



MULTI F MULTI F MAX WITH LGRED^o

COMBINATION DATA MANUAL

Multi-Zone Heat Pump Systems
1.5 to 4.0 Tons

Dual-, Tri-, and Quad-Zone
Multi F



Up to Eight Zones
Multi F MAX



PROPRIETARY DATA NOTICE

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ALLOWABLE IDU TO ODU CONNECTIONS **MULTI F** WITH **LGRED°** **MULTI F** **MAX**

Table 1: Multi F with LGRED Allowable Indoor Unit to Outdoor Unit Connections.

Indoor Units		Outdoor Units		
Model Type	Indoor Unit Nominal Capacity (Btu/h)	LMU180HHV	LMU240HHV	LMU300HHV
		Maximum No. of Connectable Indoor Units		
ART COOL Mirror	9,000	0	0	0
	12,000	0	0	0
	18,000	-	0	0
ART COOL Gallery	9,000	0	0	0
	12,000	0	0	0
	15,000	0	0	0
Standard Wall Mounted	7,000	0	0	0
	9,000	0	0	0
	12,000	0	0	0
	15,000	0	0	0
	18,000	-	0	0
	24,000	-	0	0
Ceiling Concealed Duct-Low Static	9,000	0	0	0
	12,000	0	0	0
	18,000	-	0	0
Ceiling Concealed Duct-High Static	24,000	-	-	0
	36,000	-	-	-
	7,000	0	0	0
Four-Way Ceiling Cassette	9,000	0	0	0
	12,000	0	0	0
	18,000	-	0	0
	18,000	-	0	0
Vertical-Horizontal Air Handler	24,000	-	-	0
	36,000	-	-	-
	9,000	0	0	0
Console	12,000	0	0	0
	15,000	0	0	0



Figure 1: Dual-Zone (LMU180HHV) Multi F with LGRED System — Mix and match for 14,000-24,000 Btu/h.



Figure 2: Tri-Zone (LMU240HHV) Multi F with LGRED System — Mix and match for 14,000-33,000 Btu/h.



Figure 3: Quad-Zone (LMU300HHV) Multi F with LGRED System — Mix and match for 14,000-40,000 Btu/h.

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MULTI F WITH LGRED[®] ALLOWABLE IDU TO ODU CONNECTIONS

MULTI F MAX

Table 2: Multi F MAX with LGRED Allowable Indoor Unit to Outdoor Unit Connections.

Indoor Units		Outdoor Units		
Model Type	Indoor Unit Nominal Capacity (Btu/h)	LMU361HHV	LMU421HHV	LMU480HHV
		Maximum No. of Connectable Indoor Units		
		5	6	8
ART COOL Mirror	9,000	0	0	0
	12,000	0	0	0
	18,000	0	0	0
ART COOL Gallery	9,000	0	0	0
	12,000	0	0	0
	18,000	0	0	0
Standard Wall Mounted	7,000	0	0	0
	9,000	0	0	0
	12,000	0	0	0
	15,000	0	0	0
	18,000	0	0	0
	24,000	0	0	0
Ceiling Concealed Duct-Low Static	9,000	0	0	0
	12,000	0	0	0
	18,000	0	0	0
Ceiling Concealed Duct-High Static	24,000	0	0	0
	36,000	0	0	0
	48,000	0	0	0
Four-Way Ceiling Cassette	7,000	0	0	0
	9,000	0	0	0
	12,000	0	0	0
	18,000	0	0	0
Vertical-Horizontal Air Handler	18,000	0	0	0
	24,000	0	0	0
	36,000	0 <td 0	0	
Console	9,000	0	0	0
	12,000	0	0	0
	15,000	0	0	0

Figure 4: LMU361HHV, LMU421HHV, and LMU480HHV Multi F MAX with LGRED System — 18,000-48,000 Btu/h (36 MBH), 18,000-56,000 Btu/h (42 MBH), and 18,000-65,000 Btu/h (48 MBH).

Combination Data



MULTI F WITH LGRED LMU180HHV

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

Table 3: LMU180HHV with Non-Ducted, Ducted, and Mixed Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	7	7	-	-	14	7,000	7,000	-	-	8,400	2.46	14,000	4.10	16,800	4.92	875	1,249	1,749	11.2	17.4
	7	9	-	-	16	7,000	9,000	-	-	9,600	2.81	16,000	4.69	19,200	5.63	904	1,291	1,808	12.4	19.3
	9	9	-	-	18	9,000	9,000	-	-	10,800	3.16	18,000	5.28	19,980	5.57	933	1,333	1,866	13.5	21.0
	7	12	-	-	19	6,632	11,368	-	-	10,800	3.17	18,000	5.28	19,980	5.86	933	1,333	1,866	13.5	21.0
	9	12	-	-	21	7,714	10,286	-	-	10,800	3.16	18,000	5.28	19,980	5.57	933	1,333	1,866	13.5	21.0
	7	15	-	-	22	5,727	12,273	-	-	10,800	3.17	18,000	5.28	19,980	5.86	933	1,333	1,866	13.5	21.0
	9	15	-	-	24	6,750	11,250	-	-	10,800	3.17	18,000	5.28	19,980	5.86	933	1,333	1,866	13.5	21.0
12	12	-	-	24	9,000	9,000	-	-	10,800	3.16	18,000	5.28	19,980	5.57	933	1,333	1,866	13.5	21.0	
Ducted Indoor Units																				
Two Units	9	9	-	-	18	8,250	8,250	-	-	9,900	3.16	16,500	4.84	19,000	5.57	963	1,375	1,925	12.0	17.5
	9	12	-	-	21	7,071	9,429	-	-	9,900	3.16	16,500	4.84	19,000	5.57	963	1,375	1,925	12.0	17.5
	12	12	-	-	24	8,250	8,250	-	-	9,900	3.16	16,500	4.84	19,000	5.57	963	1,375	1,925	12.0	17.5
Mixed Indoor Units																				
Two Units	7	9	-	-	16	6,891	8,859	-	-	9,450	2.77	15,750	4.62	19,000	5.57	925	1,322	1,850	11.9	18.0
	9	9	-	-	18	8,625	8,625	-	-	10,350	3.16	17,250	5.06	19,000	5.57	948	1,353	1,896	12.7	19.3
	7	12	-	-	19	6,355	10,895	-	-	10,350	3.03	17,250	5.06	19,000	5.57	948	1,353	1,896	12.7	19.3
	9	12	-	-	21	7,393	9,857	-	-	10,350	3.16	17,250	5.06	19,000	5.57	948	1,353	1,896	12.7	19.3
	9	15	-	-	24	6,469	10,781	-	-	10,350	3.03	17,250	5.06	19,000	5.57	948	1,353	1,896	12.7	19.3
	12	12	-	-	24	8,625	8,625	-	-	10,350	3.16	17,250	5.06	19,000	5.57	948	1,353	1,896	12.7	19.3

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Table 4: LMU180HHV with Non-Ducted, Ducted, and Mixed Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			COP	HSPF
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	7	7	-	-	14	8,540	8,540	-	-	10,248	3.00	17,080	5.01	19,642	5.76	1,246	1,779	2,491	2.8	9.7
	7	9	-	-	16	8,540	10,980	-	-	11,712	3.43	19,520	5.72	22,448	6.58	1,401	2,001	2,802	2.9	9.9
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,556	2,223	3,112	2.9	10.0
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,556	2,223	3,112	2.9	10.0
	9	12	-	-	21	9,429	12,571	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,556	2,223	3,112	2.9	10.0
	7	15	-	-	22	7,000	15,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,556	2,223	3,112	2.9	10.0
	9	15	-	-	24	8,250	13,750	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,556	2,223	3,112	2.9	10.0
	12	12	-	-	24	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,556	2,223	3,112	2.9	10.0
Ducted Indoor Units																				
Two Units	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,736	2,480	3,472	2.6	9.0
	9	12	-	-	21	9,429	12,571	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,736	2,480	3,472	2.6	9.0
	12	12	-	-	24	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,736	2,480	3,472	2.6	9.0
Mixed Indoor Units																				
Two Units	7	9	-	-	16	8,540	10,980	-	-	11,712	3.43	19,520	5.72	22,448	6.58	1,519	2,171	3,039	2.6	9.2
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,642	2,345	3,283	2.7	9.5
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,642	2,345	3,283	2.7	9.5
	9	12	-	-	21	9,429	12,571	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,642	2,345	3,283	2.7	9.5
	9	15	-	-	24	8,250	13,750	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,642	2,345	3,283	2.7	9.5
	12	12	-	-	24	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,642	2,345	3,283	2.7	9.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
 LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
 LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.

MULTI F WITH LGRED LMU240HHV



Rated Cooling Combination Tables

Table 5: LMU240HHV with Non-Ducted and Ducted Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	7	7	-	-	14	7,000	7,000	-	-	8,400	2.46	14,000	4.10	16,800	4.92	936	1,337	1,872	10.5	16.3
	7	9	-	-	16	7,000	9,000	-	-	9,600	2.81	16,000	4.69	19,200	5.63	1,013	1,447	2,025	11.1	17.2
	9	9	-	-	18	9,000	9,000	-	-	10,800	3.17	18,000	5.28	21,600	6.33	1,089	1,556	2,178	11.6	18.0
	7	12	-	-	19	7,000	12,000	-	-	11,400	3.34	19,000	5.57	22,800	6.68	1,127	1,610	2,255	11.8	18.3
	9	12	-	-	21	9,000	12,000	-	-	12,600	3.69	21,000	6.15	25,200	7.39	1,204	1,720	2,408	12.2	19.0
	7	15	-	-	22	7,000	15,000	-	-	13,200	3.87	22,000	6.45	26,400	7.74	1,242	1,774	2,484	12.4	19.3
	9	15	-	-	24	9,000	15,000	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,637	12.7	19.8
	12	12	-	-	24	12,000	12,000	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,638	12.7	19.8
	7	18	-	-	25	6,720	17,280	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,638	12.7	19.8
	9	18	-	-	27	8,000	16,000	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,638	12.7	19.8
	12	15	-	-	27	10,667	13,333	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,638	12.7	19.8
	12	18	-	-	30	9,600	14,400	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,638	12.7	19.8
	15	15	-	-	30	12,000	12,000	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,638	12.7	19.8
	7	24	-	-	31	5,419	18,581	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,638	12.7	19.8
9	24	-	-	33	6,545	17,455	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,638	12.7	19.8	
15	18	-	-	33	10,909	13,091	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,319	1,884	2,638	12.7	19.8	
Three Units	7	7	7	-	21	6,720	6,720	6,720	-	12,096	3.55	21,000	5.91	25,200	7.39	1,132	1,684	2,263	12.5	19.4
	7	7	9	-	23	6,720	6,720	8,640	-	13,248	3.88	22,080	6.47	27,600	8.09	1,188	1,697	2,375	13.0	20.2
	7	9	9	-	25	6,720	8,640	8,640	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0
	7	7	12	-	26	6,462	6,462	11,077	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0
	9	9	9	-	27	8,000	8,000	8,000	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0
	7	9	12	-	28	6,000	7,714	10,286	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0
	7	7	15	-	29	5,793	5,793	12,414	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0
	9	9	12	-	30	7,200	7,200	9,600	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0
	7	9	15	-	31	5,419	6,968	11,613	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0
	7	12	12	-	31	5,419	9,290	9,290	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0
	7	7	18	-	32	5,250	5,250	13,500	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0
9	9	15	-	33	6,545	6,545	10,909	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0	
9	12	12	-	33	6,545	8,727	8,727	-	14,400	4.22	24,000	7.03	30,000	8.79	1,244	1,777	2,488	13.5	21.0	
Ducted Indoor Units																				
Two Units	9	9	-	-	18	8,250	8,250	-	-	9,900	2.90	16,500	4.84	19,800	5.80	1,113	1,590	2,226	10.4	15.3
	9	12	-	-	21	7,736	10,314	-	-	10,830	3.17	18,050	5.29	21,660	6.35	1,185	1,693	2,370	10.7	15.8
	12	12	-	-	24	10,000	10,000	-	-	12,000	3.52	20,000	5.86	24,000	7.03	1,290	1,843	2,581	10.8	16.0
	9	18	-	-	27	6,667	13,333	-	-	12,000	3.52	20,000	5.86	24,000	7.03	1,290	1,843	2,581	10.8	16.0
	12	18*	-	-	30	8,000	12,000	-	-	12,000	3.52	20,000	5.86	24,000	7.03	1,290	1,843	2,581	10.8	16.0
Three Units	9	9	9	-	27	6,667	6,667	6,667	-	12,000	3.52	20,000	5.86	25,000	7.33	1,217	1,739	2,435	11.5	17.0
	9	9	12	-	30	6,000	6,000	8,000	-	12,000	3.52	20,000	5.86	25,000	7.33	1,217	1,739	2,435	11.5	17.0
	9	12	12	-	33	5,455	7,273	7,273	-	12,000	3.52	20,000	5.86	25,000	7.33	1,217	1,739	2,435	11.5	17.0

*Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
 LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
 LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

Table 6: LMU240HHV with Mixed Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
<i>Mixed Indoor Units</i>																				
Two Units	7	9	-	-	16	6,891	8,859	-	-	9,450	2.77	15,750	4.62	18,900	5.54	1,035	1,478	2,070	10.7	16.2
	9	9	-	-	18	8,625	8,625	-	-	10,350	3.03	17,250	5.06	20,700	6.07	1,101	1,573	2,202	11.0	16.7
	7	12	-	-	19	6,586	11,289	-	-	10,725	3.14	17,875	5.24	21,450	6.29	1,121	1,602	2,242	11.2	16.9
	9	12	-	-	21	8,368	11,157	-	-	11,715	3.43	19,525	5.72	23,430	6.87	1,194	1,706	2,389	11.4	17.4
	9	15	-	-	24	8,250	13,750	-	-	13,200	3.87	22,000	6.45	26,400	7.74	1,304	1,863	2,609	11.8	17.9
	12	12	-	-	24	11,000	11,000	-	-	13,200	3.87	22,000	6.45	26,400	7.74	1,305	1,864	2,609	11.8	17.9
	7	18	-	-	25	6,160	15,840	-	-	13,200	3.87	22,000	6.45	26,400	7.74	1,305	1,864	2,609	11.8	17.9
	9	18	-	-	27	7,333	14,667	-	-	13,200	3.87	22,000	6.45	26,400	7.74	1,305	1,864	2,609	11.8	17.9
	12	15	-	-	27	9,778	12,222	-	-	13,200	3.87	22,000	6.45	26,400	7.74	1,305	1,864	2,609	11.8	17.9
	12	18*	-	-	30	8,800	13,200	-	-	13,200	3.87	22,000	6.45	26,400	7.74	1,305	1,864	2,609	11.8	17.9
15	18*	-	-	33	10,000	12,000	-	-	13,200	3.87	22,000	6.45	26,400	7.74	1,305	1,864	2,609	11.8	17.9	
9	24*	-	-	33	6,000	16,000	-	-	13,200	3.87	22,000	6.45	26,400	7.74	1,305	1,864	2,609	11.8	17.9	
Three Units	7	7	9		23	6,160	6,160	7,920	-	12,144	3.56	20,240	5.93	25,300	7.42	1,177	1,681	2,353	12.0	18.3
	7	9	9		25	6,160	7,920	7,920	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0
	7	7	12		26	5,923	5,923	10,154	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0
	9	9	9	-	27	7,333	7,333	7,333	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0
	7	9	12		28	5,500	7,071	9,429	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0
	9	9	12	-	30	6,600	6,600	8,800	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0
	7	9	15		31	4,968	6,387	10,645	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0
	7	12	12		31	4,968	8,516	8,516	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0
	7	7	18*		32	4,813	4,813	12,375	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0
	9	9	15		33	6,000	6,000	10,000	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0
9	12	12	-	33	6,000	8,000	8,000	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,464	12.5	19.0	

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
 LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
 LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.

MULTI F WITH LGRED LMU240HHV

Rated Heating Combination Tables



Table 7: LMU240HHV with Non-Ducted and Ducted Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			COP	HSPF
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	7	7	-	-	14	8,540	8,540	-	-	10,248	3.00	17,080	5.01	19,642	5.76	1,258	1,797	2,516	2.8	8.3
	7	9	-	-	16	8,540	10,980	-	-	11,712	3.43	19,520	5.72	22,448	6.58	1,320	1,886	2,640	3.0	9.0
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,414	2,020	2,828	3.2	9.5
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,414	2,020	2,828	3.2	9.5
	9	12	-	-	21	9,996	13,328	-	-	13,994	4.10	23,324	6.84	26,823	7.86	1,476	2,109	2,953	3.2	9.6
	7	15	-	-	22	7,705	16,511	-	-	14,530	4.26	24,216	7.10	27,848	8.16	1,508	2,154	3,015	3.3	9.8
	9	15	-	-	24	9,750	16,250	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,570	2,243	3,140	3.4	10.1
	12	12	-	-	24	13,000	13,000	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,573	2,247	3,146	3.4	10.1
	7	18	-	-	25	7,280	18,720	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,573	2,247	3,146	3.4	10.1
	9	18	-	-	27	8,667	17,333	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,573	2,247	3,146	3.4	10.1
	12	15	-	-	27	11,556	14,444	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,573	2,247	3,146	3.4	10.1
	12	18	-	-	30	10,400	15,600	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,573	2,247	3,146	3.4	10.1
	15	15	-	-	30	13,000	13,000	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,573	2,247	3,146	3.4	10.1
	15	18	-	-	33	11,818	14,182	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,573	2,247	3,146	3.4	10.1
	7	24	-	-	31	5,871	20,129	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,573	2,247	3,146	3.4	10.1
9	24	-	-	33	7,091	18,909	-	-	15,600	4.57	26,000	7.62	29,900	8.76	1,573	2,247	3,146	3.4	10.1	
Three Units	7	7	7	-	21	7,280	7,280	7,280	-	13,104	3.84	21,840	6.40	26,208	7.68	1,388	1,983	2,776	3.2	9.6
	7	7	9	-	23	7,280	7,280	9,360	-	14,352	4.21	23,920	7.01	28,704	8.41	1,434	2,049	2,869	3.4	10.2
	7	9	9	-	25	7,280	9,360	9,360	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	7	7	12	-	26	7,000	7,000	12,000	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	9	9	9	-	27	8,667	8,667	8,667	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	7	9	12	-	28	6,500	8,357	11,143	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	7	7	15	-	29	6,276	6,276	13,448	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	9	9	12	-	30	7,800	7,800	10,400	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	7	9	15	-	31	5,871	7,548	12,581	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	7	12	12	-	31	5,871	10,065	10,065	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	7	7	18	-	32	5,688	5,688	14,625	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	9	9	15	-	33	7,091	7,091	11,818	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
	9	12	12	-	33	7,091	9,455	9,455	-	15,600	4.57	26,000	7.62	31,200	9.14	1,481	2,116	2,962	3.6	10.7
Ducted Indoor Units																				
Two Units	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,726	2,466	3,452	2.6	8.1
	9	12	-	-	21	9,429	12,571	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,726	2,466	3,452	2.6	8.1
	12	12	-	-	24	12,000	12,000	-	-	14,400	4.22	24,000	7.03	27,600	8.09	1,736	2,480	3,472	2.8	8.5
	9	18	-	-	27	8,000	16,000	-	-	14,400	4.22	24,000	7.03	27,600	8.09	1,736	2,480	3,472	2.8	8.5
	12	18*	-	-	30	9,600	14,400	-	-	14,400	4.22	24,000	7.03	27,600	8.09	1,736	2,480	3,472	2.8	8.5
Three Units	9	9	9	-	27	8,000	8,000	8,000	-	14,400	4.22	24,000	7.03	28,800	8.44	1,698	2,425	3,395	2.9	9.0
	9	9	12	-	30	7,200	7,200	9,600	-	14,400	4.22	24,000	7.03	28,800	8.44	1,698	2,425	3,395	2.9	9.0
	9	12	12	-	33	6,545	8,727	8,727	-	14,400	4.22	24,000	7.03	28,800	8.44	1,698	2,425	3,395	2.9	9.0

*Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
 LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
 LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

Table 8: LMU240HHV with Mixed Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			COP	HSPF
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
<i>Mixed Indoor Units</i>																				
Two Units	7	9	-	-	16	8,540	10,980	-	-	11,712	3.43	19,520	5.72	22,448	6.58	1,462	2,089	2,924	2.7	8.4
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,570	2,243	3,140	2.9	8.8
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,570	2,243	3,140	2.9	8.8
	9	12	-	-	21	9,712	12,950	-	-	13,597	3.99	22,662	6.64	26,061	7.64	1,601	2,288	3,203	2.9	8.9
	9	15	-	-	24	9,375	15,625	-	-	15,000	4.40	25,000	7.33	28,750	8.43	1,685	2,407	3,369	3.0	9.3
	12	12	-	-	24	12,500	12,500	-	-	15,000	4.40	25,000	7.33	28,750	8.43	1,654	2,364	3,309	3.1	9.4
	7	18	-	-	25	7,000	18,000	-	-	15,000	4.40	25,000	7.33	28,750	8.43	1,654	2,364	3,309	3.1	9.4
	9	18	-	-	27	8,333	16,667	-	-	15,000	4.40	25,000	7.33	28,750	8.43	1,654	2,364	3,309	3.1	9.4
	12	15	-	-	27	11,111	13,889	-	-	15,000	4.40	25,000	7.33	28,750	8.43	1,654	2,364	3,309	3.1	9.4
	12	18*	-	-	30	10,000	15,000	-	-	15,000	4.40	25,000	7.33	28,750	8.43	1,654	2,364	3,309	3.1	9.4
	15	18*	-	-	33	11,364	13,636	-	-	15,000	4.40	25,000	7.33	28,750	8.43	1,654	2,364	3,309	3.1	9.4
9	24*	-	-	33	6,818	18,182	-	-	15,000	4.40	25,000	7.33	28,750	8.43	1,654	2,364	3,309	3.1	9.4	
Three Units	7	7	9	-	23	7,000	7,000	9,000	-	13,800	4.04	23,000	6.74	27,600	8.09	1,547	2,210	3,095	3.0	9.3
	7	9	9	-	25	7,000	9,000	9,000	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9
	7	7	12	-	26	6,731	6,731	11,538	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9
	9	9	9	-	27	8,333	8,333	8,333	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9
	7	9	12	-	28	6,250	8,036	10,714	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9
	9	9	12	-	30	7,500	7,500	10,000	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9
	7	9	15	-	31	5,645	7,258	12,097	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9
	7	12	12	-	31	5,645	9,677	9,677	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9
	7	7	18*	-	32	5,469	5,469	14,063	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9
	9	9	15	-	33	6,818	6,818	11,364	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9
	9	12	12	-	33	6,818	9,091	9,091	-	15,000	4.40	25,000	7.33	30,000	8.79	1,579	2,255	3,157	3.2	9.9

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.

MULTI F WITH LGRED LMU300HHV

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Tables

Table 9: LMU300HHV with Non-Ducted Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
<i>Non-Ducted Indoor Units</i>																				
Two Units	7	7	-	-	14	7,000	7,000	-	-	8,400	2.5	14,000	4.1	15,540	4.6	945	1,350	1,891	10.4	16.6
	7	9	-	-	16	7,000	9,000	-	-	9,600	2.8	16,000	4.7	17,760	5.2	1,038	1,483	2,076	10.8	17.3
	9	9	-	-	18	9,000	9,000	-	-	10,800	3.2	18,000	5.3	19,980	5.9	1,130	1,615	2,261	11.1	17.8
	7	12	-	-	19	7,000	12,000	-	-	11,400	3.3	19,000	5.6	21,090	6.2	1,177	1,681	2,353	11.3	18.1
	9	12	-	-	21	9,000	12,000	-	-	12,600	3.7	21,000	6.2	23,310	6.8	1,269	1,813	2,539	11.6	18.5
	7	15	-	-	22	7,000	15,000	-	-	13,200	3.9	22,000	6.4	24,420	7.2	1,316	1,879	2,631	11.7	18.7
	9	15	-	-	24	9,000	15,000	-	-	14,400	4.2	24,000	7.0	26,640	7.8	1,434	2,048	2,867	11.7	18.8
	12	12	-	-	24	12,000	12,000	-	-	14,400	4.2	24,000	7.0	26,640	7.8	1,434	2,048	2,867	11.7	18.8
	7	18	-	-	25	6,879	17,688	-	-	14,740	4.3	24,567	7.2	27,269	8.0	1,464	2,092	2,929	11.7	18.8
	9	18	-	-	27	8,567	17,133	-	-	15,420	4.5	25,700	7.5	28,527	8.4	1,530	2,185	3,059	11.8	18.8
	12	15	-	-	27	11,422	14,278	-	-	15,420	4.5	25,700	7.5	28,527	8.4	1,530	2,185	3,059	11.8	18.8
	12	18	-	-	30	11,360	17,040	-	-	17,040	5.0	28,400	8.3	31,524	9.2	1,686	2,408	3,372	11.8	18.9
	15	15	-	-	30	14,200	14,200	-	-	17,040	5.0	28,400	8.3	31,524	9.2	1,686	2,408	3,372	11.8	18.9
	7	24	-	-	31	6,413	21,987	-	-	17,040	5.0	28,400	8.3	31,524	9.2	1,686	2,408	3,372	11.8	18.9
	9	24	-	-	33	7,745	20,655	-	-	17,040	5.0	28,400	8.3	31,524	9.2	1,686	2,408	3,372	11.8	18.9
	15	18	-	-	33	12,909	15,491	-	-	17,040	5.0	28,400	8.3	31,524	9.2	1,686	2,408	3,372	11.8	18.9
	18	18	-	-	36	14,200	14,200	-	-	17,040	5.0	28,400	8.3	31,524	9.2	1,686	2,408	3,372	11.8	18.9
12	24	-	-	36	9,467	18,933	-	-	17,040	5.0	28,400	8.3	31,524	9.2	1,686	2,408	3,372	11.8	18.9	
15	24	-	-	39	10,923	17,477	-	-	17,040	5.0	28,400	8.3	31,524	9.2	1,686	2,408	3,372	11.8	18.9	
Three Units	7	7	7	-	21	7,000	7,000	7,000	-	12,600	3.7	21,000	6.2	24,150	7.1	1,177	1,681	2,353	12.5	20.0
	7	7	9	-	23	6,892	6,892	8,861	-	13,587	4.0	22,644	6.6	26,041	7.6	1,269	1,812	2,537	12.5	20.0
	7	9	9	-	25	6,801	8,744	8,744	-	14,573	4.3	24,567	7.1	27,932	8.2	1,361	1,966	2,721	12.5	20.0
	7	7	12	-	26	6,761	6,761	11,590	-	15,067	4.4	25,111	7.4	28,878	8.5	1,407	2,009	2,813	12.5	20.0
	9	9	9	-	27	8,644	8,644	8,644	-	15,560	4.6	25,933	7.6	29,823	8.7	1,453	2,075	2,905	12.5	20.0
	7	9	12	-	28	6,689	8,600	11,467	-	16,053	4.7	26,756	7.8	30,769	9.0	1,498	2,141	2,997	12.5	20.0
	7	7	15	-	29	6,657	6,657	14,264	-	16,547	4.8	27,578	8.1	31,714	9.3	1,544	2,206	3,089	12.5	20.0
	9	9	12	-	30	8,520	8,520	11,360	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	7	9	15	-	31	6,413	8,245	13,742	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	7	12	12	-	31	6,413	10,994	10,994	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	7	7	18	-	32	6,213	6,213	15,975	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	9	9	15	-	33	7,745	7,745	12,909	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	9	12	12	-	33	7,745	10,327	10,327	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	7	9	18	-	34	5,847	7,518	15,035	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	7	12	15	-	34	5,847	10,024	12,529	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	9	9	18	-	36	7,100	7,100	14,200	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	9	12	15	-	36	7,100	9,467	11,833	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	12	12	12	-	36	9,467	9,467	9,467	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	7	12	18	-	37	5,373	9,211	13,816	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
	7	15	15	-	37	5,373	11,514	11,514	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0
7	7	24	-	38	5,232	5,232	17,937	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0	
9	12	18	-	39	6,554	8,738	13,108	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0	
9	15	15	-	39	6,554	10,923	10,923	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0	
12	12	15	-	39	8,738	8,738	10,923	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0	
7	9	24	-	40	4,970	6,390	17,040	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0	
7	15	18	-	40	4,970	10,650	12,780	-	17,040	5.0	28,400	8.3	32,660	9.6	1,590	2,272	3,181	12.5	20.0	

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
 LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
 LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

Table 10: LMU300HHV with Non-Ducted, Ducted, and Mixed Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Four Units	7	7	7	7	28	6,689	6,689	6,689	6,689	16,053	4.7	26,756	7.8	32,107	9.4	1,497	2,139	2,995	12.5	20.0
	7	7	7	9	30	6,627	6,627	6,627	8,520	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	7	7	9	9	32	6,213	6,213	7,988	7,988	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	7	7	7	12	33	6,024	6,024	6,024	10,327	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	7	9	9	9	34	5,847	7,518	7,518	7,518	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	7	7	9	12	35	5,680	5,680	7,303	9,737	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	7	7	7	15	36	5,522	5,522	5,522	11,833	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	9	9	9	9	36	7,100	7,100	7,100	7,100	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	7	9	9	12	37	5,373	6,908	6,908	9,211	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	7	7	9	15	38	5,232	5,232	6,726	11,211	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	7	7	12	12	38	5,232	5,232	8,968	8,968	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	7	7	7	18	39	5,097	5,097	5,097	13,108	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
	9	9	9	12	39	6,554	6,554	6,554	8,738	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0
7	9	9	15	40	4,970	6,390	6,390	10,650	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0	
7	9	12	12	40	4,970	6,390	8,520	8,520	17,040	5.0	28,400	8.3	34,080	10.0	1,590	2,272	3,181	12.5	20.0	
Ducted Indoor Units																				
Two Units	9	9	-	-	18	8,250	8,250	-	-	9,900	2.9	16,500	4.8	18,315	5.4	1,169	1,670	2,338	9.9	16.5
	9	12	-	-	21	7,867	10,489	-	-	11,014	3.2	18,356	5.4	20,375	6.0	1,300	1,857	2,599	9.9	16.5
	12	12	-	-	24	10,219	10,219	-	-	12,263	3.6	20,438	6.0	22,686	6.6	1,446	2,066	2,892	9.9	16.5
	9	18	-	-	27	7,506	15,013	-	-	13,511	4.0	22,519	6.6	24,996	7.3	1,592	2,275	3,184	9.9	16.5
	12	18	-	-	30	9,840	14,760	-	-	14,760	4.3	24,600	7.2	27,306	8.0	1,739	2,484	3,477	9.9	16.5
	9	24	-	-	33	6,709	17,891	-	-	14,760	4.3	24,600	7.2	27,306	8.0	1,739	2,484	3,477	9.9	16.6
	18*	18*	-	-	36	12,300	12,300	-	-	14,760	4.3	24,600	7.2	27,306	8.0	1,739	2,484	3,477	9.9	16.6
Three Units	9	9	9	-	27	7,333	7,333	7,333	-	13,200	3.9	22,000	6.4	25,300	7.4	1,468	2,097	2,935	10.5	17.5
	9	9	12	-	30	7,380	7,380	9,840	-	14,760	4.3	24,600	7.2	28,290	8.3	1,640	2,343	3,280	10.5	17.5
	9	12	12	-	33	6,709	8,945	8,945	-	14,760	4.3	24,600	7.2	28,290	8.3	1,640	2,343	3,280	10.5	17.5
	9	9	18*	-	36	6,150	6,150	12,300	-	14,760	4.3	24,600	7.2	28,290	8.3	1,640	2,343	3,280	10.5	17.5
	12	12	12	-	36	8,200	8,200	8,200	-	14,760	4.3	24,600	7.2	28,290	8.3	1,640	2,343	3,280	10.5	17.5
Four Units	9	12	18*	-	39	5,677	7,569	11,354	-	14,760	4.3	24,600	7.2	28,290	8.3	1,640	2,343	3,280	10.5	17.5
	9	9	9	9	36	6,150	6,150	6,150	6,150	14,760	4.3	24,600	7.2	29,520	8.7	1,640	2,343	3,280	10.5	17.5
	9	9	9	12	39	5,677	5,677	5,677	7,569	14,760	4.3	24,600	7.2	29,520	8.7	1,640	2,343	3,280	10.5	17.5
Mixed Indoor Units																				
Two Units	7	12	-	-	19	6,626	11,359	-	-	10,791	3.2	17,984	5.3	19,963	5.9	1,189	1,699	2,379	10.6	17.3
	9	12	-	-	21	8,433	11,245	-	-	11,807	3.5	19,678	5.8	21,843	6.4	1,284	1,835	2,569	10.7	17.5
	7	15	-	-	22	6,531	13,994	-	-	12,315	3.6	20,525	6.0	22,783	6.7	1,332	1,903	2,664	10.8	17.6
	9	15	-	-	24	8,332	13,887	-	-	13,331	3.9	22,219	6.5	24,663	7.2	1,440	2,057	2,879	10.8	17.6
	12	12	-	-	24	11,109	11,109	-	-	13,331	3.9	22,219	6.5	24,663	7.2	1,440	2,057	2,879	10.8	17.6
	7	18	-	-	25	6,398	16,451	-	-	13,709	4.0	22,849	6.7	25,362	7.4	1,480	2,114	2,959	10.8	17.6
	9	18	-	-	27	8,036	16,073	-	-	14,466	4.2	24,109	7.1	26,761	7.8	1,561	2,230	3,122	10.8	17.7
	12	15	-	-	27	10,715	13,394	-	-	14,466	4.2	24,109	7.1	26,761	7.8	1,561	2,230	3,122	10.8	17.7
	12	18	-	-	30	10,600	15,900	-	-	15,900	4.7	26,500	7.8	29,415	8.6	1,712	2,446	3,424	10.8	17.7
	15	15	-	-	30	13,225	13,225	-	-	15,900	4.7	26,500	7.8	29,415	8.6	1,712	2,446	3,424	10.8	17.7
	7	24	-	-	31	5,973	20,477	-	-	15,900	4.7	26,500	7.8	29,415	8.6	1,712	2,446	3,424	10.8	17.7
	9	24*	-	-	33	7,227	19,273	-	-	15,900	4.7	26,500	7.8	29,415	8.6	1,712	2,446	3,424	10.8	17.7
	15	18	-	-	33	12,023	14,427	-	-	15,900	4.7	26,500	7.8	29,415	8.6	1,712	2,446	3,424	10.8	17.7
	18*	18*	-	-	36	13,250	13,250	-	-	15,900	4.7	26,500	7.8	29,415	8.6	1,712	2,446	3,424	10.8	17.7
	12	24*	-	-	36	8,817	17,633	-	-	15,900	4.7	26,500	7.8	29,415	8.6	1,712	2,446	3,424	10.8	17.7

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



MULTI F WITH LGRED LMU300HHV

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Tables

Table 11: LMU300HHV with Mixed Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity				Input (W)			EER	SEER		
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.			Rated	Max.
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
<i>Mixed Indoor Units</i>																				
Three Units	7	7	9	-	23	6,266	6,266	8,057	-	12,353	3.6	20,589	6.0	23,677	6.9	1,253	1,790	2,506	11.5	18.7
	7	9	9	-	25	6,238	8,020	8,020	-	13,367	3.9	22,278	6.5	25,619	7.5	1,357	1,938	2,713	11.5	18.7
	7	7	12	-	26	6,225	6,225	10,672	-	13,873	4.1	23,122	6.8	26,591	7.8	1,408	2,012	2,817	11.5	18.7
	9	9	9	-	27	7,989	7,989	7,989	-	14,380	4.2	23,967	7.0	27,562	8.1	1,460	2,086	2,920	11.5	18.7
	7	9	12	-	28	6,203	7,975	10,633	-	14,887	4.4	24,811	7.3	28,533	8.4	1,512	2,160	3,024	11.5	18.7
	9	9	12	-	30	7,950	7,950	10,600	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	7	9	15	-	31	5,984	7,694	12,823	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	7	12	12	-	31	5,984	10,258	10,258	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	7	7	18	-	32	5,797	5,797	14,906	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	9	9	15	-	33	7,227	7,227	12,045	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	9	12	12	-	33	7,227	9,636	9,636	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	7	9	18	-	34	5,456	7,015	14,029	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	7	12	15	-	34	5,456	9,353	11,691	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	9	9	18*	-	36	6,625	6,625	13,250	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	9	12	15	-	36	6,625	8,833	11,042	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	12	12	12	-	36	8,833	8,833	8,833	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	7	12	18*	-	37	5,014	8,595	12,892	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	9	12	18*	-	39	6,115	8,154	12,231	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	9	15	15	-	39	6,115	10,192	10,192	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
	12	12	15	-	39	8,154	8,154	10,192	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8
7	15	18*	-	40	4,638	9,938	11,925	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8	
7	9	24*	-	40	4,638	5,962	15,900	-	15,900	4.7	26,500	7.8	30,475	8.9	1,613	2,304	3,226	11.5	18.8	
Four Units	7	7	7	9	30	6,183	6,183	6,183	7,950	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	7	9	9	32	5,797	5,797	7,453	7,453	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	7	7	12	33	5,621	5,621	5,621	9,636	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	9	9	9	34	5,456	7,015	7,015	7,015	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	7	9	12	35	5,300	5,300	6,814	9,086	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	9	9	9	9	36	6,625	6,625	6,625	6,625	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	9	9	12	37	5,014	6,446	6,446	8,595	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	7	9	15	38	4,882	4,882	6,276	10,461	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	7	12	12	38	4,882	4,882	8,368	8,368	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	7	7	18*	39	4,756	4,756	4,756	12,231	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	9	9	9	12	39	6,115	6,115	6,115	8,154	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	9	9	15	40	4,638	5,963	5,963	9,938	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8
	7	9	12	12	40	4,638	5,963	7,950	7,950	15,900	4.7	26,500	7.8	31,800	9.3	1,613	2,304	3,226	11.5	18.8

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
 LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
 LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

Table 12: LMU300HHV with Non-Ducted Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			COP	HSPF
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
<i>Non-Ducted Indoor Units</i>																				
Two Units	7	7	-	-	14	8,540	8,540	-	-	10,248	3.0	17,080	5.0	18,788	5.5	1,299	1,856	2,599	2.7	8.2
	7	9	-	-	16	8,540	10,980	-	-	11,712	3.4	19,520	5.7	21,472	6.3	1,353	1,933	2,706	3.0	9.0
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.9	22,000	6.4	24,200	7.1	1,433	2,047	2,866	3.1	9.6
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.9	22,000	6.4	24,200	7.1	1,433	2,047	2,866	3.1	9.6
	9	12	-	-	21	9,996	13,328	-	-	13,994	4.1	23,324	6.8	25,656	7.5	1,487	2,124	2,973	3.2	9.8
	7	15	-	-	22	7,705	16,511	-	-	14,530	4.3	24,216	7.1	26,638	7.8	1,513	2,162	3,027	3.3	10.0
	9	15	-	-	24	9,750	16,250	-	-	15,600	4.6	26,000	7.6	28,600	8.4	1,594	2,277	3,188	3.3	10.2
	12	12	-	-	24	13,000	13,000	-	-	15,600	4.6	26,000	7.6	28,600	8.4	1,594	2,277	3,188	3.3	10.2
	7	18	-	-	25	7,280	18,720	-	-	15,600	4.6	26,000	7.6	28,600	8.4	1,594	2,277	3,187	3.3	10.2
	9	18	-	-	27	8,813	17,627	-	-	15,864	4.6	26,440	7.7	29,084	8.5	1,647	2,353	3,294	3.3	10.1
	12	15	-	-	27	11,751	14,689	-	-	15,864	4.6	26,440	7.7	29,084	8.5	1,647	2,353	3,294	3.3	10.1
	12	18	-	-	30	11,440	17,160	-	-	17,160	5.0	28,600	8.4	31,460	9.2	1,727	2,468	3,455	3.4	10.4
	15	15	-	-	30	14,300	14,300	-	-	17,160	5.0	28,600	8.4	31,460	9.2	1,727	2,468	3,455	3.4	10.4
	7	24	-	-	31	6,458	22,142	-	-	17,160	5.0	28,600	8.4	31,460	9.2	1,728	2,468	3,455	3.4	10.4
	9	24	-	-	33	7,800	20,800	-	-	17,160	5.0	28,600	8.4	31,460	9.2	1,728	2,468	3,455	3.4	10.4
	15	18	-	-	33	13,000	15,600	-	-	17,160	5.0	28,600	8.4	31,460	9.2	1,728	2,468	3,455	3.4	10.4
	18	18	-	-	36	14,300	14,300	-	-	17,160	5.0	28,600	8.4	31,460	9.2	1,728	2,468	3,455	3.4	10.4
12	24	-	-	36	9,533	19,067	-	-	17,160	5.0	28,600	8.4	31,460	9.2	1,728	2,468	3,455	3.4	10.4	
15	24	-	-	39	11,000	17,600	-	-	17,160	5.0	28,600	8.4	31,460	9.2	1,728	2,468	3,455	3.4	10.4	
Three Units	7	7	7	-	21	7,280	7,280	7,280	-	13,104	3.8	21,840	6.4	25,116	7.4	1,385	1,979	2,770	3.2	9.9
	7	7	9	-	23	7,280	7,280	9,360	-	14,352	4.2	23,920	7.0	27,508	8.1	1,439	2,056	2,879	3.4	10.4
	7	9	9	-	25	7,280	9,360	9,360	-	15,600	4.6	26,000	7.6	29,900	8.8	1,521	2,173	3,042	3.5	10.7
	7	7	12	-	26	7,000	7,000	12,000	-	15,600	4.6	26,000	7.6	29,900	8.8	1,521	2,173	3,042	3.5	10.7
	9	9	9	-	27	8,782	8,782	8,782	-	15,808	4.6	26,347	7.7	30,299	8.9	1,548	2,212	3,096	3.5	10.7
	7	9	12	-	28	6,774	8,710	11,613	-	16,259	4.8	27,098	7.9	31,162	9.1	1,575	2,250	3,150	3.5	10.8
	7	7	15	-	29	6,722	6,722	14,405	-	16,709	4.9	27,849	8.2	32,026	9.4	1,602	2,289	3,205	3.6	10.9
	9	9	12	-	30	8,580	8,580	11,440	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	7	9	15	-	31	6,458	8,303	13,839	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	7	12	12	-	31	6,458	11,071	11,071	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	7	7	18	-	32	6,256	6,256	16,088	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	9	9	15	-	33	7,800	7,800	13,000	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	9	12	12	-	33	7,800	10,400	10,400	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	7	9	18	-	34	5,888	7,571	15,141	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	7	12	15	-	34	5,888	10,094	12,618	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	9	9	18	-	36	7,150	7,150	14,300	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	9	12	15	-	36	7,150	9,533	11,917	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	12	12	12	-	36	9,533	9,533	9,533	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	7	12	18	-	37	5,411	9,276	13,914	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
	7	15	15	-	37	5,411	11,595	11,595	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0
7	7	24	-	38	5,268	5,268	18,063	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0	
9	12	18	-	39	6,600	8,800	13,200	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0	
9	15	15	-	39	6,600	11,000	11,000	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0	
12	12	15	-	39	8,800	8,800	11,000	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0	
7	9	24	-	40	5,005	6,435	17,160	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0	
7	15	18	-	40	5,005	10,725	12,870	-	17,160	5.0	28,600	8.4	32,890	9.6	1,630	2,328	3,259	3.6	11.0	

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
 LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
 LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.

MULTI F WITH LGRED LMU300HHV

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Heating Combination Tables

Table 13: LMU300HHV with Non-Ducted, Ducted, and Mixed Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			COP	HSPF
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Four Units	7	7	7	7	28	6,774	6,774	6,774	6,774	16,259	4.8	27,098	7.9	32,517	9.5	1,573	2,247	3,146	3.5	10.8
	7	7	7	9	30	6,673	6,673	6,673	8,580	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	7	9	9	32	6,256	6,256	8,044	8,044	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	7	7	12	33	6,067	6,067	6,067	10,400	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	9	9	9	34	5,888	7,571	7,571	7,571	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	7	9	12	35	5,720	5,720	7,354	9,806	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	7	7	15	36	5,561	5,561	5,561	11,917	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	9	9	9	9	36	7,150	7,150	7,150	7,150	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	9	9	12	37	5,411	6,957	6,957	9,276	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	7	9	15	38	5,268	5,268	6,774	11,289	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	7	12	12	38	5,268	5,268	9,032	9,032	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	7	7	18	39	5,133	5,133	5,133	13,200	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	9	9	9	12	39	6,600	6,600	6,600	8,800	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
	7	9	9	15	40	5,005	6,435	6,435	10,725	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0
7	9	12	12	40	5,005	6,435	8,580	8,580	17,160	5.0	28,600	8.4	34,320	10.1	1,630	2,328	3,259	3.6	11.0	
Ducted Indoor Units																				
Two Units	9	9	-	-	18	11,000	11,000	-	-	13,200	3.9	22,000	6.4	24,200	7.1	1,714	2,448	3,427	2.6	8.1
	9	12	-	-	21	9,429	12,571	-	-	13,200	3.9	22,000	6.4	24,200	7.1	1,714	2,448	3,427	2.6	8.1
	12	12	-	-	24	11,640	11,640	-	-	13,968	4.1	24,000	6.8	25,608	7.5	1,751	2,501	3,501	2.8	8.4
	9	18	-	-	27	8,380	16,760	-	-	15,084	4.4	25,140	7.4	27,654	8.1	1,805	2,578	3,609	2.9	8.8
	12	18	-	-	30	10,800	16,200	-	-	16,200	4.7	27,000	7.9	29,700	8.7	1,859	2,655	3,717	3.0	9.1
	9	24	-	-	33	7,364	19,636	-	-	16,200	4.7	27,000	7.9	29,700	8.7	1,859	2,655	3,717	3.1	9.1
	18*	18*	-	-	36	13,500	13,500	-	-	16,200	4.7	27,000	7.9	29,700	8.7	1,859	2,655	3,717	3.1	9.1
Three Units	9	9	9	-	27	8,240	8,240	8,240	-	14,832	4.3	24,720	7.2	28,428	8.3	1,702	2,431	3,403	3.0	9.1
	9	9	12	-	30	8,100	8,100	10,800	-	16,200	4.7	27,000	7.9	31,050	9.1	1,787	2,553	3,574	3.1	9.5
	9	12	12	-	33	7,364	9,818	9,818	-	16,200	4.7	27,000	7.9	31,050	9.1	1,787	2,553	3,574	3.1	9.5
	9	9	18*	-	36	6,750	6,750	13,500	-	16,200	4.7	27,000	7.9	31,050	9.1	1,787	2,553	3,574	3.1	9.5
	12	12	12	-	36	9,000	9,000	9,000	-	16,200	4.7	27,000	7.9	31,050	9.1	1,787	2,553	3,574	3.1	9.5
	9	12	18*	-	39	6,231	8,308	12,462	-	16,200	4.7	27,000	7.9	31,050	9.1	1,787	2,553	3,574	3.1	9.5
Four Units	9	9	9	9	36	6,750	6,750	6,750	6,750	16,200	4.7	27,000	7.9	32,400	9.5	1,787	2,553	3,574	3.1	9.5
	9	9	9	12	39	6,231	6,231	6,231	8,308	16,200	4.7	27,000	7.9	32,400	9.5	1,787	2,553	3,574	3.1	9.5
Mixed Indoor Units																				
Two Units	7	9	-	-	16	8,540	10,980	-	-	11,712	3.4	19,520	5.7	21,472	6.3	1,480	2,114	2,960	2.7	8.3
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.9	22,000	6.4	24,200	7.1	1,573	2,248	3,147	2.9	8.8
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.9	22,000	6.4	24,200	7.1	1,573	2,248	3,147	2.9	8.8
	9	12	-	-	21	9,712	12,950	-	-	13,597	4.0	22,662	6.6	24,928	7.3	1,600	2,286	3,200	2.9	9.0
	9	15	-	-	24	9,240	15,400	-	-	14,784	4.3	24,640	7.2	27,104	7.9	1,672	2,389	3,345	3.0	9.3
	12	12	-	-	24	12,320	12,320	-	-	14,784	4.3	24,640	7.2	27,104	7.9	1,672	2,389	3,345	3.0	9.3
	7	18	-	-	25	6,986	17,964	-	-	14,970	4.4	24,950	7.3	27,445	8.0	1,681	2,402	3,362	3.0	9.4
	9	18	-	-	27	8,597	17,193	-	-	15,474	4.5	25,790	7.6	28,369	8.3	1,726	2,466	3,452	3.1	9.4
	12	15	-	-	27	11,462	14,328	-	-	15,474	4.5	25,790	7.6	28,369	8.3	1,726	2,466	3,452	3.1	9.4
	12	18	-	-	30	11,120	16,680	-	-	16,680	4.9	27,800	8.1	30,580	9.0	1,793	2,561	3,586	3.2	9.8
	7	24	-	-	31	6,277	21,523	-	-	16,680	4.9	27,800	8.1	30,580	9.0	1,793	2,561	3,586	3.2	9.8
	9	24*	-	-	33	7,582	20,218	-	-	16,680	4.9	27,800	8.1	30,580	9.0	1,793	2,561	3,586	3.2	9.8
	15	18	-	-	33	12,636	15,164	-	-	16,680	4.9	27,800	8.1	30,580	9.0	1,793	2,561	3,586	3.2	9.8
	18*	18*	-	-	36	13,900	13,900	-	-	16,680	4.9	27,800	8.1	30,580	9.0	1,793	2,561	3,586	3.2	9.8
	12	24*	-	-	36	9,267	18,533	-	-	16,680	4.9	27,800	8.1	30,580	9.0	1,793	2,561	3,586	3.2	9.8

*Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
 LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
 LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

*Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

*Wiring cable size must comply with the applicable local and national codes.

*The specification may be subject to change without prior notice for purpose of improvement.

*At least two indoor units must be connected.



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Table 14: LMU300HHV with Mixed Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			COP	HSPF
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
<i>Mixed Indoor Units</i>																				
Three Units	7	7	9	-	23	6,939	6,939	8,922	-	13,680	4.0	22,800	6.7	26,220	7.7	1,514	2,162	3,027	3.1	9.5
	7	9	9	-	25	6,888	8,856	8,856	-	14,760	4.3	24,600	7.2	28,290	8.3	1,583	2,261	3,166	3.2	9.8
	7	7	12	-	26	6,725	6,725	11,529	-	14,988	4.4	24,980	7.3	28,727	8.4	1,597	2,281	3,194	3.2	9.9
	9	9	9	-	27	8,511	8,511	8,511	-	15,320	4.5	25,533	7.5	29,363	8.6	1,625	2,321	3,250	3.2	9.9
	7	9	12	-	28	6,572	8,450	11,267	-	15,773	4.6	26,289	7.7	30,232	8.9	1,653	2,361	3,305	3.3	10.0
	9	9	12	-	30	8,340	8,340	11,120	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	7	9	15	-	31	6,277	8,071	13,452	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	7	12	12	-	31	6,277	10,761	10,761	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	7	7	18	-	32	6,081	6,081	15,638	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	9	9	15	-	33	7,582	7,582	12,636	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	9	12	12	-	33	7,582	10,109	10,109	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	7	9	18	-	34	5,724	7,359	14,718	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	7	12	15	-	34	5,724	9,812	12,265	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	9	9	18*	-	36	6,950	6,950	13,900	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	9	12	15	-	36	6,950	9,267	11,583	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	12	12	12	-	36	9,267	9,267	9,267	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	7	12	18*	-	37	5,259	9,016	13,524	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	9	12	18*	-	39	6,415	8,554	12,831	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	9	15	15	-	39	6,415	10,692	10,692	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
	12	12	15	-	39	8,554	8,554	10,692	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3
7	15	18*	-	40	4,865	10,425	12,510	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3	
7	9	24*	-	40	4,865	6,255	16,680	-	16,680	4.9	27,800	8.1	31,970	9.4	1,703	2,433	3,406	3.3	10.3	
Four Units	7	7	7	9	30	6,487	6,487	6,487	8,340	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	7	7	9	9	32	6,081	6,081	7,819	7,819	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	7	7	7	12	33	5,897	5,897	5,897	10,109	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	7	9	9	9	34	5,724	7,359	7,359	7,359	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	7	7	9	12	35	5,560	5,560	7,149	9,531	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	9	9	9	9	36	6,950	6,950	6,950	6,950	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	7	9	9	12	37	5,259	6,762	6,762	9,016	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	7	7	9	15	38	5,121	5,121	6,584	10,974	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	7	7	12	12	38	5,121	5,121	8,779	8,779	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	7	7	7	18*	39	4,990	4,990	4,990	12,831	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	9	9	9	12	39	6,415	6,415	6,415	8,554	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.3
	7	9	9	15	40	4,865	6,255	6,255	10,425	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.5
	7	9	12	12	40	4,865	6,255	8,340	8,340	16,680	4.9	27,800	8.1	33,360	9.8	1,703	2,433	3,406	3.3	10.5

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU180HHV: 16.4 ft. x 2 = 32.8 ft.
 LMU240HHV: 16.4 ft. x 3 = 49.2 ft.
 LMU300HHV: 16.4 ft. x 4 = 65.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.

MULTI F MAX WITH LGRED LMU361HHV

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Rated Cooling Combination Tables

The individual indoor unit capacity can be calculated based on the outdoor unit Rated capacity as follows.¹

$$\text{Individual Indoor Unit Combination Capacity (Qidu [Comb])} = \frac{\text{Outdoor Unit Rated Capacity (Qodu [Rated])} \times \text{Individual Indoor Unit Rated Capacity (Qidu [Rated])}{\text{Total Connected Indoor Unit Rated Capacity } (\sum \text{Qidu [Rated])}$$

¹To calculate the individual IDU capacity based on ODU Corrected capacity, replace (Qodu [Rated]) with (Qodu [Corrected]) where (Qodu [Corrected]) is obtained from the capacity tables referencing design conditions.

Table 15: LMU361HHV with Non-Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER	SEER
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	10,800	3.17	18,000	5.28	20,700	6.07	643	1,125	1,617	2.9	5.1	7.3	16.0	22.5
19	11,400	3.34	19,000	5.57	21,755	6.38	682	1,194	1,705	3.1	5.4	7.7	15.9	22.5
20	12,000	3.52	20,000	5.86	22,810	6.69	722	1,263	1,794	3.3	5.7	8.1	15.8	22.4
21	12,600	3.69	21,000	6.15	23,864	6.99	762	1,333	1,883	3.5	6.0	8.5	15.8	22.4
22	13,200	3.87	22,000	6.45	24,919	7.30	802	1,404	1,973	3.6	6.4	8.9	15.7	22.4
23	13,800	4.04	23,000	6.74	25,974	7.61	843	1,476	2,063	3.8	6.7	9.3	15.6	22.4
24	14,400	4.22	24,000	7.03	27,029	7.92	885	1,548	2,154	4.0	7.0	9.8	15.5	22.3
25	15,000	4.40	25,000	7.33	28,083	8.23	927	1,622	2,246	4.2	7.3	10.2	15.4	22.3
26	15,600	4.57	26,000	7.62	29,138	8.54	969	1,696	2,338	4.4	7.7	10.6	15.3	22.3
27	16,200	4.75	27,000	7.91	30,193	8.85	1,012	1,770	2,431	4.6	8.0	11.0	15.3	22.3
28	16,800	4.92	28,000	8.21	31,248	9.16	1,055	1,846	2,524	4.8	8.4	11.4	15.2	22.2
29	17,400	5.10	29,000	8.50	32,302	9.47	1,099	1,923	2,619	5.0	8.7	11.9	15.1	22.2
30	18,000	5.28	30,000	8.79	33,357	9.78	1,143	2,000	2,713	5.2	9.1	12.3	15.0	22.2
31	18,600	5.45	31,000	9.09	34,412	10.09	1,188	2,078	2,809	5.4	9.4	12.7	14.9	22.1
32	19,200	5.63	32,000	9.38	35,467	10.39	1,233	2,157	2,905	5.6	9.8	13.2	14.8	22.1
33	19,800	5.80	33,000	9.67	36,521	10.70	1,278	2,237	3,002	5.8	10.1	13.6	14.8	22.1
34	20,400	5.98	34,000	9.96	37,576	11.01	1,325	2,318	3,099	6.0	10.5	14.0	14.7	22.1
35	21,000	6.15	35,000	10.26	38,631	11.32	1,371	2,400	3,197	6.2	10.9	14.5	14.6	22.0
36	21,600	6.33	36,000	10.55	39,686	11.63	1,419	2,483	3,298	6.4	11.2	14.9	14.5	22.0
37	21,600	6.33	36,000	10.55	40,740	11.94	1,419	2,483	3,405	6.4	11.2	15.4	14.5	22.0
38	21,600	6.33	36,000	10.55	41,795	12.25	1,419	2,483	3,515	6.4	11.2	15.9	14.5	22.0
39	21,600	6.33	36,000	10.55	42,850	12.56	1,419	2,483	3,627	6.4	11.2	16.4	14.5	22.0
40	21,600	6.33	36,000	10.55	43,905	12.87	1,419	2,483	3,740	6.4	11.2	16.9	14.5	22.0
41	21,600	6.33	36,000	10.55	44,960	13.18	1,419	2,483	3,854	6.4	11.2	17.5	14.5	22.0
42	21,600	6.33	36,000	10.55	46,014	13.49	1,419	2,483	3,969	6.4	11.2	18.0	14.5	22.0
43	21,600	6.33	36,000	10.55	47,000	13.77	1,419	2,483	4,074	6.4	11.2	18.5	14.5	22.0
44	21,600	6.33	36,000	10.55	47,000	13.77	1,419	2,483	4,074	6.4	11.2	18.5	14.5	22.0
45	21,600	6.33	36,000	10.55	47,000	13.77	1,419	2,483	4,074	6.4	11.2	18.5	14.5	22.0
46	21,600	6.33	36,000	10.55	47,000	13.77	1,419	2,483	4,074	6.4	11.2	18.5	14.5	22.0
47	21,600	6.33	36,000	10.55	47,000	13.77	1,419	2,483	4,074	6.4	11.2	18.5	14.5	22.0
48	21,600	6.33	36,000	10.55	47,000	13.77	1,419	2,483	4,074	6.4	11.2	18.5	14.5	22.0

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



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Table 16: LMU361HHV with Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER	SEER
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	10,800	3.17	18,000	5.28	20,700	6.07	695	1,216	1,748	3.1	5.5	7.9	14.8	21.0
19	11,400	3.34	19,000	5.57	21,755	6.38	737	1,290	1,841	3.3	5.8	8.3	14.7	20.9
20	12,000	3.52	20,000	5.86	22,810	6.69	780	1,365	1,933	3.5	6.2	8.8	14.7	20.8
21	12,600	3.69	21,000	6.15	23,864	6.99	823	1,440	2,026	3.7	6.5	9.2	14.6	20.7
22	13,200	3.87	22,000	6.45	24,919	7.30	866	1,516	2,119	3.9	6.9	9.6	14.5	20.6
23	13,800	4.04	23,000	6.74	25,974	7.61	910	1,593	2,212	4.1	7.2	10.0	14.4	20.4
24	14,400	4.22	24,000	7.03	27,029	7.92	955	1,671	2,306	4.3	7.6	10.4	14.4	20.3
25	15,000	4.40	25,000	7.33	28,083	8.23	999	1,749	2,400	4.5	7.9	10.9	14.3	20.2
26	15,600	4.57	26,000	7.62	29,138	8.54	1,045	1,828	2,495	4.7	8.3	11.3	14.2	20.1
27	16,200	4.75	27,000	7.91	30,193	8.85	1,090	1,908	2,589	4.9	8.6	11.7	14.2	20.0
28	16,800	4.92	28,000	8.21	31,248	9.16	1,137	1,989	2,685	5.1	9.0	12.2	14.1	19.9
29	17,400	5.10	29,000	8.50	32,302	9.47	1,183	2,071	2,780	5.4	9.4	12.6	14.0	19.8
30	18,000	5.28	30,000	8.79	33,357	9.78	1,230	2,153	2,876	5.6	9.8	13.0	13.9	19.7
31	18,600	5.45	31,000	9.09	34,412	10.09	1,278	2,236	2,972	5.8	10.1	13.5	13.9	19.6
32	19,200	5.63	32,000	9.38	35,467	10.39	1,326	2,321	3,068	6.0	10.5	13.9	13.8	19.4
33	19,800	5.80	33,000	9.67	36,521	10.70	1,375	2,406	3,165	6.2	10.9	14.3	13.7	19.3
34	20,400	5.98	34,000	9.96	37,576	11.01	1,424	2,492	3,262	6.4	11.3	14.8	13.6	19.2
35	21,000	6.15	35,000	10.26	38,631	11.32	1,474	2,579	3,359	6.7	11.7	15.2	13.6	19.1
36	21,600	6.33	36,000	10.55	39,686	11.63	1,524	2,667	3,458	6.9	12.1	15.7	13.5	19.0
37	21,600	6.33	36,000	10.55	40,740	11.94	1,524	2,667	3,556	6.9	12.1	16.1	13.5	19.0
38	21,600	6.33	36,000	10.55	41,795	12.25	1,524	2,667	3,654	6.9	12.1	16.6	13.5	19.0
39	21,600	6.33	36,000	10.55	42,850	12.56	1,524	2,667	3,754	6.9	12.1	17.0	13.5	19.0
40	21,600	6.33	36,000	10.55	43,905	12.87	1,524	2,667	3,854	6.9	12.1	17.5	13.5	19.0
41	21,600	6.33	36,000	10.55	44,960	13.18	1,524	2,667	3,954	6.9	12.1	17.9	13.5	19.0
42	21,600	6.33	36,000	10.55	46,014	13.49	1,524	2,667	4,053	6.9	12.1	18.4	13.5	19.0
43	21,600	6.33	36,000	10.55	47,000	13.77	1,524	2,667	4,149	6.9	12.1	18.8	13.5	19.0
44	21,600	6.33	36,000	10.55	47,000	13.77	1,524	2,667	4,149	6.9	12.1	18.8	13.5	19.0
45	21,600	6.33	36,000	10.55	47,000	13.77	1,524	2,667	4,149	6.9	12.1	18.8	13.5	19.0
46	21,600	6.33	36,000	10.55	47,000	13.77	1,524	2,667	4,149	6.9	12.1	18.8	13.5	19.0
47	21,600	6.33	36,000	10.55	47,000	13.77	1,524	2,667	4,149	6.9	12.1	18.8	13.5	19.0
48	21,600	6.33	36,000	10.55	47,000	13.77	1,524	2,667	4,149	6.9	12.1	18.8	13.5	19.0

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.

MULTI F MAX WITH LGRED LMU361HHV

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MULTI F MAX

Rated Cooling Combination Tables

Table 17: LMU361HHV with Mixed Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (A)			EER	SEER
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	10,800	3.17	18,000	5.28	20,700	6.07	669	1,171	1,683	3.0	5.3	7.6	15.4	21.8
19	11,400	3.34	19,000	5.57	21,755	6.38	710	1,242	1,773	3.2	5.6	8.0	15.3	21.7
20	12,000	3.52	20,000	5.86	22,810	6.69	751	1,314	1,863	3.4	6.0	8.4	15.2	21.6
21	12,600	3.69	21,000	6.15	23,864	6.99	792	1,387	1,954	3.6	6.3	8.9	15.1	21.5
22	13,200	3.87	22,000	6.45	24,919	7.30	834	1,460	2,046	3.8	6.6	9.3	15.1	21.5
23	13,800	4.04	23,000	6.74	25,974	7.61	877	1,534	2,138	4.0	6.9	9.7	15.0	21.4
24	14,400	4.22	24,000	7.03	27,029	7.92	920	1,609	2,230	4.2	7.3	10.1	14.9	21.3
25	15,000	4.40	25,000	7.33	28,083	8.23	963	1,685	2,323	4.4	7.6	10.5	14.8	21.3
26	15,600	4.57	26,000	7.62	29,138	8.54	1,007	1,762	2,416	4.6	8.0	10.9	14.8	21.2
27	16,200	4.75	27,000	7.91	30,193	8.85	1,051	1,839	2,510	4.8	8.3	11.4	14.7	21.1
28	16,800	4.92	28,000	8.21	31,248	9.16	1,096	1,918	2,604	5.0	8.7	11.8	14.6	21.1
29	17,400	5.10	29,000	8.50	32,302	9.47	1,141	1,997	2,699	5.2	9.0	12.2	14.5	21.0
30	18,000	5.28	30,000	8.79	33,357	9.78	1,187	2,077	2,795	5.4	9.4	12.7	14.4	20.9
31	18,600	5.45	31,000	9.09	34,412	10.09	1,233	2,157	2,890	5.6	9.8	13.1	14.4	20.8
32	19,200	5.63	32,000	9.38	35,467	10.39	1,279	2,239	2,987	5.8	10.1	13.5	14.3	20.8
33	19,800	5.80	33,000	9.67	36,521	10.70	1,327	2,322	3,083	6.0	10.5	14.0	14.2	20.7
34	20,400	5.98	34,000	9.96	37,576	11.01	1,374	2,405	3,181	6.2	10.9	14.4	14.1	20.6
35	21,000	6.15	35,000	10.26	38,631	11.32	1,423	2,489	3,278	6.4	11.3	14.8	14.1	20.6
36	21,600	6.33	36,000	10.55	39,686	11.63	1,471	2,575	3,378	6.7	11.7	15.3	14.0	20.5
37	21,600	6.33	36,000	10.55	40,740	11.94	1,471	2,575	3,480	6.7	11.7	15.8	14.0	20.5
38	21,600	6.33	36,000	10.55	41,795	12.25	1,471	2,575	3,585	6.7	11.7	16.2	14.0	20.5
39	21,600	6.33	36,000	10.55	42,850	12.56	1,471	2,575	3,690	6.7	11.7	16.7	14.0	20.5
40	21,600	6.33	36,000	10.55	43,905	12.87	1,471	2,575	3,797	6.7	11.7	17.2	14.0	20.5
41	21,600	6.33	36,000	10.55	44,960	13.18	1,471	2,575	3,904	6.7	11.7	17.7	14.0	20.5
42	21,600	6.33	36,000	10.55	46,014	13.49	1,471	2,575	4,011	6.7	11.7	18.2	14.0	20.5
43	21,600	6.33	36,000	10.55	47,000	13.77	1,471	2,575	4,112	6.7	11.7	18.6	14.0	20.5
44	21,600	6.33	36,000	10.55	47,000	13.77	1,471	2,575	4,112	6.7	11.7	18.6	14.0	20.5
45	21,600	6.33	36,000	10.55	47,000	13.77	1,471	2,575	4,112	6.7	11.7	18.6	14.0	20.5
46	21,600	6.33	36,000	10.55	47,000	13.77	1,471	2,575	4,112	6.7	11.7	18.6	14.0	20.5
47	21,600	6.33	36,000	10.55	47,000	13.77	1,471	2,575	4,112	6.7	11.7	18.6	14.0	20.5
48	21,600	6.33	36,000	10.55	47,000	13.77	1,471	2,575	4,112	6.7	11.7	18.6	14.0	20.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

MULTI F WITH **LGRED**° **MULTI F MAX WITH LGRED LMU361HHV**

Rated Heating Combination Tables

Table 18: LMU361HHV with Non-Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	12,420	3.64	20,700	6.07	23,800	6.98	714	1,261	1,813	3.2	5.7	8.2	4.8	12.0
19	13,230	3.88	22,050	6.46	25,256	7.40	768	1,356	1,935	3.5	6.1	8.8	4.8	12.0
20	14,040	4.11	23,400	6.86	26,711	7.83	822	1,453	2,060	3.7	6.6	9.3	4.7	11.9
21	14,850	4.35	24,750	7.25	28,167	8.26	878	1,552	2,187	4.0	7.0	9.9	4.7	11.9
22	15,660	4.59	26,100	7.65	29,622	8.68	935	1,652	2,315	4.2	7.5	10.5	4.6	11.9
23	16,470	4.83	27,450	8.05	31,078	9.11	993	1,755	2,445	4.5	7.9	11.1	4.6	11.9
24	17,280	5.06	28,800	8.44	32,533	9.53	1,052	1,859	2,577	4.8	8.4	11.7	4.5	11.8
25	18,090	5.30	30,150	8.84	33,989	9.96	1,113	1,966	2,711	5.0	8.9	12.3	4.5	11.8
26	18,900	5.54	31,500	9.23	35,444	10.39	1,174	2,075	2,846	5.3	9.4	12.9	4.5	11.8
27	19,710	5.78	32,850	9.63	36,900	10.81	1,237	2,186	2,983	5.6	9.9	13.5	4.4	11.8
28	20,520	6.01	34,200	10.02	38,356	11.24	1,301	2,299	3,123	5.9	10.4	14.1	4.4	11.7
29	21,330	6.25	35,550	10.42	39,811	11.67	1,367	2,415	3,264	6.2	10.9	14.8	4.3	11.7
30	22,140	6.49	36,900	10.81	41,267	12.09	1,434	2,533	3,407	6.5	11.5	15.4	4.3	11.7
31	22,950	6.73	38,250	11.21	42,722	12.52	1,502	2,653	3,552	6.8	12.0	16.1	4.2	11.6
32	23,760	6.96	39,600	11.61	44,178	12.95	1,572	2,777	3,699	7.1	12.6	16.8	4.2	11.6
33	24,570	7.20	40,950	12.00	45,633	13.37	1,643	2,902	3,849	7.4	13.1	17.4	4.1	11.6
34	25,380	7.44	42,300	12.40	47,089	13.80	1,716	3,031	4,000	7.8	13.7	18.1	4.1	11.6
35	26,190	7.68	43,650	12.79	48,544	14.23	1,790	3,163	4,154	8.1	14.3	18.8	4.0	11.5
36	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
37	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
38	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
39	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
40	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
41	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
42	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
43	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
44	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
45	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
46	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
47	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
48	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



MULTI F MAX WITH LGRED LMU361HHV

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Heating Combination Tables

Table 19: LMU361HHV with Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (A)			COP	HSPF
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	12,420	3.64	20,700	6.07	23,800	6.98	793	1,401	1,896	3.6	6.3	8.6	4.3	11.5
19	13,230	3.88	22,050	6.46	25,256	7.40	853	1,507	2,021	3.9	6.8	9.2	4.3	11.4
20	14,040	4.11	23,400	6.86	26,711	7.83	914	1,615	2,148	4.1	7.3	9.7	4.2	11.4
21	14,850	4.35	24,750	7.25	28,167	8.26	977	1,726	2,276	4.4	7.8	10.3	4.2	11.3
22	15,660	4.59	26,100	7.65	29,622	8.68	1,041	1,838	2,406	4.7	8.3	10.9	4.2	11.3
23	16,470	4.83	27,450	8.05	31,078	9.11	1,106	1,953	2,536	5.0	8.8	11.5	4.1	11.2
24	17,280	5.06	28,800	8.44	32,533	9.53	1,172	2,071	2,668	5.3	9.4	12.1	4.1	11.2
25	18,090	5.30	30,150	8.84	33,989	9.96	1,240	2,190	2,802	5.6	9.9	12.7	4.0	11.1
26	18,900	5.54	31,500	9.23	35,444	10.39	1,309	2,313	2,936	5.9	10.5	13.3	4.0	11.1
27	19,710	5.78	32,850	9.63	36,900	10.81	1,380	2,437	3,072	6.2	11.0	13.9	4.0	11.0
28	20,520	6.01	34,200	10.02	38,356	11.24	1,452	2,565	3,210	6.6	11.6	14.5	3.9	10.9
29	21,330	6.25	35,550	10.42	39,811	11.67	1,526	2,695	3,349	6.9	12.2	15.2	3.9	10.9
30	22,140	6.49	36,900	10.81	41,267	12.09	1,601	2,829	3,489	7.3	12.8	15.8	3.8	10.8
31	22,950	6.73	38,250	11.21	42,722	12.52	1,678	2,965	3,630	7.6	13.4	16.4	3.8	10.8
32	23,760	6.96	39,600	11.61	44,178	12.95	1,757	3,104	3,774	8.0	14.1	17.1	3.7	10.7
33	24,570	7.20	40,950	12.00	45,633	13.37	1,838	3,247	3,918	8.3	14.7	17.7	3.7	10.7
34	25,380	7.44	42,300	12.40	47,089	13.80	1,920	3,392	4,064	8.7	15.4	18.4	3.7	10.6
35	26,190	7.68	43,650	12.79	48,544	14.23	2,005	3,542	4,212	9.1	16.0	19.1	3.6	10.6
36	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
37	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
38	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
39	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
40	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
41	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
42	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
43	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
44	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
45	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
46	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
47	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
48	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Table 20: LMU361HHV with Mixed Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	12,420	3.64	20,700	6.07	23,800	6.98	754	1,331	1,854	3.4	6.0	8.4	4.6	11.8
19	13,230	3.88	22,050	6.46	25,256	7.40	810	1,432	1,978	3.7	6.5	9.0	4.5	11.7
20	14,040	4.11	23,400	6.86	26,711	7.83	868	1,534	2,104	3.9	6.9	9.5	4.5	11.7
21	14,850	4.35	24,750	7.25	28,167	8.26	928	1,639	2,232	4.2	7.4	10.1	4.4	11.6
22	15,660	4.59	26,100	7.65	29,622	8.68	988	1,745	2,360	4.5	7.9	10.7	4.4	11.6
23	16,470	4.83	27,450	8.05	31,078	9.11	1,049	1,854	2,491	4.8	8.4	11.3	4.3	11.5
24	17,280	5.06	28,800	8.44	32,533	9.53	1,112	1,965	2,623	5.0	8.9	11.9	4.3	11.5
25	18,090	5.30	30,150	8.84	33,989	9.96	1,176	2,078	2,756	5.3	9.4	12.5	4.3	11.5
26	18,900	5.54	31,500	9.23	35,444	10.39	1,242	2,194	2,891	5.6	9.9	13.1	4.2	11.4
27	19,710	5.78	32,850	9.63	36,900	10.81	1,308	2,312	3,028	5.9	10.5	13.7	4.2	11.4
28	20,520	6.01	34,200	10.02	38,356	11.24	1,377	2,432	3,166	6.2	11.0	14.3	4.1	11.3
29	21,330	6.25	35,550	10.42	39,811	11.67	1,446	2,555	3,306	6.5	11.6	15.0	4.1	11.3
30	22,140	6.49	36,900	10.81	41,267	12.09	1,517	2,681	3,448	6.9	12.1	15.6	4.0	11.3
31	22,950	6.73	38,250	11.21	42,722	12.52	1,590	2,809	3,591	7.2	12.7	16.3	4.0	11.2
32	23,760	6.96	39,600	11.61	44,178	12.95	1,664	2,940	3,736	7.5	13.3	16.9	3.9	11.2
33	24,570	7.20	40,950	12.00	45,633	13.37	1,740	3,075	3,884	7.9	13.9	17.6	3.9	11.1
34	25,380	7.44	42,300	12.40	47,089	13.80	1,818	3,212	4,032	8.2	14.5	18.3	3.9	11.1
35	26,190	7.68	43,650	12.79	48,544	14.23	1,897	3,352	4,183	8.6	15.2	18.9	3.8	11.0
36	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
37	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
38	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
39	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
40	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
41	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
42	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
43	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
44	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
45	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
46	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
47	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
48	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.

MULTI F MAX WITH LGRED LMU421HHV

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Tables

The individual indoor unit capacity can be calculated based on the outdoor unit Rated capacity as follows.¹

$$\text{Individual Indoor Unit Combination Capacity (Qidu [Comb])} = \frac{\text{Outdoor Unit Rated Capacity (Qodu [Rated])} \times \text{Individual Indoor Unit Rated Capacity (Qidu [Rated])}{\text{Total Connected Indoor Unit Rated Capacity } (\sum \text{Qidu [Rated]})}$$

¹To calculate the individual IDU capacity based on ODU Corrected capacity, replace (Qodu [Rated]) with (Qodu [Corrected]) where (Qodu [Corrected]) is obtained from the capacity tables referencing design conditions.

Table 21: LMU421HHV with Non-Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER	SEER
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	10,800	3.17	18,000	5.28	20,700	6.07	643	1,125	1,617	2.9	5.1	7.3	16.0	22.5
19	11,400	3.34	19,000	5.57	21,755	6.38	682	1,194	1,705	3.1	5.4	7.7	15.9	22.5
20	12,000	3.52	20,000	5.86	22,810	6.69	722	1,263	1,794	3.3	5.7	8.1	15.8	22.4
21	12,600	3.69	21,000	6.15	23,864	6.99	762	1,333	1,883	3.5	6.0	8.5	15.8	22.4
22	13,200	3.87	22,000	6.45	24,919	7.30	802	1,404	1,973	3.6	6.4	8.9	15.7	22.4
23	13,800	4.04	23,000	6.74	25,974	7.61	843	1,476	2,063	3.8	6.7	9.3	15.6	22.4
24	14,400	4.22	24,000	7.03	27,029	7.92	885	1,548	2,154	4.0	7.0	9.8	15.5	22.3
25	15,000	4.40	25,000	7.33	28,083	8.23	927	1,622	2,246	4.2	7.3	10.2	15.4	22.3
26	15,600	4.57	26,000	7.62	29,138	8.54	969	1,696	2,338	4.4	7.7	10.6	15.3	22.3
27	16,200	4.75	27,000	7.91	30,193	8.85	1,012	1,770	2,431	4.6	8.0	11.0	15.3	22.3
28	16,800	4.92	28,000	8.21	31,248	9.16	1,055	1,846	2,524	4.8	8.4	11.4	15.2	22.2
29	17,400	5.10	29,000	8.50	32,302	9.47	1,099	1,923	2,619	5.0	8.7	11.9	15.1	22.2
30	18,000	5.28	30,000	8.79	33,357	9.78	1,143	2,000	2,713	5.2	9.1	12.3	15.0	22.2
31	18,600	5.45	31,000	9.09	34,412	10.09	1,188	2,078	2,809	5.4	9.4	12.7	14.9	22.1
32	19,200	5.63	32,000	9.38	35,467	10.39	1,233	2,157	2,905	5.6	9.8	13.2	14.8	22.1
33	19,800	5.80	33,000	9.67	36,521	10.70	1,278	2,237	3,002	5.8	10.1	13.6	14.8	22.1
34	20,400	5.98	34,000	9.96	37,576	11.01	1,325	2,318	3,099	6.0	10.5	14.0	14.7	22.1
35	21,000	6.15	35,000	10.26	38,631	11.32	1,371	2,400	3,197	6.2	10.9	14.5	14.6	22.0
36	21,600	6.33	36,000	10.55	39,686	11.63	1,419	2,483	3,298	6.4	11.2	14.9	14.5	22.0
37	22,200	6.51	37,000	10.84	40,740	11.94	1,470	2,572	3,405	6.7	11.7	15.4	14.4	21.9
38	22,800	6.68	38,000	11.14	41,795	12.25	1,522	2,664	3,515	6.9	12.1	15.9	14.3	21.8
39	23,400	6.86	39,000	11.43	42,850	12.56	1,575	2,756	3,627	7.1	12.5	16.4	14.2	21.8
40	24,000	7.03	40,000	11.72	43,905	12.87	1,629	2,850	3,740	7.4	12.9	16.9	14.0	21.7
41	24,600	7.21	41,000	12.02	44,960	13.18	1,683	2,946	3,854	7.6	13.3	17.5	13.9	21.6
42	25,200	7.39	42,000	12.31	46,014	13.49	1,739	3,043	3,969	7.9	13.8	18.0	13.8	21.5
43	25,200	7.39	42,000	12.31	47,069	13.80	1,739	3,043	4,080	7.9	13.8	18.5	13.8	21.5
44	25,200	7.39	42,000	12.31	48,124	14.10	1,739	3,043	4,191	7.9	13.8	19.0	13.8	21.5
45	25,200	7.39	42,000	12.31	49,179	14.41	1,739	3,043	4,303	7.9	13.8	19.5	13.8	21.5
46	25,200	7.39	42,000	12.31	50,233	14.72	1,739	3,043	4,415	7.9	13.8	20.0	13.8	21.5
47	25,200	7.39	42,000	12.31	51,288	15.03	1,739	3,043	4,529	7.9	13.8	20.5	13.8	21.5
48	25,200	7.39	42,000	12.31	52,343	15.34	1,739	3,043	4,646	7.9	13.8	21.0	13.8	21.5
49	25,200	7.39	42,000	12.31	53,000	15.53	1,739	3,043	4,706	7.9	13.8	21.3	13.8	21.5
50	25,200	7.39	42,000	12.31	53,000	15.53	1,739	3,043	4,706	7.9	13.8	21.3	13.8	21.5
51	25,200	7.39	42,000	12.31	53,000	15.53	1,739	3,043	4,706	7.9	13.8	21.3	13.8	21.5
52	25,200	7.39	42,000	12.31	53,000	15.53	1,739	3,043	4,706	7.9	13.8	21.3	13.8	21.5
53	25,200	7.39	42,000	12.31	53,000	15.53	1,739	3,043	4,706	7.9	13.8	21.3	13.8	21.5
54	25,200	7.39	42,000	12.31	53,000	15.53	1,739	3,043	4,706	7.9	13.8	21.3	13.8	21.5
55	25,200	7.39	42,000	12.31	53,000	15.53	1,739	3,043	4,706	7.9	13.8	21.3	13.8	21.5
56	25,200	7.39	42,000	12.31	53,000	15.53	1,739	3,043	4,706	7.9	13.8	21.3	13.8	21.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

Table 22: LMU421HHV with Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER	SEER
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	10,800	3.17	18,000	5.28	20,700	6.07	695	1,216	1,748	3.1	5.5	7.9	14.8	21.0
19	11,400	3.34	19,000	5.57	21,755	6.38	737	1,290	1,841	3.3	5.8	8.3	14.7	20.9
20	12,000	3.52	20,000	5.86	22,810	6.69	780	1,365	1,933	3.5	6.2	8.8	14.7	20.8
21	12,600	3.69	21,000	6.15	23,864	6.99	823	1,440	2,026	3.7	6.5	9.2	14.6	20.7
22	13,200	3.87	22,000	6.45	24,919	7.30	866	1,516	2,119	3.9	6.9	9.6	14.5	20.6
23	13,800	4.04	23,000	6.74	25,974	7.61	910	1,593	2,212	4.1	7.2	10.0	14.4	20.4
24	14,400	4.22	24,000	7.03	27,029	7.92	955	1,671	2,306	4.3	7.6	10.4	14.4	20.3
25	15,000	4.40	25,000	7.33	28,083	8.23	999	1,749	2,400	4.5	7.9	10.9	14.3	20.2
26	15,600	4.57	26,000	7.62	29,138	8.54	1,045	1,828	2,495	4.7	8.3	11.3	14.2	20.1
27	16,200	4.75	27,000	7.91	30,193	8.85	1,090	1,908	2,589	4.9	8.6	11.7	14.2	20.0
28	16,800	4.92	28,000	8.21	31,248	9.16	1,137	1,989	2,685	5.1	9.0	12.2	14.1	19.9
29	17,400	5.10	29,000	8.50	32,302	9.47	1,183	2,071	2,780	5.4	9.4	12.6	14.0	19.8
30	18,000	5.28	30,000	8.79	33,357	9.78	1,230	2,153	2,876	5.6	9.8	13.0	13.9	19.7
31	18,600	5.45	31,000	9.09	34,412	10.09	1,278	2,236	2,972	5.8	10.1	13.5	13.9	19.6
32	19,200	5.63	32,000	9.38	35,467	10.39	1,326	2,321	3,068	6.0	10.5	13.9	13.8	19.4
33	19,800	5.80	33,000	9.67	36,521	10.70	1,375	2,406	3,165	6.2	10.9	14.3	13.7	19.3
34	20,400	5.98	34,000	9.96	37,576	11.01	1,424	2,492	3,262	6.4	11.3	14.8	13.6	19.2
35	21,000	6.15	35,000	10.26	38,631	11.32	1,474	2,579	3,359	6.7	11.7	15.2	13.6	19.1
36	21,600	6.33	36,000	10.55	39,686	11.63	1,524	2,667	3,458	6.9	12.1	15.7	13.5	19.0
37	22,200	6.51	37,000	10.84	40,740	11.94	1,575	2,756	3,556	7.1	12.5	16.1	13.4	19.0
38	22,800	6.68	38,000	11.14	41,795	12.25	1,627	2,846	3,654	7.4	12.9	16.6	13.4	19.0
39	23,400	6.86	39,000	11.43	42,850	12.56	1,679	2,938	3,754	7.6	13.3	17.0	13.3	19.0
40	24,000	7.03	40,000	11.72	43,905	12.87	1,732	3,030	3,854	7.8	13.7	17.5	13.2	19.0
41	24,600	7.21	41,000	12.02	44,960	13.18	1,785	3,124	3,954	8.1	14.1	17.9	13.1	19.0
42	25,200	7.39	42,000	12.31	46,014	13.49	1,839	3,218	4,053	8.3	14.6	18.4	13.1	19.0
43	25,200	7.39	42,000	12.31	47,069	13.80	1,839	3,218	4,156	8.3	14.6	18.8	13.1	19.0
44	25,200	7.39	42,000	12.31	48,124	14.10	1,839	3,218	4,257	8.3	14.6	19.3	13.1	19.0
45	25,200	7.39	42,000	12.31	49,179	14.41	1,839	3,218	4,360	8.3	14.6	19.7	13.1	19.0
46	25,200	7.39	42,000	12.31	50,233	14.72	1,839	3,218	4,463	8.3	14.6	20.2	13.1	19.0
47	25,200	7.39	42,000	12.31	51,288	15.03	1,839	3,218	4,566	8.3	14.6	20.7	13.1	19.0
48	25,200	7.39	42,000	12.31	52,343	15.34	1,839	3,218	4,668	8.3	14.6	21.1	13.1	19.0
49	25,200	7.39	42,000	12.31	53,000	15.53	1,839	3,218	4,732	8.3	14.6	21.4	13.1	19.0
50	25,200	7.39	42,000	12.31	53,000	15.53	1,839	3,218	4,732	8.3	14.6	21.4	13.1	19.0
51	25,200	7.39	42,000	12.31	53,000	15.53	1,839	3,218	4,732	8.3	14.6	21.4	13.1	19.0
52	25,200	7.39	42,000	12.31	53,000	15.53	1,839	3,218	4,732	8.3	14.6	21.4	13.1	19.0
53	25,200	7.39	42,000	12.31	53,000	15.53	1,839	3,218	4,732	8.3	14.6	21.4	13.1	19.0
54	25,200	7.39	42,000	12.31	53,000	15.53	1,839	3,218	4,732	8.3	14.6	21.4	13.1	19.0
55	25,200	7.39	42,000	12.31	53,000	15.53	1,839	3,218	4,732	8.3	14.6	21.4	13.1	19.0
56	25,200	7.39	42,000	12.31	53,000	15.53	1,839	3,218	4,732	8.3	14.6	21.4	13.1	19.0

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.

MULTI F MAX WITH LGRED LMU421HHV



Rated Cooling Combination Tables

Table 23: LMU421HHV with Mixed Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER	SEER
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	10,800	3.17	18,000	5.28	20,700	6.07	669	1,171	1,683	3.0	5.3	7.6	15.4	21.8
19	11,400	3.34	19,000	5.57	21,755	6.38	710	1,242	1,773	3.2	5.6	8.0	15.3	21.7
20	12,000	3.52	20,000	5.86	22,810	6.69	751	1,314	1,863	3.4	6.0	8.4	15.2	21.6
21	12,600	3.69	21,000	6.15	23,864	6.99	792	1,387	1,954	3.6	6.3	8.9	15.1	21.5
22	13,200	3.87	22,000	6.45	24,919	7.30	834	1,460	2,046	3.8	6.6	9.3	15.1	21.5
23	13,800	4.04	23,000	6.74	25,974	7.61	877	1,534	2,138	4.0	6.9	9.7	15.0	21.4
24	14,400	4.22	24,000	7.03	27,029	7.92	920	1,609	2,230	4.2	7.3	10.1	14.9	21.3
25	15,000	4.40	25,000	7.33	28,083	8.23	963	1,685	2,323	4.4	7.6	10.5	14.8	21.3
26	15,600	4.57	26,000	7.62	29,138	8.54	1,007	1,762	2,416	4.6	8.0	10.9	14.8	21.2
27	16,200	4.75	27,000	7.91	30,193	8.85	1,051	1,839	2,510	4.8	8.3	11.4	14.7	21.1
28	16,800	4.92	28,000	8.21	31,248	9.16	1,096	1,918	2,604	5.0	8.7	11.8	14.6	21.1
29	17,400	5.10	29,000	8.50	32,302	9.47	1,141	1,997	2,699	5.2	9.0	12.2	14.5	21.0
30	18,000	5.28	30,000	8.79	33,357	9.78	1,187	2,077	2,795	5.4	9.4	12.7	14.4	20.9
31	18,600	5.45	31,000	9.09	34,412	10.09	1,233	2,157	2,890	5.6	9.8	13.1	14.4	20.8
32	19,200	5.63	32,000	9.38	35,467	10.39	1,279	2,239	2,987	5.8	10.1	13.5	14.3	20.8
33	19,800	5.80	33,000	9.67	36,521	10.70	1,327	2,322	3,083	6.0	10.5	14.0	14.2	20.7
34	20,400	5.98	34,000	9.96	37,576	11.01	1,374	2,405	3,181	6.2	10.9	14.4	14.1	20.6
35	21,000	6.15	35,000	10.26	38,631	11.32	1,423	2,489	3,278	6.4	11.3	14.8	14.1	20.6
36	21,600	6.33	36,000	10.55	39,686	11.63	1,471	2,575	3,378	6.7	11.7	15.3	14.0	20.5
37	22,200	6.51	37,000	10.84	40,740	11.94	1,522	2,664	3,480	6.9	12.1	15.8	13.9	20.5
38	22,800	6.68	38,000	11.14	41,795	12.25	1,574	2,755	3,585	7.1	12.5	16.2	13.8	20.4
39	23,400	6.86	39,000	11.43	42,850	12.56	1,627	2,847	3,690	7.4	12.9	16.7	13.7	20.4
40	24,000	7.03	40,000	11.72	43,905	12.87	1,680	2,940	3,797	7.6	13.3	17.2	13.6	20.3
41	24,600	7.21	41,000	12.02	44,960	13.18	1,734	3,035	3,904	7.9	13.7	17.7	13.5	20.3
42	25,200	7.39	42,000	12.31	46,014	13.49	1,789	3,131	4,011	8.1	14.2	18.2	13.4	20.3
43	25,200	7.39	42,000	12.31	47,069	13.80	1,789	3,131	4,118	8.1	14.2	18.6	13.4	20.3
44	25,200	7.39	42,000	12.31	48,124	14.10	1,789	3,131	4,224	8.1	14.2	19.1	13.4	20.3
45	25,200	7.39	42,000	12.31	49,179	14.41	1,789	3,131	4,331	8.1	14.2	19.6	13.4	20.3
46	25,200	7.39	42,000	12.31	50,233	14.72	1,789	3,131	4,439	8.1	14.2	20.1	13.4	20.3
47	25,200	7.39	42,000	12.31	51,288	15.03	1,789	3,131	4,548	8.1	14.2	20.6	13.4	20.3
48	25,200	7.39	42,000	12.31	52,343	15.34	1,789	3,131	4,657	8.1	14.2	21.1	13.4	20.3
49	25,200	7.39	42,000	12.31	53,000	15.53	1,789	3,131	4,719	8.1	14.2	21.4	13.4	20.3
50	25,200	7.39	42,000	12.31	53,000	15.53	1,789	3,131	4,719	8.1	14.2	21.4	13.4	20.3
51	25,200	7.39	42,000	12.31	53,000	15.53	1,789	3,131	4,719	8.1	14.2	21.4	13.4	20.3
52	25,200	7.39	42,000	12.31	53,000	15.53	1,789	3,131	4,719	8.1	14.2	21.4	13.4	20.3
53	25,200	7.39	42,000	12.31	53,000	15.53	1,789	3,131	4,719	8.1	14.2	21.4	13.4	20.3
54	25,200	7.39	42,000	12.31	53,000	15.53	1,789	3,131	4,719	8.1	14.2	21.4	13.4	20.3
55	25,200	7.39	42,000	12.31	53,000	15.53	1,789	3,131	4,719	8.1	14.2	21.4	13.4	20.3
56	25,200	7.39	42,000	12.31	53,000	15.53	1,789	3,131	4,719	8.1	14.2	21.4	13.4	20.3

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).
³Wiring cable size must comply with the applicable local and national codes.
⁴The specification may be subject to change without prior notice for purpose of improvement.
⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

MULTI F WITH **LGRED**[®] **MULTI F MAX WITH LGRED LMU421HHV**
MULTI F MAX Rated Heating Combination Tables

Table 24: LMU421HHV with Non-Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	12,420	3.64	20,700	6.07	23,800	6.98	714	1,261	1,813	3.2	5.7	8.2	4.8	12.0
19	13,230	3.88	22,050	6.46	25,256	7.40	768	1,356	1,935	3.5	6.1	8.8	4.8	12.0
20	14,040	4.11	23,400	6.86	26,711	7.83	822	1,453	2,060	3.7	6.6	9.3	4.7	11.9
21	14,850	4.35	24,750	7.25	28,167	8.26	878	1,552	2,187	4.0	7.0	9.9	4.7	11.9
22	15,660	4.59	26,100	7.65	29,622	8.68	935	1,652	2,315	4.2	7.5	10.5	4.6	11.9
23	16,470	4.83	27,450	8.05	31,078	9.11	993	1,755	2,445	4.5	7.9	11.1	4.6	11.9
24	17,280	5.06	28,800	8.44	32,533	9.53	1,052	1,859	2,577	4.8	8.4	11.7	4.5	11.8
25	18,090	5.30	30,150	8.84	33,989	9.96	1,113	1,966	2,711	5.0	8.9	12.3	4.5	11.8
26	18,900	5.54	31,500	9.23	35,444	10.39	1,174	2,075	2,846	5.3	9.4	12.9	4.5	11.8
27	19,710	5.78	32,850	9.63	36,900	10.81	1,237	2,186	2,983	5.6	9.9	13.5	4.4	11.8
28	20,520	6.01	34,200	10.02	38,356	11.24	1,301	2,299	3,123	5.9	10.4	14.1	4.4	11.7
29	21,330	6.25	35,550	10.42	39,811	11.67	1,367	2,415	3,264	6.2	10.9	14.8	4.3	11.7
30	22,140	6.49	36,900	10.81	41,267	12.09	1,434	2,533	3,407	6.5	11.5	15.4	4.3	11.7
31	22,950	6.73	38,250	11.21	42,722	12.52	1,502	2,653	3,552	6.8	12.0	16.1	4.2	11.6
32	23,760	6.96	39,600	11.61	44,178	12.95	1,572	2,777	3,699	7.1	12.6	16.8	4.2	11.6
33	24,570	7.20	40,950	12.00	45,633	13.37	1,643	2,902	3,849	7.4	13.1	17.4	4.1	11.6
34	25,380	7.44	42,300	12.40	47,089	13.80	1,716	3,031	4,000	7.8	13.7	18.1	4.1	11.6
35	26,190	7.68	43,650	12.79	48,544	14.23	1,790	3,163	4,154	8.1	14.3	18.8	4.0	11.5
36	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
37	27,300	8.00	45,500	13.34	50,750	14.87	1,855	3,362	4,375	8.4	15.2	19.8	4.0	11.5
38	27,600	8.09	46,000	13.48	51,500	15.09	1,891	3,428	4,439	8.6	15.5	20.1	3.9	11.5
39	27,900	8.18	46,500	13.63	52,250	15.31	1,929	3,494	4,504	8.7	15.8	20.4	3.9	11.5
40	28,200	8.26	47,000	13.77	53,000	15.53	1,966	3,562	4,569	8.9	16.1	20.7	3.9	11.5
41	28,500	8.35	47,500	13.92	53,750	15.75	2,005	3,632	4,633	9.1	16.4	21.0	3.8	11.5
42	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
43	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
44	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
45	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
46	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
47	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
48	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
49	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
50	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
51	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
52	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
53	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
54	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
55	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
56	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



MULTI F MAX WITH LGRED LMU421HHV

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Heating Combination Tables

Table 25: LMU421HHV with Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	12,420	3.64	20,700	6.07	23,800	6.98	793	1,401	1,896	3.6	6.3	8.6	4.3	11.5
19	13,230	3.88	22,050	6.46	25,256	7.40	853	1,507	2,021	3.9	6.8	9.2	4.3	11.4
20	14,040	4.11	23,400	6.86	26,711	7.83	914	1,615	2,148	4.1	7.3	9.7	4.2	11.4
21	14,850	4.35	24,750	7.25	28,167	8.26	977	1,726	2,276	4.4	7.8	10.3	4.2	11.3
22	15,660	4.59	26,100	7.65	29,622	8.68	1,041	1,838	2,406	4.7	8.3	10.9	4.2	11.3
23	16,470	4.83	27,450	8.05	31,078	9.11	1,106	1,953	2,536	5.0	8.8	11.5	4.1	11.2
24	17,280	5.06	28,800	8.44	32,533	9.53	1,172	2,071	2,668	5.3	9.4	12.1	4.1	11.2
25	18,090	5.30	30,150	8.84	33,989	9.96	1,240	2,190	2,802	5.6	9.9	12.7	4.0	11.1
26	18,900	5.54	31,500	9.23	35,444	10.39	1,309	2,313	2,936	5.9	10.5	13.3	4.0	11.1
27	19,710	5.78	32,850	9.63	36,900	10.81	1,380	2,437	3,072	6.2	11.0	13.9	4.0	11.0
28	20,520	6.01	34,200	10.02	38,356	11.24	1,452	2,565	3,210	6.6	11.6	14.5	3.9	10.9
29	21,330	6.25	35,550	10.42	39,811	11.67	1,526	2,695	3,349	6.9	12.2	15.2	3.9	10.9
30	22,140	6.49	36,900	10.81	41,267	12.09	1,601	2,829	3,489	7.3	12.8	15.8	3.8	10.8
31	22,950	6.73	38,250	11.21	42,722	12.52	1,678	2,965	3,630	7.6	13.4	16.4	3.8	10.8
32	23,760	6.96	39,600	11.61	44,178	12.95	1,757	3,104	3,774	8.0	14.1	17.1	3.7	10.7
33	24,570	7.20	40,950	12.00	45,633	13.37	1,838	3,247	3,918	8.3	14.7	17.7	3.7	10.7
34	25,380	7.44	42,300	12.40	47,089	13.80	1,920	3,392	4,064	8.7	15.4	18.4	3.7	10.6
35	26,190	7.68	43,650	12.79	48,544	14.23	2,005	3,542	4,212	9.1	16.0	19.1	3.6	10.6
36	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
37	27,300	8.00	45,500	13.34	50,750	14.87	2,119	3,744	4,430	9.6	17.0	20.1	3.6	10.5
38	27,600	8.09	46,000	13.48	51,500	15.09	2,148	3,794	4,499	9.7	17.2	20.4	3.6	10.5
39	27,900	8.18	46,500	13.63	52,250	15.31	2,176	3,844	4,568	9.9	17.4	20.7	3.5	10.5
40	28,200	8.26	47,000	13.77	53,000	15.53	2,205	3,895	4,637	10.0	17.6	21.0	3.5	10.5
41	28,500	8.35	47,500	13.92	53,750	15.75	2,233	3,946	4,706	10.1	17.9	21.3	3.5	10.5
42	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
43	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
44	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
45	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
46	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
47	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
48	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
49	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
50	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
51	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
52	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
53	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
54	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
55	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
56	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

MULTI F WITH LGRED° MULTI F MAX WITH LGRED LMU421HHV
MULTI F MAX Rated Heating Combination Tables

Table 26: LMU421HHV with Mixed Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	12,420	3.64	20,700	6.07	23,800	6.98	754	1,331	1,854	3.4	6.0	8.4	4.6	11.8
19	13,230	3.88	22,050	6.46	25,256	7.40	810	1,432	1,978	3.7	6.5	9.0	4.5	11.7
20	14,040	4.11	23,400	6.86	26,711	7.83	868	1,534	2,104	3.9	6.9	9.5	4.5	11.7
21	14,850	4.35	24,750	7.25	28,167	8.26	928	1,639	2,232	4.2	7.4	10.1	4.4	11.6
22	15,660	4.59	26,100	7.65	29,622	8.68	988	1,745	2,360	4.5	7.9	10.7	4.4	11.6
23	16,470	4.83	27,450	8.05	31,078	9.11	1,049	1,854	2,491	4.8	8.4	11.3	4.3	11.5
24	17,280	5.06	28,800	8.44	32,533	9.53	1,112	1,965	2,623	5.0	8.9	11.9	4.3	11.5
25	18,090	5.30	30,150	8.84	33,989	9.96	1,176	2,078	2,756	5.3	9.4	12.5	4.3	11.5
26	18,900	5.54	31,500	9.23	35,444	10.39	1,242	2,194	2,891	5.6	9.9	13.1	4.2	11.4
27	19,710	5.78	32,850	9.63	36,900	10.81	1,308	2,312	3,028	5.9	10.5	13.7	4.2	11.4
28	20,520	6.01	34,200	10.02	38,356	11.24	1,377	2,432	3,166	6.2	11.0	14.3	4.1	11.3
29	21,330	6.25	35,550	10.42	39,811	11.67	1,446	2,555	3,306	6.5	11.6	15.0	4.1	11.3
30	22,140	6.49	36,900	10.81	41,267	12.09	1,517	2,681	3,448	6.9	12.1	15.6	4.0	11.3
31	22,950	6.73	38,250	11.21	42,722	12.52	1,590	2,809	3,591	7.2	12.7	16.3	4.0	11.2
32	23,760	6.96	39,600	11.61	44,178	12.95	1,664	2,940	3,736	7.5	13.3	16.9	3.9	11.2
33	24,570	7.20	40,950	12.00	45,633	13.37	1,740	3,075	3,884	7.9	13.9	17.6	3.9	11.1
34	25,380	7.44	42,300	12.40	47,089	13.80	1,818	3,212	4,032	8.2	14.5	18.3	3.9	11.1
35	26,190	7.68	43,650	12.79	48,544	14.23	1,897	3,352	4,183	8.6	15.2	18.9	3.8	11.0
36	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
37	27,300	8.00	45,500	13.34	50,750	14.87	1,987	3,553	4,402	9.0	16.1	19.9	3.8	11.0
38	27,600	8.09	46,000	13.48	51,500	15.09	2,020	3,611	4,469	9.1	16.4	20.2	3.7	11.0
39	27,900	8.18	46,500	13.63	52,250	15.31	2,052	3,669	4,536	9.3	16.6	20.5	3.7	11.0
40	28,200	8.26	47,000	13.77	53,000	15.53	2,085	3,729	4,603	9.4	16.9	20.8	3.7	11.0
41	28,500	8.35	47,500	13.92	53,750	15.75	2,119	3,789	4,670	9.6	17.2	21.1	3.7	11.0
42	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
43	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
44	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
45	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
46	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
47	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
48	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
49	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
50	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
51	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
52	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
53	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
54	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
55	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
56	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



MULTI F MAX WITH LGRED LMU480HHV

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Tables

The individual indoor unit capacity can be calculated based on the outdoor unit Rated capacity as follows.¹

$$\frac{\text{Individual Indoor Unit Combination Capacity (Qidu [Combi])}}{\text{Outdoor Unit Rated Capacity (Qodu [Rated])}} = \frac{\text{Individual Indoor Unit Rated Capacity (Qidu [Rated])}}{\text{Total Connected Indoor Unit Rated Capacity } (\sum \text{Qidu [Rated]})}$$

¹To calculate the individual IDU capacity based on ODU Corrected capacity, replace (Qodu [Rated]) with (Qodu [Corrected]) where (Qodu [Corrected]) is obtained from the capacity tables referencing design conditions.

Table 27: LMU480HHV with Non-Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER	SEER
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	10,800	3.17	18,000	5.28	20,700	6.07	643	1,125	1,617	2.9	5.1	7.3	16.0	22.5
19	11,400	3.34	19,000	5.57	21,755	6.38	682	1,194	1,705	3.1	5.4	7.7	15.9	22.5
20	12,000	3.52	20,000	5.86	22,810	6.69	722	1,263	1,794	3.3	5.7	8.1	15.8	22.4
21	12,600	3.69	21,000	6.15	23,864	6.99	762	1,333	1,883	3.5	6.0	8.5	15.8	22.4
22	13,200	3.87	22,000	6.45	24,919	7.30	802	1,404	1,973	3.6	6.4	8.9	15.7	22.4
23	13,800	4.04	23,000	6.74	25,974	7.61	843	1,476	2,063	3.8	6.7	9.3	15.6	22.4
24	14,400	4.22	24,000	7.03	27,029	7.92	885	1,548	2,154	4.0	7.0	9.8	15.5	22.3
25	15,000	4.40	25,000	7.33	28,083	8.23	927	1,622	2,246	4.2	7.3	10.2	15.4	22.3
26	15,600	4.57	26,000	7.62	29,138	8.54	969	1,696	2,338	4.4	7.7	10.6	15.3	22.3
27	16,200	4.75	27,000	7.91	30,193	8.85	1,012	1,770	2,431	4.6	8.0	11.0	15.3	22.3
28	16,800	4.92	28,000	8.21	31,248	9.16	1,055	1,846	2,524	4.8	8.4	11.4	15.2	22.2
29	17,400	5.10	29,000	8.50	32,302	9.47	1,099	1,923	2,619	5.0	8.7	11.9	15.1	22.2
30	18,000	5.28	30,000	8.79	33,357	9.78	1,143	2,000	2,713	5.2	9.1	12.3	15.0	22.2
31	18,600	5.45	31,000	9.09	34,412	10.09	1,188	2,078	2,809	5.4	9.4	12.7	14.9	22.1
32	19,200	5.63	32,000	9.38	35,467	10.39	1,233	2,157	2,905	5.6	9.8	13.2	14.8	22.1
33	19,800	5.80	33,000	9.67	36,521	10.70	1,278	2,237	3,002	5.8	10.1	13.6	14.8	22.1
34	20,400	5.98	34,000	9.96	37,576	11.01	1,325	2,318	3,099	6.0	10.5	14.0	14.7	22.1
35	21,000	6.15	35,000	10.26	38,631	11.32	1,371	2,400	3,197	6.2	10.9	14.5	14.6	22.0
36	21,600	6.33	36,000	10.55	39,686	11.63	1,419	2,483	3,298	6.4	11.2	14.9	14.5	22.0
37	22,200	6.51	37,000	10.84	40,740	11.94	1,470	2,572	3,405	6.7	11.7	15.4	14.4	21.9
38	22,800	6.68	38,000	11.14	41,795	12.25	1,522	2,664	3,515	6.9	12.1	15.9	14.3	21.8
39	23,400	6.86	39,000	11.43	42,850	12.56	1,575	2,756	3,627	7.1	12.5	16.4	14.2	21.8
40	24,000	7.03	40,000	11.72	43,905	12.87	1,629	2,850	3,740	7.4	12.9	16.9	14.0	21.7
41	24,600	7.21	41,000	12.02	44,960	13.18	1,683	2,946	3,854	7.6	13.3	17.5	13.9	21.6
42	25,200	7.39	42,000	12.31	46,014	13.49	1,739	3,043	3,969	7.9	13.8	18.0	13.6	21.5
43	25,800	7.56	43,000	12.60	47,069	13.80	1,796	3,143	4,080	8.1	14.2	18.5	13.7	21.3
44	26,400	7.74	44,000	12.90	48,124	14.10	1,853	3,243	4,191	8.4	14.7	19.0	13.6	21.2
45	27,000	7.91	45,000	13.19	49,179	14.41	1,912	3,346	4,303	8.7	15.2	19.5	13.5	21.0
46	27,600	8.09	46,000	13.48	50,233	14.72	1,971	3,450	4,415	8.9	15.6	20.0	13.3	20.8
47	28,200	8.26	47,000	13.77	51,288	15.03	2,032	3,556	4,529	9.2	16.1	20.5	13.2	20.7
48	28,800	8.44	48,000	14.07	52,343	15.34	2,094	3,664	4,646	9.5	16.6	21.0	13.1	20.5
49	28,800	8.44	48,000	14.07	53,286	15.62	2,094	3,664	4,731	9.5	16.6	21.4	13.1	20.5
50	28,800	8.44	48,000	14.07	54,229	15.89	2,094	3,664	4,817	9.5	16.6	21.8	13.1	20.5
51	28,800	8.44	48,000	14.07	55,172	16.17	2,094	3,664	4,904	9.5	16.6	22.2	13.1	20.5
52	28,800	8.44	48,000	14.07	56,114	16.45	2,094	3,664	4,991	9.5	16.6	22.6	13.1	20.5
53	28,800	8.44	48,000	14.07	57,057	16.72	2,094	3,664	5,078	9.5	16.6	23.0	13.1	20.5
54	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
55	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
56	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
57	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
58	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
59	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
60	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
61	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
62	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
63	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
64	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5
65	28,800	8.44	48,000	14.07	58,000	17.00	2,094	3,664	5,165	9.5	16.6	23.4	13.1	20.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

MULTI F WITH LGRED° MULTI F MAX WITH LGRED LMU480HHV
 MULTI F MAX Rated Cooling Combination Tables

Table 28: LMU480HHV with Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER	SEER
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	10,800	3.17	18,000	5.28	20,700	6.07	695	1,216	1,748	3.1	5.5	7.9	14.8	21.0
19	11,400	3.34	19,000	5.57	21,755	6.38	737	1,290	1,841	3.3	5.8	8.3	14.7	20.9
20	12,000	3.52	20,000	5.86	22,810	6.69	780	1,365	1,933	3.5	6.2	8.8	14.7	20.8
21	12,600	3.69	21,000	6.15	23,864	6.99	823	1,440	2,026	3.7	6.5	9.2	14.6	20.7
22	13,200	3.87	22,000	6.45	24,919	7.30	866	1,516	2,119	3.9	6.9	9.6	14.5	20.6
23	13,800	4.04	23,000	6.74	25,974	7.61	910	1,593	2,212	4.1	7.2	10.0	14.4	20.4
24	14,400	4.22	24,000	7.03	27,029	7.92	955	1,671	2,306	4.3	7.6	10.4	14.4	20.3
25	15,000	4.40	25,000	7.33	28,083	8.23	999	1,749	2,400	4.5	7.9	10.9	14.3	20.2
26	15,600	4.57	26,000	7.62	29,138	8.54	1,045	1,828	2,495	4.7	8.3	11.3	14.2	20.1
27	16,200	4.75	27,000	7.91	30,193	8.85	1,090	1,908	2,589	4.9	8.6	11.7	14.2	20.0
28	16,800	4.92	28,000	8.21	31,248	9.16	1,137	1,989	2,685	5.1	9.0	12.2	14.1	19.9
29	17,400	5.10	29,000	8.50	32,302	9.47	1,183	2,071	2,780	5.4	9.4	12.6	14.0	19.8
30	18,000	5.28	30,000	8.79	33,357	9.78	1,230	2,153	2,876	5.6	9.8	13.0	13.9	19.7
31	18,600	5.45	31,000	9.09	34,412	10.09	1,278	2,236	2,972	5.8	10.1	13.5	13.9	19.6
32	19,200	5.63	32,000	9.38	35,467	10.39	1,326	2,321	3,068	6.0	10.5	13.9	13.8	19.4
33	19,800	5.80	33,000	9.67	36,521	10.70	1,375	2,406	3,165	6.2	10.9	14.3	13.7	19.3
34	20,400	5.98	34,000	9.96	37,576	11.01	1,424	2,492	3,262	6.4	11.3	14.8	13.6	19.2
35	21,000	6.15	35,000	10.26	38,631	11.32	1,474	2,579	3,359	6.7	11.7	15.2	13.6	19.1
36	21,600	6.33	36,000	10.55	39,686	11.63	1,524	2,667	3,458	6.9	12.1	15.7	13.5	19.0
37	22,200	6.51	37,000	10.84	40,740	11.94	1,575	2,756	3,556	7.1	12.5	16.1	13.4	19.0
38	22,800	6.68	38,000	11.14	41,795	12.25	1,627	2,846	3,654	7.4	12.9	16.6	13.4	19.0
39	23,400	6.86	39,000	11.43	42,850	12.56	1,679	2,938	3,754	7.6	13.3	17.0	13.3	19.0
40	24,000	7.03	40,000	11.72	43,905	12.87	1,732	3,030	3,854	7.8	13.7	17.5	13.2	19.0
41	24,600	7.21	41,000	12.02	44,960	13.18	1,785	3,124	3,954	8.1	14.1	17.9	13.1	19.0
42	25,200	7.39	42,000	12.31	46,014	13.49	1,839	3,218	4,053	8.3	14.6	18.4	13.1	19.0
43	25,800	7.56	43,000	12.60	47,069	13.80	1,894	3,314	4,156	8.6	15.0	18.8	13.0	18.9
44	26,400	7.74	44,000	12.90	48,124	14.10	1,949	3,411	4,257	8.8	15.4	19.3	12.9	18.8
45	27,000	7.91	45,000	13.19	49,179	14.41	2,005	3,509	4,360	9.1	15.9	19.7	12.8	18.8
46	27,600	8.09	46,000	13.48	50,233	14.72	2,062	3,608	4,463	9.3	16.3	20.2	12.8	18.7
47	28,200	8.26	47,000	13.77	51,288	15.03	2,119	3,708	4,566	9.6	16.8	20.7	12.7	18.6
48	28,800	8.44	48,000	14.07	52,343	15.34	2,177	3,810	4,668	9.9	17.3	21.1	12.6	18.5
49	28,800	8.44	48,000	14.07	53,398	15.65	2,177	3,810	4,771	9.9	17.3	21.6	12.6	18.5
50	28,800	8.44	48,000	14.07	54,452	15.96	2,177	3,810	4,873	9.9	17.3	22.1	12.6	18.5
51	28,800	8.44	48,000	14.07	55,507	16.27	2,177	3,810	4,975	9.9	17.3	22.5	12.6	18.5
52	28,800	8.44	48,000	14.07	56,562	16.58	2,177	3,810	5,077	9.9	17.3	23.0	12.6	18.5
53	28,800	8.44	48,000	14.07	57,617	16.89	2,177	3,810	5,180	9.9	17.3	23.5	12.6	18.5
54	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
55	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
56	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
57	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
58	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
59	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
60	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
61	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
62	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
63	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
64	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5
65	28,800	8.44	48,000	14.07	58,000	17.00	2,177	3,810	5,223	9.9	17.3	23.7	12.6	18.5

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



MULTI F MAX WITH LGRED LMU480HHV



Rated Cooling Combination Tables

Table 29: LMU480HHV with Mixed Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER	SEER
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	10,800	3.17	18,000	5.28	20,700	6.07	669	1,171	1,683	3.0	5.3	7.6	15.4	21.8
19	11,400	3.34	19,000	5.57	21,755	6.38	710	1,242	1,773	3.2	5.6	8.0	15.3	21.7
20	12,000	3.52	20,000	5.86	22,810	6.69	751	1,314	1,863	3.4	6.0	8.4	15.2	21.6
21	12,600	3.69	21,000	6.15	23,864	6.99	792	1,387	1,954	3.6	6.3	8.9	15.1	21.5
22	13,200	3.87	22,000	6.45	24,919	7.30	834	1,460	2,046	3.8	6.6	9.3	15.1	21.5
23	13,800	4.04	23,000	6.74	25,974	7.61	877	1,534	2,138	4.0	6.9	9.7	15.0	21.4
24	14,400	4.22	24,000	7.03	27,029	7.92	920	1,609	2,230	4.2	7.3	10.1	14.9	21.3
25	15,000	4.40	25,000	7.33	28,083	8.23	963	1,685	2,323	4.4	7.6	10.5	14.8	21.3
26	15,600	4.57	26,000	7.62	29,138	8.54	1,007	1,762	2,416	4.6	8.0	10.9	14.8	21.2
27	16,200	4.75	27,000	7.91	30,193	8.85	1,051	1,839	2,510	4.8	8.3	11.4	14.7	21.1
28	16,800	4.92	28,000	8.21	31,248	9.16	1,096	1,918	2,604	5.0	8.7	11.8	14.6	21.1
29	17,400	5.10	29,000	8.50	32,302	9.47	1,141	1,997	2,699	5.2	9.0	12.2	14.5	21.0
30	18,000	5.28	30,000	8.79	33,357	9.78	1,187	2,077	2,795	5.4	9.4	12.7	14.4	20.9
31	18,600	5.45	31,000	9.09	34,412	10.09	1,233	2,157	2,890	5.6	9.8	13.1	14.4	20.8
32	19,200	5.63	32,000	9.38	35,467	10.39	1,279	2,239	2,987	5.8	10.1	13.5	14.3	20.8
33	19,800	5.80	33,000	9.67	36,521	10.70	1,327	2,322	3,083	6.0	10.5	14.0	14.2	20.7
34	20,400	5.98	34,000	9.96	37,576	11.01	1,374	2,405	3,181	6.2	10.9	14.4	14.1	20.6
35	21,000	6.15	35,000	10.26	38,631	11.32	1,423	2,489	3,278	6.4	11.3	14.8	14.1	20.6
36	21,600	6.33	36,000	10.55	39,686	11.63	1,471	2,575	3,378	6.7	11.7	15.3	14.0	20.5
37	22,200	6.51	37,000	10.84	40,740	11.94	1,522	2,664	3,480	6.9	12.1	15.8	13.9	20.5
38	22,800	6.68	38,000	11.14	41,795	12.25	1,574	2,755	3,585	7.1	12.5	16.2	13.8	20.4
39	23,400	6.86	39,000	11.43	42,850	12.56	1,627	2,847	3,690	7.4	12.9	16.7	13.7	20.4
40	24,000	7.03	40,000	11.72	43,905	12.87	1,680	2,940	3,797	7.6	13.3	17.2	13.6	20.3
41	24,600	7.21	41,000	12.02	44,960	13.18	1,734	3,035	3,904	7.9	13.7	17.7	13.5	20.3
42	25,200	7.39	42,000	12.31	46,014	13.49	1,789	3,131	4,011	8.1	14.2	18.2	13.4	20.3
43	25,800	7.56	43,000	12.60	47,069	13.80	1,845	3,228	4,118	8.4	14.6	18.6	13.3	20.1
44	26,400	7.74	44,000	12.90	48,124	14.10	1,901	3,327	4,224	8.6	15.1	19.1	13.2	20.0
45	27,000	7.91	45,000	13.19	49,179	14.41	1,958	3,427	4,331	8.9	15.5	19.6	13.1	19.9
46	27,600	8.09	46,000	13.48	50,233	14.72	2,017	3,529	4,439	9.1	16.0	20.1	13.0	19.8
47	28,200	8.26	47,000	13.77	51,288	15.03	2,075	3,632	4,548	9.4	16.4	20.6	12.9	19.6
48	28,800	8.44	48,000	14.07	52,343	15.34	2,135	3,737	4,657	9.7	16.9	21.1	12.8	19.5
49	28,800	8.44	48,000	14.07	53,342	15.63	2,135	3,737	4,751	9.7	16.9	21.5	12.8	19.5
50	28,800	8.44	48,000	14.07	54,341	15.93	2,135	3,737	4,845	9.7	16.9	21.9	12.8	19.5
51	28,800	8.44	48,000	14.07	55,339	16.22	2,135	3,737	4,940	9.7	16.9	22.4	12.8	19.5
52	28,800	8.44	48,000	14.07	56,338	16.51	2,135	3,737	5,034	9.7	16.9	22.8	12.8	19.5
53	28,800	8.44	48,000	14.07	57,337	16.80	2,135	3,737	5,129	9.7	16.9	23.2	12.8	19.5
54	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
55	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
56	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
57	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
58	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
59	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
60	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
61	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
62	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
63	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
64	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5
65	28,800	8.44	48,000	14.07	58,000	17.00	2,135	3,737	5,194	9.7	16.9	23.5	12.8	19.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

MULTI F WITH **LGRED**[®] **MULTI F MAX WITH LGRED LMU480HHV**
MULTI F MAX Rated Heating Combination Tables

Table 30: LMU480HHV with Non-Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	12,420	3.64	20,700	6.07	23,800	6.98	714	1,261	1,813	3.2	5.7	8.2	4.8	12.0
19	13,230	3.88	22,050	6.46	25,256	7.40	768	1,356	1,935	3.5	6.1	8.8	4.8	12.0
20	14,040	4.11	23,400	6.86	26,711	7.83	822	1,453	2,060	3.7	6.6	9.3	4.7	11.9
21	14,850	4.35	24,750	7.25	28,167	8.26	878	1,552	2,187	4.0	7.0	9.9	4.7	11.9
22	15,660	4.59	26,100	7.65	29,622	8.68	935	1,652	2,315	4.2	7.5	10.5	4.6	11.9
23	16,470	4.83	27,450	8.05	31,078	9.11	993	1,755	2,445	4.5	7.9	11.1	4.6	11.9
24	17,280	5.06	28,800	8.44	32,533	9.53	1,052	1,859	2,577	4.8	8.4	11.7	4.5	11.8
25	18,090	5.30	30,150	8.84	33,989	9.96	1,113	1,966	2,711	5.0	8.9	12.3	4.5	11.8
26	18,900	5.54	31,500	9.23	35,444	10.39	1,174	2,075	2,846	5.3	9.4	12.9	4.5	11.8
27	19,710	5.78	32,850	9.63	36,900	10.81	1,237	2,186	2,983	5.6	9.9	13.5	4.4	11.8
28	20,520	6.01	34,200	10.02	38,356	11.24	1,301	2,299	3,123	5.9	10.4	14.1	4.4	11.7
29	21,330	6.25	35,550	10.42	39,811	11.67	1,367	2,415	3,264	6.2	10.9	14.8	4.3	11.7
30	22,140	6.49	36,900	10.81	41,267	12.09	1,434	2,533	3,407	6.5	11.5	15.4	4.3	11.7
31	22,950	6.73	38,250	11.21	42,722	12.52	1,502	2,653	3,552	6.8	12.0	16.1	4.2	11.6
32	23,760	6.96	39,600	11.61	44,178	12.95	1,572	2,777	3,699	7.1	12.6	16.8	4.2	11.6
33	24,570	7.20	40,950	12.00	45,633	13.37	1,643	2,902	3,849	7.4	13.1	17.4	4.1	11.6
34	25,380	7.44	42,300	12.40	47,089	13.80	1,716	3,031	4,000	7.8	13.7	18.1	4.1	11.6
35	26,190	7.68	43,650	12.79	48,544	14.23	1,790	3,163	4,154	8.1	14.3	18.8	4.0	11.5
36	27,000	7.91	45,000	13.19	50,000	14.65	1,866	3,297	4,310	8.5	14.9	19.5	4.0	11.5
37	27,300	8.00	45,500	13.34	50,750	14.87	1,855	3,362	4,375	8.4	15.2	19.8	4.0	11.5
38	27,600	8.09	46,000	13.48	51,500	15.09	1,891	3,428	4,439	8.6	15.5	20.1	3.9	11.5
39	27,900	8.18	46,500	13.63	52,250	15.31	1,929	3,494	4,504	8.7	15.8	20.4	3.9	11.5
40	28,200	8.26	47,000	13.77	53,000	15.53	1,966	3,562	4,569	8.9	16.1	20.7	3.9	11.5
41	28,500	8.35	47,500	13.92	53,750	15.75	2,005	3,632	4,633	9.1	16.4	21.0	3.8	11.5
42	28,800	8.44	48,000	14.07	54,500	15.97	2,096	3,702	4,698	9.5	16.8	21.3	3.8	11.5
43	29,250	8.57	48,750	14.29	55,250	16.19	2,145	3,790	4,763	9.7	17.2	21.6	3.8	11.4
44	29,700	8.70	49,500	14.51	56,000	16.41	2,196	3,879	4,827	9.9	17.6	21.9	3.7	11.3
45	30,150	8.84	50,250	14.73	56,750	16.63	2,247	3,970	4,892	10.2	18.0	22.2	3.7	11.3
46	30,600	8.97	51,000	14.95	57,500	16.85	2,299	4,062	4,957	10.4	18.4	22.4	3.7	11.2
47	31,050	9.10	51,750	15.17	58,250	17.07	2,352	4,155	5,021	10.7	18.8	22.7	3.7	11.1
48	31,500	9.23	52,500	15.39	59,000	17.29	2,406	4,251	5,086	10.9	19.3	23.0	3.6	11.0
49	31,950	9.36	53,250	15.61	59,000	17.29	2,450	4,328	5,086	11.1	19.6	23.0	3.6	11.0
50	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
51	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
52	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
53	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
54	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
55	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
56	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
57	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
58	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
59	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
60	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
61	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
62	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
63	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
64	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0
65	32,400	9.50	54,000	15.83	59,000	17.29	2,494	4,406	5,086	11.3	20.0	23.0	3.6	11.0

Combination Data

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



MULTI F MAX WITH LGRED LMU480HHV



Rated Heating Combination Tables

Table 31: LMU480HHV with Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	12,420	3.64	20,700	6.07	23,800	6.98	793	1,401	1,896	3.6	6.3	8.6	4.3	11.5
19	13,230	3.88	22,050	6.46	25,256	7.40	853	1,507	2,021	3.9	6.8	9.2	4.3	11.4
20	14,040	4.11	23,400	6.86	26,711	7.83	914	1,615	2,148	4.1	7.3	9.7	4.2	11.4
21	14,850	4.35	24,750	7.25	28,167	8.26	977	1,726	2,276	4.4	7.8	10.3	4.2	11.3
22	15,660	4.59	26,100	7.65	29,622	8.68	1,041	1,838	2,406	4.7	8.3	10.9	4.2	11.3
23	16,470	4.83	27,450	8.05	31,078	9.11	1,106	1,953	2,536	5.0	8.8	11.5	4.1	11.2
24	17,280	5.06	28,800	8.44	32,533	9.53	1,172	2,071	2,668	5.3	9.4	12.1	4.1	11.2
25	18,090	5.30	30,150	8.84	33,989	9.96	1,240	2,190	2,802	5.6	9.9	12.7	4.0	11.1
26	18,900	5.54	31,500	9.23	35,444	10.39	1,309	2,313	2,936	5.9	10.5	13.3	4.0	11.1
27	19,710	5.78	32,850	9.63	36,900	10.81	1,380	2,437	3,072	6.2	11.0	13.9	4.0	11.0
28	20,520	6.01	34,200	10.02	38,356	11.24	1,452	2,565	3,210	6.6	11.6	14.5	3.9	10.9
29	21,330	6.25	35,550	10.42	39,811	11.67	1,526	2,695	3,349	6.9	12.2	15.2	3.9	10.9
30	22,140	6.49	36,900	10.81	41,267	12.09	1,601	2,829	3,489	7.3	12.8	15.8	3.8	10.8
31	22,950	6.73	38,250	11.21	42,722	12.52	1,678	2,965	3,630	7.6	13.4	16.4	3.8	10.8
32	23,760	6.96	39,600	11.61	44,178	12.95	1,757	3,104	3,774	8.0	14.1	17.1	3.7	10.7
33	24,570	7.20	40,950	12.00	45,633	13.37	1,838	3,247	3,918	8.3	14.7	17.7	3.7	10.7
34	25,380	7.44	42,300	12.40	47,089	13.80	1,920	3,392	4,064	8.7	15.4	18.4	3.7	10.6
35	26,190	7.68	43,650	12.79	48,544	14.23	2,005	3,542	4,212	9.1	16.0	19.1	3.6	10.6
36	27,000	7.91	45,000	13.19	50,000	14.65	2,091	3,694	4,367	9.5	16.7	19.8	3.6	10.5
37	27,300	8.00	45,500	13.34	50,750	14.87	2,119	3,744	4,430	9.6	17.0	20.1	3.6	10.5
38	27,600	8.09	46,000	13.48	51,500	15.09	2,148	3,794	4,499	9.7	17.2	20.4	3.6	10.5
39	27,900	8.18	46,500	13.63	52,250	15.31	2,176	3,844	4,568	9.9	17.4	20.7	3.5	10.5
40	28,200	8.26	47,000	13.77	53,000	15.53	2,205	3,895	4,637	10.0	17.6	21.0	3.5	10.5
41	28,500	8.35	47,500	13.92	53,750	15.75	2,233	3,946	4,706	10.1	17.9	21.3	3.5	10.5
42	28,800	8.44	48,000	14.07	54,500	15.97	2,262	3,997	4,775	10.2	18.1	21.6	3.5	10.5
43	29,250	8.57	48,750	14.29	55,250	16.19	2,305	4,073	4,845	10.4	18.4	21.9	3.5	10.5
44	29,700	8.70	49,500	14.51	56,000	16.41	2,348	4,149	4,914	10.6	18.8	22.3	3.5	10.5
45	30,150	8.84	50,250	14.73	56,750	16.63	2,392	4,226	4,984	10.8	19.1	22.6	3.5	10.5
46	30,600	8.97	51,000	14.95	57,500	16.85	2,436	4,303	5,053	11.0	19.5	22.9	3.5	10.5
47	31,050	9.10	51,750	15.17	58,250	17.07	2,480	4,381	5,123	11.2	19.8	23.2	3.5	10.5
48	31,500	9.23	52,500	15.39	59,000	17.29	2,525	4,460	5,193	11.4	20.2	23.5	3.5	10.5
49	31,950	9.36	53,250	15.61	59,000	17.29	2,568	4,537	5,193	11.6	20.5	23.5	3.4	10.5
50	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
51	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
52	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
53	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
54	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
55	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
56	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
57	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
58	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
59	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
60	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
61	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
62	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
63	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
64	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5
65	32,400	9.50	54,000	15.83	59,000	17.29	2,612	4,614	5,193	11.8	20.9	23.5	3.4	10.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:

LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.

²Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

³Wiring cable size must comply with the applicable local and national codes.

⁴The specification may be subject to change without prior notice for purpose of improvement.

⁵At least two indoor units must be connected.



Multi F and Multi F MAX with LGRED Heat Pump System Combination Data Manual

MULTI F WITH LGRED[®] MULTI F MAX WITH LGRED LMU480HHV
Rated Heating Combination Tables

Table 32: LMU480HHV with Mixed Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF
	Minimum		Rated		Maximum		Min.	Rated	Max.	Min.	Rated	Max.		
	Btu/h	kW	Btu/h	kW	Btu/h	kW								
18	12,420	3.64	20,700	6.07	23,800	6.98	754	1,331	1,854	3.4	6.0	8.4	4.6	11.8
19	13,230	3.88	22,050	6.46	25,256	7.40	810	1,432	1,978	3.7	6.5	9.0	4.5	11.7
20	14,040	4.11	23,400	6.86	26,711	7.83	868	1,534	2,104	3.9	6.9	9.5	4.5	11.7
21	14,850	4.35	24,750	7.25	28,167	8.26	928	1,639	2,232	4.2	7.4	10.1	4.4	11.6
22	15,660	4.59	26,100	7.65	29,622	8.68	988	1,745	2,360	4.5	7.9	10.7	4.4	11.6
23	16,470	4.83	27,450	8.05	31,078	9.11	1,049	1,854	2,491	4.8	8.4	11.3	4.3	11.5
24	17,280	5.06	28,800	8.44	32,533	9.53	1,112	1,965	2,623	5.0	8.9	11.9	4.3	11.5
25	18,090	5.30	30,150	8.84	33,989	9.96	1,176	2,078	2,756	5.3	9.4	12.5	4.3	11.5
26	18,900	5.54	31,500	9.23	35,444	10.39	1,242	2,194	2,891	5.6	9.9	13.1	4.2	11.4
27	19,710	5.78	32,850	9.63	36,900	10.81	1,308	2,312	3,028	5.9	10.5	13.7	4.2	11.4
28	20,520	6.01	34,200	10.02	38,356	11.24	1,377	2,432	3,166	6.2	11.0	14.3	4.1	11.3
29	21,330	6.25	35,550	10.42	39,811	11.67	1,446	2,555	3,306	6.5	11.6	15.0	4.1	11.3
30	22,140	6.49	36,900	10.81	41,267	12.09	1,517	2,681	3,448	6.9	12.1	15.6	4.0	11.3
31	22,950	6.73	38,250	11.21	42,722	12.52	1,590	2,809	3,591	7.2	12.7	16.3	4.0	11.2
32	23,760	6.96	39,600	11.61	44,178	12.95	1,664	2,940	3,736	7.5	13.3	16.9	3.9	11.2
33	24,570	7.20	40,950	12.00	45,633	13.37	1,740	3,075	3,884	7.9	13.9	17.6	3.9	11.1
34	25,380	7.44	42,300	12.40	47,089	13.80	1,818	3,212	4,032	8.2	14.5	18.3	3.9	11.1
35	26,190	7.68	43,650	12.79	48,544	14.23	1,897	3,352	4,183	8.6	15.2	18.9	3.8	11.0
36	27,000	7.91	45,000	13.19	50,000	14.65	1,979	3,496	4,338	9.0	15.8	19.6	3.8	11.0
37	27,300	8.00	45,500	13.34	50,750	14.87	1,987	3,553	4,402	9.0	16.1	19.9	3.8	11.0
38	27,600	8.09	46,000	13.48	51,500	15.09	2,020	3,611	4,469	9.1	16.4	20.2	3.7	11.0
39	27,900	8.18	46,500	13.63	52,250	15.31	2,052	3,669	4,536	9.3	16.6	20.5	3.7	11.0
40	28,200	8.26	47,000	13.77	53,000	15.53	2,085	3,729	4,603	9.4	16.9	20.8	3.7	11.0
41	28,500	8.35	47,500	13.92	53,750	15.75	2,119	3,789	4,670	9.6	17.2	21.1	3.7	11.0
42	28,800	8.44	48,000	14.07	54,500	15.97	2,179	3,849	4,737	9.9	17.4	21.5	3.7	11.0
43	29,250	8.57	48,750	14.29	55,250	16.19	2,225	3,931	4,804	10.1	17.8	21.8	3.6	11.0
44	29,700	8.70	49,500	14.51	56,000	16.41	2,272	4,014	4,871	10.3	18.2	22.1	3.6	10.9
45	30,150	8.84	50,250	14.73	56,750	16.63	2,320	4,098	4,938	10.5	18.6	22.4	3.6	10.9
46	30,600	8.97	51,000	14.95	57,500	16.85	2,368	4,183	5,005	10.7	18.9	22.7	3.6	10.8
47	31,050	9.10	51,750	15.17	58,250	17.07	2,416	4,268	5,072	10.9	19.3	23.0	3.6	10.8
48	31,500	9.23	52,500	15.39	59,000	17.29	2,465	4,355	5,139	11.2	19.7	23.3	3.5	10.8
49	31,950	9.36	53,250	15.61	59,000	17.29	2,509	4,433	5,139	11.4	20.1	23.3	3.5	10.8
50	32,400	9.50	54,000	15.83	59,000	17.29	2,553	4,510	5,139	11.6	20.4	23.3	3.5	10.8
51	32,400	9.50	54,000	15.83	59,000	17.29	2,553	4,510	5,139	11.6	20.4	23.3	3.5	10.8
52	32,400	9.50	54,000	15.83	59,000	17.29	2,553	4,510	5,139	11.6	20.4	23.3	3.5	10.8
53	32,400	9.50	54,000	15.83	59,000	17.29	2,553	4,510	5,139	11.6	20.4	23.3	3.5	10.8
54	32,400	9.50	54,000	15.83	59,000	17.29	2,553	4,510	5,139	11.6	20.4	23.3	3.5	10.8
55	32,400	9.50	54,000	15.83	59,000	17.29	2,553	4,510	5,139	11.6	20.4	23.3	3.5	10.8
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64	32,400	9.50	54,000	15.83	59,000	17.29	2,553	4,510	5,139	11.6	20.4	23.3	3.5	10.8
65	32,400	9.50	54,000	15.83	59,000	17.29	2,553	4,510	5,139	11.6	20.4	23.3	3.5	10.8

Combination Data

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Inverter

162279



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