

DMA23 Multizone – DUA-HIDU Ducted Performance

COOLING			Outdoor conditions (DB)																		
Model	Indoor Conditions			-13°F	-4°F	0°F	5°F	17°F	25°F	35°F	47°F	55°F	65°F	75°F	80°F	85°F	95°F	105°F	110°F	115°F	122°F
	DB	WB		-25°C	-20°C	-17.8°C	-15°C	-8.3°C	-3.9°C	1.7°C	8.3°C	12.8°C	18.3°C	24°C	26.7°C	29.4°C	35°C	40.5°C	43.3°C	46°C	50°C
DUA09HIDU230X5*2 DMA18HOM23230X2 (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	19.17	20.20	20.70	21.36	21.58	21.23	21.37	20.36	20.36	20.23	19.72	19.86	19.17	18.85	17.67	16.58	15.74	14.61
			SC	11.98	13.74	14.19	14.77	15.52	15.00	15.95	14.98	15.22	15.65	15.62	15.91	14.91	15.58	14.56	14.98	14.43	14.61
			Input	1.43	1.59	1.74	1.84	1.88	1.82	1.85	1.86	1.88	1.90	1.88	1.88	1.96	2.12	2.05	1.97	2.04	2.13
	70°F (21.1°C)	59°F (15°C)	TC	20.27	21.25	21.57	22.32	22.67	22.32	22.54	21.55	21.30	21.08	20.80	20.80	20.22	19.95	18.74	17.45	16.70	15.54
			SC	12.60	14.38	14.70	15.35	16.20	15.68	16.73	15.77	15.83	16.21	16.38	16.55	15.62	16.38	15.37	15.69	15.21	15.48
			Input	1.44	1.60	1.70	1.82	1.87	1.82	1.86	1.85	1.88	1.90	1.87	1.88	1.95	2.11	2.04	1.96	2.07	2.14
	75°F (23.9°C)	63°F (17.2°C)	TC	21.36	22.48	22.61	23.35	23.69	23.35	23.73	22.58	22.30	22.12	21.71	21.82	21.13	20.95	19.52	18.54	17.74	16.32
			SC	13.22	15.11	15.32	15.96	16.83	16.33	17.51	16.44	16.47	16.91	17.01	17.27	16.22	17.11	15.93	16.57	16.07	16.20
			Input	1.44	1.59	1.68	1.80	1.83	1.83	1.85	1.86	1.88	1.88	1.85	1.86	1.95	2.09	2.02	2.00	2.10	2.12
	80°F (26.7°C)	67°F (19.4°C)	TC	22.65	23.59	23.97	24.32	24.70	24.79	24.90	23.53	23.35	23.18	23.02	22.85	22.38	21.92	20.77	19.73	18.54	17.05
			SC	13.95	15.76	16.16	16.54	17.46	17.23	18.28	17.03	17.14	17.64	17.93	17.98	17.10	17.80	16.84	17.54	16.71	16.85
			Input	1.43	1.59	1.67	1.77	1.82	1.82	1.83	1.85	1.85	1.86	1.87	1.87	2.04	2.07	2.05	2.03	2.07	2.10
DUA09HIDU230X5*3 DMA27HOM23230X2 (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	25.72	26.67	26.92	26.96	26.66	27.64	27.32	27.41	28.83	29.34	29.30	29.65	27.86	26.55	25.53	24.56	22.50	20.24
			SC	15.97	17.39	17.86	19.10	18.58	19.93	20.05	20.59	21.51	22.13	23.30	23.53	22.07	21.08	21.50	21.67	20.76	20.26
			Input	2.33	2.68	2.82	2.89	2.84	3.06	3.03	3.15	3.38	3.47	3.50	3.54	3.52	3.38	3.40	3.41	3.42	3.40
	70°F (21.1°C)	59°F (15°C)	TC	27.13	28.20	28.22	28.31	28.09	28.79	29.00	29.13	30.19	30.57	30.88	31.37	29.64	27.92	27.07	25.91	23.49	21.44
			SC	16.75	18.30	18.62	19.96	19.45	20.66	21.18	21.78	22.38	22.94	24.40	24.78	23.37	22.04	22.69	22.75	21.54	21.36
			Input	2.36	2.66	2.78	2.90	2.84	3.05	3.07	3.18	3.36	3.42	3.51	3.60	3.55	3.41	3.44	3.41	3.36	3.43
	75°F (23.9°C)	63°F (17.2°C)	TC	28.38	29.62	29.89	30.06	29.60	30.30	30.46	30.47	31.71	32.07	32.47	33.38	31.40	29.64	28.26	27.10	24.94	22.52
			SC	17.42	19.11	19.62	21.09	20.39	21.62	22.14	22.68	23.38	23.91	25.51	26.20	24.60	23.28	23.57	23.69	22.76	22.36
			Input	2.35	2.65	2.79	2.91	2.84	3.02	3.09	3.17	3.35	3.39	3.51	3.66	3.53	3.43	3.38	3.35	3.37	3.39
	80°F (26.7°C)	67°F (19.4°C)	TC	29.65	30.89	31.40	31.84	31.42	31.57	31.73	32.41	33.03	33.62	34.25	34.80	33.08	31.40	29.78	28.26	26.25	23.86
			SC	18.12	19.83	20.51	22.22	21.53	22.38	22.91	23.99	24.25	24.95	26.75	27.18	25.80	24.55	24.72	24.58	23.81	23.57
			Input	2.35	2.62	2.76	2.91	2.89	2.99	3.09	3.20	3.30	3.40	3.50	3.60	3.36	3.42	3.37	3.35	3.39	3.39

DUA09HIDU230X5*4 DMA36HOM23230X2 (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	33.97	35.31	35.49	35.87	37.89	38.78	41.94	42.08	42.56	42.68	41.96	42.52	38.23	34.36	32.47	31.22	28.28	25.95
			SC	21.82	23.88	23.89	24.66	27.02	27.92	30.35	31.40	32.32	32.63	33.55	33.22	31.04	27.87	26.76	27.42	26.90	25.83
			Input	1.89	2.05	2.14	2.24	2.61	2.72	3.00	3.17	3.29	3.45	3.54	3.77	3.89	4.25	4.16	4.15	4.19	4.25
	70°F (21.1°C)	59°F (15°C)	TC	35.61	37.25	37.36	37.52	39.55	40.78	43.77	44.16	44.38	45.02	44.35	45.00	39.91	36.06	34.40	32.59	29.70	27.03
			SC	22.73	25.05	25.04	25.66	28.08	29.19	31.48	32.79	33.52	34.26	35.28	34.96	32.23	29.09	28.22	28.49	28.10	26.79
			Input	1.86	2.07	2.16	2.21	2.59	2.70	2.98	3.13	3.23	3.42	3.56	3.82	3.85	4.25	4.19	4.16	4.16	4.17
	75°F (23.9°C)	63°F (17.2°C)	TC	37.56	39.21	39.45	39.87	41.54	43.33	45.60	46.00	46.37	46.94	46.34	47.12	42.18	38.19	36.32	34.41	31.43	28.19
			SC	23.86	26.25	26.28	27.14	29.36	30.84	32.63	33.96	34.85	35.55	36.63	36.41	33.87	30.67	29.64	29.92	29.55	27.83
			Input	1.84	2.07	2.14	2.26	2.57	2.76	2.94	3.07	3.22	3.38	3.54	3.76	3.91	4.23	4.16	4.14	4.16	4.14
	80°F (26.7°C)	67°F (19.4°C)	TC	39.38	41.02	41.70	42.28	44.05	45.95	48.10	48.52	48.71	48.90	49.09	49.29	44.88	40.29	38.31	36.26	33.23	29.45
			SC	24.89	27.32	27.65	28.63	30.97	32.54	34.20	35.66	36.43	36.82	38.59	37.90	35.81	32.15	31.11	31.36	31.07	28.95
			Input	1.85	2.05	2.17	2.28	2.60	2.77	2.96	3.07	3.21	3.37	3.54	3.73	4.05	4.24	4.19	4.15	4.19	4.09
DUA09HIDU230X5*4+ DUA12HIDU230X5 DMA48HOM23230X2 (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	39.41	40.58	42.27	42.10	43.90	45.66	45.02	46.24	46.76	47.88	47.86	49.30	45.78	43.77	42.09	39.39	37.18	32.44
			SC	24.69	26.96	27.66	29.84	31.86	33.92	32.96	34.86	35.36	36.26	38.16	38.63	36.05	34.84	34.78	36.03	35.24	32.27
			Input	2.85	3.14	3.37	3.56	3.89	4.14	4.09	4.31	4.42	4.57	4.58	4.70	4.82	5.22	5.33	5.09	5.42	5.67
	70°F (21.1°C)	59°F (15°C)	TC	41.79	43.03	44.03	44.74	46.16	47.67	47.49	49.19	49.06	50.78	50.06	51.46	47.69	46.03	44.07	41.56	39.38	34.44
			SC	26.06	28.46	28.68	31.54	33.34	35.19	34.56	36.84	36.91	38.22	39.69	40.11	37.39	36.43	36.24	37.79	37.11	34.13
			Input	2.89	3.17	3.37	3.56	3.92	4.07	4.11	4.34	4.41	4.59	4.53	4.63	4.80	5.24	5.25	5.08	5.48	5.65
	75°F (23.9°C)	63°F (17.2°C)	TC	43.76	44.92	45.96	46.65	48.89	50.23	50.10	51.78	52.03	52.89	53.03	53.60	50.52	48.25	46.73	43.88	41.02	36.33
			SC	27.12	29.55	29.78	32.69	35.16	36.90	36.24	38.54	38.91	39.58	41.81	41.52	39.40	38.00	38.22	39.67	38.43	35.87
			Input	2.88	3.17	3.33	3.50	3.90	4.12	4.13	4.33	4.40	4.54	4.57	4.62	4.79	5.25	5.29	5.10	5.43	5.61
	80°F (26.7°C)	67°F (19.4°C)	TC	45.63	47.53	48.23	49.00	52.02	52.54	53.18	54.74	55.00	55.27	55.53	55.83	53.68	51.11	48.68	46.00	43.00	38.48
				28.11	31.13	31.06	34.15	37.19	38.35	38.29	40.50	40.92	41.18	43.54	42.99	41.60	40.07	39.63	41.40	40.03	37.79
			Input	2.84	3.16	3.33	3.51	3.98	4.06	4.14	4.39	4.42	4.46	4.50	4.54	5.09	5.23	5.19	5.13	5.39	5.62

LEGEND: **DB** – Dry Bulb **WB** – Wet Bulb **TC** – Total Net Capacity (1,000 BTU/h) **SC** – Sensible Capacity (1,000 BTU/h) **Input** – Total Power (kW) **COP** – W/W

DMA23 Multizone – DUA-HIDU Ducted Performance

HEATING			Outdoor conditions (DB)													
Model	Indoor Conditions DB		-13°F	-4°F	0°F	5°F	10°F	17°F	20°F	25°F	32°F	35°F	40°F	47°F	50°F	57°F
			-25°C	-20°C	-17.8°C	-15°C	-12.2°C	-8.3°C	-6.7°C	-3.9°C	0°C	1.7°C	4.4°C	8.3°C	10°C	13.9°C
DUA09HIDU230X5*2 DMA18HOM23230X2 (208-230V)	60°F (15.6°C)	TC	11.58	12.99	13.62	14.21	15.87	17.77	19.18	20.12	21.39	22.33	24.98	27.26	28.09	28.71
		Input	2.01	1.93	1.86	1.81	1.81	1.78	1.76	1.77	1.77	1.78	1.86	1.98	1.94	1.90
	65°F (18.3°C)	TC	11.29	12.57	13.16	13.74	15.40	17.34	18.53	19.61	20.72	21.79	24.25	26.49	27.22	27.82
		Input	2.07	1.97	1.90	1.86	1.84	1.83	1.81	1.82	1.81	1.82	1.92	2.03	1.99	1.94
	70°F (21.1°C)	TC	11.01	12.24	12.73	13.30	14.93	16.85	17.92	19.05	20.16	21.17	23.43	25.82	26.50	27.11
		Input	2.12	2.01	1.95	1.92	1.90	1.87	1.87	1.87	1.86	1.86	1.97	2.09	2.03	1.99
	75°F (23.9°C)	TC	10.62	11.75	12.22	12.71	14.29	16.23	17.29	18.25	19.39	20.22	22.42	24.87	25.39	25.89
		Input	2.18	2.08	2.01	1.97	1.96	1.92	1.93	1.93	1.92	1.91	2.03	2.15	2.08	2.05
DUA09HIDU230X5*3 DMA27HOM23230X2 (208-230V)	60°F (15.6°C)	TC	13.65	15.13	15.73	16.47	18.11	19.55	20.84	21.95	23.08	24.21	30.15	36.68	37.72	38.26
		Input	2.93	2.77	2.71	2.65	2.60	2.51	2.58	2.65	2.67	2.74	2.80	2.95	2.90	2.80
	65°F (18.3°C)	TC	13.26	14.69	15.27	15.96	17.60	18.98	20.23	21.37	22.41	23.57	29.24	35.51	36.62	37.32
		Input	3.00	2.86	2.80	2.73	2.68	2.57	2.65	2.71	2.75	2.80	2.88	3.03	2.96	2.89
	70°F (21.1°C)	TC	12.83	14.26	14.84	15.50	17.02	18.51	19.64	20.73	21.80	22.86	28.31	34.58	35.48	36.31
		Input	3.09	2.94	2.86	2.80	2.75	2.64	2.70	2.76	2.81	2.86	2.95	3.12	3.04	2.96
	75°F (23.9°C)	TC	12.32	13.62	14.23	14.85	16.31	17.87	18.78	19.86	20.81	21.85	27.32	33.37	33.89	34.74
		Input	3.17	3.03	2.95	2.87	2.83	2.72	2.77	2.84	2.91	2.95	3.04	3.22	3.14	3.06
DUA09HIDU230X5*4 DMA36HOM23230X2 (208-230V)	60°F (15.6°C)	TC	21.28	23.33	24.86	25.53	29.49	33.20	33.94	35.29	36.28	37.29	43.50	49.51	51.26	52.04
		Input	4.39	4.17	4.11	4.01	4.03	3.93	3.84	3.69	3.62	3.54	3.83	4.08	4.00	3.92
	65°F (18.3°C)	TC	20.58	22.74	24.02	24.91	28.57	32.11	33.05	34.09	35.19	36.24	42.44	48.21	49.52	50.33
		Input	4.50	4.30	4.19	4.09	4.12	4.03	3.93	3.80	3.73	3.62	3.95	4.18	4.10	4.01
	70°F (21.1°C)	TC	19.97	22.18	23.21	24.11	27.77	31.14	32.15	33.17	34.16	35.25	41.17	46.62	47.85	48.96
		Input	4.64	4.42	4.32	4.21	4.24	4.15	4.02	3.92	3.81	3.70	4.05	4.31	4.21	4.09
	75°F (23.9°C)	TC	19.07	21.27	22.16	23.27	26.71	29.86	30.99	31.71	32.93	33.84	39.56	44.71	46.08	47.10
		Input	4.77	4.55	4.46	4.32	4.36	4.27	4.16	4.03	3.90	3.80	4.17	4.44	4.35	4.21
DUA09HIDU230X5*4+ DUA12HIDU230X5 DMA48HOM23230X2 (208-230V)	60°F (15.6°C)	TC	25.73	28.61	29.52	30.92	35.59	40.08	41.24	41.93	42.80	43.94	51.55	57.13	58.61	60.39
		Input	5.31	5.00	4.88	4.81	4.74	4.74	4.62	4.56	4.50	4.36	4.63	4.75	4.65	4.50
	65°F (18.3°C)	TC	24.88	27.67	28.80	30.08	34.49	39.10	39.93	40.83	41.60	42.74	49.90	55.68	57.13	58.63
		Input	5.45	5.16	5.02	4.92	4.85	4.86	4.73	4.65	4.59	4.47	4.74	4.87	4.75	4.59
	70°F (21.1°C)	TC	24.27	26.97	28.10	29.32	33.35	37.82	38.76	39.68	40.58	41.45	48.26	54.06	55.52	56.76
		Input	5.56	5.30	5.16	5.05	4.98	4.98	4.88	4.79	4.70	4.60	4.87	4.97	4.88	4.73
	75°F (23.9°C)	TC	23.25	25.87	27.06	28.11	32.19	36.46	37.37	38.25	39.04	40.00	46.33	51.79	53.02	54.49
		Input	5.71	5.46	5.31	5.17	5.12	5.12	5.01	4.92	4.83	4.76	5.02	5.12	5.00	4.86

LEGEND: DB – Dry Bulb TC – Total Net Capacity (1,000 BTU/h) Input – Total Power (kW) COP – W/W