Series			Energy Star	Entry level	Energy Star	Entry level	Entry level	Entry level	Regular	Regular
Capacity			9K	12K	9K	12K	18K	24K	30K	36K
Indoor unit model			CGS09CA(I)	CGS12CA(I)	CGS09CD(I)	CGS12CD(I)	CGS18CD(I)	CGS24CD(I)	CGS30CD(I)	CGS36CD(I)
Outdoor unit model			CGS09CA(O)	CGS12CA(O)	CGS09CD(O)	CGS12CD(O)	CGS18CD(O)	CGS24CD(O)	CGS30CD(O)	CGS36CD(O)
Power supply	Rated	V, Ph, Hz	115, 1, 60	115, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
	Voltage range	V	103.5-126.5	103.5-126.5	187-253	187-253	187-253	187-253	187-253	187-253
Cooling	Rated Capacity (range)	Btu/h	9000(2650~10300)	12000(3800~12100)	9000(2900~10500)	12000(3800~13350)	18000(3900~20000)	24000(6200~24600)	30000(7200~31600)	36000(8300~37500)
	Input power	W	725	1165	715	1111	1638	2520	2855	3790
	Rated current	A	6.30	10.13	3.11	4.9	7.5	11.2	12.4	16.8
	EER	Btu/w	12.5	10.3	12.6	10.8	11	9.5	12.2	9.5
	SEER	Btu/w	21.5	20	21.5	20.5	19.5	18.5	20	18
Heating at 47℉	Rated Capacity (range)	Btu/h	10000(2700~10500)	12000(2730~12500)	10000(2400~10500)	12000(2730~13900)	18800(6300~19400)	24000(6800~26800)	30000(11700~32000)	36000(10900~37360)
	Input power	W	900	1154	905	1039	1806	2320	2750	3790
	Rated current	A	7.82	10.05	3.94	4.6	/	10.25	12.46	16.8
	COP	W/W	3.26	3.05	3.24	3.38	3.05	3.03	3.20	2.78
	HSPF4	Btu/w	10.3	10.8	10.0	10.7	10	10.2	10	12
	HSPF5	Btu/w	8.3	8.5	8.3	8.5	8.5	8.3	7.7	9
Heating at 17℉ (AHRI)	Rated capacity	Btu/h	6000	9000	6000	9000	12500	14800	17100	25000
Heating at 5℉ (-15℃)	Rated capacity	Btu/h	6000	7000	6000	8000	10000	15000	15800	20000
	COP	W/W	1.75	1.75	1.75	1.75	1.9	1.75	1.68	1.76
MINIMUM CIRCUIT AMPACITY (Outdoor unit)		A	20	18.5	3.0	15	15	19	23,0	28,0
MAX.FUSE (Outdoor unit)		A	30	25	15	15	20	30	30,0	35,0
Indoor air flow (Hi/Mi/Lo)		m3/h	406/289/233	510/410/300	419/300/240	495/335/265	780/560/460	929/684/562	1193/911/646	1110/760/560
Indoor air flow (Hi/Mi/Lo)		CFM	238.82/170.00/137.06	300.00/241.18/176.47	246.47/176.47/141.18	291.18/197.06/155.88	458.82/329.41/270.59	546.47/402.35/330.59	701.76/535.88/380.00	652.94/447.06/329.41
Indoor noise level (Hi/Mi/Lo)		dB(A)	37.5/28/20	41/35/26.5	37/28/20	41/35/24	45/38/30.0	45/39.5/36	49.5/43.5/39.5	54/45/40
Indoor unit	Dimension(W*D*H)	mm	729x200x292	802x200x295	729x200x292	802x200x295	971x228x321	1082x234x337	1259x283x362	1259x283x362
		inch	28.70x7.87x11.50	31.57x7.87x11.61	28.70x7.87x11.50	31.57x7.87x11.61	38.23x8.98x12.64	42.60x9.21x13.27	49.57x11.14x14.25	49.57x11.14x14.25
	Packing (W*D*H)	mm	790x270x375	875x285x380	790x270x375	875x285x380	1045x305x405	1155x415x315	1340x450x385	1340x450x385
		inch	31.10x10.63x14.76	34.45x11.22x14.96	31.10x10.63x14.76	34.45x11.22x14.96	41.14x12.01x15.94	45.47x16.34x12.40	52.76x17.72x15.16	52.76x17.72x15.16
	Net/Gross weight	Kg	8.0/10.3	8.4/10.9	8.0/10.2	8.5/10.9	11.1/14.4	13.6/17.3	19.5/25.2	19.4/25.2
		lbs.	17.64/22.71	18.52/24.03	17.64/22.49	18.74/24.03	24.47/31.75	29.98/38.14	42.99/55.56	42.77/55.56
Refrigerant piping	Liquid side/Gas side	mm	Φ6.35 / Φ9.52	Φ6.35 / Φ12.7	Φ6.35 / Φ9.52	Φ6.35 / Φ12.7	Φ6.35 / Φ12.7	Φ9.52 / Φ15.9	Φ9.52 / Φ15.9	Φ9.52 / Φ15.9
		inch	1/4" / 3/8"	1/4" / 1/2"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Outdoor air flow (Max.)		m3/h	2200	2100	2200	2100	2100	3000	3800	3800
Outdoor air flow (Max.)		CFM	1294	1235	1294	1235	1235	1765	2235	2235
Outdoor noise level (Sound pressure)		dB(A)	55	54	55	53.5	57	60	61.5	61.5
Throttle type			Capillary	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary +EXV	Capillary +EXV
Outdoor unit	Dimension (W×D×H)	mm	765x303x555	765x303x555	765x303x555	765x303x555	805x330x554	890x342x673	946x410x810	946x410x810
		inch	30.12x11.93x21.85	30.12x11.93x21.85	30.12x11.93x21.85	30.12x11.93x21.85	31.69x12.99x21.81	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89
	Packing (W×D×H)	mm	887x337x610	887x337x610	887x337x610	887x337x610	915x370x615	995x398x740	1090x500x885	1090x500x885
		inch	34.92x13.27x24.02	34.92x13.27x24.02	34.92x13.27x24.02	34.92x13.27x24.02	36.02x14.57x24.21	39.17x15.67x29.13	42.91x19.69x34.84	42.91x19.69x34.84
	Net/Gross weight	kg	26.2/28.8	28.2/30.7	25.0/27.6	26.9/29.4	33.5/36.2	13.6/17.3	64.3/68.9	68.1/72.1
		lbs.	57.76/63.49	62.17/67.68	55.11/60.85	59.30/64.82	73.85/79.81	29.98/38.14	141.76/151.90	150.13/158.95
Refrigerant	Type/Charged	g	R410A/720	R410A/810	R410A/720	R410A/810	R410A/1350	R410A/61780	R410A/2750	R410A/3400
		oz	R410A/25.4	R410A/28.6	R410A/25.4	R410A/28.6	R410A/47.6	R410A/62.8	R410A/97	R410A/119.9
Refrigerant precharge		ft	25	25	25	25	25	25	25	25
Additional charge for each ft		g/m	15	15	15	15	15	30	30	30
		oz/ft	0.16	0.16	0.16	0.16	0.16	0.32	0.32	0.32
Design pressure		PSIG	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340
Refrigerant piping	Liquid side/Gas side	mm	6.35/9.52	6.35/12.7	6.35/9.52	6.35/12.7	6.35/12.7	9.52/15.9	9.52/15.9	9.52/15.9
		inch	1/4" / 3/8"	1/4" / 1/2"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
	Max. pipe length	m	25,0	25,0	25,0	25,0	30	50,0	50,0	65,0
		ft	82,0	82,0	82,0	82,0	98,0	164,0	164,0	213,0
	Max. difference in level	m	10,0	10,0	10,0	10,0	20	25,0	25,0	30,0
		ft	32,8	32,8	32,8	32,8	66,0	82,0	82,0	98,0
Connection wiring			16AWG*4 Stranded, unshielded							
Indoor Ambient temperature	Cooling	℃	16~32	16~32	16~32	16~32	16~32	16~32	16~32	16~32
		℉	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90
	Heating	℃	0~30	0~30	0~30	0~30	0~30	0~30	0~30	0~30
		℉	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86
Outdoor Ambient temperature	Cooling	℃	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
		℉	5~122	5~122	5~122	5~122	5~122	5~122	5~122	5~122
	Heating	℃	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~30	-15~30
		℉	5~75	5~75	5~75	5~75	5~75	5~75	5~86	5~86