

GE
GREENENERGY
R410
Commercial

R410A HIGH
EFFICIENCY DX
SPLIT SERIES

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R410
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Green Energy Commercial DX Split Specifications



Model			GEDX6T410	GEDX7.5T410	GEDX10T410	GEDX12.5T410	GEDX15T410	GEDX20T410
TONS			6.3	8.0	10.0	12.5	15.0	20.0
Power supply		V, Ph, Hz	208-230V~, 1Ph, 60Hz	208-230V~, 1Ph, 60Hz	208-230V~, 1Ph, 60Hz	208-230V~, 1Ph, 60Hz	208-230V~, 1Ph, 60Hz	208-230V~, 1Ph, 60Hz
Cooling	Capacity	Btu/h	75,100	95,600	119,400	150,100	179,100	238,800
		W	22,000	28,000	35,000	44,000	52,500	70,000
	Input	W	7,500	9,600	12,000	15,000	18,100	24,000
	EER	W/W	2.93	2.92	2.92	2.93	2.90	2.92
Heating	Capacity	Btu/h	\	\	\	\	\	\
		W	\	\	\	\	\	\
	Input	W	\	\	\	\	\	\
	COP	W/W	\	\	\	\	\	\
Rated input		W	1,700	1,700	1,900	2,400	2,500	2,600
Rated current		A	7.5	8.4	9.0	11.5	12.5	13
Indoor fan motor	Model (x Quantity)	\	YDK250-4X(x2)	YDK300-4X(x2)	YDK195-6B(x3)	YDK520-6B(x3)	YDK520-6B(x3)	YDK520-6B(x3)
	Brand	\	Matchwell/Yongan	Matchwell/Yongan	Yongan	Yongan	Yongan	Yongan
	Input (hi/mid/lo)	W	715/605/515	880/725/590	480/608/344	700/630/500	700/630/500	700/630/500
	Capacitor	\	15µF/450V	15µF/450V	15µF/450V	15µF/450V	20µF/450V	25µF/450V
	Speed (hi/mid/lo)	r/min	1,040/960/870	1,160/980/870	940/840/750	1,050/1,000/850	1,050/1,000/850	1,050/1,000/850
Indoor coil	Number of rows	\	4	4	4	4	4	4
	Tube pitch(a)xrow	mm	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.5	1.5	1.5	1.5	1.5	1.5
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	Tube size	mm	φ7	φ7	φ7	φ7	φ7	φ7
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe
	Coil(WxH)	mm	1,202x378	1,202x378	1,602x588	1,602x588	1,602x588	1,602x588
	Number of circuits	\	14	18	21	28+28	28+28	28+28
Indoor air flow		m ³ /h	4,250	5,100	6,375	7,650	10,000	12,000
external static pressure		Pa	100	100	150	150	150	150
Indoor noise level		dB(A)	56	56	58	58	60	60
Refrigerant	Type	\	R410A	R410A	R410A	R410A	R410A	R410A
	Control	\	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary
Design pressure		MPa	4.4/2.6	4.4/2.6	4.4/2.6	4.4/2.6	4.4/2.6	4.4/2.6
Refrigerant pipe	Liquid side/ Gas side	mm	φ9.52/φ19	φ9.52/φ22	φ12.7/φ25	(φ9.52/φ19)×2	(φ9.52/φ22)×2	(φ12.7/φ25)×2
	Max. refrigerant pipe	m	50	50	50	50	50	50
	Max. difference in level	m	30	30	30	30	30	30
Connection wire	Power wire	\	3x2.5mm ²	3x2.5mm ²	3x2.5mm ²	3x2.5mm ²	3x2.5mm ²	3x2.5mm ²
	Signal wire	\	2x1.0mm ²	4x1.0mm ²	2x1.0mm ²	2x1.0mm ²	2x1.0mm ²	2x1.0mm ²
Drain pipe size (OD)		mm	φ41	φ41	φ41	φ41	φ41	φ41
Controller		\	R51/CE	R51/CE	R51/CE	R51/CE	R51/CE	R51/CE
Operation temperature		°C	17~30	17~30	17~30	17~30	17~30	17~30
Indoor unit	Dimension (WxHxD)	mm	1,366x450x716	1,366x450x716	1,828x638x858	1,828x638x858	1,828x638x858	1,828x638x858
	Packing (WxHxD)	mm	1,555x500x875	1,555x500x875	2,095x800x964	2,095x800x964	2,095x800x964	2,095x800x964
	Net/Gross weight	kg	94/106	96/108	188/220	190/217	190/217	193/220

Note:

- The nominal cooling capacity is based on the following conditions.
Indoor temperature: 27°CDB, 19°CWB; Outdoor temperature: 35°CDB, 24°CWB.
- The nominal heating capacity is based on the following conditions.
Indoor temperature: 20°CDB, 15°CWB; Outdoor temperature: 7°CDB, 6°CWB.
- The noise is measured in the semi noise suppression lab.
- Specifications are subject to change without prior notice for product improvement.

Green Energy Commercial Split DX Unit Specifications



Model			GEMOV-76CN1-X	GEMOV-96CN1-X	GEMOV-120CN1-X	
TONS			6.5	8.0	10.0	
Power supply		V, Ph, Hz	208-230V~, 3Ph, 60Hz	208-230V~, 3Ph, 60Hz	208-230V~, 3Ph, 60Hz	
Ambient temp in cooling		°C	17~52	17~52	17~52	
Ambient temp in heating		°C	\	\	\	
Rated input		W	11,100	16,700	18,200	
Rated current		A	32.5	44.4	53.1	
Compressor	Model	\	C-SBP205H36A	SH090A3ALC	SH120A3ALC	
	Type	\	Scroll	Scroll	Scroll	
	Qty.	\	1	1	1	
	Brand	\	Sanyo	Danfoss	Danfoss	
	Capacity	W	20,400	27,100	32,620	
	Input	W	6,700	8,569	10,275	
	Rated current (RLA)	A	20.5	30.7	43.6	
	Locked rotor Amp (LRA)	A	114	203	267	
	Thermal protector	\	Internal	Internal	Internal	
Refrigerant oil	ml	1,700 (FV68S)	3,000 (POE-160SZ)	3,300 (POE-160SZ)		
Fan	Type	\	Axial fan	Axial fan	Axial fan	
	Motor Model (x Quantity)	\	YDK210-6B(x2)	YDK320-6B	YDK320-6B(x2)	
	Motor Brand	\	Welling	Yongan	Yongan	
	Motor Input(4/3 fan blades)	W	320/303	580/560	580/560	
	Capacitor	\	10µF/450V	25µF/450V	25µF/450V	
	Speed (4/3 fan blades)	r/min	910/950	1080/1100	1080/1100	
Coil	No. of rows	\	2	3	3	
	Tube pitch(a)xrow pitch(b)	mm	21x13.37	21x13.37	21x13.37	
	Fin spacing	mm	1.3	1.3	1.3	
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	
	Tube outside dia. and type	mm		Φ7	Φ7	Φ7
				Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe
	Coil (WxH)	mm	2,175x882	2,179x882	(1,380x882)+(1,380x882)	
Number of circuits	\	20	20	11+11		
Outdoor noise level		dB(A)	65	69	70	
Refrigerant	Type	\	R410A	R410A	R410A	
	Charge	g	4,500	6,500	7,500	
Design pressure		MPa	4.4/2.6	4.4/2.6	4.4/2.6	
Refrigerant pipe	Liquid side/ Gas side	mm	Φ9.52/Φ19	Φ9.52/Φ22	Φ12.7/Φ25	
	Max. pipe length	m	50	50	50	
	Max. difference in level (OD up)	m	25	25	25	
	Max. difference in level (OD down)	m	30	30	30	
Connection wire	Power wire	mm ²	5x10mm ²	5x16mm ²	5x20mm ²	
	Signal wire	mm ²	2x1.0mm ²	2x1.0mm ²	2x1.0mm ²	
	Outdoor signal wire(double outdoors)	mm ²	3x0.5mm ²	3x0.5mm ²	3x0.5mm ²	
Outdoor unit	Dimension (WxHxD)	mm	1,255x908x700	1,255x908x700	1,255x908x700	
	Packing (WxHxD)	mm	1,320x1,060x730	1,320x1,060x730	1,320x1,060x730	
	Net/ Gross weight	kg	148/167	187/204	199/215	

Note:

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Indoor temperature: 27°CDB, 19°CWB; Outdoor temperature: 35°CDB, 24°CWB.
- The nominal heating capacity is based on the following conditons.
Indoor temperature: 20°CDB, 15°CWB; Outdoor temperature: 7°CDB, 6°CWB.
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