

## T-series ducted air conditioners – detailed specification sheet

Model no.			T410-115DU	T410-140DU	T410-185DU	Ti-140DU	Ti-180DU
Type			Fixed speed	Fixed speed	Fixed speed	Inverter	Inverter
Control type			LCD remote control and LCD wall controller				
Static pressure	Standard	Pa	50	50	50	50	50
	Range	Pa	50~180	50~180	50~180	50~180	50~180
Cooling capacity	Btu/h;W		36000; 11500	48000; 14000	60000; 18000	48000; 14000	60000; 18000
Heating capacity	Btu/h;W		38000; 12000	50000; 15000	63000; 18500	52000; 15300	63000; 18500
EER for cooling	Btu/h.w; W/W		8.78; 2.76	9.89; 2.9	9.35; 2.96	9.46; 2.77	9.76; 2.93
COP for heating	Btu/h.w; W/W		10.9; 3.46	11.8; 3.45	11.7; 3.43	11.9; 3.20	11.25; 3.39
Indoor noise level at cooling (sound pressure level)	High	dB(A)	53	53	56	53	56
	Med.	dB(A)	52	50	54	52	54
	Low	dB(A)	51	47	52	51	52
Outdoor noise level (sound power level)	dB(A)		65	68	68	62	63

### Electrical data

Power supply			220-240V~/50Hz/1F	220-240V~/50Hz/1F	380V~/50Hz/3P	220-240V~/50Hz/1F	380V~/50Hz/3P
Voltage range	V		198~254	198~254	342~418	198~254	342~418
Current	Cooling	A	18.0	20.9	12.1	23.0	10.2
	Heating	A	17.4	18.9	10.7	21.6	9.3
Power input	Cooling	W	4150	4820	6080	5070	6150
	Heating	W	4000	4350	5350	4350	5600
Max. power	W		5865	6850	8760	6600	8600
Max. current	A		25.5	29.8	18.3	30	14.2

### Refrigerating system

Refrigerant/charge			R410A/3400g	R410A/4000g	R410A/5400g	R410A/3900g	R410A
Evaporator			Hydrophilic & Louver Fin; Innergroover tube type (φ9.52)				
Condenser			Hydrophilic & Louver or Corrugated Fin; Innergroover tube type (φ7)				
Expansion device			Capillary tube			Electronic Expansion Valve	
Defrosting system			Microcomputer controlled reverse system				

### Fan system

Outlet size of indoor airflow	mm	855×220	855×220	1096×310	855×220	1096×310	
Returning vent size of indoor airflow	mm	1096×310	1096×310	1075×310	1096×310	1075×310	
Indoor air circulation (cooling/heating)	L/S	695/630/630	750/667/667	1028/889/805	750/667/583	1111/889/805	
	m <sup>3</sup> /h	2500/2270/2270	2700/2400/2400	3700/3200/2900	2700/2400/2100	4000/3200/2900	
Indoor fan type			Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Outdoor fan type			Propeller	Propeller	Propeller	Propeller	Propeller

### Connections

Refrigerant coupling			Flare	Flare	Flare	Flare	Flare
Connecting pipe	Liquid	Inches	1/2"	1/2"	1/2"	3/8"	1/2"
	Gas	Inches	3/4"	3/4"	7/8"	3/4"	7/8"
Max. height drop (high head)	m		10	10	10	10	10
Max. length of connecting pipe	m		25	25	30	25	30
Max. pipe length with standard charge	m		5	5	5	5	5
Refrigerant charge with long pipe	g/m		110	110	110	54	110
Drainage pipe	mm		O.D 16	O.D 16	O.D 16	O.D 16	O.D 16

### Size and weight

Net dimensions (W x H x D)	Indoor	mm	1200×380×590	1200×380×590	1330x500x850	1200x380x590	1330x500x850
	Outdoor	mm	950x1255x410	1000x1510x400	1000x1510x400	950x1255x410	1000x1510x400
Net weight	Indoor	kg	55	58	88	58	88
	Outdoor	kg	112	132	132	112	132
Packing dimension (W x H x D)	Indoor	mm	1410×445×695	1410×445×695	1588x650x1030	1410x445x695	1588x650x1030
	Outdoor	mm	1030x1380x440	1135x1645x440	1135x1645x440	1030x1380x440	1135x1645x440
Gross weight	Indoor	kg	60	63	118	63	118
	Outdoor	kg	122	145	145	122	145

#### Note: specifications are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB, and outdoor temperature 35°C DB/24°C WB

Heating: Indoor temperature 20°C DB/15°C WB, and outdoor temperature 7°C DB/6°C WB

Equivalent piping length: 5m, Level difference: 0m, Voltage: 220V

Sound Level: Indoor unit sound pressure level, measured at a point 1.5m downward from the unit centre

Outdoor unit sound pressure level, measured at a point 1.0m in front of the unit

Due to ongoing product development, specifications are subject to change without prior notice