

Up to
20
SEER2



FULL DC
INVERTER

GOLDFIN
TECHNOLOGY



NOISELESS



MGTCA-20 SERIES
MINI SPLIT SYSTEM
INVERTER

MGTCA-20 Series Technical Specification

Model		MGTC09X416-20	MGTC09X426-20	MGTC12X416-20	MGTC12X426-20	MGTC18X426A-20	MGTC24X426A-20	MGTC36X426A-17	
Indoor Model		MGTC09E416-20	MGTC09E426-20	MGTC12E416-20	MGTC12E426-20	MGTC18E426A-20	MGTC24E426A-20	MGTC36E426A-17	
Outdoor Model		MGTC09C416-20	MGTC09C426-20	MGTC12C416-20	MGTC12C426-20	MGTC18C426A-20	MGTC24C426A-20	MGTC36C426A-17	
Type		Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only	
Control Type		Remote	Remote	Remote	Remote	Remote	Remote	Remote	
Rated Cooling Capacity	Btu/h	9000(2047-10236)	9000(2047-10236)	12000(2047-12625)	12000(2047-12625)	18000(5118-18595)	24000(6141-24900)	36000(7506-37532)	
	W	2638(600-3000)	2638(600-3000)	3517(600-3700)	3517(600-3700)	5275(1500-5450)	7030(1800-7300)	10550(2200-11000)	
EER (95°F/35°C)	Btu/W.h	11.80	11.80	11.45	11.80	10.00	10.25	9.0	
EER2 (95°F/35°C)	Btu/W.h	11.80	11.80	11.45	11.80	10.00	10.25	9.0	
SEER	Btu/W.h	20.00	20.00	20.00	20.00	20.00	20.00	19.00	
SEER2	Btu/W.h	20.00	20.00	20.00	20.00	20.00	20.00	19.00	
Power Supply	V/Ph/Hz	115V / 1Ph / 60Hz	208-230V / 1Ph / 60Hz	115V / 1Ph / 60Hz	208-230V / 1Ph / 60Hz	208-230V / 1Ph / 60Hz	208-230V / 1Ph / 60Hz	208-230V / 1Ph / 60Hz	
Voltage Range	V	97-138	165-265	97-138	165-265	165-265	165-265	165-265	
Rated Current	A	6.9 (1.9-14.0)	3.6 (1.0-7.0)	10.3 (1.9-14.0)	4.8 (1.0-7.0)	8.2 (1.5-12.0)	10.6 (1.7-14.0)	17.4 (2.7-20.5)	
Rated Input	W	763 (200-1450)	763 (220-1500)	1050 (200-1450)	1020 (220-1500)	1800 (350-2600)	2340 (350-3100)	4000 (390-4200)	
Max Current	A	14.5	7.0	14.5	7.0	13.0	14.0	20.5	
Max Power Input	W	1450	1540	1450	1540	2800	3100	4200	
Moisture Removal	Liters/h	1.3	1.3	1.3	1.3	1.8	2.2	3.0	
Pressure	High(DP)	MPa	4.5	4.5	4.5	4.5	4.5	4.5	
	Low(SP)	MPa	1.9	1.9	1.9	1.9	1.9	1.9	
Indoor Noise Level at Cooling	High	dB(A)	38	39	38	39	48	51	
	Med.	dB(A)	33	35	33	35	43	46	
	Low	dB(A)	29	30	29	30	39	40	
Outdoor Noise Level	dB(A)	52	52	52	52	56	59	61	
Refrigerant/Charge	Type/g/oz	R410A / 800g / 28.22oz	R410A / 720g / 25.40oz	R410A / 800g / 28.22oz	R410A / 720g / 25.40oz	R410A / 900g / 31.74oz	R410A / 1030g / 36.33oz	R410A / 2450g / 86.42oz	
Compressor	Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	
	Model	ASN98D32UEZ	ASN98D32UEZ	ASN98D32UEZ	ASN98D32UEZ	C-1RZ140H3CBF	C-6RZ180H1AAF	KTM240D43UMT	
	MFG	GMCC	GMCC	GMCC	GMCC	SANYO	SANYO	GMCC	
Indoor Air Circulation	m³/h	600	600	600	600	1230	1230	1500 / 1550	
Indoor Fan Type	-	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow	
Indoor Fan Speed H/M/L	Cooling	rpm	1320/1200/1000/800/700	1320/1200/1000/800/700	1320/1200/1000/800/700	1320/1200/1000/800/700	1270/1200/1000/850/700	1270/1200/1000/850/700	1250/1150/970/800/750
	Dry	rpm	1320	1320	1320	1320	1270	1270	1250
	Sleep	rpm	800	800	800	800	850	850	800
Indoor Fan Motor	-	22001-000307(AC)	22001-000267(AC) GGSDJ-06b(H)	22001-000307(AC)	22001-000267(AC) GGSDJ-06b(H)	22001-000240(DC) 210900290B	22001-000240(DC) 210900290B	22001-000240(DC) 210900290B	
Indoor Fan Motor Output	W	20	23	20	23	45	45	45	
Outdoor Fan Type	-	Propeller	Propeller	Propeller	Propeller	Propeller Fan	Propeller Fan	Propeller	
Outdoor Fan Motor	-	22001-000049(DC) GZSDJ-30(DC)	22001-000049(DC) GZSDJ-30(DC)	22001-000049(DC) GZSDJ-30(DC)	22001-000049(DC) GZSDJ-30(DC)	22001-000493(DC)	22001-000147(DC)	22001-000147(DC)	
Outdoor Fan Speed	rpm	1000	1000	1000	1000	1000	850	850	
Outdoor Fan Motor Output	W	33	33	33	33	33	85	85	
Connecting Pipe	Gas	in	3/8"	3/8"	3/8"	3/8"	3/8"	5/8"	
	Liquid	in	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
Connecting Wiring	Size x Core Number	4 x 16AWG	4 x 16AWG	4 x 16AWG	4 x 16AWG	4 x 16AWG	4 x 16AWG	4 x 16AWG	
Drainage Pipe	mm/in	0.D 16mm / 5/8"	0.D 16mm / 5/8"	0.D 16mm / 5/8"	0.D 16mm / 5/8"	0.D 16mm / 5/8"	0.D 16mm / 5/8"	0.D 16mm / 5/8"	
Suitable Area	m²/ft²	15-23 / 49.21-75.45	15-23 / 49.21-75.45	15-23 / 49.21-75.45	15-23 / 49.21-75.45	20-35 / 65.61-114.82	30-50 / 98.42-164.04	40-60 / 131.23-196.85	
Net Dimensions (W x D x H)	Indoor	mm	811×292×203	811×292×203	811×292×203	811×292×203	1010×315×220	1010×315×220	1186×340×258
		in	31.92×11.49×7.99	31.92×11.49×7.99	31.92×11.49×7.99	31.92×11.49×7.99	39.76×12.40×8.66	39.76×12.40×8.66	46.69×13.38×10.15
	Outdoor	mm	795×305×549	777×290×498	795×305×549	777×290×498	853×349×602	920×380×699	967×421×803
		in	31.29×11.41×19.60	30.59×11.41×19.60	31.29×11.41×19.60	30.59×11.41×19.60	33.58×13.74×23.70	36.22×14.96×27.51	38.07×16.57×31.61
Net Weight	Indoor	kg/lb	8.5 / 18.73	8.5 / 18.73	8.5 / 18.73	8.5 / 18.73	13 / 28.66	18 / 39.68	
	Outdoor	kg/lb	28 / 61.72	24 / 52.91	28 / 61.72	24 / 52.91	29 / 63.93	37 / 81.57	52 / 114.64
Packing Dimensions (W x D x H)	Indoor	mm	885×366×275	885×366×275	885×366×275	885×366×275	1096×390×297	1096×390×297	1265×420×337
		in	34.84×14.40×10.82	34.84×14.40×10.82	34.84×14.40×10.82	34.84×14.40×10.82	43.14×15.35×11.69	43.14×15.35×11.69	49.80×16.53×13.26
	Outdoor	mm	852×358×600	838×338×540	852×358×600	838×338×540	900×405×645	960×430×732	1022×480×835
		in	33.54×14.09×23.62	32.99×13.30×21.25	33.54×14.09×23.62	32.99×13.30×21.25	35.43×15.94×25.39	37.79×16.92×28.81	40.23×18.89×32.87
Gross Weight	Indoor	kg/lb	11 / 24.25	11 / 24.25	11 / 24.25	11 / 24.25	16 / 35.27	16 / 35.27	22 / 48.50
	Outdoor	kg/lb	32 / 70.54	28 / 61.72	32 / 70.54	28 / 61.72	33 / 72.75	42 / 92.59	58 / 127.86
Operation Temperature	°C/°F	16-31 / 61-88	16-31 / 61-88	16-31 / 61-88	16-31 / 61-88	16-31 / 61-88	16-31 / 61-88	16-31 / 61-88	
Ambient Temperature	Indoor	°C/°F	17-32 / 63-90	17-32 / 63-90	17-32 / 63-90	17-32 / 63-90	17-32 / 63-90	17-32 / 63-90	
	Outdoor	°C/°F	15-53 / 59-127	15-53 / 59-127	15-53 / 59-127	15-53 / 59-127	15-53 / 59-127	15-53 / 59-127	

