

1. Outdoor Unit

1-1. Specifications

Unit specifications

Outdoor		series	-			-		
		MODEL	U-4LE2E5			U-5LE2E5		
Performance test condition		EN14511			EN14511			
Power supply		ø,Hz	1Ø, 220-230-240V,50Hz			1Ø, 220-230-240V,50Hz		
		V	220	230	240	220	230	240
C O L L I N G	Capacity	kW	12.1	12.1	12.1	14.0	14.0	14.0
		BTU/h	41300	41300	41300	47800	47800	47800
	Current	A	13.3	12.7	12.2	17.0	16.3	15.6
	Input power	kW	2.69	2.69	2.69	3.45	3.45	3.45
	EER	-	4.50	4.50	4.50	4.06	4.06	4.06
	Power factor	%	92	92	92	92	92	92
N O I S E	Noise outdoor	dB-A (Normal)	52.0			53.0		
		Power Level dB (Normal)	69.0			71.0		
		dB-A (Silent 1)	49.0			50.0		
		dB-A (Silent 2)	47.0			48.0		
		dB-A (Silent 3)	45.0			46.0		
H E A T I N G	Capacity	kW	12.5	12.5	12.5	16.0	16.0	16.0
		BTU/h	42700	42700	42700	54600	54600	54600
	Current	A	12.2	11.6	11.2	17.6	16.8	16.1
	Input power	kW	2.41	2.41	2.41	3.48	3.48	3.48
	COP	-	5.19	5.19	5.19	4.60	4.60	4.60
	Power factor	%	90	90	90	90	90	90
N O I S E	Noise outdoor	dB-A (Normal)	54.0			56.0		
		Power Level dB (Normal)	72.0			75.0		
Max Current (A) / Max Input power (kW)			17.3 / 3.50	17.3 / 3.66	17.3 / 3.82	24.3 / 4.92	24.3 / 5.14	24.3 / 5.37
Starting current(A) / Comp output(W)			1 / -	1 / -	1 / -	1 / -	1 / -	1 / -
Time Delay fuse max size (A)			25			30		
Fan motor output		W / Pole number	120 / 8		120 / 8			
External static pressure		Pa	0 ~ 35			0 ~ 35		
Air flow		m ³ / min	69			72		
Refrigerant type / amount g			R410A / 6.7kg			R410A / 6.7kg		
P R O D U C T	dimension	Height mm	996			996		
		Width mm	980			980		
		Depth mm	370			370		
P A C K I N G	dimension	Height mm	1134			1134		
		Width mm	1095			1095		
		Depth mm	529			529		
W E I G H T	(NET) kg	106			106			
	(GROSS) kg	114			114			
Layers limit			3			3		
O P E R A T I O N	condition	Cool (DBT)	-10°C~46°C			-10°C~46°C		
		Heat (WBT)	-20°C~18°C			-20°C~18°C		
M A X. W O R K I N G P R E S S U R E	High side bar (MPa)	38.0 (3.80)			38.0 (3.80)			
	Low side bar (MPa)	27.0 (2.70)			27.0 (2.70)			
P I P I N G	Pipe diameter mm (inch)		(Liquid) 9.52(3/8) (Gas) 15.88(5/8)			(Liquid) 9.52(3/8) (Gas) 15.88(5/8)		
	Connecting method		flared(Liquid) , flared(Gas)			flared(Liquid) , flared(Gas)		
	Max tubing length m		7.5	~	150	7.5	~	150
	Total Max tubing length m		7.5	~	180	7.5	~	180
	Indoor unit & Outdoor unit height difference (Outdoor unit upper / Outdoor unit Lower) m		50 / 40			50 / 40		
Max connectable indoor units pcs.		7 (10)*			8 (12)*			
Max allowable indoor/outdoor capacity ratio %		50 ~ 130			50 ~ 130			

Max total refrigerant amount of outdoor unit is 14.4kg.

*In case of 1.5kW indoor unit's connection, able to connect maximum indoor units.

1. Outdoor Unit

1-1. Specifications

Unit specifications

Outdoor		series	-					
		MODEL	U-6LE2E5					
Performance test condition		EN14511						
Power supply		ø,Hz	1Ø, 220-230-240V,50Hz					
		V	220	230	240			
C O O L I N G	Capacity	kW	15.5	15.5	15.5			
		BTU/h	52900	52900	52900			
	Current	A	20.3	19.4	18.6			
	Input power	kW	4.15	4.15	4.15			
	EER	-	3.73	3.73	3.73			
	Power factor	%	93	93	93			
	Noise outdoor		dB-A (Normal)	54.0				
		Power Level dB (Normal)	73.0					
		dB-A (Silent 1)	51.0					
		dB-A (Silent 2)	49.0					
		dB-A (Silent 3)	47.0					
H E A T I N G	Capacity	kW	16.5	16.5	16.5			
		BTU/h	56300	56300	56300			
	Current	A	19.1	18.2	17.5			
	Input power	kW	3.86	3.86	3.86			
	COP	-	4.27	4.27	4.27			
	Power factor	%	92	92	92			
Noise outdoor		dB-A (Normal)	56.0					
		Power Level dB (Normal)	75.0					
Max Current (A) / Max Input power (kW)			27.4 / 5.61	27.4 / 5.86	27.4 / 6.12			
Starting current(A) / Comp output(W)			1 / -	1 / -	1 / -			
Time Delay fuse max size (A)			35					
Fan motor output	W / Pole number		120	/	8			
External static pressure	Pa		0 ~ 35					
Air flow	m ³ / min		74					
Refrigerant type / amount g			R410A / 6.7kg					
Product dimension	Height	mm	996					
	Width	mm	980					
	Depth	mm	370					
Packing dimension	Height	mm	1134					
	Width	mm	1095					
	Depth	mm	529					
Weight	(NET) kg		106					
	(GROSS) kg		114					
Layers limit			3					
Operation condition (Outdoor)	Cool (DBT)		-10°C~46°C					
	Heat (WBT)		-20°C~18°C					
MAX. WORKING PRESSURE	High side bar (MPa)		38.0 (3.80)					
	Low side bar (MPa)		27.0 (2.70)					
P I P I N G	Pipe diameter mm (inch)		(Liquid) 9.52(3/8) (Gas) 15.88(5/8)					
	Connecting method		flared(Liquid) , flared(Gas)					
	Max tubing length m		7.5	~	150			
	Total Max tubing length m		7.5	~	180			
	Indoor unit & Outdoor unit height difference (Outdoor unit upper / Outdoor unit Lower) m		50 / 40					
Max connectable indoor units pcs.			9 (12)*					
Max allowable indoor/outdoor capacity ratio %			50 ~ 130					

Max total refrigerant amount of outdoor unit is 14.4kg.

*In case of 1.5kW indoor unit's connection, able to connect maximum 12 indoor units.