

# RAS Multi-Split Inverter Combination Ratings

Combination ratings (size 14) heat pump

Operating status	Combination		Cooling					Heating				
			Unit capacity, kW		Cooling capacity, kW			Unit capacity, kW			Heating capacity, kW	
	Unit A	Unit B	Unit A	Unit B	Min	Rated	Max	Unit A	Unit B	Min	Rated	Max
2 units operating	10	10	1.95	1.95	1.4	3.9	4.4	2.15	2.15	0.9	4.3	4.6
	13	10	2.33	1.67	1.4	4	4.5	2.5	1.9	0.9	4.4	4.7

Combination ratings (size 18) heat pump

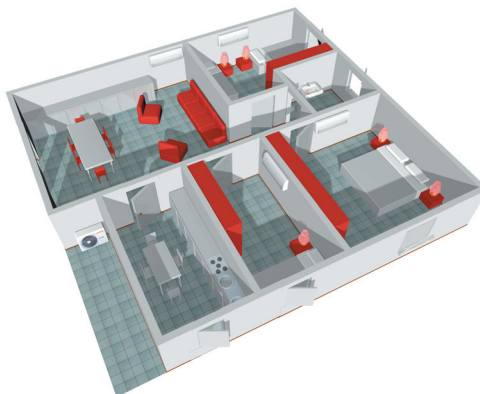
Operating status	Combination		Cooling					Heating				
			Unit capacity, kW		Cooling capacity, kW			Unit capacity, kW			Heating capacity, kW	
	Unit A	Unit B	Unit A	Unit B	Min	Rated	Max	Unit A	Unit B	Min	Rated	Max
2 units operating	10	10	2.55	2.55	1.4	5.1	6.1	3.2	3.2	0.9	6.4	8.3
	13	10	3.01	2.19	1.4	5.2	6.2	3.72	2.98	0.9	6.7	8.7
	13	13	2.6	2.6	1.4	5.2	6.2	3.35	3.35	0.9	6.7	8.7
	16	10	3.25	1.95	1.4	5.2	6.2	3.88	2.82	0.9	6.7	8.7

Combination ratings (size 3M26) heat pump

Operating status	Combination			Cooling						Heating					
				Unit capacity, kW			Cooling capacity, kW			Unit capacity, kW			Heating capacity, kW		
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min	Rated	Max	Unit A	Unit B	Unit C	Min	Rated	Max
2 units operating	10	10	-	2.7	2.7	-	2.5	5.4	6.3	3.6	3.6	-	1.5	7.2	10
	13	10	-	3.41	2.49	-	2.7	5.9	6.6	4.22	3.38	-	1.5	7.6	10.1
	16	10	-	3.94	2.36	-	2.9	6.3	6.9	4.57	3.33	-	1.5	7.9	10.1
	13	13	-	3.15	3.15	-	2.9	6.3	6.9	3.95	3.95	-	1.5	7.9	10.1
	16	13	-	3.73	3.07	-	3	6.8	7.2	4.35	3.95	-	1.5	8.3	10.2
	16	16	-	3.6	3.6	-	3.2	7.2	7.5	4.3	4.3	-	1.5	8.6	10.2
3 units operating	10	10	10	2.47	2.47	2.47	3.6	7.4	8.2	2.87	2.87	2.87	2	8.6	10.4
	13	10	10	3.01	2.2	2.2	3.9	7.4	8.3	3.35	2.68	2.68	2	8.7	10.5
	16	10	10	3.36	2.02	2.02	4	7.4	8.5	3.59	2.61	2.61	2	8.8	10.6
	13	13	10	2.71	2.71	1.98	4	7.4	8.5	3.14	3.14	2.51	2	8.8	10.6
	16	13	10	3.1	2.55	1.86	4	7.5	8.6	3.34	3.03	2.43	2	8.8	10.6
	13	13	13	2.5	2.5	2.5	4	7.5	8.6	2.93	2.93	2.93	2	8.8	10.6
	16	16	10	2.88	2.88	1.73	4.1	7.5	8.8	3.26	3.26	2.37	2	8.9	10.7
	16	13	13	2.84	2.33	2.33	4.1	7.5	8.8	3.16	2.87	2.87	2	8.9	10.7
	16	16	13	2.66	2.66	2.19	4.2	7.5	8.9	3.16	3.09	2.81	2	9	10.8

Combination ratings (size 4M27) heat pump

Operating status	Combination				Cooling									Heating								
					Unit capacity, kW				Cooling capacity, kW					Unit capacity, kW				Heating capacity, kW				
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min	Rated	Max	Unit A	Unit B	Unit C	Unit D	Min	Rated	Max				
2 units operating	10	10	-	-	2.70	2.70	-	-	2.50	5.40	6.30	3.60	3.60	-	-	1.50	7.20	10.0				
	13	10	-	-	3.41	2.49	-	-	2.70	5.90	6.60	4.22	3.38	-	-	1.50	7.60	10.10				
	16	10	-	-	3.94	2.36	-	-	2.90	6.30	6.90	4.57	3.33	-	-	1.50	7.90	10.10				
	13	13	-	-	3.15	3.15	-	-	2.90	6.30	6.90	3.95	3.95	-	-	1.50	7.90	10.10				
	16	13	-	-	3.73	3.07	-	-	3.00	6.80	7.20	4.35	3.95	-	-	1.50	8.30	10.20				
	16	16	-	-	3.60	3.60	-	-	3.20	7.20	7.50	4.30	4.30	-	-	1.50	8.60	10.20				
3 units operating	10	10	10.0	-	2.53	2.53	2.53	-	3.60	7.60	8.20	2.87	2.87	2.87	-	2.0	8.60	10.40				
	13	10	10.0	-	3.13	2.28	2.28	-	3.90	7.70	8.30	3.35	2.68	2.68	-	2.0	8.70	10.50				
	16	10	10.0	-	3.50	2.10	2.10	-	4.0	7.70	8.50	3.54	2.58	2.58	-	2.0	8.70	10.50				
	13	13	10.0	-	2.82	2.82	2.06	-	4.0	7.70	8.50	3.11	3.11	2.49	-	2.0	8.70	10.50				
	16	13	10.0	-	3.22	2.65	1.93	-	4.10	7.80	8.60	3.34	3.03	2.43	-	2.0	8.80	10.60				
	13	13	13.0	-	2.60	2.60	2.60	-	4.10	7.80	8.60	2.93	2.93	2.93	-	2.0	8.80	10.60				
	16	16	10.0	-	3.04	3.04	1.82	-	4.10	7.90	8.70	3.26	2.26	2.37	-	2.0	8.90	10.70				
	16	13	13.0	-	2.99	2.46	2.46	-	4.10	7.90	8.70	3.16	2.87	2.87	-	2.0	8.90	10.70				
	16	16	13.0	-	2.80	2.80	2.30	-	4.20	7.90	8.90	3.06	3.06	2.78	-	2.0	8.90	10.70				
	16	16	16.0	-	2.67	2.67	2.67	-	4.30	8.0	9.0	3.0	3.0	3.0	-	2.0	9.00	10.80				
4 units operating	10	10	10.0	10.0	1.98	1.98	1.98	1.98	4.00	7.90	8.70	2.23	2.23	2.23	2.23	2.20	8.90	10.80				
	13	10	10.0	10.0	2.48	1.81	1.81	1.81	4.10	7.90	8.80	2.62	2.09	2.09	2.09	2.20	8.90	10.90				
	16	10	10.0	10.0	2.86	1.71	1.71	1.71	4.10	8.0	9.00	2.83	2.06	2.06	2.06	2.20	9.0	10.90				
	13	13	10.0	10.0	2.31	2.31	1.69	1.69	4.10	8.0	9.00	2.50	2.50	2.0	2.0	2.20	9.0	10.90				
	16	13	10.0	10.0	2.65	2.18	1.59	1.59	4.20	8.0	9.10	2.68	2.43	1.95	1.95	2.20	9.0	11.0				
	13	13	13.0	10.0	2.14	2.14	2.14	1.57	4.20	8.0	9.10	2.37	2.37	2.37	1.89	2.20	9.0	11.0				
	16	13	13.0	10.0	2.47	2.03	2.03	1.48	4.20	8.0	9.20	2.54	2.31	2.31	1.85	2.20	9.0	11.0				
	13	13	13.0	13.0	2.0	2.0	2.0	2.0	4.20	8.0	9.20	2.25	2.25	2.25	2.25	2.20	9.0	11.0				
	16	16	10.0	10.0	2.50	2.50	1.50	1.50	4.20	8.0	9.20	2.61	2.61	1.89	1.89	2.20	9.0	11.0				



Combination ratings (size 5M34) heat pump

Operating Status	Combination					Cooling					Heating											
	Unit capacity (kW)					Cooling Capacity (kW)					Heating Capacity (kW)											
	Unit A	Unit B	Unit C	Unit D	Unit E	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Rated	Max	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Rated	Max	
2 units operating	07	07	-	-	-	2.00	2.00	-	-	-	2.5	4.0	5.0	2.70	2.70	-	-	-	1.5	5.4	7.4	
	10	07	-	-	-	2.70	2.00	-	-	-	2.5	4.7	5.7	4.00	2.70	-	-	-	1.5	6.7	8.9	
	13	07	-	-	-	3.70	2.00	-	-	-	2.6	5.7	6.5	4.81	2.59	-	-	-	1.5	7.4	10.1	
	16	07	-	-	-	4.08	1.82	-	-	-	2.7	5.9	6.6	5.10	2.50	-	-	-	1.5	7.6	10.1	
	18	07	-	-	-	4.50	1.80	-	-	-	2.9	6.3	6.9	5.45	2.45	-	-	-	1.5	7.9	10.1	
	10	10	-	-	-	2.70	2.70	-	-	-	2.5	5.4	6.3	3.60	3.60	-	-	-	1.5	7.2	10	
	13	10	-	-	-	3.41	2.49	-	-	-	2.7	5.9	6.6	4.22	3.38	-	-	-	1.5	7.6	10.1	
	16	10	-	-	-	3.94	2.36	-	-	-	2.9	6.3	6.9	4.57	3.33	-	-	-	1.5	7.9	10.1	
	18	10	-	-	-	4.09	2.21	-	-	-	2.9	6.3	6.9	4.74	3.16	-	-	-	1.5	7.9	10.1	
	13	13	-	-	-	3.15	3.15	-	-	-	2.9	6.3	6.9	3.95	3.95	-	-	-	1.5	7.9	10.1	
	16	13	-	-	-	3.73	3.07	-	-	-	3.0	6.8	7.2	4.35	3.95	-	-	-	1.5	8.3	10.2	
	18	13	-	-	-	3.91	2.89	-	-	-	3.0	6.8	7.2	4.53	3.77	-	-	-	1.5	8.3	10.2	
	16	16	-	-	-	3.60	3.60	-	-	-	3.2	7.2	7.5	4.30	4.30	-	-	-	1.5	8.6	10.2	
	18	16	-	-	-	3.79	3.41	-	-	-	3.2	7.2	7.5	4.49	4.11	-	-	-	1.5	8.6	10.2	
	18	18	-	-	-	3.60	3.60	-	-	-	3.2	7.2	7.5	4.30	4.30	-	-	-	1.5	8.6	10.2	
	3 units operating	07	07	07	-	-	2.00	2.00	2.00	-	-	3.8	6.0	7.5	2.70	2.70	2.70	-	-	2	8.1	10.4
		10	07	07	-	-	2.70	2.00	2.00	-	-	3.8	6.7	8.2	3.53	2.38	2.38	-	-	2	8.3	10.4
		13	07	07	-	-	3.65	1.97	1.97	-	-	3.9	7.6	8.3	4.13	2.23	2.23	-	-	2	8.6	10.4
16		07	07	-	-	4.08	1.81	1.81	-	-	4.0	7.7	8.5	4.39	2.16	2.16	-	-	2	8.7	10.5	
18		07	07	-	-	4.28	1.71	1.71	-	-	4.0	7.7	8.5	4.58	2.06	2.06	-	-	2	8.7	10.5	
10		10	07	-	-	2.70	2.70	2.00	-	-	3.8	7.4	8.2	3.18	3.18	2.14	-	-	2	8.5	10.4	
13		10	07	-	-	3.39	2.48	1.83	-	-	3.9	7.7	8.3	3.72	2.97	2.01	-	-	2	8.7	10.5	
16		10	07	-	-	3.77	2.26	1.67	-	-	4.0	7.7	8.5	3.92	2.85	1.93	-	-	2	8.7	10.5	
18		10	07	-	-	3.97	2.14	1.59	-	-	4.0	7.7	8.5	4.11	2.74	1.85	-	-	2	8.7	10.5	
13		13	07	-	-	3.03	3.03	1.64	-	-	4.0	7.7	8.5	3.43	3.43	1.85	-	-	2	8.7	10.5	
16		13	07	-	-	3.44	2.83	1.53	-	-	4.1	7.8	8.6	3.67	3.33	1.80	-	-	2	8.8	10.6	
18		13	07	-	-	3.64	2.70	1.46	-	-	4.1	7.8	8.6	3.85	3.21	1.73	-	-	2	8.8	10.6	
16		16	07	-	-	3.19	3.19	1.42	-	-	4.1	7.8	8.6	3.57	3.57	1.75	-	-	2	8.9	10.7	
18		16	07	-	-	3.39	3.05	1.36	-	-	4.1	7.8	8.6	3.76	3.45	1.69	-	-	2	8.9	10.7	
18		18	07	-	-	3.29	3.29	1.32	-	-	4.1	7.9	8.7	3.63	3.63	1.63	-	-	2	8.9	10.7	
10		10	10	-	-	2.53	2.53	2.53	-	-	3.8	7.6	8.2	2.87	2.87	2.87	-	-	2	8.6	10.4	
13		10	10	-	-	3.13	2.28	2.28	-	-	3.9	7.7	8.3	3.35	2.68	2.68	-	-	2	8.7	10.5	
16		10	10	-	-	3.50	2.10	2.10	-	-	4.0	7.7	8.5	3.54	2.58	2.58	-	-	2	8.7	10.5	
18		10	10	-	-	3.70	2.00	2.00	-	-	4.0	7.7	8.5	3.73	2.49	2.49	-	-	2	8.7	10.5	
13		13	10	-	-	2.82	2.82	2.06	-	-	4.0	7.7	8.5	3.11	3.11	2.49	-	-	2	8.7	10.5	
16		13	10	-	-	3.22	2.65	1.93	-	-	4.1	7.8	8.6	3.34	3.03	2.43	-	-	2	8.8	10.6	
18		13	10	-	-	3.42	2.53	1.85	-	-	4.1	7.8	8.6	3.52	2.93	2.35	-	-	2	8.8	10.6	
16		16	10	-	-	3.04	3.04	1.82	-	-	4.1	7.9	8.7	3.26	3.26	2.37	-	-	2	8.9	10.7	
18		16	10	-	-	3.20	2.88	1.73	-	-	4.1	7.8	8.6	3.45	3.16	2.30	-	-	2	8.9	10.7	
18		18	10	-	-	3.11	3.11	1.68	-	-	4.1	7.9	8.7	3.34	3.34	2.23	-	-	2	8.9	10.7	
13		13	13	-	-	2.60	2.60	2.60	-	-	4.1	7.8	8.6	2.93	2.93	2.93	-	-	2	8.8	10.6	
16		13	13	-	-	2.99	2.46	2.46	-	-	4.1	7.9	8.7	3.16	2.87	2.87	-	-	2	8.9	10.7	
18		13	13	-	-	3.19	2.36	2.36	-	-	4.1	7.9	8.7	3.34	2.78	2.78	-	-	2	8.9	10.7	
16		16	13	-	-	2.80	2.80	2.30	-	-	4.1	7.9	8.7	3.06	3.06	2.78	-	-	2	8.9	10.7	
18		16	13	-	-	2.99	2.69	2.21	-	-	4.1	7.9	8.7	3.24	2.97	2.70	-	-	2	8.9	10.7	
18		18	13	-	-	2.88	2.88	2.13	-	-	4.1	7.9	8.7	3.14	3.14	2.62	-	-	2	8.9	10.7	
4 units operating		07	07	07	07	-	1.95	1.95	1.95	1.95	-	4.0	7.8	8.7	2.20	2.20	2.20	2.20	-	2.2	8.8	10.8
		10	07	07	07	-	2.42	1.79	1.79	1.79	-	4.0	7.8	8.7	2.91	1.96	1.96	1.96	-	2.2	8.8	10.8
		13	07	07	07	-	3.01	1.63	1.63	1.63	-	4.1	7.9	8.8	3.36	1.81	1.81	1.81	-	2.2	8.8	10.9
		16	07	07	07	-	3.39	1.50	1.50	1.50	-	4.1	7.9	9.0	3.64	1.79	1.79	1.79	-	2.2	9.0	10.9
		18	07	07	07	-	3.59	1.44	1.44	1.44	-	4.1	7.9	9.0	3.83	1.72	1.72	1.72	-	2.2	9.0	10.9
	10	10	07	07	-	2.24	2.24	1.66	1.66	-	4.0	7.8	8.7	2.63	2.63	1.77	1.77	-	2.2	8.8	10.8	
	13	10	07	07	-	2.81	2.05	1.52	1.52	-	4.1	7.9	8.8	3.09	2.47	1.67	1.67	-	2.2	8.9	10.9	
	16	10	07	07	-	3.17	1.90	1.41	1.41	-	4.1	7.9	9.0	3.32	2.42	1.63	1.63	-	2.2	9.0	10.9	
	18	10	07	07	-	3.38	1.82	1.35	1.35	-	4.1	7.9	9.0	3.51	2.34	1.58	1.58	-	2.2	9.0	10.9	
	13	13	07	07	-	2.56	2.56	1.39	1.39	-	4.1	7.9	9.0	2.92	2.92	1.58	1.58	-	2.2	9.0	10.9	
	16	13	07	07	-	2.95	2.43	1.31	1.31	-	4.2	8.0	9.1	3.11	2.83	1.53	1.53	-	2.2	9.0	11	
	18	13	07	07	-	3.15	2.33	1.26	1.26	-	4.2	8.0	9.1	3.29	2.74	1.48	1.48	-	2.2	9.0	11	
	16	16	07	07	-	2.77	2.77	1.23	1.23	-	4.2	8.0	9.2	3.02	3.02	1.48	1.48	-	2.2	9.0	11	
	18	16	07	07	-	2.96	2.67	1.19	1.19	-	4.2	8.0	9.2	3.20	2.93	1.44	1.44	-	2.2	9.0	11	
	18	18	07	07	-	2.86	2.86	1.14	1.14	-	4.2	8.0	9.2	3.10	3.10	1.40	1.40	-	2.2	9.0	11	
	10	10	10	07	-	2.11	2.11	2.11	1.56	-	4.0	7.9	8.7	2.39	2.39	2.39	1.62	-	2.2	8.8	10.8	
	13	10	10	07	-	2.63	1.92	1.92	1.42	-	4.1	7.9	8.8	2.83	2.27	2.27	1.53	-	2.2	8.9	10.9	
	16	10	10	07	-	2.99	1.79	1.79	1.33	-	4.1	7.9	9.0	3.06	2.22	2.22	1.50	-	2.2	9.0	10.9	
	18	10	10	07	-	3.23	1.74	1.74	1.29	-	4.1	8.0	9.0	3.23	2.16	2.16	1.46	-	2.2	9.0	10.9	
	13	13	10	07	-	2.45	2.45	1.79	1.32	-	4.1	8.0	9.0	2.69	2.69	2.16	1.46	-	2.2	9.0	10.9	
	16	13	10	07	-	2.79	2.29	1.67	1.24	-	4.2	8.0	9.1	2.88	2.62	2.09	1.41	-	2.2	9.0	11	
	18	13	10	07	-	2.99	2.21	1.61	1.19	-	4.2	8.0	9.1	3.05	2.54	2.03	1.37	-	2.2	9.0	11	
	16	16	10	07	-	2.63	2.63	1.58	1.17	-	4.2	8.0	9.2	2.80	2.80	2.03	1.37	-	2.2	9.0	11	
	18	16	10	07	-	2.82	2.54	1.52	1.13	-	4.2	8.0	9.2	2.97	2.72	1.98	1.34	-	2.2	9.0	11	
	18	18	10	07	-	2.72	2.72	1.47	1.09	-	4.2	8.0	9.2	2.89	2.89	1.93	1.30	-	2.2	9.0	11	
	13	13	13	07	-	2.26	2.26	2.26	1.22	-	4.2	8.0	9.1	2.54	2.54	2.54	1.37					

## Combination ratings (size 5M34) heat pump

Operating Status	Combination					Cooling							Heating								
	Unit A	Unit B	Unit C	Unit D	Unit E	Unit capacity (kW)					Cooling Capacity (kW)			Unit capacity (kW)					Heating Capacity (kW)		
						Unit A	Unit B	Unit C	Unit D	Unit E	Min	Rated	Max	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Rated	Max
5 units operating	07	07	07	07	07	1.96	1.96	1.96	1.96	1.96	3.7	9.8	10.8	2.28	2.28	2.28	2.28	2.28	3.4	11.4	13.4
	10	07	07	07	07	2.50	1.85	1.85	1.85	1.85	3.7	9.9	10.9	3.16	2.13	2.13	2.13	2.13	3.4	11.7	13.7
	13	07	07	07	07	3.13	1.69	1.69	1.69	1.69	3.7	9.9	10.9	3.70	2.00	2.00	2.00	2.00	3.4	11.7	13.7
	16	07	07	07	07	3.56	1.58	1.58	1.58	1.58	3.7	9.9	10.9	3.95	1.94	1.94	1.94	1.94	3.4	11.7	13.7
	18	07	07	07	07	3.81	1.52	1.52	1.52	1.52	3.7	9.9	10.9	4.18	1.88	1.88	1.88	1.88	3.4	11.7	13.7
	10	10	07	07	07	2.34	2.34	1.74	1.74	1.74	3.7	9.9	10.9	2.91	2.91	1.96	1.96	1.96	3.4	11.7	13.7
	13	10	07	07	07	2.95	2.16	1.60	1.60	1.60	3.7	9.9	10.9	3.42	2.74	1.85	1.85	1.85	3.4	11.7	13.7
	16	10	07	07	07	3.38	2.03	1.50	1.50	1.50	3.7	9.9	10.9	3.66	2.66	1.79	1.79	1.79	3.4	11.7	13.7
	18	10	07	07	07	3.61	1.95	1.45	1.45	1.45	3.7	9.9	10.9	3.88	2.59	1.75	1.75	1.75	3.4	11.7	13.7
	13	13	07	07	07	2.73	2.73	1.48	1.48	1.48	3.7	9.9	10.9	3.23	3.23	1.75	1.75	1.75	3.4	11.7	13.7
	16	13	07	07	07	3.14	2.58	1.39	1.39	1.39	3.7	9.9	10.9	3.46	3.15	1.70	1.70	1.70	3.4	11.7	13.7
	18	13	07	07	07	3.37	2.49	1.35	1.35	1.35	3.7	9.9	10.9	3.68	3.06	1.65	1.65	1.65	3.4	11.7	13.7
	16	16	07	07	07	2.97	2.97	1.32	1.32	1.32	3.7	9.9	10.9	3.37	3.37	1.65	1.65	1.65	3.4	11.7	13.7
	18	16	07	07	07	3.19	2.87	1.28	1.28	1.28	3.7	9.9	10.9	3.58	3.28	1.61	1.61	1.61	3.4	11.7	13.7
	10	10	10	07	07	2.21	2.21	2.21	1.64	1.64	3.7	9.9	10.9	2.69	2.69	2.69	1.82	1.82	3.4	11.7	13.7
	13	10	10	07	07	2.80	2.04	2.04	1.51	1.51	3.7	9.9	10.9	3.18	2.54	2.54	1.72	1.72	3.4	11.7	13.7
	13	13	10	07	07	2.60	2.60	1.90	1.40	1.40	3.7	9.9	10.9	3.02	3.02	2.41	1.63	1.63	3.4	11.7	13.7
	16	10	10	07	07	3.21	1.92	1.92	1.42	1.42	3.7	9.9	10.9	3.40	2.48	2.48	1.67	1.67	3.4	11.7	13.7
	18	10	10	07	07	3.44	1.86	1.86	1.38	1.38	3.7	9.9	10.9	3.62	2.41	2.41	1.63	1.63	3.4	11.7	13.7
	13	13	13	07	07	2.43	2.43	2.43	1.31	1.31	3.7	9.9	10.9	2.87	2.87	2.87	1.55	1.55	3.4	11.7	13.7
	16	13	13	07	07	2.80	2.30	2.30	1.25	1.25	3.7	9.9	10.9	3.08	2.80	2.80	1.51	1.51	3.4	11.7	13.7
	18	13	13	07	07	3.02	2.23	2.23	1.21	1.21	3.7	9.9	10.9	3.28	2.73	2.73	1.48	1.48	3.4	11.7	13.7
	16	16	10	07	07	2.84	2.84	1.70	1.26	1.26	3.7	9.9	10.9	3.15	3.15	2.29	1.55	1.55	3.4	11.7	13.7
	18	16	10	07	07	3.06	2.75	1.65	1.22	1.22	3.7	9.9	10.9	3.36	3.08	2.24	1.51	1.51	3.4	11.7	13.7
	18	13	13	07	07	3.02	2.23	2.23	1.21	1.21	3.7	9.9	10.9	3.28	2.73	2.73	1.48	1.48	3.4	11.7	13.7
	16	16	13	07	07	2.67	2.67	2.19	1.19	1.19	3.7	9.9	10.9	3.01	3.01	2.73	1.48	1.48	3.4	11.7	13.7
	18	16	13	07	07	2.88	2.59	2.13	1.15	1.15	3.7	9.9	10.9	3.21	2.94	2.67	1.44	1.44	3.4	11.7	13.7
	10	10	10	10	07	2.09	2.09	2.09	2.09	2.09	3.7	9.9	10.9	2.50	2.50	2.50	2.50	2.50	3.4	11.7	13.7
	13	10	10	10	07	2.65	1.94	1.94	1.94	1.94	3.7	9.9	10.9	2.97	2.38	2.38	2.38	2.38	3.4	11.7	13.7
	16	10	10	10	07	3.05	1.83	1.83	1.83	1.83	3.7	9.9	10.9	3.19	2.32	2.32	2.32	2.32	3.4	11.7	13.7
	13	13	10	10	07	2.48	2.48	1.81	1.81	1.81	3.7	9.9	10.9	2.83	2.83	2.26	2.26	2.26	3.4	11.7	13.7
	16	13	10	10	07	2.86	2.35	1.71	1.71	1.71	3.7	9.9	10.9	3.04	2.76	2.21	2.21	2.21	3.4	11.7	13.7
	16	16	10	10	07	2.72	2.72	1.63	1.63	1.63	3.7	9.9	10.9	2.97	2.97	2.16	2.16	2.16	3.4	11.7	13.7
	13	13	13	10	07	2.32	2.32	2.32	1.69	1.69	3.7	9.9	10.9	2.70	2.70	2.70	2.16	2.16	3.4	11.7	13.7
	16	13	13	10	07	2.68	2.21	2.21	1.61	1.61	3.7	9.9	10.9	2.90	2.64	2.64	2.11	2.11	3.4	11.7	13.7
	16	16	13	10	07	2.56	2.56	2.11	1.54	1.54	3.7	9.9	10.9	2.83	2.83	2.58	2.06	2.06	3.4	11.7	13.7
	13	13	13	13	07	2.18	2.18	2.18	2.18	2.18	3.7	9.9	10.9	2.58	2.58	2.58	2.58	2.58	3.4	11.7	13.7
	16	13	13	13	07	2.53	2.08	2.08	2.08	2.08	3.7	9.9	10.9	2.77	2.52	2.52	2.52	2.52	3.4	11.7	13.7
	16	16	13	13	07	2.42	2.42	1.99	1.99	1.99	3.7	9.9	10.9	2.72	2.72	2.47	2.47	2.47	3.4	11.7	13.7
	10	10	10	10	10	1.98	1.98	1.98	1.98	1.98	3.7	9.9	10.9	2.34	2.34	2.34	2.34	2.34	3.4	11.7	13.7
	13	10	10	10	10	2.53	1.84	1.84	1.84	1.84	3.7	9.9	10.9	2.79	2.23	2.23	2.23	2.23	3.4	11.7	13.7
	16	10	10	10	10	2.91	1.75	1.75	1.75	1.75	3.7	9.9	10.9	2.99	2.18	2.18	2.18	2.18	3.4	11.7	13.7
	18	10	10	10	10	3.13	1.69	1.69	1.69	1.69	3.7	9.9	10.9	3.19	2.13	2.13	2.13	2.13	3.4	11.7	13.7
	13	13	10	10	10	2.36	2.36	1.72	1.72	1.72	3.7	9.9	10.9	2.66	2.66	2.13	2.13	2.13	3.4	11.7	13.7
	16	13	10	10	10	2.73	2.25	1.64	1.64	1.64	3.7	9.9	10.9	2.86	2.60	2.08	2.08	2.08	3.4	11.7	13.7
18	13	10	10	10	2.95	2.18	1.59	1.59	1.59	3.7	9.9	10.9	3.05	2.54	2.03	2.03	2.03	3.4	11.7	13.7	
16	16	10	10	10	2.61	2.61	1.56	1.56	1.56	3.7	9.9	10.9	2.80	2.80	2.03	2.03	2.03	3.4	11.7	13.7	
13	13	13	10	10	2.22	2.22	2.22	1.62	1.62	3.7	9.9	10.9	2.54	2.54	2.54	2.03	2.03	3.4	11.7	13.7	
16	13	13	10	10	2.58	2.12	2.12	1.55	1.55	3.7	9.9	10.9	2.74	2.49	2.49	1.99	1.99	3.4	11.7	13.7	
18	13	13	10	10	2.78	2.06	2.06	1.50	1.50	3.7	9.9	10.9	2.93	2.44	2.44	1.95	1.95	3.4	11.7	13.7	
16	16	13	10	10	2.49	2.49	2.04	1.49	1.49	3.7	10.0	11.0	2.75	2.75	2.50	2.00	2.00	3.4	12.0	14	
13	13	13	13	10	2.09	2.09	2.09	2.09	2.09	3.7	9.9	10.9	2.44	2.44	2.44	2.44	2.44	3.4	11.7	13.7	
16	13	13	13	10	2.46	2.02	2.02	2.02	2.02	3.7	10.0	11.0	2.69	2.45	2.45	2.45	2.45	3.4	12.0	14	
18	13	13	13	10	2.66	1.97	1.97	1.97	1.97	3.7	10.0	11.0	2.88	2.40	2.40	2.40	2.40	3.4	12.0	14	
16	16	13	13	10	2.36	2.36	1.94	1.94	1.94	3.7	10.0	11.0	2.64	2.64	2.40	2.40	2.40	3.4	12.0	14	
13	13	13	13	13	2.00	2.00	2.00	2.00	2.00	3.7	10.0	11.0	2.40	2.40	2.40	2.40	2.40	3.4	12.0	14	
16	13	13	13	13	2.33	1.92	1.92	1.92	1.92	3.7	10.0	11.0	2.59	2.35	2.35	2.35	2.35	3.4	12.0	14	