

1. Outdoor Unit

1-1. Specifications

Unit specifications

Outdoor		series	-			-		
		MODEL	U-4LE2E8			U-5LE2E8		
Performance test condition		EN14511, EN14825			EN14511, EN14825			
Power supply		ø,Hz	3Ø, 380-400-415V,50Hz			3Ø, 380-400-415V,50Hz		
		V	380	400	415	380	400	415
C O O 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	4.39	4.17	4.02	5.58	5.30	5.11
	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	%	93	93	93	94	94	94
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	3.98	3.78	3.64	5.62	5.34	5.15
	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	%	92	92	92	94	94	94
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)			7.90 / 4.84	7.90 / 5.09	7.90 / 5.28	10.1 / 6.25	10.1 / 6.58	10.1 / 6.82
Starting current(A) / Comp output(W)			1 / -	1 / -	1 / -	1 / -	1 / -	1 / -
Time Delay fuse max size (A)			15			15		
Fan motor output		W / Pole number	120 / 8		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 10 indoor units.

1. Outdoor Unit

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Unit specifications

Outdoor		series	-		
		MODEL	U-6LE2E8		
Performance test condition		EN14511, EN14825			
Power supply		ø,Hz	3Ø, 380-400-415V,50Hz		
		V	380	400	415
C O O L I N G	Capacity	kW	15.5	15.5	15.5
		BTU/h	52900	52900	52900
	Current	A	6.71	6.37	6.14
	Input power	kW	4.15	4.15	4.15
	EER	-	3.73	3.73	3.73
	Power factor	%	94	94	94
N O I S E	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	6.24	5.93	5.71
	Input power	kW	3.86	3.86	3.86
	COP	-	4.27	4.27	4.27
	Power factor	%	94	94	94
N O I S E	Noise outdoor	dB-A (Normal)	56.0		
		Power Level dB (Normal)	75.0		
Max Current (A) / Max Input power (kW)			10.7 / 6.62	10.7 / 6.97	10.7 / 7.23
Starting current(A) / Comp output(W)			1 / -	1 / -	1 / -
Time Delay fuse max size (A)			15		
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		
P R O D U C T	dimension	Height	mm 996		
		Width	mm 980		
		Depth	mm 370		
P A C K I N G	dimension	Height	mm 1134		
		Width	mm 1095		
		Depth	mm 529		
W E I G H T	(NET) kg		106		
	(GROSS) kg		114		
Layers limit			3		
O P E R A T I O N		Cool (DBT)	-10°C~46°C		
		Heat (WBT)	-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)		
	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.