Straight Equivalent Length Of Joints; Additional Refrigerant Charge -Sanyo R410A Installation Instructions Manual

W-3way eco-i system air conditioner

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Table 1-6 Refrigerant Charge	Amount at Sh	ipment (for outd	oor unit)		
CHDZ07263					
DC CHDZR07263					
(oz)					
416					
Table 1-7 Indoor Unit Tubing (Connection Size	ze(
Indoor unit type	1 1		-		
Total system horsepower					
Suction tubing					
Distribution joint-solenoid				/ /	
Discharge tubing				/ /	_
valve kit tubing				/ /	<u>'</u>
Liquid tubing		/	/		
Solenoid valve					
1	1				'

Gas tubing			
kit-Indoor			
unit tubing			
Liquid tubing			
connection			
*1: For the solenoid valve kits, use type	 ne 160 with parallel specifi	 cations. Branch the tubing	before and after the
solenoid valve kits.			,
		l l	
1-7 Straight Equivalent Leng	th of Joints		
Design the tubing system by refe	erring to the following t	able for the straight d	quivalent length of
joints.			/ /
Table 1-8 Straight Equivalent	: Length of Joints		
Gas tubing size (in.(mm))			/ /
90 elbow		/ /	
45 elbow		, ,	
U-shape tube bent			
(R2-23/64-3-15/16 in.) Trap bend		/ /	
Y -br anch distr ib ution joint			
Ball v alv e f or ser vice			
Table 1-9 Refrigerant tubing	(Existing tubing can	be used.)	
Material O			
ø1/4" (ø6.35)			
t1/32 (t0.8)			
ø3/8" (ø9.52)			
t1/32 (t0.8)			
ø1/2" (ø12.7)			
t1/32 (t0.8)			
ø5/8 " (ø15.88)			
t5/128 (t1.0)	Vlan		ih con
ø3/4 " (ø19.05)		ucupt.	
over t5/128 (t1.0)			
ø7/8" (ø22.22)			
t5/128 (t1.0)			
1-8. Additional Refrigerant Ch	narge		
Additional refrigerant charge am		the liquid tubing total	length and a type of
outdoor unit as follows.	ounc is carpaiated ironi	The liquid cubing total	Terigeri and a cype of
	garant Charga Dar f		
Table 1-10-1 Amount of Refri		••)	
According to Liquid Tubing Si	lze		
Liquid tubing			
Ø1/4" Ø3/8"			
Size			
(ø6,35)			
(ø9. <u>52)</u>			
Amount of			
refrigerant			
0.279 0.602			
charge (oz/ft.)			
		I	1

CHDZ09663									
CHDZR09663									
416				\neg					
7									
				_					
9									
0.8	<u> </u>			_					
1									
1/2"				Q	Q				
5/8"									\top
(12.7)									+
(15.88) 1 ft.							/	/	
1.1 ft.							/	/	
(0.30 m)									
(0.35 m)							/	/	
0.8 ft.									
0.9 ft.				/	,	/			
(0.23 m)									+
				/		,			
(0.26 m) 3 ft.				,	,				
3.4 ft.	•								
(0.90 m)									
(1.05 m)									
7.5 ft.									
9.2 ft.									
(2.30 m)									
(2.80 m)									
Tubing size (in. (mm))									
Material 1/2H • H									
ø1-1/8" (ø28.58)	\Box	_							
ø1- <u>1</u> /4" (ø31.75)		1							
ø1-1/2" (ø38.10)	Ŕ	N/1 /	a la	4			ib.	\sim	14
ø1-5/8" (ø41.28)	8	عالكا							
ø1/2	(I)					T	I		
ø5/8	ĺÛ	<i>i</i>							
ø3/4'	II 66	<u> </u>							
(ø12,7)	(U)	lil							
(ø15 88)		-				'			
(ø19.05)	-=((L I							
(ø22,22)									
1.38									
1.99									
2.78									
-									
)									
1									
40									
12									
15		 			_				
18									
1.3		-							
1.7									
2		\neg							
05/8" (015.88)									
, ,									

01/2" (012.7)							
03/8" (09.52)							
01/2 (012.7)			7				
01/4" (06.35)							
3/4"			1				
7/8"			J				
1"							
(19.05)			Q Q				
(22. 22)							\top
(25. <mark>4)</mark>							
1.4 ft							
1.6 ft.					/	/	
1.7 ft.					/	/	
(0.42 m) (0.48 m)					/	/	
(0.44 m) (0.52 m)							
1 ft.			/	/			
1.2 ft.							
1.3 ft.			/	/			
(0.32 m)			,	′			
(0.36 m)							
(0.39 m)							
4.1 ft.							
4.7 ft. 5.1 ft.							
(1.26 m)							
(1.44 m)							
(1.56 m)							
10.5 ft.							
12.5 ft.							
14.1 ft. 。	₩.						
(3.2 <mark>0 m)</mark>					 		
(3.80 m) _a	\$	anı	па	Ċ	ih	\mathbf{c}	
(4.30 m) Equiv alent length con v ersion not needed.			ЩСШ	كالب			
Equiv alent length con v ersion not needed.							
t5/128 (t1.0)							
t3/64 (t1.1)	\mathbb{U}						
over t3/64 (t1.15)	0-						
over t3/64 (t1.20)	- 59_						
Required amount of additional refrig	orant dhar	ao –					
1	I .						
(A mount of additional refrigerant classes	narge per	L. Ul					
ø7/8"	o ostalo V st. st.	\/ \1					
each size of liquid tube × its tube le							
+ [(Necessary amount of additional	retrigerant	charge					
3.93			Т				
per outdoor unit + () + ()]							
* A ways charge accurately using a sca	le for weigh	ning.					
10							
19							
24							
36							
2.1							
3							

4								
o5/8" (o15.88)								
03/8 " (09.5 2)								
1-1/B"								
1-1/4"								
1-1/2"								
(28.58)				۸ ۸				
(31.8)				l l				
(38.1)								
1.9 ft.		+					+	+
2.3 ft.								
2.6 ft.						/	/	
(0.57 m)						/	/	
(0.70m)						/	/	
(0.79 m)							/	
1.4 ft.				/	/			
1.7 ft.				,	,			
1.9 ft.								
(0.43 m)				/	/			
(0.53 <u>m)</u>								
(0.59 m)								
5.6 ft.								
6.9 ft.								
7.8 ft.								
(1.71 m)								
(2.10 m)								
(2.37 m)								
15.4 ft. 16.4 ft.								
14.0 ft.								
(4.70 m) •	ф							
(5.00 m)	₩							
(5.80 m) •	<u></u>		4	10			0.0	
* When bending the tubes, use a bending	\$				\mathbb{S} L			
radius that is at least 4 times the outer				· † · -	- i -		T	
diarheter of the tubes.	.II. @							
In addition, take sufficient care to avoid								
crushing or damaging the tubes when	0-					-1	-1	
bending them.	-EQL							
Unit: in. (mm)								
48								
54								
5								
							1	
5.5							I	
	Tah	le of Cor	ntento					
	100	51 601	.comes					

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Quick Links: Remote Controller Test Run Settings Meaning of Alarm Messages		

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