

### Multi outdoor unit specification

Technical Specifications		2x1	2x1	3x1	3x1	4x1	5x1	
Model No.		DOSM-14KDT	DOSM-18KDT-3	DOSM-21KDT	DOSM-27KDT-3	DOSM-32KDT	DOSM-42KDT	
Standard indoor combination under Erp		7+7	09+09	07+07+07	09+09+09	09+09+09+09	09+09+09+09+09	
One unit		07,09,12	09,12,18	/	/	/	/	
Two units		09+09;09+12	09+09,09+12,09+18,12+12	09+09,09+12,12+12,09+18,12+18	09+09,09+12,12+12,09+18,12+18,18+18	09+09,09+12,12+12,09+18,12+18,18+18	09+09,09+12,12+12,09+18,12+18,18+18	
Three units		None	None	09+09+09,09+09+12	09+09+09,09+09+12,09+09+18,09+12+12,09+12+18,12+12+12	09+09+09,09+09+12,09+12+12,09+09+18,09+12+18,12+12+12,12+12+18,09+18+18	09+09+09,09+09+12,09+12+12,09+09+18,09+12+18,12+12+12,12+12+18,18+18+18,09+18+18	
Four units		None	None	None	None	9+9+9+9,9+9+9+12,9+9+9+18,9+9+12+12,9+12+12+12	09+09+09+09,09+09+09+12,09+09+09+18,09+09+12+12,09+09+12+18,09+12+12+12,09+12+12+18,09+18+18+18,12+12+12+12,12+12+12+18,12+12+12+18	
Five units		None	None	None	None	None	09+09+09+09+09,09+09+09+09+12,09+09+09+09+18,09+09+09+12+12,09+09+09+12+18,09+09+09+12+12,09+09+09+12+18,09+09+09+12+12+12,09+09+09+12+12+18,09+09+09+12+12+18,12+12+12+12+18,12+12+12+12+18	
Control type		Remote Controller	Remote Controller	Remote Controller	Remote Controller	Remote Controller	Remote Controller	
Cooling capacity	Btu/h	14000(4000~16500)	17400(4200~19100)	21000(9500~22500)	27000(9500~30000)	32000(10600~35000)	42000(11300~44700)	
	W	4100(1200~4850)	5100(1230~5600)	6200(2800~6600)	7900(2800~8800)	9400(3100~10200)	12200(3300~13100)	
Heating capacity	Btu/h	15350(4300~17800)	18000(4400~19600)	22000(8350~23200)	27000(8350~30000)	32000(8700~35000)	42000(11300~44700)	
	W	4500(1250~5200)	5200(1290~5750)	6500(2450~6800)	7960(2450~8800)	9450(2550~10200)	12200(3300~13100)	
Phdesignnc	Btu/h	14000	18000	21000	27000	32000	42000	
	W	4100	5100	6200	7900	9300	12200	
Phdesignnh	Btu/h	12300	13650	20500	19100	25000	32400	
	W	3600	4000	5400	5600	7300	9500	
SEER (Class)	W/W	6.1 (A++)	6.1 (A++)	6.1 (A++)	6.1 (A++)	6.1 (A++)	6.1 (A++)	
SCOP (Class)	W/W	4.0 (A+)	4.0 (A+)	4.0 (A+)	4.0 (A+)	4.0 (A+)	4.0 (A+)	
EER	W/W	3,29	3,30	3,23	3,23	3,40	3,20	
COP	W/W	3,71	3,90	3,71	3,71	3,71	3,31	
Declare capacity(-10℃)	W	3200	3800	5100	5200	6800	9300	
Elbu (Backup electrical capacity)	W	400	200	300	400	500	200	
Outdoor sound power level	dB(A)	64	65	67	67	70	70	
Phdesignnh warmer	W	3900	4000	5600	5700	7500	9700	
SCOP warmer (Class)	W/W	4.6(A++)	4.6(A++)	4.6(A++)	4.6(A++)	4.6(A++)	4.6(A++)	
Declare capacity(2℃)	W	3900	4000	5600	5700	7500	9700	
Elbu (Backup electrical capacity)	W	0	0	0	0	0	0	
Phdesignnh Colder	W	3400	4500	4300	6000	5400	9000	
SCOP Colder (Class)	W/W	3.6(A)	3.4(A)	3.6(A)	3.4(A)	3.6(A)	3.1(B)	
Declare capacity(-22℃)	W	3100	4000	4000	5100	4600	8000	
Elbu (Backup electrical capacity)	W	300	500	300	900	800	1000	
<b>Electrical Data</b>								
Power supply		220-240V~/50HZ	220-240V~/50HZ	220-240V~/50HZ	220-240V~/50HZ	220-240V~/50HZ	220-240V~/50HZ	
Voltage Range		V	165~265	165~265	165~265	165~265	165~265	
Power input		W	1269(250~1660)	1545(280~2050)	1920(340~2580)	2445(350~2850)	2765(410~3500)	3812(730~5400)

Power input	Heating	W	1212(230~1660)	1333(280~2050)	1752(400~2580)	2145(420~2850)	2547(510~3500)	3686(800~5400)
Operating Current	Cooling	A	6.3(1.2~9.0)	7.5(1.3~10.5)	9.8(1.5~13.2)	11.7(1.6~14.0)	14.1(1.8~17.0)	16.8(3.2~24.0)
	Heating	A	5.9(1.1~9.0)	6.2(1.3~10.5)	9.0(1.7~13.2)	10.1(1.9~14.0)	13.0(2.3~17.0)	15.8(3.5~24.0)
Annual electricity consumption	Cooling	KWh	235	#¡VALOR!	#¡VALOR!	ONDEAR(G16/1000*350/IZQUIERDA(G19	#¡VALOR!	#¡VALOR!
	Average	KWh	1260	#¡VALOR!	#¡VALOR!	ONDEAR(G18/1000*1400/IZQUIERDA(G20	#¡VALOR!	3325
	Warmer	KWh	#¡VALOR!	#¡VALOR!	#¡VALOR!	ONDEAR(G26/1000*1400/IZQUIERDA(G27	#¡VALOR!	2953
	Colder	KWh	#¡VALOR!	#¡VALOR!	#¡VALOR!	ONDEAR(G30*2100/1000/IZQUIERDA(G31	#¡VALOR!	6097
<b>Refrigerating System</b>								
Refrigerant/Charge	Gram		R32/830g	R32/1100g	R32/1500g	R32/1500g	R32/2200g	R32/3000g
CO2 equivalent	Tonnes		0,561	0,743	1,013	1,013	1,485	2,025
Compressor type			Rotary	Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Compressor brand&model			GMCC KSK103D33UEZC3	GMCC KSK103D33UEZC3	SANYO C-6RZ146H3DBF	SANYO C-6RZ146H3DBF	SANYO C-6RZ210H3AAF	GMCC KTF310D43UMT
<b>Fan System</b>								
Outdoor fan type			axial-flow	axial-flow	axial-flow	axial-flow	axial-flow	axial-flow
Outdoor fan motor model			22001-000493	22001-000493	22001-000147	22001-000147	SIC-71FW-F1120-9	25001-000242
Outdoor fan speed	rpm		1000	1000	850	850	850	900
Outdoor fan motor output	W		≤33	≤33	≤85	≤85	≤120	≤200
<b>Outdoor coil</b>								
Number of rows	/		1	2	2	2	2	3
Number of U tube	/		11	26	30	30	42	62
Tube outside dia	mm		9	7	7	7	7	7
Tube type	/		Rifled tube	Rifled tube	Rifled tube	Rifled tube	Rifled tube	Rifled tube
Fin spacing	mm		1,2	1,4	1,4	1,4	1,6	1,6
Fin type			Corrugated sheet	Corrugated sheet	Corrugated sheet	Corrugated sheet	Corrugated sheet	Window
Tube pitch(a)x row pitch(b)	mm		25.4x19.05	18.2x21	18.2x21	18.2x21	18.2x21	12.7x21
<b>Connections</b>								
Refrigerant coupling			Flare	Flare	Flare	Flare	Flare	Flare
High & low pressure valve	Liquid	Inches	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas	Inches	3/8"	3/8" should use 1/2" pipe for 18K duct	3/8" should use 1/2" pipe for 18K duct	3/8" should use 1/2" pipe for 18K duct	3/8" should use 1/2" pipe for 18K duct	3/8" should use 1/2" pipe for 18K duct
<b>Others</b>								
Net dimensions (W x H x D)	mm		853×602×349	853×602×349	920×699×380	920×699×380	990×910×340	990×910×340
Net weight	kg		29	31	42	42	68	73
Packing dimensions (W x H x D)	mm		890×628×385	890×628×385	960×732×400	960×732×400	1030×950×430	1030×950×430
Gross weight	kg		31	33	45	45	80	85
Outdoor sound pressure level	dB(A)		54	55	57	57	60	60
Outdoor air circulation	m3/h		2600	2600	3000	3000	4000	4000
Ambient temperature range	Outdoor	℃	Cooling:15-53/Heating:-20-30	Cooling:15-53/Heating:-20-30	Cooling:15-53/Heating:-20-30	Cooling:15-53/Heating:-20-30	Cooling:15-53/Heating:-20-30	Cooling:15-53/Heating:-20-30
	Indoor	℃	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30
Standard precharge total pipe length(Without adding refrigerant)	m		10	10	15	15	20	25
Maximum total distance between indoor and outdoor unit	m		30	30	45	45	60	75
Maximum single distance between indoor and outdoor unit	m		25	25	25	25	25	25

Max. diff. in level between indoor and outdoor unit	m	10	10	10	10	10	10
Additional refrigerant charge	g/m	15	15	15	15	15	15
Simultaneity coefficient		50%(one indoor unit)~150%	50%(one indoor unit)~150%	33%(one indoor unit)~150%	33%(one indoor unit)~150%	25%(one indoor unit)~150%	20%(one indoor unit)~150%