

DUCT S2

1-phase, 220-240V, 50Hz



Model Name System	Indoor Unit		AC052TNHDKG/SA	AC071TNHDKG/SA	AC090TNHDKG/SA	AC100TNHDKG/SA	AC120TNHDKG/SA	AC140TNHDKG/SA	AC160TNHDKG/SA
	Outdoor Unit		AC052TXAPKG/SA	AC071TXAPKG/SA	AC090TXAPKG/SA	AC100TXAPKG/SA	AC120TXAPKG/SA	AC140TXAPKG/SA	AC160TXAPKG/SA
Capacity	Refrigerant		R32	R32	R32	R32	R32	R32	R32
	Cooling (Min/Std/Max)	kW	1.30 / 5.20 / 6.50	2.00 / 7.10 / 8.00	3.0 / 8.5 / 11.5	4.3 / 10.0 / 12.0	4.5 / 12.0 / 14.0	4.7 / 14.0 / 16.0	6.2 / 16.0 / 18.0
	Heating (Min/Std/Max)	kW	1.20 / 6.00 / 8.00	1.70 / 8.00 / 9.00	2.8 / 10.0 / 15.5	3.6 / 11.2 / 16.0	3.8 / 14.0 / 19.0	4.0 / 16.0 / 19.5	4.8 / 18.0 / 20.0
Efficiency	Energy Grade (Cooling)	EER	3.70	3.21	3.30	3.70	3.40	3.16	3.60
	Energy Grade (Heating)	COP	4.00	4.00	3.70	4.10	3.80	3.50	3.85
	Energy Grade (Cooling)	AEER	3.68	3.21	3.28	3.69	3.44	3.15	3.6
	Energy Grade (Heating)	ACOP	3.99	3.99	3.69	4.09	3.79	3.49	3.84
Electrical	MCA	A	18.8	18.8	26.3	26.7	34.9	35.5	35.1
	MFA	A	20.7	20.7	30	30	40	40	40
Indoor Unit	Power Supply	Φ, #, V, Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz
	Air Flow Rate (H, M, L)	l/s	300 / 233 / 183	400 / 333 / 283	530 / 450 / 370	650 / 550 / 450	720 / 620 / 500	850 / 730 / 600	1120 / 970 / 820
	ESP (L,M,H)	Pa	0 / 39 / 147	0 / 39 / 147	29 / 49 / 147	29 / 49 / 196	29 / 61 / 196	29 / 60 / 196	49 / 61 / 196
	Sound Pressure @ 1.5m (H/L)	dB(A)	35 / 27	36 / 28	42 / 37 / 32	42 / 37 / 32	43 / 38 / 33	45 / 40 / 35	43 / 39 / 35
	Supply Air Opening (WxH)	mm	818 x 220	1168 x 220	1168 x 220	1268 x 270	1268 x 270	1268 x 270	1284 x 360
	Return Air Opening (WxH)	mm	818 x 220	1168 x 220	1168 x 220	1268 x 270	1268 x 270	1268 x 270	1284 x 360
	Net Weight	kg	26.5	34	33.5	43.5	43.5	43.5	75
	Unit Dimensions (WxHxD)	mm	850 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700	1350 x 450 x 850
	Drain connection size	mm	OD 32 / ID 25	OD 32 / ID 25	OD 32 / ID 25	OD 32 / ID 25	OD 32 / ID 25	OD 32 / ID 25	OD 32 / ID 25
Outdoor Unit	Power Supply	Φ, #, V, Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz
	Type		Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Sound Pressure @ 1m (Cool/Heat)	dB(A)	49 / 49	50 / 52	51 / 53	51 / 53	53 / 55	54 / 56	55 / 57
	Sound Power (Cooling - High)	dB(A)	63	66	68	68	69	70	71
	Net Weight	kg	51	51	75	97.5	100.5	100.5	100.5
	Shipping weight	kg	55	55	80	106.5	109.5	109.5	109.5
	Net Dimensions (WxHxD)	mm	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330
	Shipping Dimensions (WxHxD)	mm	1,023 x 896 x 413	1,023 x 896 x 413	995 x 1096 x 426	995 x 1598 x 426	995 x 1598 x 426	995 x 1598 x 426	995 x 1598 x 426
Installation	Liquid Pipe		6.35, 1/4"	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"
	Gas Pipe		15.8, 5/8"	15.8, 5/8"	15.8, 5/8"	15.8, 5/8"	15.8, 5/8"	15.8, 5/8"	15.8, 5/8"
	Max. Allowable Piping Length	m	50	50	50	85	85	85	85
	Max. Allowable Piping Height (outdoor above indoor)	m	30	30	30	30	30	30	30
	Pre-charged Length	m	20	20	30	30	30	30	30
Operating Range	Cooling	°C	-15 to 50	-15 to 50	-15 to 50	-15-50	-15 to 50	-15 to 50	-15 to 50
	Heating	°C	-20 to 24	-20 to 24	-20 to 24	-20-24	-20 to 24	-20 to 24	-20 to 24

1. Specification may be subject to change without prior notice

2. Performances are based on the following test conditions:
Cooling: Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB, 24°C WB
Heating: Indoor temperature 20°C DB, 15°C WB, Outdoor temperature 7°C DB, 6°C WB
Equivalent refrigerant pipe length 5m, 7.5m (20kW), Level differences 0m

3. Select wire size based on the value of MCA and in accordance of local electrical regulation standards.

4. Sound pressure level is obtained in an anechoic room.

Sound pressure level is a relative value, depending on the distance and acoustic environment.
Sound pressure level may differ depending on operation condition.

dB(A) = A-weighted sound pressure level. Reference acoustic pressure 0 dB = 20uPa

5. Sound power level is an absolute value that a sound source generates.

dB(A) = A-weighted sound power level. Reference power: 1pW. Measured according to ISO 3741.

• Please note that product images may be different from the actual one, product size varies depending on model