

# Mega Inverter

Sales Model			LSN090HEV/LSU090HEV	LSN120HEV/LSU120HEV	
Model		Unit	AS-W093WSA7	AS-W123BSA7	
Cooling Capacity		kW	2.49	3.52	
		Btu/h.	8,500	12,000	
Heating Capacity		kW	2.64	3.52	
		Btu/h.	9,000	12,000	
Power Input	Cooling/Heating	W	780/ 780	1,170/980	
Running Current	Cooling/Heating	A	3.6/3.6	5.2/4.4	
Starting Current	Cooling/Heating	A	3.6/3.6	5.2/4.4	
Cooling COP			3.19	3.00	
EER			10.90	10.26	
SEER			16.3	16.3	
HSPF			8.3	8.5	
Power Supply		Ø / V / Hz	1/208-230/60	1/208-230/60	
Power Factor		%	94	95	
Air Flow Rate	Indoor,Max/H/M/L	m <sup>3</sup> /min(CFM)	9(318)/8(276)/6(226)/5(177)	12(424)/10(353)/8(272)/6(212)	
	Outdoor,Max	m <sup>3</sup> /min(CFM)	27(953)	27(953)	
Moisture Removal		l/h.(pts/hr)	1.0(2.12)	1.3(2.76)	
Sound Level	Indoor,H/M/L	dB(A)+3	39 / 33 / 25	39 / 33 / 25	
	Outdoor,Max	dB(A)+3	47	47	
Refrigerant & Charge (at 7.5 m/24.6 ft)		g(oz)	R410A, 750(26.5)	R410A, 750(26.5)	
Additional Refrigerant Charge		g/m(oz/ft)	20(0.22)	20(0.22)	
Compressor	Type		Rotary	Rotary	
	Model		GA092MMA	GA092MAB	
	Motor Type		Brushless DC Motor	Brushless DC Motor	
	Oil Type		FVC68D	FVC68D	
Oil Charge	cc		310	310	
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan	
	Motor Type		BLDC	BLDC	
	Motor Output	W	20	20	
Fan(outdoor)	Type		Propeller	Propeller	
	Motor Type		AC	AC	
	Motor Output	W	75	75	
Circuit Breaker*		A	15	15	
Power Supply Cable		No.*mm <sup>2</sup> (AWG)	3*1.0(18)	3*1.0(18)	
Power and Transmission Cable		No.*mm <sup>2</sup> (AWG)	4*1.0(18)	4*1.0(18)	
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)	
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)	
Drain Hose(O.D / I.D.)		mm(in)	21.5 / 16.0(0.85 / 0.63)	21.5 / 16.0(0.85 / 0.63)	
Dimension	Indoor(W*H*D)	mm	756 x 265 x 184	885 x 285 x 210	
		inch	29 3/4*10 7/16*7 1/4	34 13/16*11 1/4* 8 1/4	
	Outdoor(W*H*D)	mm	717 x 483 x 230	717 x 483 x 230	
		inch	28 1/4*19 1/32*9 1/16	28 1/4*19 1/32*9 1/16	
Net Weight	Indoor	kg(lbs)	7.2(15.9)	9(19.8)	
	Outdoor	kg(lbs)	23.2(51.1)	22.0(48.5)	
Gross Weight	Indoor	kg(lbs)	9.1(20.1)	11(24.2)	
	Outdoor	kg(lbs)	25.4(55.3)	23.6(52.1)	
Operation Range	Cooling(Outdoor)	°C(°F)DB	18~48(64~118)	18~48(64~118)	
	Heating(Outdoor)	°C(°F)WB	-5~24(23~75)	-5~24(23~75)	
Piping Length (Min/Max)		m(ft)	3 (9.8) / 15 (49.2)	3 (9.8) / 15 (49.2)	
Chargeless		m(ft)	7.5(24.6)	7.5(24.6)	
Max. Elevation Difference		m(ft)	7(22.9)	7(22.9)	
Tool Code(Chassis)	Indoor + Outdoor		SW + UA3+	SB + UA3+	
Functions	Temperature Control		Thermistor	Thermistor	
	Allergy free filter		-	-	
	Plasma Filter		-	-	
	Prefilter(washable/anti-fungus)		0	0	
	Auto Clean		0	0	
	CHAOS Wind(Auto Wind)		0	0	
	Steps, Fan/Cool/Heat		4/4/4	4/4/4	
	Airflow Direction Control(up& Down)		Auto	Auto	
	Airflow Direction Control(left & right)		Manual	Manual	
	Remote Controller Type		Wireless Remote Controller	Wireless Remote Controller	
	Setting Temperature Range	Cooling		18°C(64.4°F)~ 30°C(86°F)	18°C(64.4°F)~ 30°C(86°F)
		Heating		16°C(60.8°F)~ 30°C(86°F)	16°C(60.8°F)~ 30°C(86°F)
	Auto Operation (Micom Control)		-	-	
	Auto Changeover (Micom Control)		0	0	
	Self Diagnosis		0	0	
	Timer		24h, On/Off	24h, On/Off	
	Sleep Operation		0	0	
	Soft Dry Operation		0	0	
	Restart Delay(minute)		3	3	
	Deice Control(Defrost)		0	0	
	Hot Start		0	0	
	Jet Cool		0	0	
	Low Ambient Operation		-	-	
	Special Function			WATER LEVEL SENSOR	WATER LEVEL SENSOR

Note : O : Applied, X : Not applied, - : No relation  
 • Filters are optional in some specific areas.  
 • For Circuit Breaker Rating, please conform to local standards whenever necessary.

Sales Model		LSN180HEV/LSU180HEV		LSN240HEV/LSU240HEV		
Model		Unit	AS-W183CSA7	Unit	AS-W243CSA7	
Cooling Capacity		kW	4.98		6.45	
		Btu/h.	17,000		22,000	
Heating Capacity		kW	5.57		6.45	
		Btu/h.	19,000		22,000	
Power Input	Cooling/Heating	W	1,550 / 1,590		2,045 / 1,935	
Running Current	Cooling/Heating	A	7.2 / 7.1		9.1 / 8.7	
Starting Current	Cooling/Heating	A	7.2 / 7.1		9.1 / 8.7	
Cooling COP			3.21		3.15	
EER			10.95		10.75	
SEER			17.0		17.0	
HSPF			8.7		8.5	
Power Supply		Ø / V / Hz	1/208-230/60		1/208-230/60	
Power Factor		%	93.6		95	
Air Flow Rate	Indoor,Max/H/M/L	m <sup>3</sup> /min(CFM)	18(629)/14(512)/12(441)/10(353)		20(689)/17(600)/14(494)/11(388)	
	Outdoor,Max	m <sup>3</sup> /min(CFM)	38 (1342)		50(1,766)	
Moisture Removal		l/h.(pts/hr)	1.6(3.39)		2.3(4.88)	
Sound Level	Indoor,H/M/L	dB(A)+3	42 / 40 / 35		45 / 40 / 35	
	Outdoor,Max	dB(A)+3	51		53	
Refrigerant & Charge (at 7.5 m/24.6 ft)		g(oz)	R410A, 1,060(37.4)		R410A, 1,170(41.3)	
Additional Refrigerant Charge		g/m(oz/ft)	30(0.33)		30(0.33)	
Compressor	Type		Twin Rotary		Twin Rotary	
	Model		GKT141MBA		GKT176MF	
	Motor Type		Brushless DC Motor		Brushless DC Motor	
	Oil Type		FVC68D		FVC68D	
	Oil Charge	cc	470		470	
Fan(Indoor)	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Type		BLDC		BLDC	
	Motor Output	W	30		30	
Fan(outdoor)	Type		Propeller		Propeller	
	Motor Type		BLDC		BLDC	
	Motor Output	W	43		124	
Circuit Breaker*		A	20		20	
Power Supply Cable		No.*mm <sup>2</sup> (AWG)	3*1.0(18)		3*1.5(16)	
Power and Transmission Cable		No.*mm <sup>2</sup> (AWG)	4*1.0(18)		4*1.0(18)	
Piping Connections	Liquid Side	mm(in)	6.35(1/4)		6.35(1/4)	
	Gas Side	mm(in)	12.7(1/2)		15.88(5/8)	
Drain Hose(O.D / I.D.)		mm(in)	21.5 / 16.0(0.85 / 0.63)		21.5 / 16.0(0.85 / 0.63)	
Dimension	Indoor(W*H*D)	mm	1,030*325*250		1,030*325*250	
		inch	40 9/16*12 13/16*9 13/16		40 9/16*12 13/16*9 13/16	
	Outdoor(W*H*D)	mm	770*545*288		870*655*320	
		inch	30 5/16*21 1/2*11 5/16		34 1/4*25 13/16*12 19/32	
Net Weight	Indoor	kg(lbs)	12.4(27.3)		12.6(27.8)	
	Outdoor	kg(lbs)	32.4(71.4)		41.7(91.9)	
Gross Weight	Indoor	kg(lbs)	13.4(29.5)		15(33.1)	
	Outdoor	kg(lbs)	34.5(76.1)		47(103.6)	
Operation Range	Cooling(Outdoor)	°C(°F)DB	18~48(64~118)		18~48(64~118)	
	Heating(Outdoor)	°C(°F)WB	-5~24(23~75)		-5~24(23~75)	
Piping Length (Min/Max)		m(ft)	3(9.8)/20(65.6)		3(9.8)/20(65.6)	
Chargeless		m(ft)	7.5(24.6)		7.5(24.6)	
Max. Elevation Difference		m(ft)	10(32.8)		10(32.8)	
Tool Code(Chassis)	Indoor + Outdoor		SC + UL2		SC + UE	
Functions	Temperature Control		Thermistor		Thermistor	
	Allergy free filter		-		-	
	Plasma Filter		-		-	
	Prefilter(washable/anti-fungus)		0		0	
	Auto Clean		0		0	
	CHAOS Wind(Auto Wind)		0		0	
	Steps, Fan/Cool/Heat		4/4/4		4/4/4	
	Airflow Direction Control(up& Down)		Auto		Auto	
	Airflow Direction Control(left & right)		Manual		Manual	
	Remote Controller Type		Wireless Remote Controller		Wireless Remote Controller	
	Setting Temperature Range	Cooling		18°C(64.4°F)~ 30°C(86°F)		18°C(64.4°F)~ 30°C(86°F)
		Heating		16°C(60.8°F)~ 30°C(86°F)		16°C(60.8°F)~ 30°C(86°F)
	Auto Operation (Micom Control)		-		-	
	Auto Changeover (Micom Control)		0		0	
	Self Diagnosis		0		0	
	Timer		24h, On/Off		24h, On/Off	
	Sleep Operation		0		0	
	Soft Dry Operation		0		0	
	Restart Delay(minute)		3		3	
	Deice Control(Defrost)		0		0	
	Hot Start		0		0	
	Jet Cool		0		0	
	Low Ambient Operation		-		-	
	Special Function			WATER LEVEL SENSOR		WATER LEVEL SENSOR

Note : O : Applied, X : Not applied, - : No relation

• Filters are optional in some specific areas.

• For Circuit Breaker Rating, please conform to local standards whenever necessary.