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HIWALL INVERTER | T SERIES

UP TO 20 SEER

UP TO 20 SEER

R-410A REFRIGERANT

ETL LISTED

AHRI CERTIFIED™ www.ahridirectory.org

- LOW NOISE OPERATION
- QUICKER HEAT / QUICK COOL (FIN BLADE AIR FLOW 10%)
- ENERGY SAVING (INVERTER / HIGH SEER)
- HIGH-DENSITY DUST FILTER
- GOLDEN ANTI-CORROSION TREATMENT (INDOOR AND OUTDOOR UNIT)
- EASY INSTALLATION (DEMOUNTABLE UNDERJAW)
- WIFI ENABLED

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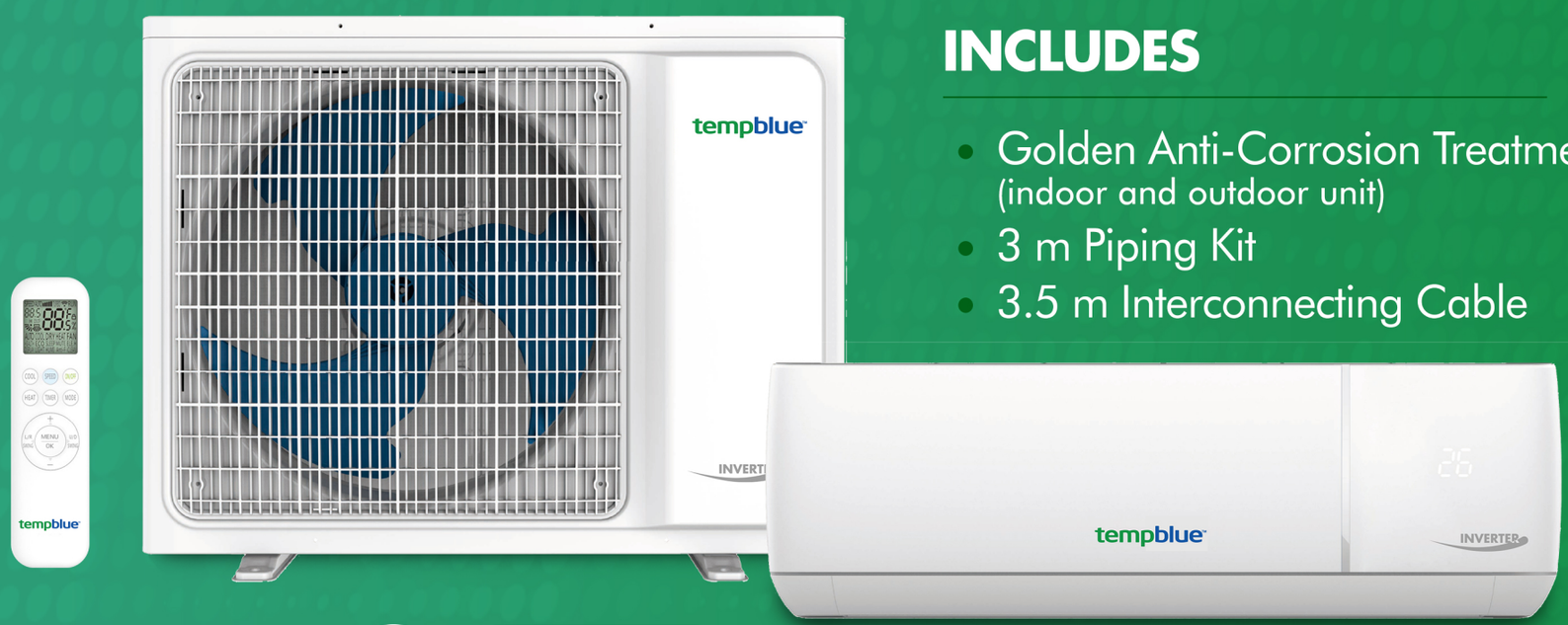

INCLUDES

- Golden Anti-Corrosion Treatment (indoor and outdoor unit)
- 3 m Piping Kit
- 3.5 m Interconnecting Cable

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DESCRIPTION					SEER 20 COOLING ONLY		
DESCRIPTION					12K 220V	18K 220V	24K 220V
Nameplate Parameter	Outdoor unit model				TBG43TX012PH3B1C	TBG43TX018PH3B1C	TBG43TX024PH3B1C
	Indoor unit model				TBH43TX012-H3B1C	TBH43TX018-H3B1C	TBH43TX024-H3B1C
	Rated Capacity	Cooling		Btu/h	12000（3000-13200）	18000（3400-19200）	23000（4600-24800）
	Rated Power Consumption	Cooling		W/W	3685（880-3880）	5612（942-5630）	6755（1348-7270）
	Rated Running Current	Cooling		A	5.1	7.0	9.5
	Max. Input Power			Btu	4787.04	4606.20	9212.40
	Max. Input Current			A	6.1	9.0	12.9
	EER Cooling			W/W	3.15	3.10	3.25
	SEER			-	20	20	20
	Power supply source			V/Ph/Hz	208～230V-1-60Hz	208～230V-1-60Hz	208～230V-1-60Hz
	Refrigerant			-	R410A	R410A	R410A
	Refrigerant Charged			oz	28.95	35.30	55.42
	Max. Discharge Pressure			Mpa	4.15	4.15	4.15
	Max. Suction Pressure			Mpa	1.15	1.15	1.15
	indoor Noise level			dB（A）	42	48	51
	outdoor Noise level			dB（A）	51	55	56
	Indoor unit weight （Net）			ibs	22.00	26.40	28.60
	Outdoor unit weight （Net）			ibs	59.40	72.60	105.60
Indoor unit configuration	evaporator	Multi-bend		-	3	3	3
		tube pitch		in	0.81	0.81	0.81
		row pich		in	1.00	1.00	1.00
		Fin	Length	in	719.29	26.40	33.49
			Diameter	in	0.28	0.28	0.28
			Thickness	in	0.01	0.01	0.01
			Fin spaceing	in	0.06	0.06	0.06
		Face Area		in	25.6*0.8*0.55	26.4*1.62*0.6	66.5*12.7
	Fan system	Fan	Diameter	mm	Φ92	Φ107.9	φ107.9
			Length	in	25.49	26.04	33.06
		Fan motor	Model	Pcs	YYK18-4B-60 208-230V/60	D-310-30-8 310V	D-310-50-8A
			Motor speed (H/M/L)	rpm	1180/1000/900	1130/1015/900	1330/1180/1050
			Rated Input Power	Btu	61	≤198	171
			Rated Output Power	Btu	61	102	171
		Air circulation (H/M/L)		m3/h	650	850	1300
	Dimension	Packing Type （6 face/4 face）		-	6 face	6 face	6 face
		Net Dimension		in	32.6*11.5*8	37*12.4*8.8	42.6*13*9
		Packing Dimension		in	32.6×11.5×8	39.8*15.2*12.2	44.6*13*9
	Condensate Drainage Pipe (O.D)			-	16.9	16.9	16.9
	Condensate Drainage Pipe (L)			in	78.80	78.80	78.80
					3.10	3.10	3.10
Connection	tube		Length	in	-	0.14	137.90
			Thickness	in	0.02	0.03	0.02
			Liquid tube Diameter	in	1/4	1/4	1/4
			Thickness	in	0.03	0.02	0.02
			Gas tube Diameter	in	5/8	1/2	1/2
			Gas Valve	-	-	-	DG13
Outdoor unit configuration	Compressor Model			-	C-1RZ100H3CAF	KSM135D23UFZ	ATD186UKPA9LT6
	Compressor Parameter	Brand		-	sanyo	GMCC	GMCC
		Capacity		Btu	11327.84	14432.76	24566.40
		Input		Btu	2712.54	3684.96	5527.44
		Rated current(RLA)		A	2.8/2.6	7.1	5.60
		Refrigerant oil		ml	ALF68SZ	VG74	770
	Fan system	Fan	Vane Number	-	3	3	3
			Diameter	in	15.37	16.59	20.1*6.2
		Fan motor	Model	-	D-24-8	D-40-8	D-69-8 310V
			Motor speed (H/M/L)	rpm	900/600	900	870
			Rated Output Power	Btu	81.89	136.48	235.43
	tube	tube pitch		in	0.87	0.77	0.87
		row pich		in	0.75	0.75	0.75
		fin	Length	in	608.49	34.20	2059.04
			Diameter	in	0.31	0.28	0.28
			Thickness	in	0.01	0.01	0.01
			Fin spaceing	in	0.05	0.06	0.05
			Fins per inch 25.4mm	Pcs	20.00	20.00	19.00
		Face Area		in	27.66*19.94	34.2*19.98	34.34*26
		Net Dimension		in	28.1×21.3×9.9	31.32*20.69*11.43	35.1×27.3×13.7
		Packing Dimension		in	33.2×14.4×24.2	35.9*24.2*15.6	39.8×30×16.8
Container Loading 20/40/40HC				sets	234	196	138

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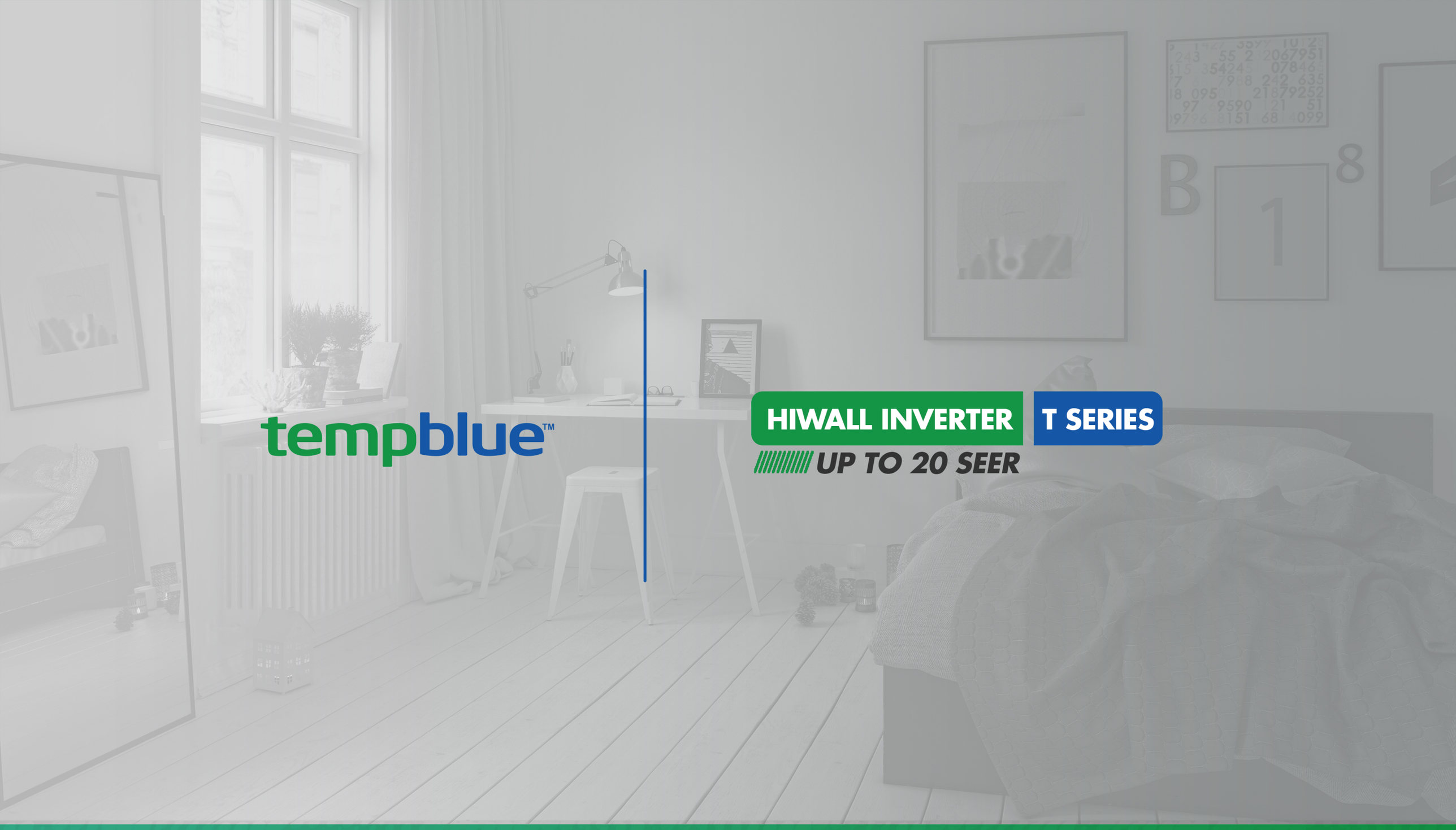
**panel for 17 SEER 12K 115v

**panel for 16.5 SEER 36K 220v

PRODUCT SPECIFICATION SHEET			SEER 17 Cooling Only	SEER 16.5 Heat Pump
DESCRIPTION			12k 115V	36k 220V
Outdoor unit model			TBG43TX012PH1B1C	TBG43TX036PH3B1H
Indoor unit model			TBH43TX012-H1B1C	TBH43TX036-H3B1H
Power supply		V,Hz,Ph	208-230V~,60HZ,1Ph	208-230V~,60HZ,1Ph
Cooling	Capacity	Btu/h	12000（3000-13200）	34000（6000-37400）
	Input	W	1200（210-1700）	4040（440-4550）
	Rated current	A	15.6（1.9-17）	16.0（2.1-20）
	EER	W/W	2.9	2.5
	SEER	W/W	17	16.5
Heating	Capacity	Btu/h	-	34000（6000-37400）
	Input	W	-	3800（440-4300）
	Rated current	A	-	15.7（2.1-20）
	COP	W/W	-	2.62
	HSPF4	W/W	-	8.2
MINIMUM CIRCUIT AMPACITY		A	12.9	13.8
MAX.FUSE		A	25	25
Dehumidifying		L/h	1.5	3.0
Compressor	Model	-	ASN108D10UFZ	KTF310D43UMP
	Type	-	Rotary	Rotary
	Brand	-	GMCC	GMCC
	Capacity	Btu/h	3265	9490
	Input	W	878	2600
	Rated current(RLA)	A	10	10.5
	Locked rotor Amp(LRA)	A	20	30
	Refrigerant oil/oil charge	ml	VG74 310ml	PQE(VG74)
Indoor fan motor	Model		YYK18-4D	D-310-50-8A
	Input	W	18	45
	FLA	A	0.36	0.70
	Capacitor	uF	3	N0
	Speed(Hi/Mi/Lo)	r/min	1250/1180/1000/850	1350/1250/1100/900
Indoor air flow (Hi/Mi/Lo)		m3/h	600/530/450	1600/1430/1150
Indoor air flow (Hi/Mi/Lo)		CFM	357.1428571	952.3809524
Indoor noise level (Hi/Mi/Lo)		dB(A)	42/36/30	53/45/37
Indoor unit	Dimension(W*D*H)	mm	881×296×205	1250×360×253
	Dimension(W*D*H)	inch	34.7×11.7×8.1	49.2×14.2×10.0
	Packing Dimension (W*D*H)	mm	965×370×282	1210×400×327
	Packing Dimension (W*D*H)	inch	38.0×14.6×11.1	47.6×15.7×12.9
	Net weight	Kg/lbs.	9.5/20.9	16/35.3
	Gross weight	Kg/lbs.	12/26.4	22/48.5
Outdoor fan motor	Model	-	D-24-8	D-69-8
	Input	W	24	69
	Capacitor	uF	NO	NO
	Speed	r/min	820	900
Outdoor noise level		dB(A)	50	60
Outdoor unit	Dimension(W*D*H)	mm	730×545×285	900×700×350
	Dimension(W*D*H)	inch	28.5×11.1×21.2	35.4×27.6×13.8
	Packing Dimension (W*D*H)	mm	850×370×620	1020×430×770
	Packing Dimension (W*D*H)	inch	33.1×14.4×24.1	40.2×16.9×30.3
	Net weight	Kg/lbs.	25/55.0	58/127.9
	Gross weight	Kg/lbs.	30/66.0	64/141.1
Refrigerant Charged		g/oz.	820/28.52	2500/88.19
Design pressure		PSIG	167/602	167/602
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35（1/4）/12.7（1/2）	12.7（1/2）/15.88（5/8）
	Max. refrigerant pipe length	m/ft	25 / 82	25 / 82
	Max. difference in level	m/ft	10 / 33	15 / 49
Connection wiring		-	(4*18AWG)*4.5m	(4*18AWG)*4.5m
Thermostat type		℃ _ ℉	remote control	remote control
Operation temperature	Indoor(cooling/ heating)	℃ | ℉	17～32 | 62～90	17～32/0～30 | 62～90/32～86
	Outdoor(cooling/heating)-optional	|	-15～50/-- | 5～122/--	-15～50/-15～30 | 5～122/5～86
Application area (cooling standard)		m2	13-27	40-60
Application area (cooling standard)		sq.ft	139.93-290.63	430.56-645.83
Container Loading 20/40/40HC		set	240	126



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