

1. Air-to-Water Heatpump (Type W1)

1-1. Specifications

Unit specifications

INDOOR		MODEL		S-80MW1E5			S-125MW1E5				
PERFORMANCE TEST CONDITION				EN14511							
POWER SUPPLY		ø, Hz		1ø 50Hz			1ø 50Hz				
		V		220	230	240	220	230	240		
C O L I N G	CAPACITY	kW		8.00	8.00	8.00	12.5	12.5	12.5		
		BTU/h		27300	27300	27300	42700	42700	42700		
		kcal/h(Fri./h)		-	-	-	-	-	-		
	CURRENT		Rated/Max. A		0.28 / 1.17	0.28 / 1.18	0.28 / 1.19	0.50 / 1.17	0.52 / 1.18	0.52 / 1.19	
	INPUT POWER		Rated/Max. kW		0.04 / 0.18	0.04 / 0.19	0.04 / 0.20	0.07 / 0.18	0.07 / 0.19	0.08 / 0.20	
	ANNUAL CONSUMPTION		W		-	-	-	-	-	-	
	EER/EER CLASS		(W/W) / ("A"~"G")		-	-	-	-	-	-	
	EER		BTU/hW		-	-	-	-	-	-	
	POWER FACTOR		%		-	-	-	-	-	-	
	NOISE INDOOR		Rated/Max. dB (A)		35 / 37			37 / 39			
Rated/Max. Power Level dB			48 / 50			50 / 52					
NOISE OUTDOOR (H/L)		dB-A		-			-				
		Power Level dB		-			-				
H E A T I N G	CAPACITY	kW		9.00	9.00	9.00	14.0	14.0	14.0		
		BTU/h		30700	30700	30700	47800	47800	47800		
		kcal/h(Fri./h)		-	-	-	-	-	-		
	CURRENT		Rated/Max. A		0.36 / 13.7	0.36 / 14.3	0.37 / 14.9	0.59 / 13.7	0.61 / 14.3	0.62 / 14.9	
	INPUT POWER		Rated/Max. kW		0.05 / 2.94	0.05 / 3.20	0.05 / 3.48	0.08 / 2.94	0.09 / 3.20	0.09 / 3.48	
	COP/COP CLASS		(W/W) / ("A"~"G")		-	-	-	-	-	-	
	COP		BTU/hW		-	-	-	-	-	-	
	POWER FACTOR		%		-	-	-	-	-	-	
	NOISE INDOOR		Rated/Max. dB (A)		34 / 37			36 / 39			
			Rated/Max. Power Level dB		47 / 50			49 / 52			
NOISE OUTDOOR (H/L)		dB-A		-			-				
		Power Level dB		-			-				
EXTRA LOW TEMP	CAPACITY(kW)/INPUT POWER(W)/COP		-			-					
Cooling	MAX CURRENT(A)/MAX INPUT POWER(kW)		1.17 / 0.18	1.18 / 0.19	1.19 / 0.20	1.17 / 0.18	1.18 / 0.19	1.19 / 0.20			
Heating	MAX CURRENT(A)/MAX INPUT POWER(kW)		13.7 / 2.94	14.3 / 3.20	14.9 / 3.48	13.7 / 2.94	14.3 / 3.20	14.9 / 3.48			
STARTING CURRENT(A)/COMP OUTPUT(W)		-		-		-		-			
NETWORK IMPEDANCE(ΩMAX.)		-		-		-		-			
FM OUTPUT (ID/OD) W		-		/		-		/			
MOISTURE REMOVAL VOLUME		L/h (Pt/h)		-		(-)		(-)			
Extarnal static pressure		Pa		-		-		-			
I/D WATER FLOW	COOL	L/min		22.9		35.8					
	HEAT	L/min		25.8		40.1					
Maximum working pressure (water)		MPa		0.3		0.3					
Minimum water amount		Litres		50		50					
P R O M	HEIGHT : H mm (inch)		892 (35-1/8)			892 (35-1/8)					
	WIDTH : W mm (inch)		502 (19-25/32)			502 (19-25/32)					
	DEPTH : D mm (inch)		353 (13-29/32)			353 (13-29/32)					
P A I C M	HEIGHT : H mm (inch)		1,041 (41)			1,041 (41)					
	WIDTH : W mm (inch)		626 (24-21/32)			626 (24-21/32)					
	DEPTH : D mm (inch)		462 (18-7/32)			462 (18-7/32)					
MASS	(NET) kg (lb)		43 (95)			43 (95)					
	(GROSS) kg(lb)		50 (110)			50 (110)					
LAYERS LIMIT (actually)		3(4)			3(4)						
Operation Condition (Heat pump Opration)		Cool O.D(DBT)		-10 ~ 43							
		Heat O.D(DBT)		-20 ~ 43							
		Cool & Heat MIX O.D(DBT)		-10 ~ 43							
		Cool Water outlet		5 ~ 20							
		Heat Water outlet		25 ~ 45							
		Cool Water inlet		10 ~ 45							
Heat Water inlet		10 ~ 45									
P I P I N G	PIPE DIAMETER mm (inch)		(Liquid)ø9.52 (3/8) (Gas)ø15.88 (5/8) (Water)ø31.75(1-1/4)			(Liquid)ø9.52 (3/8) (Gas)ø15.88 (5/8) (Water)ø31.75(1-1/4)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type			flared type					
	ADD GAS AMOUNT g/m (oz/ft)		-			-					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		-			-					