

Up to  
**20**  
SEER



FULL DC  
**INVERTER**

**GOLDFIN**  
TECHNOLOGY



**NOISELESS**



**MGTCA-20 SERIES**  
MINI SPLIT SYSTEM  
INVERTER







**MGTCA-20 Series Technical Specification**

Model		MGT09X416-20	MGT09X426-20	MGT12X416-20	MGT12X426-20	MGT18X426A-20	MGT24X426A-20	MGT36X426A-17	
<b>Indoor Model</b>		MGT09E416-20	MGT09E426-20	MGT12E416-20	MGT12E426-20	MGT18E426A-20	MGT24E426A-20	MGT36E426A-17	
<b>Outdoor Model</b>		MGT09C416-20	MGT09C426-20	MGT12C416-20	MGT12C426-20	MGT18C426A-20	MGT24C426A-20	MGT36C426A-17	
<b>Type</b>		Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only	
<b>Control Type</b>		Remote	Remote	Remote	Remote	Remote	Remote	Remote	
<b>Rated Cooling Capacity</b>	<b>Btu/h</b>	<b>9000(2047-10236)</b>	<b>9000(2047-10236)</b>	<b>12000(2047-12625)</b>	<b>12000(2047-12625)</b>	<b>18000(5118-18595)</b>	<b>24000(6141-24900)</b>	<b>36000(7506-37532)</b>	
	<b>W</b>	2638(600-3000)	2638(600-3000)	3517(600-3700)	3517(600-3700)	5275(1500-5450)	7030(1800-7300)	10550(2200-11000)	
<b>EER (95°F/35°C)</b>	<b>Btu/W.h</b>	11.80	11.80	11.45	11.80	10.00	10.25	9.0	
<b>EER2 (95°F/35°C)</b>	<b>Btu/W.h</b>	11.80	11.80	11.45	11.80	10.00	10.25	9.0	
<b>SEER</b>	<b>Btu/W.h</b>	20.00	20.00	20.00	20.00	20.00	20.00	19.00	
<b>SEER2</b>	<b>Btu/W.h</b>	20.00	20.00	20.00	20.00	20.00	20.00	19.00	
<b>Power Supply</b>	<b>V/Ph/Hz</b>	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	
<b>Voltage Range</b>	<b>V</b>	97-138	165-265	97-138	165-265	165-265	165-265	165-265	
<b>Rated Current</b>	<b>A</b>	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)	
<b>Rated Input</b>	<b>W</b>	763 (200-1450)	763 (220-1500)	1050 (200-1450)	1020 (220-1500)	1800 (350-2600)	2340 (350-3100)	4000 (390-4200)	
<b>Max Current</b>	<b>A</b>	14.5	7.0	14.5	7.0	13.0	14.0	20.5	
<b>Max Power Input</b>	<b>W</b>	1450	1540	1450	1540	2800	3100	4200	
<b>Moisture Removal</b>	<b>Liters/h</b>	1.3	1.3	1.3	1.3	1.8	2.2	3.0	
<b>Pressure</b>	<b>High(DP)</b>	<b>MPa</b>	4.5	4.5	4.5	4.5	4.5	4.5	
	<b>Low(SP)</b>	<b>MPa</b>	1.9	1.9	1.9	1.9	1.9	1.9	
<b>Indoor Noise Level at Cooling</b>	<b>High</b>	<b>dB(A)</b>	38	39	38	39	48	51	
	<b>Med.</b>	<b>dB(A)</b>	33	35	33	35	43	46	
	<b>Low</b>	<b>dB(A)</b>	29	30	29	30	39	40	
<b>Outdoor Noise Level</b>	<b>dB(A)</b>	52	52	52	52	56	59	61	
<b>Refrigerant/Charge</b>	<b>Type/g/oz</b>	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	
<b>Compressor</b>	<b>Type</b>	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	
	<b>Model</b>	ASN98D32UEZ	ASN98D32UEZ	ASN98D32UEZ	ASN98D32UEZ	C-1RZ140H3CBF	C-6RZ180H1AAF	KTM240D43UMT	
	<b>MFG</b>	GMCC	GMCC	GMCC	GMCC	SANYO	SANYO	GMCC	
<b>Indoor Air Circulation</b>	<b>m³/h</b>	600	600	600	600	1230	1230	1500 / 1550	
<b>Indoor Fan Type</b>	-	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow	
<b>Indoor Fan Speed H/M/L</b>	<b>Cooling</b>	<b>rpm</b>	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
	<b>Dry</b>	<b>rpm</b>	1320	1320	1320	1320	1270	1270	1250
	<b>Sleep</b>	<b>rpm</b>	800	800	800	800	850	850	800
<b>Indoor Fan Motor</b>	-	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	
<b>Indoor Fan Motor Output</b>	<b>W</b>	20	23	20	23	45	45	45	
<b>Outdoor Fan Type</b>	-	Propeller	Propeller	Propeller	Propeller	Propeller Fan	Propeller Fan	Propeller	
<b>Outdoor Fan Motor</b>	-	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)	
<b>Outdoor Fan Speed</b>	<b>rpm</b>	1000	1000	1000	1000	1000	850	850	
<b>Outdoor Fan Motor Output</b>	<b>W</b>	33	33	33	33	33	85	85	
<b>Connecting Pipe</b>	<b>Gas</b>	<b>in</b>	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"	
	<b>Liquid</b>	<b>in</b>	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
<b>Connecting Wiring</b>	<b>Size x Core Number</b>	4 x 16AWG	4 x 16AWG	4 x 16AWG	4 x 16AWG	4 x 16AWG	4 x 16AWG	4 x 16AWG	
<b>Drainage Pipe</b>	<b>mm/in</b>	O.D 16mm / 5/8"	O.D 16mm / 5/8"	O.D 16mm / 5/8"	O.D 16mm / 5/8"	O.D 16mm / 5/8"	O.D 16mm / 5/8"	O.D 16mm / 5/8"	
<b>Suitable Area</b>	<b>m²/ft²</b>	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	
<b>Net Dimensions (W x D x H)</b>	<b>Indoor</b>	<b>mm</b>	811x292x203	811x292x203	811x292x203	811x292x203	1010x315x220	1010x315x220	1186x340x258
		<b>in</b>	31.92x11.49x7.99	31.92x11.49x7.99	31.92x11.49x7.99	31.92x11.49x7.99	39.76x12.40x8.66	39.76x12.40x8.66	46.69x13.38x10.15
	<b>Outdoor</b>	<b>mm</b>	795x305x549	777x290x498	795x305x549	777x290x498	853x349x602	920x380x699	967x421x803
		<b>in</b>	31.29x11.41x19.60	30.59x11.41x19.60	31.29x11.41x19.60	30.59x11.41x19.60	33.58x13.74x23.70	36.22x14.96x27.51	38.07x16.57x31.61
<b>Net Weight</b>	<b>Indoor</b>	<b>kg/lb</b>	8.5 / 18.73	8.5 / 18.73	8.5 / 18.73	8.5 / 18.73	13 / 28.66	13 / 28.66	18 / 39.68
	<b>Outdoor</b>	<b>kg/lb</b>	28 / 61.72	24 / 52.91	28 / 61.72	24 / 52.91	29 / 63.93	37 / 81.57	52 / 114.64
<b>Packing Dimensions (W x D x H)</b>	<b>Indoor</b>	<b>mm</b>	885x366x275	885x366x275	885x366x275	885x366x275	1096x390x297	1096x390x297	1265x420x337
		<b>in</b>	34.84x14.40x10.82	34.84x14.40x10.82	34.84x14.40x10.82	34.84x14.40x10.82	43.14x15.35x11.69	43.14x15.35x11.69	49.80x16.53x13.26
	<b>Outdoor</b>	<b>mm</b>	852x358x600	838x338x540	852x358x600	838x338x540	900x405x645	960x430x732	1022x480x835
		<b>in</b>	33.54x14.09x23.62	32.99x13.30x21.25	33.54x14.09x23.62	32.99x13.30x21.25	35.43x15.94x25.39	37.79x16.92x28.81	40.23x18.89x32.87
<b>Gross Weight</b>	<b>Indoor</b>	<b>kg/lb</b>	11 / 24.25	11 / 24.25	11 / 24.25	11 / 24.25	16 / 35.27	22 / 48.50	
	<b>Outdoor</b>	<b>kg/lb</b>	32 / 70.54	28 / 61.72	32 / 70.54	28 / 61.72	33 / 72.75	42 / 92.59	58 / 127.86
<b>Operation Temperature</b>	<b>°C/°F</b>	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	
<b>Ambient Temperature</b>	<b>Indoor</b>	<b>°C/°F</b>	17-32 / 63-90	17-32 / 63-90	17-32 / 63-90	17-32 / 63-90	17-32 / 63-90	17-32 / 63-90	
	<b>Outdoor</b>	<b>°C/°F</b>	15-53 / 59-127	15-53 / 59-127	15-53 / 59-127	15-53 / 59-127	15-53 / 59-127	15-53 / 59-127	



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