



R32 **MULTI F**
MULTI F MAX
WITH **LGRED^o**
OUTDOOR UNIT
COMBINATION DATA MANUAL



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



**Five, Six, and Eight-Zone
Multi F MAX**

Multi-Zone Heat Pump Outdoor Units

1.5 to 4 Tons

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	IDU Nominal Capacity (Btu/h)	KUMXA181A	KUMXA241A	KUMXA301A
		Maximum No. of Connectable Indoor Units		
		2	3	4
ART COOL Mirror	9,000	0	0	0
	12,000	0	0	0
	18,000	-	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
Convertible Mid Static Duct	9,000	0	0	0
	12,000	0	0	0
	18,000	-	0	0
	24,000	-	-	0
Ceiling Concealed Mid Static Duct	30,000	-	-	-
	36,000	-	-	-
One-Way / Four-Way Ceiling Cassette	7,000	0	0	0
	9,000	0	0	0
	12,000	0	0	0
	18,000	-	0	0
Low-Wall Console	9,000	0	0	0
	12,000	0	0	0
	15,000	0	0	0
Multi-Position Air Handling Unit	12,000	0	0	0
	18,000	-	0	0
	24,000	-	-	0
	30,000	-	-	-
	36,000	-	-	-

Figure 1: Dual-Zone (KUMXA181A) Multi F with LGRED System — Mix and match for 14,000-24,000 Btu/h.

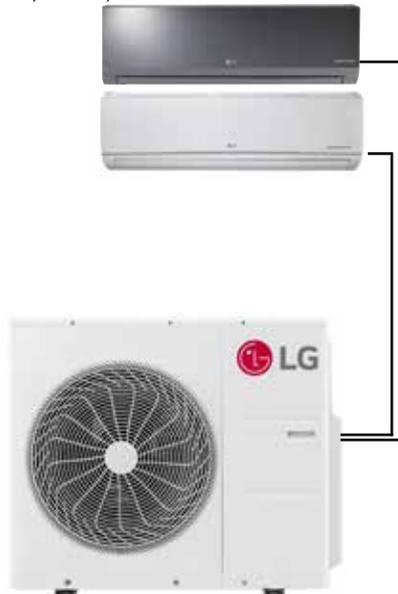


Figure 2: Tri-Zone (KUMXA241A) Multi F with LGRED System — Mix and match for 14,000-33,000 Btu/h.



Figure 3: Quad-Zone (KUMXA301A) Multi F with LGRED System — Mix and match for 14,000-40,000 Btu/h.



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

Indoor Units		Outdoor Units		
Model Type	IDU Nominal Capacity (Btu/h)	KUMXA361A	KUMXA421A	KUMXA481A
		Maximum No. of Connectable Indoor Units		
ART COOL Mirror	9,000	5	6	8
	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
Ceiling Concealed Duct-Low Static	24,000	0	0	0
	9,000	0	0	0
	12,000	0	0	0
	18,000	0	0	0
Convertible Mid Static Duct	9,000	0	0	0
	12,000	0	0	0
	18,000	0	0	0
	24,000	0	0	0
Ceiling Concealed Mid Static Duct	30,000	0	0	0
	36,000	0	0	0
One-Way / Four-Way Ceiling Cassette	7,000	0	0	0
	9,000	0	0	0
	12,000	0	0	0
	18,000	0	0	0
Low-Wall Console	9,000	0	0	0
	12,000	0	0	0
	15,000	0	0	0
Multi-Position Air Handling Unit	12,000	0	0	0
	18,000	0	0	0
	24,000	0	0	0
	30,000	0	0	0
	36,000	0	0	0

Figure 4: KUMXA361A (18,000-48,000 Btu/h), KUMXA421A (18,000-56,000 Btu/h), and KUMXA481A (18,000-65,000 Btu/h) Multi F MAX with LGRED Systems.



MULTI F WITH LGRED KUMXA181A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

Table 3: KUMXA181A 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)			EER2	SEER2
										Minimum		Rated		Maximum		Min.	Rated	Max.		
	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)	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	2.46	14,000	4.10	16,800	4.92	875	1,249	1,749	11.2	16.6
	7	9	-	-	16	7,000	9,000	-	-	9,600	2.81	16,000	4.69	19,200	5.63	903	1,290	1,806	12.4	18.3
	9	9	-	-	18	9,000	9,000	-	-	10,800	3.16	18,000	5.28	19,980	5.57	931	1,330	1,862	13.5	20.0
	7	12	-	-	19	6,632	11,368	-	-	10,800	3.17	18,000	5.28	19,980	5.86	931	1,330	1,862	13.5	20.0
	9	12	-	-	21	7,714	10,286	-	-	10,800	3.16	18,000	5.28	19,980	5.57	931	1,330	1,862	13.5	20.0
	7	15	-	-	22	5,727	12,273	-	-	10,800	3.17	18,000	5.28	19,980	5.86	931	1,330	1,862	13.5	20.0
	9	15	-	-	24	6,750	11,250	-	-	10,800	3.17	18,000	5.28	19,980	5.86	931	1,330	1,862	13.5	20.0
	12	12	-	-	24	9,000	9,000	-	-	10,800	3.16	18,000	5.28	19,980	5.57	931	1,330	1,862	13.5	20.0
<i>Ducted Indoor Units</i>																				
Two Units	9	9	-	-	18	8,600	8,600	-	-	10,320	3.16	17,200	5.04	19,000	5.57	1,001	1,430	2,002	12.0	17.0
	9	12*	-	-	21	7,371	9,829	-	-	10,320	3.16	17,200	5.04	19,000	5.57	1,001	1,430	2,002	12.0	17.0
	12*	12*	-	-	24	8,600	8,600	-	-	10,320	3.16	17,200	5.04	19,000	5.57	1,001	1,430	2,002	12.0	17.0
<i>Mixed Indoor Units</i>																				
Two Units	7	9	-	-	16	6,891	8,859	-	-	9,450	2.77	15,750	4.62	19,000	5.57	934	1,335	1,868	11.8	17.1
	9	9	-	-	18	8,800	8,800	-	-	10,560	3.16	17,600	5.16	19,000	5.57	966	1,380	1,932	12.8	18.5
	7	12	-	-	19	6,484	11,116	-	-	10,560	3.09	17,600	5.16	19,000	5.57	966	1,380	1,932	12.8	18.5
	9	12*	-	-	21	7,543	10,057	-	-	10,560	3.16	17,600	5.16	19,000	5.57	966	1,380	1,932	12.8	18.5
	9*	15	-	-	24	6,600	11,000	-	-	10,560	3.09	17,600	5.16	19,000	5.57	966	1,380	1,932	12.8	18.5
	12*	12*	-	-	24	8,800	8,800	-	-	10,560	3.16	17,600	5.16	19,000	5.57	966	1,380	1,932	12.8	18.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.

Table 4: KUMXA181A 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	HSPF2
										Minimum		Rated		Maximum		Min.	Rated	Max.		
	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)	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	3.00	17,080	5.01	19,642	5.76	1,001	1,430	2,002	3.5	8.7
	7	9	-	-	16	8,540	10,980	-	-	11,712	3.43	19,520	5.72	22,448	6.58	1,127	1,610	2,254	3.6	8.9
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,253	1,790	2,506	3.6	9.0
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,253	1,790	2,506	3.6	9.0
	9	12	-	-	21	9,429	12,571	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,253	1,790	2,506	3.6	9.0
	7	15	-	-	22	7,000	15,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,253	1,790	2,506	3.6	9.0
	9	15	-	-	24	8,250	13,750	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,253	1,790	2,506	3.6	9.0
	12	12	-	-	24	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,253	1,790	2,506	3.6	9.0
<i>Ducted Indoor Units</i>																				
Two Units	9	9	-	-	18	11000	11000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1344	1,920	2,688	3.4	9.0
	9	12*	-	-	21	9429	12571	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1344	1,920	2,688	3.4	9.0
	12*	12*	-	-	24	11000	11000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1344	1,920	2,688	3.4	9.0
<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	1,173	1,675	2,345	3.4	8.8
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,299	1,855	2,597	3.5	9.0
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,299	1,855	2,597	3.5	9.0
	9	12*	-	-	21	9,429	12,571	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,299	1,855	2,597	3.5	9.0
	9*	15	-	-	24	8,250	13,750	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,299	1,855	2,597	3.5	9.0
	12*	12*	-	-	24	11,000	11,000	-	-	13,200	3.87	22,000	6.45	24,000	7.03	1,299	1,855	2,597	3.5	9.0

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 16.4 ft. x 4 = 65.6 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.

MULTI F WITH LGRED KUMXA241A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

Table 5: KUMXA241A 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)			EER2	SEER2
										Minimum		Rated		Maximum		Min.	Rated	Max.		
	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)	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	2.46	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	30,000	8.79	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	30,000	8.79	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	30,000	8.79	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	30,000	8.79	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	30,000	8.79	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	30,000	8.79	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	30,000	8.79	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	30,000	8.79	1,319	1,884	2,638	12.7	19.8	
Three Units	7	7	7	-	21	7,000	7,000	7,000	-	12,600	3.69	21,000	6.15	26,250	7.69	1,179	1,684	2,358	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	2,376	13.0	20.3
	7	9	9	-	25	6,720	8,640	8,640	-	14,400	4.22	24,000	7.03	30,000	8.79	1,246	1,780	2,492	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	1,246	1,780	2,492	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	1,246	1,780	2,492	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	1,246	1,780	2,492	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	1,246	1,780	2,492	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	1,246	1,780	2,492	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	1,246	1,780	2,492	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	1,246	1,780	2,492	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	1,246	1,780	2,492	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	1,246	1,780	2,492	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	1,246	1,780	2,492	13.5	21.0	
<i>Ducted Indoor Units</i>																				
Two Units	9	9	-	-	18	8,650	8,650	-	-	10,380	3.04	17,300	5.07	20,760	6.08	1,127	1,611	2,255	10.7	15.9
	9	12	-	-	21	8,421	11,229	-	-	11,790	3.46	19,650	5.76	23,580	6.91	1,180	1,685	2,359	11.7	17.3
	12	12	-	-	24	11,000	11,000	-	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,658	12.5	18.5
	9	18	-	-	27	7,333	14,667	-	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,658	12.5	18.5
	12*	18*	-	-	30	8,800	13,200	-	-	13,200	3.87	22,000	6.45	27,500	8.06	1,232	1,760	2,658	12.5	18.5
Three Units	9	9	9	-	27	7,333	7,333	7,333	-	13,200	3.87	22,000	6.45	27,500	8.06	1,253	1,760	2,508	12.5	18.5
	9	9*	12*	-	30	6,600	6,600	8,800	-	13,200	3.87	22,000	6.45	27,500	8.06	1,253	1,760	2,508	12.5	18.5
	9*	12*	12*	-	33	6,000	8,000	8,000	-	13,200	3.87	22,000	6.45	27,500	8.06	1,253	1,760	2,508	12.5	18.5

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.

R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

Table 6: KUMXA241A with Mixed Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER2	SEER2	
										Minimum		Rated		Maximum		Min.	Rated	Max.			
	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)	Btu/h	kW	Btu/h	kW	Btu/h	kW						
<i>Mixed Indoor Units</i>																					
Two Units	7	9	-	-	16	6,942	8,925	-	-	9,520	2.79	15,867	4.65	19,040	5.58	1,035	1,479	2,070	10.7	16.3	
	9	9	-	-	18	8,825	8,825	-	-	10,590	3.10	17,650	5.17	21,180	6.21	1,108	1,583	2,217	11.2	17.0	
	7	12	-	-	19	6,831	11,711	-	-	11,125	3.26	18,542	5.43	22,250	6.52	1,136	1,623	2,272	11.4	17.4	
	9	12	-	-	21	8,711	11,614	-	-	12,195	3.57	20,325	5.96	24,390	7.15	1,192	1,703	2,384	11.9	18.1	
	9	15	-	-	24	8,625	14,375	-	-	13,800	4.04	23,000	6.74	28,750	8.43	1,275	1,822	2,648	12.6	19.2	
	12	12	-	-	24	11,500	11,500	-	-	13,800	4.04	23,000	6.74	28,750	8.43	1,275	1,822	2,648	12.6	19.2	
	7	18	-	-	25	6,440	16,560	-	-	13,800	4.04	23,000	6.74	28,750	8.43	1,275	1,822	2,648	12.6	19.2	
	9	18	-	-	27	7,667	15,333	-	-	13,800	4.04	23,000	6.74	28,750	8.43	1,275	1,822	2,648	12.6	19.2	
	12	15	-	-	27	10,222	12,778	-	-	13,800	4.04	23,000	6.74	28,750	8.43	1,275	1,822	2,648	12.6	19.2	
	12*	18*	-	-	30	9,200	13,800	-	-	13,800	4.04	23,000	6.74	28,750	8.43	1,275	1,822	2,648	12.6	19.2	
	15	18*	-	-	33	10,455	12,545	-	-	13,800	4.04	23,000	6.74	28,750	8.43	1,275	1,822	2,648	12.6	19.2	
	Three Units	7	7	9		23	6,440	6,440	8,280	-	12,696	3.72	21,160	6.20	26,450	7.75	1,189	1,699	2,378	12.5	18.9
		7	9	9		25	6,440	8,280	8,280	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8
		7	7	12		26	6,192	6,192	10,615	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8
		9	9	9	-	27	7,667	7,667	7,667	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8
7		9	12*		28	5,750	7,393	9,857	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8	
9		9*	12*	-	30	6,900	6,900	9,200	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8	
7		9*	15		31	5,194	6,677	11,129	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8	
7		12*	12*		31	5,194	8,903	8,903	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8	
7		7	18*		32	5,031	5,031	12,938	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8	
9*		9*	15		33	6,273	6,273	10,455	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8	
9*		12*	12*	-	33	6,273	8,364	8,364	-	13,800	4.04	23,000	6.74	28,750	8.43	1,250	1,770	2,500	13.0	19.8	

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
 KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
 KUMXA301A: 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.

MULTI F WITH LGRED KUMXA241A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Heating Combination Table

Table 7: KUMXA241A 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	HSPF2
	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	3.00	17,080	5.01	19,642	5.76	1,233	1,761	2,465	2.8	7.6
	7	9	-	-	16	8,540	10,980	-	-	11,712	3.43	19,520	5.72	22,448	6.58	1,295	1,850	2,590	3.1	8.2
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,389	1,951	2,777	3.3	8.8
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,389	1,951	2,777	3.3	8.8
	9	12	-	-	21	9,996	13,328	-	-	13,994	4.10	23,324	6.84	26,823	7.86	1,451	1,996	2,902	3.4	9.2
	7	15	-	-	22	7,705	16,511	-	-	14,530	4.26	24,216	7.10	27,848	8.16	1,482	2,029	2,965	3.5	9.4
	9	15	-	-	24	9,750	16,250	-	-	15,600	4.57	26,000	7.62	31,200	9.14	1,545	2,207	3,090	3.5	9.3
	12	12	-	-	24	13,000	13,000	-	-	15,600	4.57	26,000	7.62	31,200	9.14	1,545	2,207	3,090	3.5	9.3
	7	18	-	-	25	7,280	18,720	-	-	15,600	4.57	26,000	7.62	31,200	9.14	1,545	2,207	3,090	3.5	9.3
	9	18	-	-	27	8,667	17,333	-	-	15,600	4.57	26,000	7.62	31,200	9.14	1,545	2,207	3,090	3.5	9.3
	12	15	-	-	27	11,556	14,444	-	-	15,600	4.57	26,000	7.62	31,200	9.14	1,545	2,207	3,090	3.5	9.3
	12	18	-	-	30	10,400	15,600	-	-	15,600	4.57	26,000	7.62	31,200	9.14	1,545	2,207	3,090	3.5	9.3
15	15	-	-	30	13,000	13,000	-	-	15,600	4.57	26,000	7.62	31,200	9.14	1,545	2,207	3,090	3.5	9.3	
15	18	-	-	33	11,818	14,182	-	-	15,600	4.57	26,000	7.62	31,200	9.14	1,545	2,207	3,090	3.5	9.3	
Three Units	7	7	7	-	21	7,280	7,280	7,280	-	13,104	3.84	21,840	6.40	26,208	7.68	1,364	1,949	2,728	3.3	8.8
	7	7	9	-	23	7,280	7,280	9,360	-	14,352	4.21	23,920	7.01	28,704	8.41	1,410	2,014	2,820	3.5	9.3
	7	9	9	-	25	7,280	9,360	9,360	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
	7	7	12	-	26	7,000	7,000	12,000	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
	9	9	9	-	27	8,667	8,667	8,667	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
	7	9	12	-	28	6,500	8,357	11,143	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
	7	7	15	-	29	6,276	6,276	13,448	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
	9	9	12	-	30	7,800	7,800	10,400	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
	7	9	15	-	31	5,871	7,548	12,581	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
	7	12	12	-	31	5,871	10,065	10,065	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
	7	7	18	-	32	5,688	5,688	14,625	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
	9	9	15	-	33	7,091	7,091	11,818	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8
9	12	12	-	33	7,091	9,455	9,455	-	15,600	4.57	26,000	7.62	31,200	9.14	1,456	2,080	2,912	3.7	9.8	
<i>Ducted Indoor Units</i>																				
Two Units	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,343	1,918	2,716	3.4	8.8
	9	12	-	-	21	9,429	12,571	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,343	1,918	2,716	3.4	8.8
	12	12	-	-	24	12,000	12,000	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,358	1,940	2,773	3.6	9.5
	9	18	-	-	27	8,000	16,000	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,358	1,940	2,773	3.6	9.5
	12*	18*	-	-	30	9,600	14,400	-	-	14,400	4.22	24,000	7.03	28,800	8.44	1,358	1,940	2,773	3.6	9.5
Three Units	9	9	9	-	27	8,000	8,000	8,000	-	14,400	4.22	24,000	7.03	28,800	8.44	1,358	1,940	2,773	3.6	9.5
	9	9*	12*	-	30	7,200	7,200	9,600	-	14,400	4.22	24,000	7.03	28,800	8.44	1,358	1,940	2,773	3.6	9.5
	9*	12*	12*	-	33	6,545	8,727	8,727	-	14,400	4.22	24,000	7.03	28,800	8.44	1,358	1,940	2,773	3.6	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:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 16.4 ft. x 4 = 65.6 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.

R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

Table 8: KUMXA241A with Mixed Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			COP	HSPF2
										Minimum		Rated		Maximum		Min.	Rated	Max.		
	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)	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	1,280	1,829	2,560	3.1	8.2
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,366	1,935	2,747	3.3	8.8
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.87	22,000	6.45	25,300	7.42	1,366	1,935	2,747	3.3	8.8
	9	12	-	-	21	9,712	12,950	-	-	13,597	3.99	22,662	6.64	26,061	7.64	1,397	1,957	2,755	3.4	9.0
	9	15	-	-	24	9,375	15,625	-	-	15,000	4.40	25,000	7.33	30,000	8.79	1,451	2,074	2,931	3.5	9.4
	12	12	-	-	24	12,500	12,500	-	-	15,000	4.40	25,000	7.33	30,000	8.79	1,451	2,074	2,931	3.5	9.4
	7	18	-	-	25	7,000	18,000	-	-	15,000	4.40	25,000	7.33	30,000	8.79	1,451	2,074	2,931	3.5	9.4
	9	18	-	-	27	8,333	16,667	-	-	15,000	4.40	25,000	7.33	30,000	8.79	1,451	2,074	2,931	3.5	9.4
	12	15	-	-	27	11,111	13,889	-	-	15,000	4.40	25,000	7.33	30,000	8.79	1,451	2,074	2,931	3.5	9.4
	12*	18*	-	-	30	10,000	15,000	-	-	15,000	4.40	25,000	7.33	30,000	8.79	1,451	2,074	2,931	3.5	9.4
15	18*	-	-	33	11,364	13,636	-	-	15,000	4.40	25,000	7.33	30,000	8.79	1,451	2,074	2,931	3.5	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	1,360	1,943	2,720	3.5	9.2
	7	9	9		25	7,000	9,000	9,000	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7
	7	7	12		26	6,731	6,731	11,538	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7
	9	9	9		27	8,333	8,333	8,333	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7
	7	9	12*		28	6,250	8,036	10,714	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7
	9	9*	12*		30	7,500	7,500	10,000	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7
	7	9*	15		31	5,645	7,258	12,097	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7
	7	12*	12*		31	5,645	9,677	9,677	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7
	7	7	18*		32	5,469	5,469	14,063	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7
	9*	9*	15		33	6,818	6,818	11,364	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7
9*	12*	12*		33	6,818	9,091	9,091	-	15,000	4.40	25,000	7.33	30,000	8.79	1,407	2,010	2,814	3.6	9.7	

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
 KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
 KUMXA301A: 16.4 ft. x 4 = 65.6 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.

MULTI F WITH LGRED KUMXA301A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

Table 9: KUMXA301A with Non-Ducted Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER2	SEER2
										Minimum		Rated		Maximum		Min.	Rated	Max.		
	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)	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	2.50	14,000	4.10	15,540	4.60	945	1,350	1,891	10.4	16.6
	7	9	-	-	16	7,000	9,000	-	-	9,600	2.80	16,000	4.70	17,760	5.20	1,038	1,483	2,076	10.8	17.3
	9	9	-	-	18	9,000	9,000	-	-	10,800	3.20	18,000	5.30	19,980	5.90	1,130	1,615	2,261	11.1	17.8
	7	12	-	-	19	7,000	12,000	-	-	11,400	3.30	19,000	5.60	21,090	6.20	1,177	1,681	2,353	11.3	18.1
	9	12	-	-	21	9,000	12,000	-	-	12,600	3.70	21,000	6.20	23,310	6.80	1,269	1,813	2,539	11.6	18.5
	7	15	-	-	22	7,000	15,000	-	-	13,200	3.90	22,000	6.40	24,420	7.20	1,316	1,879	2,631	11.7	18.7
	9	15	-	-	24	9,000	15,000	-	-	14,400	4.20	24,000	7.00	26,640	7.80	1,434	2,048	2,867	11.7	18.8
	12	12	-	-	24	12,000	12,000	-	-	14,400	4.20	24,000	7.00	26,640	7.80	1,434	2,048	2,867	11.7	18.8
	7	18	-	-	25	6,879	17,688	-	-	14,740	4.30	24,567	7.20	28,252	8.30	1,464	2,092	2,929	11.7	18.8
	9	18	-	-	27	8,567	17,133	-	-	15,420	4.50	25,700	7.50	29,823	8.70	1,530	2,185	3,059	11.8	18.8
	12	15	-	-	27	11,422	14,278	-	-	15,420	4.50	25,700	7.50	29,823	8.70	1,530	2,185	3,059	11.8	18.8
	12	18	-	-	30	11,360	17,040	-	-	17,040	5.00	28,400	8.30	34,080	10.00	1,686	2,408	3,372	11.8	18.9
	15	15	-	-	30	14,200	14,200	-	-	17,040	5.00	28,400	8.30	34,080	10.00	1,686	2,408	3,372	11.8	18.9
	7	24	-	-	31	6,413	21,987	-	-	17,040	5.00	28,400	8.30	34,080	10.00	1,686	2,408	3,372	11.8	18.9
	9	24	-	-	33	7,745	20,655	-	-	17,040	5.00	28,400	8.30	34,080	10.00	1,686	2,408	3,372	11.8	18.9
15	18	-	-	33	12,909	15,491	-	-	17,040	5.00	28,400	8.30	34,080	10.00	1,686	2,408	3,372	11.8	18.9	
18	18	-	-	36	14,200	14,200	-	-	17,040	5.00	28,400	8.30	34,080	10.00	1,686	2,408	3,372	11.8	18.9	
12	24	-	-	36	9,467	18,933	-	-	17,040	5.00	28,400	8.30	34,080	10.00	1,686	2,408	3,372	11.8	18.9	
15	24	-	-	39	10,923	17,477	-	-	17,040	5.00	28,400	8.30	34,080	10.00	1,686	2,408	3,372	11.8	18.9	
Three Units	7	7	7	-	21	7,000	7,000	7,000	-	12,600	3.70	21,000	6.20	24,150	7.10	1,177	1,681	2,353	12.5	20.0
	7	7	9	-	23	6,892	6,892	8,861	-	13,587	4.00	22,644	6.60	26,041	7.60	1,269	1,812	2,537	12.5	20.0
	7	9	9	-	25	6,879	8,844	8,844	-	14,740	4.30	24,567	7.20	28,252	8.30	1,376	1,966	2,752	12.5	20.0
	7	7	12	-	26	6,761	6,761	11,590	-	15,067	4.40	25,111	7.40	28,878	8.50	1,407	2,009	2,813	12.5	20.0
	9	9	9	-	27	8,644	8,644	8,644	-	15,560	4.60	25,933	7.60	29,823	8.70	1,453	2,075	2,905	12.5	20.0
	7	9	12	-	28	6,689	8,600	11,467	-	16,053	4.70	26,756	7.80	30,769	9.00	1,498	2,141	2,997	12.5	20.0
	7	7	15	-	29	6,657	6,657	14,264	-	16,547	4.80	27,578	8.10	31,714	9.30	1,544	2,206	3,089	12.5	20.0
	9	9	12	-	30	8,520	8,520	11,360	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	9	15	-	31	6,413	8,245	13,742	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	12	12	-	31	6,413	10,994	10,994	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	7	18	-	32	6,213	6,213	15,975	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	9	9	15	-	33	7,745	7,745	12,909	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	9	12	12	-	33	7,745	10,327	10,327	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	9	18	-	34	5,847	7,518	15,035	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	12	15	-	34	5,847	10,024	12,529	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	9	9	18	-	36	7,100	7,100	14,200	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	9	12	15	-	36	7,100	9,467	11,833	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	12	12	12	-	36	9,467	9,467	9,467	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	12	18	-	37	5,373	9,211	13,816	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	15	15	-	37	5,373	11,514	11,514	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	7	24	-	38	5,232	5,232	17,937	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
9	12	18	-	39	6,554	8,738	13,108	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0	
9	15	15	-	39	6,554	10,923	10,923	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0	
12	12	15	-	39	8,738	8,738	10,923	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0	
7	9	24	-	40	4,970	6,390	17,040	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0	
7	15	18	-	40	4,970	10,650	12,780	-	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	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:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 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 should be connected.



Table 10: KUMXA301A 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)			EER2	SEER2
										Minimum		Rated		Maximum		Min.	Rated	Max.		
	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)	Btu/h	kW	Btu/h	kW	Btu/h	kW					
<i>Non-Ducted Indoor Units</i>																				
Four Units	7	7	7	7	28	6,689	6,689	6,689	6,689	16,053	4.70	26,756	7.80	32,107	9.40	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	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	7	9	9	32	6,213	6,213	7,988	7,988	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	7	7	12	33	6,024	6,024	6,024	10,327	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	9	9	9	34	5,847	7,518	7,518	7,518	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	7	9	12	35	5,680	5,680	7,303	9,737	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	7	7	15	36	5,522	5,522	5,522	11,833	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	9	9	9	9	36	7,100	7,100	7,100	7,100	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	9	9	12	37	5,373	6,908	6,908	9,211	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	7	9	15	38	5,232	5,232	6,726	11,211	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	7	12	12	38	5,232	5,232	8,968	8,968	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	7	7	7	18	39	5,097	5,097	5,097	13,108	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
	9	9	9	12	39	6,554	6,554	6,554	8,738	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0
7	9	9	15	40	4,970	6,390	6,390	10,650	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0	
7	9	12	12	40	4,970	6,390	8,520	8,520	17,040	5.00	28,400	8.30	34,080	10.00	1,590	2,270	3,181	12.5	20.0	
<i>Ducted Indoor Units</i>																				
Two Units	9	9	-	-	18	8,250	8,250	-	-	9,900	2.90	16,500	4.80	18,315	5.40	1,169	1,496	2,338	11.0	16.5
	9	12	-	-	21	7,867	10,489	-	-	11,014	3.20	18,356	5.40	20,375	6.00	1,300	1,664	2,599	11.0	16.5
	12	12	-	-	24	10,219	10,219	-	-	12,263	3.60	20,438	6.00	22,686	6.60	1,446	1,853	2,892	11.0	16.5
	9	18	-	-	27	7,506	15,013	-	-	13,511	4.00	22,519	6.60	25,300	7.40	1,592	2,042	3,184	11.0	16.5
	12	18	-	-	30	9,840	14,760	-	-	14,760	4.30	24,600	7.20	29,520	8.70	1,739	2,230	3,477	11.0	16.5
18*	18*	-	-	36	12,300	12,300	-	-	14,760	4.30	24,600	7.20	29,520	8.70	1,739	2,230	3,477	11.0	16.6	
Three Units	9	9	9	-	27	7,333	7,333	7,333	-	13,200	3.90	22,000	6.40	25,300	7.40	1,470	1,885	2,935	11.7	18.5
	9	9	12	-	30	7,380	7,380	9,840	-	14,760	4.30	24,600	7.20	29,520	8.70	1,640	2,110	3,280	11.7	18.5
	9	12	12*	-	33	6,709	8,945	8,945	-	14,760	4.30	24,600	7.20	29,520	8.70	1,640	2,110	3,280	11.7	18.5
	9	9*	18*	-	36	6,150	6,150	12,300	-	14,760	4.30	24,600	7.20	29,520	8.70	1,640	2,110	3,280	11.7	18.5
	12	12*	12*	-	36	8,200	8,200	8,200	-	14,760	4.30	24,600	7.20	29,520	8.70	1,640	2,110	3,280	11.7	18.5
Four Units	9*	12*	18*	-	39	5,677	7,569	11,354	-	14,760	4.30	24,600	7.20	29,520	8.70	1,640	2,110	3,280	11.7	18.5
	9	9*	9*	9*	36	6,150	6,150	6,150	6,150	14,760	4.30	24,600	7.20	29,520	8.70	1,640	2,110	3,280	11.7	18.5
9*	9*	9*	12*	39	5,677	5,677	5,677	7,569	14,760	4.30	24,600	7.20	29,520	8.70	1,640	2,110	3,280	11.7	18.5	
<i>Mixed Indoor Units</i>																				
Two Units	7	9	-	-	16	6,891	8,859	-	-	9,450	2.80	15,750	4.60	18,900	5.50	1,055	1,428	2,068	10.9	16.8
	9	9	-	-	18	8,625	8,625	-	-	10,350	3.00	17,250	5.10	19,148	5.60	1,150	1,555	2,299	11.1	17.7
	7	12	-	-	19	6,626	11,359	-	-	10,791	3.20	17,984	5.30	19,963	5.90	1,133	1,619	2,267	11.1	17.7
	9	12	-	-	21	8,433	11,245	-	-	11,807	3.50	19,678	5.80	21,843	6.40	1,285	1,739	2,569	11.3	18.0
	9	15	-	-	24	8,332	13,887	-	-	13,331	3.90	22,219	6.50	24,663	7.20	1,369	1,955	2,738	11.3	18.1
	12	12	-	-	24	11,109	11,109	-	-	13,331	3.90	22,219	6.50	24,663	7.20	1,369	1,955	2,738	11.3	18.1
	7	18	-	-	25	6,398	16,451	-	-	13,709	4.00	22,849	6.70	25,854	7.60	1,406	2,008	2,811	11.4	18.1
	9	18	-	-	27	8,037	16,073	-	-	14,466	4.20	24,110	7.10	27,562	8.10	1,561	2,114	3,122	11.4	18.2
	12	15	-	-	27	10,715	13,394	-	-	14,466	4.20	24,109	7.10	27,562	8.10	1,561	2,114	3,122	11.4	18.2
	12	18	-	-	30	10,600	15,900	-	-	15,900	4.70	26,500	7.80	31,800	9.30	1,712	2,319	3,424	11.4	18.2
	7	24	-	-	31	5,984	20,516	-	-	15,900	4.70	26,500	7.80	31,800	9.30	1,712	2,319	3,424	11.4	18.2
	9	24*	-	-	33	7,227	19,273	-	-	15,900	4.70	26,500	7.80	31,800	9.30	1,712	2,319	3,424	11.4	18.2
	15	18	-	-	33	12,045	14,455	-	-	15,900	4.70	26,500	7.80	31,800	9.30	1,712	2,319	3,424	11.4	18.2
	18*	18*	-	-	36	13,250	13,250	-	-	15,900	4.70	26,500	7.80	31,800	9.30	1,712	2,319	3,424	11.4	17.7
	12*	24*	-	-	36	8,833	17,667	-	-	15,900	4.70	26,500	7.80	30,693	9.00	1,712	2,319	3,424	11.4	18.2

*Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.

MULTI F WITH LGRED KUMXA301A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

Table 11: KUMXA301A with Mixed Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER2	SEER2
										Minimum		Rated		Maximum		Min.	Rated	Max.		
	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)	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	3.60	20,589	6.00	23,677	6.90	1,252	1,698	2,495	12.1	19.2
	7	9	9	-	25	6,238	8,020	8,020	-	13,367	3.90	22,278	6.50	25,620	7.50	1,357	1,841	2,705	12.1	19.2
	7	7	12	-	26	6,225	6,225	10,672	-	13,873	4.10	23,122	6.80	26,591	7.80	1,409	1,909	2,808	12.1	19.2
	9	9	9	-	27	7,989	7,989	7,989	-	14,380	4.20	23,967	7.00	27,562	8.10	1,461	1,980	2,920	12.1	19.2
	7	9	12	-	28	6,203	7,975	10,633	-	14,887	4.40	24,811	7.30	28,533	8.40	1,513	2,050	3,017	12.1	19.2
	9	9	12	-	30	7,950	7,950	10,600	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	9	15	-	31	5,984	7,694	12,823	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	12	12	-	31	5,984	10,258	10,258	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	7	18	-	32	5,797	5,797	14,906	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	9	9	15	-	33	7,227	7,227	12,045	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	9	12	12	-	33	7,227	9,636	9,636	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	9	18	-	34	5,456	7,015	14,029	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	12	15	-	34	5,456	9,353	11,691	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	9	9*	18*	-	36	6,625	6,625	13,250	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	9*	12*	15	-	36	6,625	8,833	11,042	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	12	12*	12*	-	36	8,833	8,833	8,833	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	12*	18*	-	37	5,014	8,595	12,892	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
9*	12*	18*	-	39	6,115	8,154	12,231	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3	
9*	15	15	-	39	6,115	10,192	10,192	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3	
12*	12*	15	-	39	8,154	8,154	10,192	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3	
7	9	24*	-	40	4,638	5,963	15,900	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3	
7	15*	18*	-	40	4,638	9,938	11,925	-	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3	
Four Units	7	7	7	9	30	6,183	6,183	6,183	7,950	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	7	9	9	32	5,797	5,797	7,453	7,453	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	7	7	12	33	5,621	5,621	5,621	9,636	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	9	9	9*	34	5,456	7,015	7,015	7,015	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	7	9	12*	35	5,300	5,300	6,814	9,086	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	9	9*	9*	9*	36	6,625	6,625	6,625	6,625	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	9	9*	12*	37	5,014	6,446	6,446	8,595	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	7	9*	15	38	4,882	4,882	6,276	10,461	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	7	12*	12*	38	4,882	4,882	8,368	8,368	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	7	7	18*	39	4,756	4,756	4,756	12,231	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	9*	9*	9*	12*	39	6,115	6,115	6,115	8,154	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	9*	9*	15	40	4,638	5,963	5,963	9,938	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	19.3
	7	9*	12*	12*	40	4,638	5,963	7,950	7,950	15,900	4.70	26,500	7.80	31,800	9.30	1,615	2,191	3,230	12.1	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:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.



R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

Table 12: KUMXA301A 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	HSPF2
										Minimum		Rated		Maximum		Min.	Rated	Max.		
	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)	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	5.00	18,788	5.50	1,299	1,856	2,599	2.7	7.3
	7	9	-	-	16	8,540	10,980	-	-	11,712	3.40	19,520	5.70	21,472	6.30	1,353	1,933	2,706	3.0	8.0
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.90	22,000	6.40	24,200	7.10	1,433	2,047	2,866	3.1	8.6
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.90	22,000	6.40	24,200	7.10	1,433	2,047	2,866	3.1	8.6
	9	12	-	-	21	9,996	13,328	-	-	13,994	4.10	23,324	6.80	25,656	7.50	1,487	2,124	2,974	3.2	8.7
	7	15	-	-	22	7,705	16,511	-	-	14,530	4.30	24,216	7.10	26,638	7.80	1,513	2,162	3,027	3.3	8.6
	9	15	-	-	24	9,750	16,250	-	-	15,600	4.60	26,000	7.60	28,600	8.40	1,594	2,277	3,188	3.3	8.8
	12	12	-	-	24	13,000	13,000	-	-	15,600	4.60	26,000	7.60	28,600	8.40	1,594	2,277	3,188	3.3	8.8
	7	18	-	-	25	7,280	18,720	-	-	15,600	4.60	26,000	7.60	29,900	8.80	1,594	2,277	3,188	3.3	8.8
	9	18	-	-	27	9,193	18,385	-	-	16,547	4.80	27,578	8.10	31,372	9.20	1,660	2,372	3,321	3.4	8.9
	12	15	-	-	27	12,257	15,321	-	-	16,547	4.80	27,578	8.10	31,372	9.20	1,660	2,372	3,321	3.4	8.9
	12	18	-	-	30	12,000	18,000	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,744	2,491	3,487	3.5	9.3
	15	15	-	-	30	15,000	15,000	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,744	2,491	3,487	3.5	9.3
	7	24	-	-	31	6,774	23,226	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,744	2,491	3,487	3.5	9.3
	9	24	-	-	33	8,182	21,818	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,744	2,491	3,487	3.5	9.3
15	18	-	-	33	13,636	16,364	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,744	2,491	3,487	3.5	9.3	
18	18	-	-	36	15,000	15,000	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,744	2,491	3,487	3.5	9.3	
12	24	-	-	36	10,000	20,000	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,744	2,491	3,487	3.5	9.3	
15	24	-	-	39	11,538	18,462	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,744	2,491	3,487	3.5	9.3	
Three Units	7	7	7	-	21	7,280	7,280	7,280	-	13,104	3.80	21,840	6.40	25,116	7.40	1,385	1,979	2,770	3.2	8.5
	7	7	9	-	23	7,280	7,280	9,360	-	14,352	4.20	23,920	7.00	27,508	8.10	1,443	2,061	2,886	3.4	8.9
	7	9	9	-	25	7,280	9,360	9,360	-	15,600	4.60	26,000	7.60	29,900	8.80	1,521	2,173	3,042	3.5	9.5
	7	7	12	-	26	7,000	7,000	12,000	-	15,600	4.60	26,000	7.60	29,900	8.80	1,521	2,173	3,042	3.5	9.5
	9	9	9	-	27	9,093	9,093	9,093	-	16,368	4.80	27,280	8.00	31,372	9.20	1,558	2,226	3,117	3.6	9.5
	7	9	12	-	28	7,047	9,060	12,080	-	16,912	5.00	28,187	8.30	32,415	9.50	1,587	2,267	3,174	3.6	9.5
	7	7	15	-	29	7,023	7,023	15,048	-	17,456	5.10	29,093	8.50	33,457	9.80	1,616	2,309	3,232	3.7	9.7
	9	9	12	-	30	9,000	9,000	12,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	9	15	-	31	6,774	8,710	14,516	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	12	12	-	31	6,774	11,613	11,613	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	7	18	-	32	6,563	6,563	16,875	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	9	9	15	-	33	8,182	8,182	13,636	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	9	12	12	-	33	8,182	10,909	10,909	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	9	18	-	34	6,176	7,941	15,882	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	12	15	-	34	6,176	10,588	13,235	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	9	9	18	-	36	7,500	7,500	15,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	9	12	15	-	36	7,500	10,000	12,500	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	12	12	12	-	36	10,000	10,000	10,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	12	18	-	37	5,676	9,730	14,595	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	15	15	-	37	5,676	12,162	12,162	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
7	7	24	-	38	5,526	5,526	18,947	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8	
9	12	18	-	39	6,923	9,231	13,846	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8	
9	15	15	-	39	6,923	11,538	11,538	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8	
12	12	15	-	39	9,231	9,231	11,538	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8	
7	9	24	-	40	5,250	6,750	18,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8	
7	15	18	-	40	5,250	11,250	13,500	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8	

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 16.4 ft. x 4 = 65.6 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 should be connected.

MULTI F WITH LGRED KUMXA301A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Heating Combination Table

Table 13: KUMXA301A 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	HSPF2
	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>																				
Four Units	7	7	7	7	28	7,047	7,047	7,047	7,047	16,912	5.00	28,187	8.30	33,824	9.90	1,573	2,247	3,146	3.7	9.6
	7	7	7	9	30	7,000	7,000	7,000	9,000	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	7	9	9	32	6,563	6,563	8,438	8,438	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	7	7	12	33	6,364	6,364	6,364	10,909	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	9	9	9	34	6,176	7,941	7,941	7,941	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	7	9	12	35	6,000	6,000	7,714	10,286	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	7	7	15	36	5,833	5,833	5,833	12,500	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	9	9	9	9	36	7,500	7,500	7,500	7,500	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	9	9	12	37	5,676	7,297	7,297	9,730	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	7	9	15	38	5,526	5,526	7,105	11,842	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	7	12	12	38	5,526	5,526	9,474	9,474	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
	7	7	7	18	39	5,385	5,385	5,385	13,846	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8
9	9	9	12	39	6,923	6,923	6,923	9,231	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8	
7	9	9	15	40	5,250	6,750	6,750	11,250	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8	
7	9	12	12	40	5,250	6,750	9,000	9,000	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.8	
<i>Ducted Indoor Units</i>																				
Two Units	9	9	-	-	18	11,000	11,000	-	-	13,200	3.90	22,000	6.40	24,200	7.10	1,606	2,294	3,212	2.8	7.8
	9	12	-	-	21	9,429	12,571	-	-	13,200	3.90	22,000	6.40	24,200	7.10	1,632	2,332	3,264	2.8	7.8
	12	12	-	-	24	12,000	12,000	-	-	14,400	4.20	24,000	7.00	26,400	7.70	1,658	2,369	3,317	3.0	7.9
	9	18	-	-	27	8,713	17,427	-	-	15,684	4.60	26,140	7.70	28,754	8.40	1,685	2,407	3,369	3.2	8.1
	12	18	-	-	30	12,000	18,000	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,711	2,444	3,422	3.6	9.1
	18*	18*	-	-	36	15,000	15,000	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,711	2,444	3,422	3.6	9.1
Three Units	9	9	9	-	27	8,907	8,907	8,907	-	16,032	4.70	26,720	7.80	30,728	9.00	1,607	2,296	3,214	3.4	8.7
	9	9	12	-	30	9,000	9,000	12,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.5
	9	12	12*	-	33	8,182	10,909	10,909	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.5
	9	9	18*	-	36	7,500	7,500	15,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.5
	12	12*	12*	-	36	10,000	10,000	10,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.5
	9*	12*	18*	-	39	6,923	9,231	13,846	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.5
Four Units	9*	9*	9*	9*	36	7,500	7,500	7,500	7,500	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.5
	9*	9*	9*	12*	39	6,923	6,923	6,923	9,231	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.5
<i>Mixed Indoor Units</i>																				
Two Units	7	9	-	-	16	8,540	10,980	-	-	11,712	3.40	19,520	5.70	21,472	6.30	1,471	2,101	2,942	2.7	7.9
	9	9	-	-	18	11,000	11,000	-	-	13,200	3.90	22,000	6.40	24,200	7.10	1,519	2,171	3,039	3.0	8.2
	7	12	-	-	19	8,105	13,895	-	-	13,200	3.90	22,000	6.40	24,200	7.10	1,524	2,177	3,048	3.0	8.2
	9	12	-	-	21	9,712	12,950	-	-	13,597	4.00	22,662	6.60	24,928	7.30	1,559	2,228	3,119	3.0	8.3
	9	15	-	-	24	9,375	15,625	-	-	15,000	4.40	25,000	7.30	27,500	8.10	1,626	2,323	3,252	3.2	8.3
	12	12	-	-	24	12,500	12,500	-	-	15,000	4.40	25,000	7.30	27,500	8.10	1,626	2,323	3,252	3.2	8.3
	7	18	-	-	25	7,300	18,770	-	-	15,642	4.60	26,070	7.60	29,327	8.60	1,630	2,329	3,261	3.3	8.5
	9	18	-	-	27	8,953	17,906	-	-	16,115	4.70	26,859	7.90	30,063	8.80	1,672	2,389	3,345	3.3	8.5
	12	15	-	-	27	11,937	14,922	-	-	16,115	4.70	26,859	7.90	30,063	8.80	1,672	2,389	3,345	3.3	8.5
	12	18	-	-	30	12,000	18,000	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,727	2,468	3,455	3.6	9.2
	7	24	-	-	31	6,774	23,226	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,727	2,468	3,455	3.6	9.2
	9	24*	-	-	33	8,182	21,818	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,727	2,468	3,455	3.6	9.2
	15	18	-	-	33	13,636	16,364	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,727	2,468	3,455	3.6	9.2
	18*	18*	-	-	36	15,000	15,000	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,727	2,468	3,455	3.6	9.2
	12*	24*	-	-	36	10,000	20,000	-	-	18,000	5.30	30,000	8.80	36,000	10.60	1,727	2,468	3,455	3.6	9.2

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 16.4 ft. x 4 = 65.6 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.



R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

Table 14: KUMXA301A with Mixed Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			COP	HSPF2
										Minimum		Rated		Maximum		Min.	Rated	Max.		
	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)	Btu/h	kW	Btu/h	kW	Btu/h	kW					
<i>Mixed Indoor Units</i>																				
Three Units	7	7	9	-	23	7,041	7,041	9,052	-	13,880	4.10	23,133	6.80	26,603	7.80	1,499	2,142	2,999	3.2	8.2
	7	9	9	-	25	7,075	9,096	9,096	-	15,160	4.40	25,267	7.40	29,057	8.50	1,551	2,216	3,103	3.3	8.8
	7	7	12	-	26	6,950	6,950	11,914	-	15,488	4.50	25,813	7.60	29,685	8.70	1,558	2,225	3,115	3.4	8.9
	9	9	9	-	27	9,000	9,000	9,000	-	16,200	4.70	27,000	7.90	31,050	9.10	1,583	2,261	3,165	3.5	9.1
	7	9	12	-	28	7,000	9,000	12,000	-	16,800	4.90	28,000	8.20	32,200	9.40	1,603	2,291	3,207	3.6	9.2
	9	9	12	-	30	9,000	9,000	12,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	9	15	-	31	6,774	8,710	14,516	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	12	12	-	31	6,774	11,613	11,613	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	7	18	-	32	6,563	6,563	16,875	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	9	9	15	-	33	8,182	8,182	13,636	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	9	12	12	-	33	8,182	10,909	10,909	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	9	18	-	34	6,176	7,941	15,882	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	12	15	-	34	6,176	10,588	13,235	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	9	9*	18*	-	36	7,500	7,500	15,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	9*	12*	15	-	36	7,500	10,000	12,500	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	12	12*	12*	-	36	10,000	10,000	10,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	12*	18*	-	37	5,676	9,730	14,595	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	9*	12*	18*	-	39	6,923	9,231	13,846	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	9*	15	15	-	39	6,923	11,538	11,538	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	12*	12*	15	-	39	9,231	9,231	11,538	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
7	9	24*	-	40	5,250	6,750	18,000	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7	
7	15*	18*	-	40	5,250	11,250	13,500	-	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7	
Four Units	7	7	7	9	30	7,000	7,000	7,000	9,000	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	7	9	9	32	6,563	6,563	8,438	8,438	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	7	7	12	33	6,364	6,364	6,364	10,909	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	9	9	9*	34	6,176	7,941	7,941	7,941	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	7	9	12*	35	6,000	6,000	7,714	10,286	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	9	9*	9*	9*	36	7,500	7,500	7,500	7,500	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	9	9*	12*	37	5,676	7,297	7,297	9,730	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	7	9*	15	38	5,526	5,526	7,105	11,842	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	7	12*	12*	38	5,526	5,526	9,474	9,474	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	7	7	18*	39	5,385	5,385	5,385	13,846	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	9*	9*	9*	12*	39	6,923	6,923	6,923	9,231	18,000	5.30	30,000	8.80	36,000	10.60	1,645	2,350	3,290	3.7	9.7
	7	9*	9*	15	40	5,250	6,750	6,750	11,250	18,000	5.30	30,000	8.80	38,800	11.40	1,645	2,350	3,290	3.7	9.7
	7	9*	12*	12*	40	5,250	6,750	9,000	9,000	18,000	5.30	30,000	8.80	38,800	11.40	1,645	2,350	3,290	3.7	9.7

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
KUMXA181A: 16.4 ft. x 2 = 32.8 ft.
KUMXA241A: 16.4 ft. x 3 = 49.2 ft.
KUMXA301A: 16.4 ft. x 4 = 65.6 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 should be connected.

*Cannot be a VAHU, Mid Static Duct, or High Static Duct.

MULTI F MAX WITH LGRED KUMXA361A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

The individual indoor unit capacity can be calculated based on the outdoor unit Rated capacity as follows¹

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

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 15: KUMXA361A with Non-Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER2	SEER2
	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

KUMXA481A: 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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MULTI F WITH LGRED° MULTI F MAX WITH LGRED KUMXA361A
MULTI F MAX
 Rated Cooling Combination Table

Table 16: KUMXA361A with Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER2	SEER2
	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 KUMXA481A: 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 KUMXA361A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

Table 17: KUMXA361A with Mixed Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER2	SEER2
	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

KUMXA481A: 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.

R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

MULTI F WITH LGRED° MULTI F MAX WITH LGRED KUMXA361A

Rated Heating Combination Table

Table 18: KUMXA361A with Non-Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF2
	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

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 KUMXA481A: 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 should be connected.

MULTI F MAX WITH LGRED KUMXA361A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Heating Combination Table

Table 19: KUMXA361A with Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF2
	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

KUMXA481A: 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 should be connected.

MULTI F WITH LGRED° MULTI F MAX WITH LGRED KUMXA361A
MULTI F MAX

Rated Heating Combination Table

Table 20: KUMXA361A with Mixed Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF2
	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 KUMXA481A: 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 should be connected.

MULTI F MAX WITH LGRED KUMXA421A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

The individual indoor unit capacity can be calculated based on the outdoor unit Rated capacity as follows¹

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

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: KUMXA421A with Non-Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER2	SEER2
	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

KUMXA481A: 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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MULTI F WITH LGRED° MULTI F MAX WITH LGRED KUMXA421A

Rated Cooling Combination Table

Table 22: KUMXA421A with Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER2	SEER2
	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

¹Capacity is rated 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
 KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 KUMXA481A: 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 KUMXA421A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

Table 23: KUMXA421A with Mixed Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER2	SEER2
	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
KUMXA481A: 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.

R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

Table 24: KUMXA421A with Non-Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF2
	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	1,878	3,362	4,375	8.5	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

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

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
KUMXA481A: 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 should be connected.

MULTI F MAX WITH LGRED KUMXA421A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Heating Combination Table

Table 25: KUMXA421A with Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF2
	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

KUMXA481A: 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 should be connected.

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MULTI F WITH LGRED° MULTI F MAX WITH LGRED KUMXA421A

Rated Heating Combination Table

Table 26: KUMXA421A with Mixed Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF2
	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	1,999	3,553	4,402	9.1	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

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

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

KUMXA481A: 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 should be connected.

MULTI F MAX WITH LGRED KUMXA481A

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MULTI F MAX

Rated Cooling Combination Table

The individual indoor unit capacity can be calculated based on the outdoor unit Rated capacity as follows¹

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

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 27: KUMXA481A with Non-Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER2	SEER2
	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	25,800	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

KUMXA481A: 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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MULTI F WITH LGRED[®] MULTI F MAX WITH LGRED KUMXA481A

Rated Cooling Combination Table

Table 28: KUMXA481A with Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER2	SEER2
	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

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

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

KUMXA481A: 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 KUMXA481A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Cooling Combination Table

Table 29: KUMXA481A with Mixed Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Cooling Capacity						Input (W)			Running Current (W)			EER2	SEER2
	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:

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.

KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.

KUMXA481A: 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.



R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

MULTI F WITH LGRED[®] MULTI F MAX WITH LGRED KUMXA481A
 MULTI F MAX

Rated Heating Combination Table

R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

Table 30: KUMXA481A with Non-Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF2
	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	1,878	3,362	4,375	8.5	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	31,500	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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

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

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 KUMXA481A: 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 should be connected.



MULTI F MAX WITH LGRED KUMXA481A

MULTI F WITH LGRED[®]
MULTI F MAX

Rated Heating Combination Table

Table 31: KUMXA481A with Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF2
	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	31,500	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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

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

KUMXA361A: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
 KUMXA421A: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
 KUMXA481A: 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 should be connected.



R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

MULTI F WITH LGRED[®] MULTI F MAX WITH LGRED KUMXA481A
 MULTI F MAX Rated Heating Combination Table

R32 Multi F and Multi F MAX with LGRED[®] Outdoor Unit Combination Data Manual

Table 32: KUMXA481A with Mixed Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Total Heating Capacity						Input (W)			Running Current (W)			COP	HSPF2
	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	1,999	3,553	4,402	9.1	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	31,500	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
50	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
51	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
52	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
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