



DIAKOOL
AIR CONDITIONERS



DUCTED MINI SPLIT SYSTEM



Designed for
Extrem Weahter





Nomenclature

Indoor Unit

D L T MD - 18 / 4 R1 A

Design Series Code

Refrigerant Type:

R1: R410A.
R22 Omitted

R3:R32

Power Supply:

2: 220-240V~, 1Ph, 60Hz
5: 380-415V~, 3Ph, 50Hz
9: 208-230V~, 3Ph, 60Hz
S: 380-415V~, 3Ph, 50/60Hz

4: 220-240V~, 1Ph, 50Hz
6: 380-415V~, 3Ph, 60Hz
N: 220-240V~, 1Ph, 50/60Hz

Cooling Capacity (kBtu/h)

Indoor Unit Type:

CA: Cassette
SD: Slim Duct
HD: High ESP Duct

CF: Ceiling & Floor
MD: Mid ESP Duct
FS: Floor-Standing

Climate Class:

T: Tropical High Efficiency Type
Light Commercial AC

DIAKOOL

Outdoor Unit

D L T 18 / 4 R1 A (U)

Outdoor Unit Type:

U: Universal Outdoor Unit
CA: Four-way Cassette Outdoor Unit
MD: Mid ESP Duct Outdoor Unit
HD: High ESP Duct Outdoor Unit
FS: Floor-standing Outdoor Unit
TU: Top Discharge Outdoor Unit

H: High Efficiency Type

Normal Type Omitted

Refrigerant Type:

R1: R410A.
R22 Omitted

R3:R32

Power Supply:

2: 220-240V~, 1Ph, 60Hz
5: 380-415V~, 3Ph, 50Hz
9: 208-230V~, 3Ph, 60Hz
S: 380-415V~, 3Ph, 50/60Hz

4: 220-240V~, 1Ph, 50Hz
6: 380-415V~, 3Ph, 60Hz
N: 220-240V~, 1Ph, 50/60Hz

Cooling Capacity (kBtu/h)

Climate Class:

T: Tropical High Efficiency Type
Light Commercial AC

DIAKOOL

Tropical High Efficiency Cooling Only Series



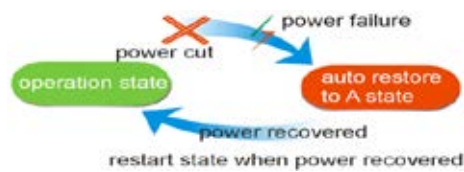
Feature

► Environment Friendly-R410A



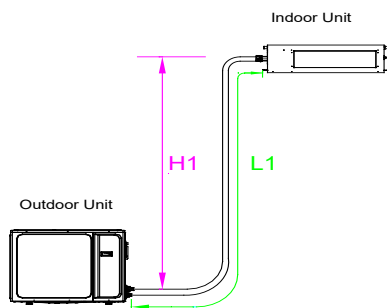
► Auto Restart Function

The AC can automatically memorize the operation setting when power is cut off accidentally. It can return to previous setting when power resumes.



► Flexible Installation

Long piping / high drop between IDU and ODU, flexible installation

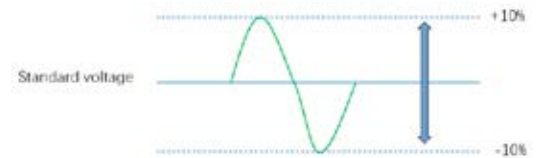


Piping Length (m)		
Capacity (K btu/h)	Max.Piping Length L1	Max.Piping High H1
18/24/30K	30m	15m
36/48/60K	50m	30m

► Wide Operation and Voltage Range

Stable cooling range 17°C ~ 55°C

Wide power supply voltage range $\pm 10\%$



► Double Anti-Corrosion Technology

Galvanized metal with world-class powder spraying technology can improve the anti-corrosion ability of the housing of outdoor units three times, especially, in salty, moist surroundings.



► Multiple Protection

High pressure protection,
Low pressure protection
Compressor overloading protection
temperature protection
Phase protection (Phase-loss, phase-reverse)
Over-heating protection
Anti-freezing protection
Sensor failure alarm
Failure code display etc



Mid ESP Duct



FEATURES

■ optional ■ standard

- | | | | | | | |
|---|--|---|--|--|--|--|
|  Wired Control |  3D Air Flow |  Auto Restart Function |  Long-term Filter |  Hydrophilic Aluminum Fin |  Intelligent Defrosting |  Fast Cooling/Heating |
|  Low Ambient Cooling |  Remote Control |  Central Control |  Golden Fin |  WIFI Control | | |

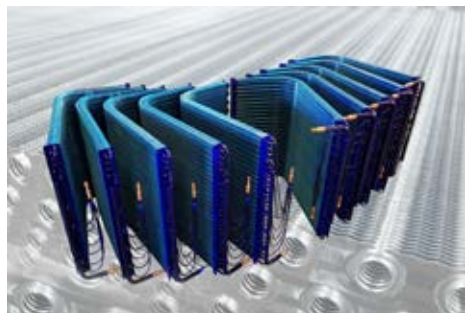
Feature

► Duct Type Units

The duct type allows for flexible installation options, maximizing the use of free space. Large duct versions provide powerful air conditioning for large spaces featuring multiple outlets.

► High Efficiency Hydrophilic Aluminum Fins

All DIAKOOL air conditioning units, the DLTMD Series Outdoor Units are available with Pre Coated Blue Aluminum Fins for the Condenser Coil as a Standard feature.

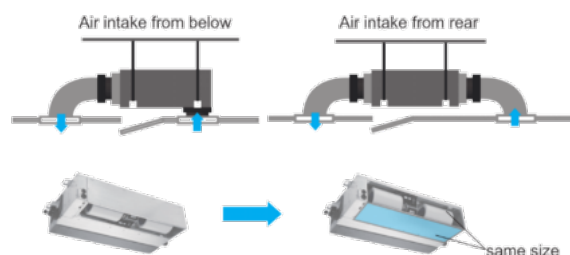


► outstanding performance even at high ambient temperatures up to 55°C.



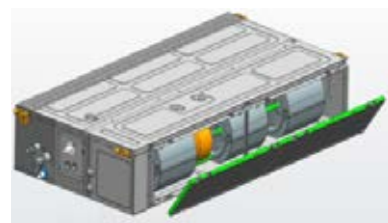
► Two Return Air Modes are Selected

Two return air modes are selected (back return air and down return air), Easy to change.



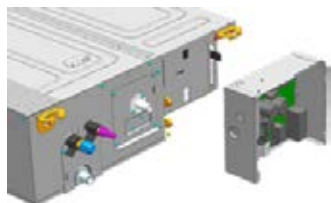
► W Type High Efficiency Filter Screen

Easy disassembly (0 Screws) Convenient to wash High efficiency (W type)



► Electronic Control is Easy to Maintain

Quickly remove 1 screw from the left and right end cover. Change the direction of output line, maintenance without shielding, increase the maintenance space.



► Double Drain Holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.



Tropical High Efficiency Cooling Only Series

Indoor Unit



Specification R410A 50Hz ON/OFF High Efficiency



Model	Indoor Outdoor		DLTMD-18/4R1A	DLTMD-C24/4R1A	DLTMD-C30/4R1A
			DLT-18/4R1A (U)	DLT-24/4R1A (U)	DLT-30/4R1A (U)
Capacity	Cooling (T1/T3)	Btu/h	17100/15200	23000/19800	28000/24600
		RT	1.43/1.27	1.92/1.65	2.33/2.05
		kW	5.01/4.45	6.74/5.80	8.21/7.21
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input (T1/T3)	kW	1.44/1.78	1.92/2.32	2.38/2.88
	Cooling Current (T1/T3)	A	6.40/7.90	8.54/10.30	10.55/12.79
Performance	EER (T1/T3)	(Btu/h)/W	11.84/8.54	11.95/8.53	11.77/8.53
		W/W	3.47/2.50	3.50/2.50	3.45/2.50
	Air Flow Volume(Hi/Mid/Low)	m3/h	1100/1000/800/600	1400/1300/1000/900	2000/1600/1300/1000
		CFM	647/588/471/353	824/765/588/529	1176/941/765/588
	Noise Level(Hi/Mid/Low)	dB(A)	43/40/37/33	42/40/38/36	43/40/38/36
	External Static pressure (ESP)	Pa	0~60	0~60	0~80
Dimension (W×D×H)	Net	mm	1000×450×200	1000×700×245	1400×700×245
	Packing	mm	1300×555×275	1230×830×300	1630×830×300
Dimension	Air Outlet	mm	832×110	811×175	1213×178
	Air Return	mm	977×172	874×204	1275×208
Weight	Net/Gross	kg	25/29	31/36	41/47
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)



Specification R410A 50Hz ON/OFF High Efficiency

Model	Indoor Outdoor		DLTMD-C36/4R1A	DLTMD-C48/4R1A	DLTMD-C60/4R1A
			DLT-36/4R1A (U)	DLT-48/4R1A (U)	DLT-60/4R1A (U)
Capacity	Cooling (T1/T3)	Btu/h	32000/28000	48000/42000	52000/45500
		RT	2.67/2.33	4.00/3.5	4.33/3.79
		kW	9.38/8.21	14.07/12.31	15.24/13.34
Electric Data	Power Supply	V~,Hz,Ph	220-240,50,1	380-415V-3N-	380-415V-3N-
	Cooling Power Input (T1/T3)	kW	2.68/3.22	4.0/4.8	4.4/5.23
	Cooling Current (T1/T3)	A	11.88/14.28	6.82/8.18	7.41/8.81
Performance	EER (T1/T3)	(Btu/h)/W	11.95/8.70	12.00/8.75	11.82/8.70
		W/W	3.50/2.55	3.52/2.56	3.46/2.55
	Air Flow Volume(Hi/Mid/Low)	m3/h	2000/1600/1300/1000	2600/2300/1950	3100/2600/2200
		CFM	1176/941/765/588	1529/1353/1147	1824/1529/1294
	Noise Level(Hi/Mid/Low)	dB(A)	45/42/40/38	50/47/44	53/50/47
	External Static pressure(ESP)	Pa	0~100	0~150	0~150
Dimension (W×D×H)	Net	mm	1400×700×245	1250×735×320	1400×820×380
	Packing	mm	1630×830×300	1430×800×390	1580×880×450
Dimension	Air Outlet	mm	1213×178	967×183	1117×273
	Air Return	mm	1275×208	1175×250	1320×340
Weight	Net/Gross	kg	41/47	47/53	57/64
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)

□Remark:

The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Tropical High Efficiency Cooling Only Series

Outdoor Unit



Specification R410A 50Hz ON/OFF High Efficiency



Model	Outdoor		DLT-18/4R1A(U)	DLT-24/4R1A(U)	DLT-30/4R1A(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
Performance	Air Flow Volume	m3/h	2500	3500	3500
		CFM	1471	2059	2059
	Noise Level	dB(A)	56	58	58
Dimension (W×D×H)	Net	mm	825×310×655	900×350×700	900×350×700
	Packing	mm	945×435×725	1020×430×770	1020×430×770
Weight	Net/Gross	kg	41/44	50/53	55/59
Piping	Liquid(inch)	mm(inch)	6.35 (Ø 1/4")	9.52 (Ø 3/8")	9.52 (Ø 3/8")
	Gas(inch)	mm(inch)	12.7 (Ø 1/2")	15.88 (Ø 5/8")	15.88 (Ø 5/8")
	Max. Length/Max. Height	m	30/15	30/15	30/15

Specification R410A 50Hz ON/OFF High Efficiency



Model	Outdoor		DLT-36/4R1A(U)	DLT-48/4R1A(U)	DLT-60/4R1A(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380-415V-3N-	380-415V-3N-
Performance	Air Flow Volume	m3/h	4100	7200	7200
		CFM	2412	4235	4235
	Noise Level	dB(A)	57	60	60
Dimension (W×D×H)	Net	mm	970×395×805	940×401×1366	940×401×1366
	Packing	mm	1105×495×895	1080×460×1490	1080×460×1490
Weight	Net/Gross	kg	67/72	101/117	102/118
Piping	Liquid(inch)	mm(inch)	9.52 (Ø 3/8")	9.52 (Ø 3/8")	9.52 (Ø 3/8")
	Gas(inch)	mm(inch)	15.88 (Ø 5/8")	19.05 (Ø 3/4")	19.05 (Ø 3/4")
	Max. Length/Max. Height	m	50/30	50/30	50/30

□Remark:

The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.