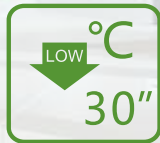




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# Technical Specifications



Model			WT-H09SA/XA51	WT-H12SA/XA51	WT-H18SA/XA51	WT-H24SA/XA51
Type			heating pump	heating pump	heating pump	heating pump
Control type			remote	remote	remote	remote
Rated cooling capacity		Btu/h	9000(2400-11500)	12000(3410-13000)	18000(4400-20000)	24000(5100-25600)
Rated cooling capacity		W	2640(700-3370)	3520(1000-3810)	5275(1200-5715)	7030(1500-7300)
Rated heating capacity		Btu/h	9500(2400-12500)	12500(3480-13500)	18500(4400-21500)	24000(5100-25600)
Rated heating capacity		W	2780(700-3660)	3660(1020-3960)	5275(1200-5715)	7034(1500-7300)
EER for cooling		W/W	3.20	3.20	3.20	3.20
COP for heating		W/W	3.61	3.61	3.61	3.61
Moisture removal		Liters/h	1.0	1.2	1.8	2.0
Pressure	High(DP)	MPa	3.7	3.7	3.7	3.7
	Low(SP)	MPa	1.2	1.2	1.2	1.2
Indoor noise level(S/H/M/L/Mute)		dB(A)	40/38/34/28/26	40/38/34/28/26	44/41/36/30/28	47/45/42/37/34
Outdoor noise level		dB(A)	49	49	54	55
Electrical Data						
Power supply			220-240V-/50Hz/1P	220-240V-/50Hz/1P	220-240V-/50Hz/1P	220-240V-/50Hz/1P
Voltage Range		V	187-265	187-265	187-265	187-265
Rated current	Cooling	A	3.8(1.3-7.1)	5.1(1.4-8.0)	8.5(1.4-12.0)	10.6(1.5-12.0)
	Heating	A	3.6(1.3-7.1)	4.7(1.4-8.0)	6.9(1.4-12.0)	9.2(1.5-13.0)
Rated input	Cooling	W	820(200-1600)	1095(300-1800)	1645(300-2500)	2190(350-2700)
	Heating	W	770(200-1600)	1013(300-1800)	1460(300-2500)	1950(350-2600)
Max Current	Cooling	A	7.1	8.0	12.0	12.0
	Heating	A	7.1	8.0	12.0	13.0
Max Power input	Cooling	W	1600	1800	2500	2700
	Heating	W	1600	1800	2500	2600
Refrigerating&Fan System						
Refrigerant/Charge		kg	R32/0.400	R32/0.460	R32/0.670	R32/1.040
Compressor	Type		Rotary	Rotary	Rotary	Rotary
	Brand		GMCC	GMCC	HIGHLY	SANYO
Expansion device			Capillary tube	Capillary tube	Capillary tube	Capillary tube
Indoor air circulation(Cooling/Heating)		m <sup>3</sup> /h	460/500	500/550	800/800	1000/1000
Evaporator	a.Number of rows		1	1	2	2
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
Condenser	a.Number of rows		1	1	1	2
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
Connections						
Connecting Pipe	Gas	mm	Φ9.52(3/8")	Φ9.52(3/8")	Φ9.52(3/8")	Φ12(1/2")
	Liquid	mm	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")
Connecting Wiring		Core number x Size	4×1.0	4×1.0	4×0.75	4×0.75
Others						
Suitable area		m <sup>2</sup>	9-16	15-23	20-35	27-45
Max. refrigerant pipe length		m	15	15	15	15
Max. difference in level		m	5	5	5	5
Operation temperature range		°C	16-31	16-31	16-31	16-31
Ambient temperature range	Outdoor	°C	Cooling:0-53/Heating:-15-30	Cooling:0-53/Heating:-15-30	Cooling:0-53/Heating:-15-30	Cooling:0-53/Heating:-15-30
	Indoor	°C	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30
Net dimensions (W x D x H)	Indoor	mm	698×255×190	777×250×201	910×294×206	1010×315×220
	Outdoor	mm	712×276×459	712×276×459	795×305×549	853×349×602
Net weight	Indoor	kg	6.5	7.5	10	12
	Outdoor	kg	19.5	20	24.5	31
Packing dimensions (W x D x H)	Indoor	mm	764×325×257	840×315×260	979×372×277	1096×390×297
	Outdoor(w/o pipe)	mm	765×310×481	765×310×481	835×328×575	890×385×628
	Outdoor(w/i pipe)	mm	775×325×530	775×325×530	835×340×585	890×385×628
Gross weight	Indoor	kg	8.5	9.5	13	14.5
	Outdoor(w/o pipe)	kg	21	21.5	27.5	33.5
	Outdoor(w/i pipe)	kg	22	22.5	29	35
Loading Capacity w/o pipe		20'/40'GP/40'HQ	372	355	258	196
Loading Capacity w/i pipe		20'/40'GP/40'HQ	336	320	248	196