5	5	5	12	12	6000	18	12000	35	14400	42	780	1120	1703			
	15	-	-	-	-	-	8520	25	14200	42	17040	50	780	1190	1809			
	18	-	-	-	-	-	10800	32	18000	53	21600	63	800	1260	1915			
	24	-	-	-	-	-	14400	42	24000	70	25500	75	1042	1680	2280			
	5	5	5	5	5	5	6000	18	10000	29	12000	35	780	1120	1703			
	5	5	5	5	7	7	7200	21	12000	35	14400	42	780	1120	1703			
	5	5	5	5	9	9	8400	25	14000	41	16800	49	780	1120	1703			
	5	5	5	5	12	12	9600	28	16000	47	19200	56	780	1120	1703			
	7	7	7	7	7	7	10200	30	17000	50	20400	60	780	1190	1809			
9	9	9	9	9	9	10800	32	18000	53	21600	63	800	1260	1915				
12	12	12	12	12	12	12000	35	19000	56	22800	67	825	1330	2022				
15	15	15	15	15	15	12000	35	20000	59	24000	70	868	1400	2128				
18	18	18	18	18	18	12600	37	21000	62	25200	74	911	1470	2235				
24	24	24	24	24	24	13200	38	22000	64	26400	77	954	1540	2342				
5	5	5	5	5	5	13800	40	23000	67	27600	81	998	1610	2447				
5	5	5	5	7	7	14400	42	24000	70	28800	85	1020	1645	2500				
5	5	5	5	9	9	14400	42	24000	70	28800	85	1042	1680	2554				
5	5	5	5	12	12	15000	44	25000	73	30000	88	1085	1750	2660				
7	7	7	7	7	7	16200	47	27000	79	32400	95	1172	1860	2873				
9	9	9	9	9	9	17400	51	29000	85	34800	102	1259	2030	3086				
12	12	12	12	12	12	18000	53	30000	88	36000	106	1302	2100	3192				
15	15	15	15	15	15	18000	53	30000	88	36000	106	1324	2135	3245				
18	18	18	18	18	18	18600	55	31000	91	37200	109	1345	2170	3299				
24	24	24	24	24	24	19200	57	32000	94	38400	113	1387	2240	3406				
5	5	5	5	5	5	19800	58	33000	97	39600	116	1427	2310	3512				
5	5	5	5	7	7	21600	63	36000	106	43200	126	1562	2520	3831				
5	5	5	5	9	9	21600	63	36000	106	43200	126	1562	2520	3831				
5	5	5	5	12	12	21600	63	36000	106	43200	126	1562	2520	3831				
7	7	7	7	7	7	22800	67	38000	111	45600	134	1693	2730	4150				
9	9	9	9	9	9	22800	67	38000	111	45600	134	1693	2730	4150				
12	12	12	12	12	12	22800	67	38000	111	45600	134	1693	2730	4150				
15	15	15	15	15	15	22800	67	38000	111	45600	134	1693	2730	4150				
18	18	18	18	18	18	22800	67	38000	111	45600	134	1693	2730	4150				
24	24	24	24	24	24	22800	67	38000	111	45600	134	1693	2730	4150				
5	5	5	5	5	5	22800	67	38000	111	45600	134	1693	2730	4150				
5	5	5	5	7	7	24000	70	40800	120	47600	146	1780	2880	4318				
5	5	5	5	9	9	24000	70	40800	120	47600	146	1780	2880	4318				
5	5	5	5	12	12	24000	70	40800	120	47600	146	1780	2880	4318				
7	7	7	7	7	7	25200	74	42000	126	49000	154	1915	3037	4547				
9	9	9	9	9	9	25200	74	42000	126	49000	154	1915	3037	4547				
12	12	12	12	12	12	25200	74	42000	126	49000	154	1915	3037	4547				
15	15	15	15	15	15	25200	74	42000	126	49000	154	1915	3037	4547				
18	18	18	18	18	18	25200	74	42000	126	49000	154	1915	3037	4547				
24	24	24	24	24	24	25200	74	42000	126	49000	154	1915	3037	4547				
5	5	5	5	5	5	25200	74	42000	126	49000	154	1915	3037	4547				
5	5	5	5	7	7	26400	78	44000	132	50800	162	2030	3245	4777				
5	5	5	5	9	9	26400	78	44000	132	50800	162	2030	3245	4777				
5	5	5	5	12	12	26400	78	44000	132	50800	162	2030	3245	4777				
7	7	7	7	7	7	27600	81	45000	138	52200	170	2135	3459	5006				
9	9	9	9	9	9	27600	81	45000	138	52200	170	2135	3459	5006				
12	12	12	12	12	12	27600	81	45000	138	52200	170	2135	3459	5006				
15	15	15	15	15	15	27600	81	45000	138	52200	170	2135	3459	5006				
18	18	18	18	18	18	27600	81	45000	138	52200	170	2135	3459	5006				
24	24	24	24	24	24	27600	81	45000	138	52200	170	2135	3459	5006				
5	5	5	5	5	5	27600	81	45000	138	52200	170	2135	3459	5006				
5	5	5	5	7	7	28800	85	46000	144	53600	178	2240	3563	5315				
5	5	5	5	9	9	28800	85	46000	144	53600	178	2240	3563	5315				
5	5	5	5	12	12	28800	85	46000	144	53600	178	2240	3563	5315				
7	7	7	7	7	7	29400	87	47000	147	54600	182	2310	3670	5422				
9	9	9	9	9	9	29400	87	47000	147	54600	182	2310	3670	5422				
12	12	12	12	12	12	29400	87	47000	147	54600	182	2310	3670	5422				
15	15	15	15	15	15	29400	87	47000	147	54600	182	2310	3670	5422				
18	18	18	18	18	18	29400	87	47000	147	54600	182	2310	3670	5422				
24	24	24	24	24	24	29400	87	47000	147	54600	182	2310	3670	5422				
5	5	5	5	5	5	29400	87	47000	147	54600	182	2310	3670	5422				
5	5	5	5	7	7	30600	91	48000	153	56000	190	2415	3884	5731				
5	5	5	5	9	9	30600	91	48000	153	56000	190	2415	3884	5731				
5	5	5	5	12	12	30600	91	48000	153	56000	190	2415	3884	5731				
7	7	7	7	7	7	31200	93	49000	156	57000	194	2457	3937	5838				
9	9	9	9	9	9	31200	93	49000	156	57000	194	2457	3937	5838				
12	12	12	12	12	12	31200	93	49000	156	57000	194	2457	3937	5838				
15	15	15	15	15	15	31200	93	49000	156	57000	194	2457	3937	5838				
18	18	18	18	18	18	31200	93	49000	156	57000	194	2457	3937	5838				
24	24	24	24	24	24	31200	93	49000	156	57000	194	2457	3937	5838				
5	5	5	5	5	5	31200	93	49000	156	57000	194	2457	3937	5838				
5	5	5	5	7	7	32400	97	50000	162	58400	202	2550	4046	6067				
5	5	5	5	9	9	32400	97	50000	162	58400	202	2550	4046	6067				
5	5	5	5	12	12	32400	97	50000	162	58400	202	2550	4046	6067				
7	7	7	7	7	7	33000	99	51000	165	59400	210	2610	4153	6174				
9	9	9	9	9	9	33000	99	51000	165	59400	210	2610	4153	6174				
12	12	12	12	12	12	33000	99	51000	165	59400	210	2610	4153	6174				
15	15	15	15	15	15	33000	99	51000	165	59400	210	2610	4153	6174				
18	18	18	18	18	18	33000	99	51000	165	59400	210	2610	4153	6174				
24	24	2																

COMBINATION TABLE

MU5M40 UO2

Operation	Combination (kBtu/h)					Cooling													
						Each Capacity (kW)					Total Capacity				Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max				
5	7	7	7	7	33	1.5	2.1	2.1	2.1	2.1	19,800	5.8	33,000	9.7	39,600	11.6	1,432	2,310	3,512
5	5	5	5	12	34	1.5	1.5	1.5	2.1	3.5	20,400	6.0	34,000	10.0	40,800	12.0	1,476	2,380	3,618
5	5	5	5	15	35	1.5	1.5	1.5	1.5	4.4	21,000	6.2	35,000	10.3	42,000	12.3	1,498	2,415	3,671
5	7	7	7	9	35	1.5	2.1	2.1	2.1	2.6	21,000	6.2	35,000	10.3	42,000	12.3	1,519	2,450	3,724
5	7	7	7	9	35	1.5	2.1	2.1	2.1	2.6	21,000	6.2	35,000	10.3	42,000	12.3	1,519	2,450	3,724
5	5	5	5	9	36	1.5	1.5	1.5	1.5	2.6	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831
5	5	5	5	12	36	1.5	1.5	1.5	2.1	3.5	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831
5	5	5	5	15	37	1.5	1.5	1.5	1.5	4.4	22,200	6.4	37,000	10.8	44,400	13.0	1,584	2,555	3,884
5	5	5	5	9	37	1.5	1.5	1.5	2.6	2.6	22,200	6.5	37,000	10.8	44,400	13.0	1,606	2,590	3,937
5	7	7	7	9	37	1.5	2.1	2.1	2.1	2.6	22,200	6.5	37,000	10.8	44,400	13.0	1,606	2,590	3,937
5	5	5	5	18	38	1.5	1.5	1.5	1.5	5.3	22,800	6.7	38,000	11.1	45,600	13.4	1,649	2,660	4,044
5	7	7	7	12	38	1.5	2.1	2.1	2.1	3.5	22,800	6.7	38,000	11.1	45,600	13.4	1,649	2,660	4,044
5	5	5	5	9	39	1.4	1.4	1.4	1.4	2.6	23,400	6.8	38,200	11.2	45,840	13.5	1,671	2,695	4,097
5	5	5	5	12	39	1.4	1.4	1.4	1.4	3.4	23,400	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	39	1.4	1.4	1.4	2.0	2.0	23,400	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	9	39	1.4	2.0	2.0	2.0	2.6	23,400	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	9	39	1.4	2.0	2.0	2.0	2.6	23,400	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	18	40	1.4	1.4	1.4	1.4	2.0	24,000	6.8	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	40	1.4	1.4	1.4	2.5	2.5	24,000	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	12	40	1.4	2.0	2.0	2.0	2.5	24,000	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	40	1.4	1.4	1.4	1.9	2.5	24,000	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	41	1.4	1.4	1.4	1.9	2.5	24,000	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	41	1.4	2.5	2.5	2.5	2.5	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	9	41	1.9	1.9	1.9	1.9	2.5	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	41	1.9	1.9	1.9	2.5	2.5	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	42	1.3	1.3	1.3	1.3	3.2	24,000	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	42	1.3	1.3	1.3	1.9	1.9	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	9	42	1.9	1.9	1.9	1.9	2.4	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	9	42	1.9	1.9	1.9	1.9	2.4	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	42	1.3	1.3	1.3	2.3	2.3	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	43	1.3	1.3	1.3	1.8	2.3	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	12	43	1.3	1.8	1.8	1.8	3.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	15	43	1.8	1.8	1.8	1.8	3.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	9	43	1.8	1.3	1.3	1.3	1.8	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	43	1.3	1.3	1.3	1.8	3.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	44	1.3	1.3	1.3	1.8	3.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	44	1.3	1.3	1.3	1.8	3.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	18	44	1.3	1.8	1.8	1.8	4.6	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	44	1.3	2.3	2.3	2.3	3.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	44	1.3	2.3	2.3	2.3	3.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	45	1.2	1.2	1.2	1.2	3.0	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	45	1.2	1.2	1.2	1.2	3.0	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	45	1.2	1.2	1.2	1.2	3.0	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	12	45	1.7	1.7	1.7	1.7	3.0	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	15	45	1.7	1.7	1.7	1.7	3.0	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	46	1.2	2.2	2.2	2.2	2.2	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	46	1.2	2.2	2.2	2.2	2.2	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	46	1.2	2.2	2.2	2.2	2.2	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	12	46	1.2	1.7	1.7	1.7	2.9	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	15	46	1.2	1.7	1.7	1.7	2.9	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	47	1.1	2.1	2.1	2.1	2.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	47	1.1	2.1	2.1	2.1	2.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	47	1.1	2.1	2.1	2.1	2.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	12	47	1.7	1.7	1.7	1.7	2.9	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	15	47	1.7	1.7	1.7	1.7	2.9	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	48	1.2	1.2	1.2	1.6	1.6	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	48	1.2	1.2	1.2	1.6	1.6	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	48	1.2	1.2	1.2	1.6	1.6	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	12	48	1.6	1.6	1.6	1.6	2.8	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	15	48	1.6	1.6	1.6	1.6	2.8	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	49	1.1	1.1	1.1	1.1	2.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	49	1.1	1.1	1.1	1.1	2.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	49	1.1	1.1	1.1	1.1	2.1	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	12	49	1.6	1.6	1.6	1.6	2.8	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	15	49	1.6	1.6	1.6	1.6	2.8	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	9	50	1.1	1.1	1.1	1.6	1.6	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	12	50	1.1	1.1	1.1	1.6	1.6	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	5	5	5	15	50	1.1	1.1	1.1	1.6	1.6	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	12	50	1.6	1.6	1.6	1.6	2.7	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150
5	7	7	7	15	50	1.6	1.6	1.6	1.6	2.7	24,200	6.7	38,200	11.2	46,000	13.5	1,693	2,730	

COMBINATION TABLE

FM40AH UO2

Total Indoor Unit Capacity (kBTU/h)	Cooling Capacity						Input (W)			Heating Capacity						Input (W)		
	Min		Rated		Max		Min	Rated	Max	Min		Rated		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW				Btu/h	kW	Btu/h	kW	Btu/h	kW			
16	9,600	2.8	16,000	4.7	19,200	5.6	780	1,120	1,703	10,560	3.1	17,600	5.2	21,120	6.2	820	1,120	1,826
18	10,800	3.2	18,000	5.3	21,600	6.3	800	1,260	1,915	11,880	3.5	19,800	5.8	23,760	7.0	820	1,260	2,054
19	11,400	3.3	19,000	5.6	22,800	6.7	825	1,330	2,022	12,540	3.7	20,900	6.1	25,080	7.4	825	1,330	2,168
21	12,600	3.7	21,000	6.2	25,200	7.4	911	1,470	2,235	13,860	4.1	23,100	6.8	27,720	8.1	911	1,470	2,396
23	13,800	4.0	23,000	6.7	27,600	8.1	998	1,610	2,447	15,180	4.4	25,300	7.4	30,360	8.9	998	1,610	2,624
24	14,400	4.2	24,000	7.0	28,800	8.4	1,042	1,680	2,554	15,840	4.6	26,400	7.7	31,680	9.3	1,042	1,680	2,738
25	15,000	4.4	25,000	7.3	30,000	8.8	1,085	1,750	2,660	16,500	4.8	27,500	8.1	33,000	9.7	1,085	1,750	2,853
26	15,600	4.6	26,000	7.6	31,200	9.1	1,128	1,820	2,767	17,160	5.0	28,600	8.4	34,320	10.1	1,128	1,820	2,967
27	16,200	4.7	27,000	7.9	32,400	9.5	1,172	1,890	2,873	17,820	5.2	29,700	8.7	35,640	10.4	1,172	1,890	3,081
28	16,800	4.9	28,000	8.2	33,600	9.8	1,215	1,960	2,979	18,480	5.4	30,800	9.0	36,960	10.8	1,215	1,960	3,195
29	17,400	5.1	29,000	8.5	34,800	10.2	1,259	2,030	3,086	19,140	5.6	31,900	9.3	38,280	11.2	1,259	2,030	3,309
30	18,000	5.3	30,000	8.8	36,000	10.6	1,302	2,100	3,192	19,800	5.8	33,000	9.7	39,600	11.6	1,302	2,100	3,423
31	18,600	5.5	31,000	9.1	37,200	10.9	1,345	2,170	3,299	20,460	6.0	34,100	10.0	40,920	12.0	1,345	2,170	3,537
32	19,200	5.6	32,000	9.4	38,400	11.3	1,389	2,240	3,405	21,120	6.2	35,200	10.3	42,240	12.4	1,389	2,240	3,651
33	19,800	5.8	33,000	9.7	39,600	11.6	1,432	2,310	3,512	21,780	6.4	36,300	10.6	43,560	12.8	1,432	2,310	3,765
34	20,400	6.0	34,000	10.0	40,800	12.0	1,476	2,380	3,618	22,440	6.6	37,400	11.0	44,880	13.2	1,476	2,380	3,879
35	21,000	6.2	35,000	10.3	42,000	12.3	1,519	2,450	3,724	23,100	6.8	38,500	11.3	46,200	13.5	1,519	2,450	3,994
36	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831	23,760	7.0	39,600	11.6	47,520	13.9	1,562	2,520	4,108
37	22,200	6.5	37,000	10.8	44,400	13.0	1,606	2,590	3,937	24,420	7.2	40,700	11.9	48,840	14.3	1,606	2,590	4,222
38	22,800	6.7	38,000	11.1	45,600	13.4	1,649	2,660	4,044	25,080	7.4	41,800	12.3	50,160	14.7	1,649	2,660	4,336
39	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
40	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
41	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
42	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
43	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
44	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
45	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
46	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
47	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
48	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
49	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
50	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
51	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
52	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
53	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
54	22,920	6.7	38,200	11.2	46,000	13.5	1,693	2,730	4,150	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450

Note:
 1. Cooling Capacity is based on : indoor temp,27°C DB / 19°C WB, outdoor temp,35°C DB
 2. Heating Capacity is based on : indoor temp,20°C DB, outdoor temp,7°C DB / 6°C WB
 3. The rated capacities above show the rise in the total indoor unit capacity when operating frequency is constant.
 *Values for changes in capacity are fixed after accounting for variations in operating frequency and should be used as reference values.
 4. Total capacity index of indoor unit should be within 16 - 52 kBTU/h (40% - 130%)
 5. At least two indoor units should be connected.

FM48AH U32

Total Indoor Unit Capacity (kBTU/h)	Cooling Capacity						Input (W)			Heating Capacity						Input (W)		
	Min		Rated		Max		Min	Rated	Max	Min		Rated		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW				Btu/h	kW	Btu/h	kW	Btu/h	kW			
19	11,400	3.3	18,535	5.4	20,900	6.1	840	1,222	1,665	12,768	3.7	23,088	6.8	27,365	8.0	1,300	1,728	2,470
20	12,000	3.5	19,510	5.7	22,000	6.4	880	1,282	1,746	13,440	3.9	24,303	7.1	28,482	8.3	1,348	1,863	2,663
21	12,600	3.7	20,486	6.0	23,100	6.8	920	1,341	1,827	14,112	4.1	25,518	7.5	29,600	8.7	1,395	1,997	2,855
22	13,200	3.9	21,461	6.3	24,200	7.1	960	1,401	1,908	14,784	4.3	26,733	7.8	30,869	9.0	1,443	2,132	3,048
23	13,800	4.0	22,437	6.6	25,300	7.4	1,000	1,460	1,989	15,456	4.5	27,948	8.2	32,138	9.4	1,490	2,267	3,240
24	14,400	4.2	23,412	6.9	26,400	7.7	1,040	1,520	2,071	16,128	4.7	29,163	8.5	33,407	9.8	1,537	2,402	3,433
25	15,000	4.4	24,388	7.1	27,476	8.0	1,080	1,580	2,152	16,800	4.9	30,378	8.8	34,676	10.2	1,585	2,537	3,626
26	15,600	4.6	25,363	7.4	28,551	8.3	1,120	1,640	2,233	17,472	5.1	31,589	9.1	35,945	10.5	1,632	2,672	3,819
27	16,200	4.7	26,339	7.7	29,626	8.6	1,160	1,700	2,314	18,144	5.3	32,800	9.4	37,214	10.9	1,679	2,807	4,012
28	16,800	4.9	27,314	8.0	30,701	8.9	1,200	1,760	2,395	18,816	5.5	34,011	9.7	38,483	11.3	1,726	2,942	4,205
29	17,400	5.1	28,289	8.3	31,776	9.2	1,240	1,820	2,476	19,488	5.7	35,222	10.0	39,752	11.7	1,773	3,077	4,398
30	18,000	5.3	29,264	8.6	32,851	9.5	1,280	1,880	2,557	20,160	5.9	36,433	10.3	41,021	12.0	1,820	3,212	4,591
31	18,600	5.5	30,239	8.9	33,926	9.8	1,320	1,940	2,638	20,832	6.1	37,644	10.6	42,290	12.4	1,867	3,347	4,784
32	19,200	5.6	31,214	9.1	34,901	10.0	1,360	2,000	2,719	21,504	6.3	38,855	10.9	43,559	12.8	1,914	3,482	4,977
33	19,800	5.8	32,189	9.4	35,976	10.3	1,400	2,060	2,800	22,176	6.5	40,066	11.2	44,828	13.1	1,961	3,617	5,170
34	20,400	6.0	33,164	9.7	37,051	10.6	1,440	2,120	2,881	22,848	6.7	41,279	11.5	46,097	13.5	2,008	3,752	5,363
35	21,000	6.2	34,139	10.0	38,126	10.9	1,480	2,180	2,962	23,520	6.9	42,489	11.8	47,366	13.9	2,055	3,887	5,556
36	21,600	6.3	35,114	10.3	39,201	11.2	1,520	2,240	3,043	24,192	7.1	43,700	12.1	48,635	14.3	2,102	4,022	5,749
37	22,200	6.5	36,089	10.6	40,276	11.5	1,560	2,300	3,124	24,864	7.3	44,911	12.4	49,904	14.7	2,149	4,157	5,942
38	22,800	6.7	37,064	10.9	41,351	11.8	1,600	2,360	3,205	25,536	7.5	46,122	12.7	51,173	15.1	2,196	4,292	6,135
39	23,400	6.9	38,039	11.2	42,426	12.1	1,640	2,420	3,286	26,208	7.7	47,333	13.0	52,442	15.5	2,243	4,427	6,328
40	24,000	7.0	39,014	11.5	43,501	12.4	1,680	2,480	3,367	26,880	7.9	48,544	13.3	53,711	15.9	2,290	4,562	6,521
41	24,600	7.2	39,989	11.7	44,576	12.7	1,720	2,540	3,448	27,552	8.1	49,755	13.6	54,980	16.3	2,337	4,697	6,714
42	25,200	7.4	40,964	12.0	45,651	13.0	1,760	2,600	3,529	28,224	8.3	51,000	13.9	5				

COMBINATION TABLE

FM56AH U32

Total Indoor Unit Capacity (kBTU/h)	Cooling Capacity						Input (W)			Heating Capacity						Input (W)		
	Min		Rated		Max		Min	Rated	Max	Min		Rated		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW				Btu/h	kW	Btu/h	kW	Btu/h	kW			
23	13,800	4.0	22,437	6.6	25,300	7.4	1,000	1,460	1,989	15,456	4.5	27,948	8.2	32,138	9.4	1,490	2,267	3,240
24	14,400	4.2	23,412	6.9	25,705	7.5	1,085	1,520	2,071	16,023	4.7	28,973	8.5	33,407	9.8	1,579	2,402	3,433
25	15,000	4.4	24,388	7.1	26,776	7.8	1,128	1,579	2,152	16,590	4.9	29,998	8.8	34,676	10.2	1,626	2,473	3,535
26	15,600	4.6	25,363	7.4	27,847	8.2	1,170	1,639	2,233	17,157	5.0	31,024	9.1	35,945	10.5	1,672	2,544	3,637
27	16,200	4.7	26,339	7.7	28,918	8.5	1,213	1,698	2,314	17,724	5.2	32,049	9.4	37,214	10.9	1,719	2,615	3,739
28	16,800	4.9	27,314	8.0	29,989	8.8	1,256	1,758	2,395	18,290	5.4	33,074	9.7	38,483	11.3	1,766	2,687	3,842
29	17,400	5.1	28,290	8.3	31,060	9.1	1,298	1,817	2,476	18,857	5.5	34,099	10.0	39,752	11.7	1,813	2,759	3,944
30	18,000	5.3	29,265	8.6	32,131	9.4	1,355	1,897	2,584	19,424	5.7	35,124	10.3	41,021	12.0	1,860	2,830	4,046
31	18,600	5.5	30,241	8.9	33,202	9.7	1,412	1,976	2,693	19,991	5.9	36,149	10.6	42,290	12.4	1,907	2,902	4,148
32	19,200	5.6	31,216	9.1	34,273	10.0	1,468	2,056	2,801	20,558	6.0	37,174	10.9	43,560	12.8	1,954	2,973	4,250
33	19,800	5.8	32,192	9.4	35,344	10.4	1,525	2,135	2,909	21,125	6.2	38,199	11.2	44,648	13.1	1,973	3,001	4,290
34	20,400	6.0	33,167	9.7	36,415	10.7	1,582	2,215	3,018	21,692	6.4	39,224	11.5	45,736	13.4	1,991	3,029	4,330
35	21,000	6.2	34,143	10.0	37,486	11.0	1,639	2,294	3,126	22,259	6.5	40,249	11.8	46,824	13.7	2,009	3,057	4,370
36	21,600	6.3	35,118	10.3	38,557	11.3	1,696	2,374	3,235	22,825	6.7	41,274	12.1	47,912	14.0	2,028	3,085	4,409
37	22,200	6.5	36,094	10.6	39,628	11.6	1,752	2,453	3,343	23,392	6.9	42,299	12.4	49,000	14.4	2,046	3,112	4,449
38	22,800	6.7	37,069	10.9	40,699	11.9	1,809	2,533	3,451	23,959	7.0	43,324	12.7	50,086	14.7	2,064	3,140	4,489
39	23,400	6.9	38,045	11.2	41,770	12.2	1,866	2,613	3,560	24,526	7.2	44,349	13.0	51,572	15.1	2,082	3,168	4,529
40	24,000	7.0	39,020	11.4	42,841	12.6	1,923	2,692	3,668	25,093	7.4	45,374	13.3	52,858	15.5	2,101	3,196	4,569
41	24,600	7.2	39,996	11.7	43,912	12.9	1,980	2,772	3,776	25,660	7.5	46,399	13.6	54,144	15.9	2,119	3,224	4,609
42	25,200	7.4	40,971	12.0	44,983	13.2	2,037	2,851	3,885	26,227	7.7	47,425	13.9	55,430	16.2	2,137	3,252	4,648
43	25,800	7.6	41,947	12.3	46,054	13.5	2,093	2,931	3,993	26,794	7.9	48,450	14.2	56,716	16.6	2,156	3,280	4,688
44	26,400	7.7	42,922	12.6	47,125	13.8	2,122	2,971	4,047	27,360	8.0	49,475	14.5	58,000	17.0	2,174	3,308	4,728
45	27,000	7.9	43,898	12.9	48,196	14.1	2,150	3,010	4,102	27,927	8.2	50,500	14.8	59,284	17.1	2,211	3,365	4,812
46	27,600	8.1	44,873	13.2	49,268	14.4	2,179	3,050	4,156	28,494	8.4	51,525	15.1	60,568	17.2	2,246	3,417	4,884
47	28,200	8.3	45,849	13.4	50,339	14.8	2,207	3,090	4,210	29,061	8.5	52,550	15.4	61,852	17.3	2,299	3,498	5,000
48	28,800	8.4	46,824	13.7	51,410	15.1	2,236	3,130	4,265	29,628	8.7	53,575	15.7	63,136	17.3	2,352	3,579	5,116
49	29,400	8.6	47,800	14.0	52,481	15.4	2,264	3,170	4,319	30,195	8.8	54,600	16.0	64,420	17.4	2,406	3,660	5,232
50	30,000	8.8	48,776	14.1	53,552	15.7	2,299	3,219	4,373	30,762	9.0	55,625	16.1	65,704	17.5	2,459	3,741	5,348
51	30,600	9.0	49,751	14.2	54,623	15.6	2,335	3,269	4,428	31,329	9.2	56,650	16.2	67,000	17.7	2,512	3,822	5,464
52	31,200	9.1	50,727	14.3	55,694	15.9	2,370	3,318	4,482	31,896	9.3	57,675	16.3	68,300	17.9	2,566	3,903	5,580
53	31,800	9.3	51,702	14.4	56,765	16.0	2,405	3,367	4,537	32,462	9.5	58,700	16.4	69,600	18.0	2,579	3,924	5,609
54	32,400	9.5	52,678	14.5	57,836	16.2	2,440	3,416	4,591	33,029	9.7	59,725	16.5	70,900	18.1	2,593	3,944	5,638
55	33,000	9.7	53,653	14.6	58,907	16.1	2,476	3,466	4,645	33,596	9.8	60,750	16.6	72,200	18.2	2,606	3,964	5,667
56	33,600	9.8	54,629	14.8	59,978	16.2	2,511	3,515	4,700	34,163	10.0	61,775	16.7	73,500	18.1	2,619	3,985	5,696
57	34,200	10.0	55,604	14.9	61,049	16.3	2,546	3,564	4,754	34,730	10.2	62,800	16.8	74,800	18.1	2,633	4,005	5,725
58	34,800	10.2	56,579	15.0	62,120	16.4	2,581	3,613	4,808	35,297	10.3	63,825	16.9	76,100	18.2	2,646	4,025	5,754
59	35,400	10.4	57,554	15.1	63,191	16.6	2,616	3,663	4,863	35,864	10.5	64,850	17.0	77,400	18.2	2,659	4,046	5,783
60	36,000	10.6	58,529	15.2	64,262	16.7	2,652	3,712	4,917	36,431	10.7	65,875	17.1	78,700	18.3	2,673	4,066	5,812
61	36,600	10.7	59,504	15.3	65,333	16.8	2,687	3,761	4,971	37,002	10.8	66,900	17.2	80,000	18.3	2,686	4,086	5,841
62	37,200	10.9	60,479	15.4	66,404	16.9	2,722	3,811	5,026	37,569	11.0	67,925	17.3	81,300	18.4	2,699	4,107	5,870
63	37,800	11.1	61,454	15.5	67,475	17.0	2,757	3,860	5,080	38,131	11.2	68,950	17.4	82,600	18.4	2,734	4,160	5,900
64	38,400	11.3	62,429	15.6	68,546	17.2	2,776	3,887	5,108	38,698	11.3	69,975	17.5	83,900	18.5	2,726	4,147	5,929
65	39,000	11.4	63,404	15.7	69,617	17.3	2,795	3,913	5,136	39,265	11.5	70,999	17.6	85,200	18.5	2,739	4,168	5,958
66	39,600	11.6	64,379	15.8	70,688	17.5	2,814	3,940	5,164	39,832	11.7	72,024	17.6	86,500	18.5	2,753	4,188	5,987
67	40,200	11.8	65,354	15.9	71,759	17.6	2,833	3,966	5,192	40,399	11.8	73,049	17.7	87,800	18.6	2,766	4,208	6,016
68	40,800	12.0	66,329	16.0	72,830	17.8	2,852	3,993	5,220	40,966	12.0	74,074	17.8	89,100	18.6	2,780	4,229	6,045
69	41,400	12.1	67,304	16.1	73,901	17.9	2,871	4,019	5,248	41,533	12.2	75,099	17.8	90,400	18.6	2,793	4,249	6,074
70	42,000	12.3	68,279	16.3	74,972	18.1	2,890	4,046	5,276	42,100	12.3	76,124	17.9	91,700	18.7	2,806	4,269	6,103
71	42,600	12.5	69,254	16.4	76,043	18.2	2,909	4,072	5,304	42,666	12.5	77,149	18.0	93,000	18.7	2,820	4,290	6,132
72	43,200	12.7	70,229	16.5	77,114	18.4	2,928	4,099	5,332	43,232	12.7	78,174	18.0	94,300	18.7	2,833	4,310	6,161
73	43,800	12.8	71,204	16.6	78,185	18.5	2,947	4,126	5,360	43,800	12.8	79,199	18.1	95,600	18.8	2,846	4,330	6,190

Note:
 1. Cooling Capacity is based on: indoor temp,27°C DB / 19°C WB, outdoor temp,35°C DB
 2. Heating Capacity is based on: indoor temp,20°C DB, outdoor temp,7°C DB / 6°C WB
 3. The rated capacities above show the rise in the total indoor unit capacity when operating frequency is constant.
 *Values for changes in capacity are fixed after accounting for variations in operating frequency and should be used as reference values.
 4. Total capacity index of indoor unit should be within 23 - 73 kBTU/h (40% - 130%)
 5. At least two indoor units should be connected.

FM41AH U32



Total Indoor Unit Capacity (kBTU/h)	Cooling Capacity						Input (W)			Heating Capacity						Input (W)		
	Min		Rated		Max		Min	Rated	Max	Min		Rated		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW				Btu/h	kW	Btu/h	kW	Btu/h	kW			
16	9,600	2.8	16,955	5.0	18,513	5.4	800	844	1,279	10,752	3	21,633	6	25,188	7	890	1,066	1,162
18	10,500	3.1	17,759	5.2	19,707	5.8	833	899	1,347	11,760	3	22,407	7	25,913	8	931	1,116	1,258
19	11,400	3.3	18,563	5.4	20,900	6.1	866	953	1,415	12,768	4	23,182	7	26,637	8	972	1,166	1,354
20	12,000	3.5	19,367	5.7	21,741	6.4	898	1,008	1,483	13,440	4	23,956	7	27,362	8	1,013	1,216	1,450
21	12,600	3.7	20,171	5.9	22,582	6.6	931	1,063	1,550	14,112	4	24,731	7	28,087	8	1,055	1,265	1,547
22	13,200	3.9	20,975	6.1	23,423	6.9	964	1,117	1,618	14,784	4	25,505	7	28,811	8	1,096	1,315	1,643
23	13,800	4.0	21,779	6.4	24,264	7.1	997	1,172	1,686	15,456	5	26,279	8	29,536	9	1,137	1,365	1,739
24	14,400	4.2	22,583	6.6	25,105	7.4	1,029	1,227	1,754	16,023	5	27,054	8	30,261	9	1,178	1,415	1,835
25	15,000	4.4	23,387	6.9	25,946	7.6	1,062	1,281										

COMBINATION TABLE

FM49AH U32



Total Indoor Unit Capacity (kBTU/h)	Cooling Capacity						Heating Capacity						Input (W)					
	Min		Rated		Max		Min		Rated		Max		Input (W)					
	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max			
19	11,400	3.3	18,535	5.4	20,900	6.1	840	1,222	1,665	12,768	3.7	23,088	6.8	27,365	8.0	1,300	1,728	2,470
20	12,000	3.5	19,510	5.7	22,000	6.4	880	1,282	1,746	13,440	3.9	24,303	7.1	28,482	8.3	1,348	1,863	2,663
21	12,600	3.7	20,486	6.0	23,100	6.8	920	1,341	1,827	14,112	4.1	25,518	7.5	29,600	8.7	1,395	1,997	2,855
22	13,200	3.9	21,461	6.3	24,200	7.1	960	1,401	1,908	14,784	4.3	26,733	7.8	30,869	9.0	1,443	2,132	3,048
23	13,800	4.0	22,437	6.6	25,300	7.4	1,000	1,460	1,989	15,456	4.5	27,948	8.2	32,138	9.4	1,490	2,267	3,240
24	14,400	4.2	23,412	6.9	26,400	7.7	1,040	1,520	2,071	16,128	4.7	29,163	8.5	33,407	9.8	1,537	2,402	3,433
25	15,000	4.4	24,388	7.1	27,500	7.8	1,128	1,579	2,152	16,800	4.9	30,378	8.8	34,676	10.2	1,626	2,473	3,535
26	15,600	4.6	25,363	7.4	28,600	8.2	1,170	1,639	2,233	17,472	5.0	31,024	9.1	35,945	10.5	1,672	2,544	3,637
27	16,200	4.7	26,339	7.7	29,700	8.5	1,213	1,698	2,314	18,144	5.2	32,049	9.4	37,214	10.9	1,719	2,616	3,739
28	16,800	4.9	27,314	8.0	30,800	8.8	1,256	1,758	2,395	18,816	5.4	33,074	9.7	38,483	11.3	1,766	2,687	3,842
29	17,400	5.1	28,290	8.3	31,900	9.1	1,298	1,817	2,476	19,488	5.5	34,099	10.0	39,752	11.7	1,813	2,759	3,944
30	18,000	5.3	29,265	8.6	33,000	9.4	1,355	1,897	2,584	20,160	5.7	35,124	10.3	41,021	12.0	1,860	2,830	4,046
31	18,600	5.5	30,241	8.9	34,200	9.7	1,412	1,976	2,693	20,832	5.9	36,149	10.6	42,290	12.4	1,907	2,902	4,148
32	19,200	5.6	31,216	9.1	35,400	10.0	1,468	2,055	2,801	21,504	6.0	37,174	10.9	43,560	12.8	1,954	2,973	4,250
33	19,800	5.8	32,192	9.4	36,600	10.4	1,525	2,135	2,909	22,176	6.2	38,199	11.2	44,830	13.1	1,973	3,001	4,290
34	20,400	6.0	33,167	9.7	37,800	10.7	1,582	2,215	3,018	22,848	6.4	39,224	11.5	46,100	13.4	1,991	3,029	4,330
35	21,000	6.2	34,143	10.0	39,000	11.1	1,639	2,294	3,126	23,520	6.5	40,249	11.8	47,370	13.7	2,009	3,057	4,370
36	21,600	6.3	35,118	10.3	40,200	11.3	1,696	2,374	3,235	24,192	6.7	41,274	12.1	48,630	14.0	2,028	3,085	4,409
37	22,200	6.5	36,094	10.6	41,400	11.6	1,752	2,453	3,343	24,864	6.9	42,299	12.4	49,890	14.4	2,046	3,112	4,449
38	22,800	6.7	37,069	10.9	42,600	11.9	1,809	2,533	3,451	25,536	7.0	43,324	12.7	50,286	14.7	2,064	3,140	4,489
39	23,400	6.9	38,045	11.2	43,800	12.2	1,866	2,613	3,560	26,208	7.2	44,349	13.0	51,572	15.1	2,082	3,168	4,529
40	24,000	7.0	39,020	11.4	45,000	12.5	1,923	2,692	3,668	26,880	7.4	45,374	13.3	52,858	15.5	2,101	3,196	4,569
41	24,600	7.2	39,996	11.7	46,200	12.9	1,980	2,772	3,776	27,552	7.5	46,399	13.6	54,144	15.9	2,119	3,224	4,609
42	25,200	7.4	40,971	12.0	47,400	13.2	2,037	2,851	3,885	28,224	7.7	47,424	13.9	55,430	16.2	2,137	3,252	4,648
43	25,800	7.6	41,947	12.3	48,600	13.5	2,093	2,931	3,993	28,896	7.9	48,449	14.2	56,716	16.6	2,156	3,280	4,688
44	26,400	7.7	42,922	12.6	49,800	13.8	2,150	3,010	4,102	29,568	8.0	49,474	14.5	58,002	17.0	2,174	3,308	4,728
45	27,000	7.9	43,898	12.9	51,000	14.1	2,207	3,090	4,210	30,240	8.2	50,500	14.8	59,288	17.4	2,192	3,336	4,768
46	27,600	8.1	44,873	13.2	52,200	14.4	2,264	3,170	4,319	30,912	8.4	51,525	15.1	60,574	17.8	2,210	3,364	4,808
47	28,200	8.3	45,849	13.5	53,400	14.7	2,321	3,250	4,428	31,584	8.5	52,550	15.4	61,858	18.2	2,228	3,392	4,848
48	28,800	8.4	46,824	13.7	54,600	15.0	2,378	3,330	4,537	32,256	8.7	53,575	15.7	63,142	18.6	2,246	3,420	4,888
49	29,400	8.6	47,800	14.0	55,800	15.3	2,435	3,410	4,646	32,928	8.8	54,600	16.0	64,426	19.0	2,264	3,448	4,928
50	30,000	8.8	48,776	14.1	57,000	15.5	2,492	3,490	4,755	33,600	9.0	55,625	16.3	65,710	19.4	2,282	3,476	4,968
51	30,600	9.0	49,751	14.3	58,200	15.8	2,549	3,570	4,864	34,272	9.2	56,650	16.6	67,000	19.8	2,300	3,504	5,008
52	31,200	9.1	50,727	14.5	59,400	16.1	2,606	3,650	4,973	34,944	9.3	57,675	16.9	68,284	20.2	2,318	3,532	5,048
53	31,800	9.3	51,702	14.8	60,600	16.4	2,663	3,730	5,082	35,616	9.5	58,700	17.2	69,568	20.6	2,336	3,560	5,088
54	32,400	9.5	52,678	15.1	61,800	16.7	2,720	3,810	5,191	36,288	9.7	59,725	17.5	70,852	21.0	2,354	3,588	5,128
55	33,000	9.7	53,653	15.4	63,000	17.0	2,777	3,890	5,300	36,960	9.8	60,750	17.8	72,136	21.4	2,372	3,616	5,168
56	33,600	9.8	54,629	15.7	64,200	17.3	2,834	3,970	5,409	37,632	10.0	61,775	18.1	73,420	21.8	2,390	3,644	5,208
57	34,200	10.0	55,604	16.0	65,400	17.6	2,891	4,050	5,518	38,304	10.2	62,800	18.4	74,704	22.2	2,408	3,672	5,248
58	34,800	10.2	56,579	16.3	66,600	17.9	2,948	4,130	5,627	38,976	10.3	63,825	18.7	75,988	22.6	2,426	3,700	5,288
59	35,400	10.4	57,554	16.6	67,800	18.2	3,005	4,210	5,736	39,648	10.5	64,850	19.0	77,272	23.0	2,444	3,728	5,328
60	36,000	10.6	58,529	16.9	69,000	18.5	3,062	4,290	5,845	40,320	10.7	65,875	19.3	78,556	23.4	2,462	3,756	5,368
61	36,600	10.7	59,504	17.2	70,200	18.8	3,119	4,370	5,954	40,992	10.8	66,900	19.6	79,840	23.8	2,480	3,784	5,408
62	37,200	10.9	60,479	17.5	71,400	19.1	3,176	4,450	6,063	41,664	11.0	67,925	20.0	81,124	24.2	2,498	3,812	5,448
63	37,800	11.1	61,454	17.8	72,600	19.4	3,233	4,530	6,172	42,336	11.2	68,950	20.3	82,408	24.6	2,516	3,840	5,488

Note:
 1. Cooling Capacity is based on : indoor temp,27°C DB / 19°C WB, outdoor temp,35°C DB
 2. Heating Capacity is based on : indoor temp,20°C DB, outdoor temp,7°C DB / 6°C WB
 3. The rated capacities above show the rise in the total indoor unit capacity when operating frequency is constant.
 4. Values for changes in capacity are fixed after accounting for variations in operating frequency and should be used as reference values.
 4. Total capacity index of indoor unit should be within 19 - 62k Btu/h (40% - 130%)
 5. At least two indoor units should be connected.

FM57AH U32



Total Indoor Unit Capacity (kBTU/h)	Cooling Capacity						Heating Capacity						Input (W)					
	Min		Rated		Max		Min		Rated		Max		Input (W)					
	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max			
23	13,800	4.0	22,437	6.6	25,300	7.4	1,000	1,460	1,989	15,456	4.5	27,948	8.2	32,138	9.4	1,490	2,267	3,240
24	14,400	4.2	23,412	6.9	26,400	7.7	1,040	1,520	2,071	16,128	4.7	29,163	8.5	33,407	9.8	1,537	2,402	3,433
25	15,000	4.4	24,388	7.1	27,500	7.8	1,128	1,579	2,152	16,800	4.9	30,378	8.8	34,676	10.2	1,626	2,473	3,535
26	15,600	4.6	25,363	7.4	28,600	8.2	1,170	1,639	2,233	17,472	5.0	31,024	9.1	35,945	10.5	1,672	2,544	3,637
27	16,200	4.7	26,339	7.7	29,700	8.5	1,213	1,698	2,314	18,144	5.2	32,049	9.4	37,214	10.9	1,719	2,616	3,739
28	16,800	4.9	27,314	8.0	30,800	8.8	1,256	1,758	2,395	18,816	5.4	33,074	9.7	38,483	11.3	1,766	2,687	3,842
29	17,400	5.1	28,290	8.3	31,900	9.1	1,298	1,817	2,476	19,488	5.5	34,099	10.0	39,752	11.7	1,813	2,759	3,944
30	18,000	5.3	29,265	8.6	33,000	9.4	1,355	1,897	2,584	20,160	5.7	35,124	10.3	41,021	12.0	1,860	2,830	4,046
31	18,600	5.5	30,241	8.9	34,200	9.7	1,412	1,976	2,693	20,832	5.9	36,149	10.6	42,290	12.4	1,907	2,902	4,148
32	19,200	5.6	31,216	9.1	35,400	10.0	1,468	2,055	2,801	21,504	6.0	37,174	10.9	43,560	12.8	1,954	2,973	4,250
33	19,800	5.8	32,192	9.4	36,600	10.4	1,525	2,135	2,909	22,176	6.2	38,199	11.2	44,830	13.1	1,973	3,001	4,290
34	20,400	6.0	33,167	9.7	37,800	10.7	1,582	2,215	3,018	22,848	6.4	39,224	11.5	46,100	13.4	1,991	3,029	4,330
35	21,000	6.2	34,143	10.0	39,000	11.0	1,639	2,294	3,126	23,520	6.5	40,249	11.8	47,370	13.7	2,009	3,057	4,370
36	21,600	6.3	35,118	10.3	40,200	11.3	1,696	2,374	3,235	24,192	6.7	41,274	12.1	48,630	14.0	2,028	3,085	4,409
37	22,200	6.5	36,094	10.6	41,400	11.6	1,752	2,453	3,343	24,864	6.9	42,299	12.4	49,890	14.4			