

1. Lineup

Indoor Unit	Outdoor Unit	Power Supply
FTKL25UV16WD	RKL25UV16WD	1 phase, 230 V, 50 Hz
FTKL35UV16WD	RKL35UV16WD	
FTKL50UV16VZ	RKL50UV16VD	
FTKL60UV16VZ	RKL60UV16VZ	

Note: Power Supply Intake; Outdoor Unit

2. Functions

Category	Functions	FTKL
Basic Function	Inverter (with variable inverter)	■
	Operation limit	Refer to P. 18
	Single cylinder swing compressor and reluctance DC motor	■
	PWM control	■
	Indoor fan motor	DC
	Outdoor fan motor	DC
Comfortable Airflow	Power-airflow dual flaps	■
	Wide-angle louvres	■
	Auto-swing (up and down)	■
	Auto-swing (right and left)	■
	3-D airflow	■
	COANDA operation	■
Comfort Control	Auto fan speed	■
	Fan speed	5 steps
	Indoor unit quiet operation	■
	OUTDOOR UNIT QUIET operation (manual)	—
	INTELLIGENT EYE operation (auto energy saving)	—
Operation Mode	Cooling mode	■
	Heating mode	—
	Dry mode	■
	Fan only mode	■
	POWERFUL operation	—
	POWER CHILL operation	■
	SMART GEN operation	■
Health and Cleanliness	Anti microbial filter	■
	Pre-filter	■
	Wipe-clean flat panel	■
	SMELL PROOF operation	■ □
	Dew clean function	■
	Streamer technology	—
Timers	24-hour ON/OFF TIMER	—
	Count up-down ON/OFF TIMER	■
	GOOD SLEEP OFF TIMER	■
Worry Free (Reliability & Durability)	Auto-restart after power failure	■
	Self-diagnosis (R/C, LED)	■
	Heat exchanger with copper tube and aluminum fin	■
	Anti-corrosion treatment of outdoor heat exchanger	■
	Auto heat exchanger cleaning	■
	Heat exchanger with enhanced anti-corrosion property with BTA oil	■
	Stabilizer free	■
Flexibility	Chargeless	10 m
	Either side drain (right or left)	■
	Installation kit	■
Remote Controller	Luminous button	■
	Backlight	■
	LCD backlight OFF	—
	Wireless LAN connection	Option
	Indoor unit ON/OFF switch	■
	CHILD LOCK	■
Indoor Unit Display	Power consumption display	—
	Room temperature display	—
	Set temperature display	—
	Automatic error code display	—
	Indoor unit LED brightness control	■

■ : Available

□ Activated only when the airflow rate is set to automatic in dry or cooling operation.

— : Not available

3. Specifications

Model		Indoor Unit Outdoor Unit		FTKL25UV16WD		FTKL35UV16WD		
				RKL25UV16WD		RKL35UV16WD		
Power supply				1 φ, 50 Hz, 230 V		1 φ, 50 Hz, 230 V		
Capacity Rated (Min. - Max.)				kW	2.50 (1.0 ~ 2.8)		3.50 (1.07 ~ 3.7)	
				Btu/h	8,530.3 (3,410 ~ 9,600)		11,942.4 (3,650 ~ 12,600)	
				kcal/h	2,150 (860 ~ 2,410)		3,010 (920 ~ 3,180)	
Moisture Removal				L/h	2.0		2.0	
Running Current (Rated)				A	3.58		5.25	
Power Consumption Rated (Min. - Max.)				W	782 (240 ~ 950)		1,148 (210 ~ 1,200)	
Annual Power Consumption (Rated)				kWh	—		—	
Power Factor (Rated)				%	95		95	
COP (Rated)				W/W	3.20		3.05	
Piping Connections		Liquid	mm	φ 6.4		φ 6.4		
		Gas	mm	φ 9.5		φ 9.5		
		Drain	mm	I.D. φ 14 / O.D. φ 18		I.D. φ 14 / O.D. φ 18		
Heat Insulation				Both Liquid and Gas Pipes		Both Liquid and Gas Pipes		
Max. Interunit Piping Length			m	15		15		
Max. Interunit Height Difference			m	12		12		
Chargeless			m	10		10		
Amount of Additional Charge of Refrigerant			g/m	20		20		
Indoor Unit				FTKL25UV16WZ		FTKL35UV16WZ		
Front Panel Colour				White		White		
Airflow Rate		H	m³/min (cfm)	11.1 (392)		11.1 (392)		
		M		9.3 (328)		9.3 (328)		
		L		6.8 (240)		6.8 (240)		
		SL		5.6 (198)		5.6 (198)		
Fan		Type	Cross Flow Fan		Cross Flow Fan			
		Motor Output	W	39		39		
		Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto		
Air Direction Control				Right, Left, Upwards, Downwards		Right, Left, Upwards, Downwards		
Air Filter				Removable, Washable, Mildew Proof		Removable, Washable, Mildew Proof		
Running Current (Rated)			A	0.19		0.19		
Power Consumption (Rated)			W	24		24		
Power Factor (Rated)			%	55		55		
Temperature Control				Microcomputer Control		Microcomputer Control		
Dimensions (H×W×D)			mm	298 × 800 × 229		298 × 800 × 229		
Packaged Dimensions (H×W×D)			mm	375 × 895 × 325		375 × 895 × 325		
Weight (Mass)			kg	9.5		9.5		
Gross Weight (Gross Mass)			kg	12.5		12.5		
Sound Pressure Level	H / M / L / SL	dB (A)	43 / 39 / 32 / 29		41 / 36 / 29 / 26			
Outdoor Unit				RKL25UV16WZ		RKL35UV16WZ		
Casing Colour				Ivory White		Ivory White		
Heat Exchanger		Fin Spec / Tube		Waffle Fin (PE) / φ7 Hi-XD Tube		Waffle Fin (PE) / φ7 Hi-XD Tube		
Compressor		Type	Hermetically Sealed Swing Type		Hermetically Sealed Swing Type			
		Model	1Y056BCBX1G		1Y056BCBX1G			
		Motor Output	W	520		520		
Refrigerant Oil		Type	FW50DA		FW50DA			
		Charge	L	0.275		0.275		
Refrigerant		Type	R-32		R-32			
		Charge	kg	0.41		0.53		
Airflow Rate	H	m³/min (cfm)	19.8 (700)		37.5 (1,324)			
Fan		Type	Propeller		Propeller			
		Motor Output	W	28		28		
Running Current (Rated)			A	3.39		5.06		
Power Consumption (Rated)			W	758		1,124		
Power Factor (Rated)			%	97		97		
Starting Current			A	3.58		5.25		
Dimensions (H×W×D)			mm	418 × 695 × 244		550 × 675 × 284		
Packaged Dimensions (H×W×D)			mm	475 × 810 × 335		620 × 825 × 400		
Weight (Mass)			kg	17.5		21.5		
Gross Weight (Gross Mass)			kg	22.5		27.5		
Sound Pressure Level	H	dB (A)	51		51			
Conditions Based on		Indoor	27°CDB / 19°CWB		27°CDB / 19°CWB			
		Outdoor	35°CDB		35°CDB			
		Piping Length	5 m		5 m			
Note (s)			Airflow rate (m³/min) during fan operation: H: 11.9, M: 10.0, L: 7.2, SL: 6.0		Airflow rate (m³/min) during fan operation: H: 11.9, M: 10.0, L: 7.2, SL: 6.0			
Drawing No.			3D151903B		3D151904B			

Conversion Formulae

kcal/h = kW × 860
 Btu/h = kW × 3412
 cfm = m³/min × 35.3

Model	Indoor Unit		FTKL50UV16VD	FTKL60UV16VD
	Outdoor Unit		RKL50UV16VD	RKL60UV16VD
Power supply			1 ϕ , 50 Hz, 230 V	1 ϕ , 50 Hz, 230 V
Capacity Rated (Min. - Max.)		kW	5.0 (1.75 ~ 5.2)	6.0 (2.0 ~ 6.0)
		Btu/h	17,060 (5,970 ~ 17,740)	20,500 (6,800 ~ 20,500)
		kcal/h	4,300 (1,500 ~ 4,470)	5,160 (1,720 ~ 5,160)
Moisture Removal		L/h	1.6	2.5
Running Current (Rated)		A	7.49	8.99
Power Consumption Rated (Min. - Max.)		W	1,637 (375 ~ 1,750)	1,965 (495 ~ 1,965)
Annual Power Consumption (Rated)		kWh	—	—
Power Factor (Rated)		%	95	95
COP (Rated)		W/W	3.05	3.05
Piping Connections	Liquid	mm	ϕ 6.4	ϕ 6.4
	Gas	mm	ϕ 12.7	ϕ 12.7
	Drain	mm	ϕ 18	ϕ 18
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Max. Interunit Piping Length		m	20	25
Max. Interunit Height Difference		m	16	20
Chargeless		m	10	10
Amount of Additional Charge of Refrigerant		g/m	20	20
Indoor Unit			FTKL50UV16VZ	FTKL60UV16UZ
Front Panel Colour			White	White
Airflow Rate	H	m ³ /min (cfm)	14.9 (526)	15.3 (540)
	M		13.2 (466)	12.9 (455)
	L		10.5 (371)	10.8 (381)
	SL		9.4 (332)	8.9 (314)
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W	39	39
	Speed	Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Air Direction Control			Right, Left, Horizontal, Downwards	Right, Left, Horizontal, Downwards
Air Filter			Removable, Washable, Mildew Proof	Removable, Washable, Mildew Proof
Running Current (Rated)		A	0.30	0.34
Power Consumption (Rated)		W	38	43
Power Factor (Rated)		%	55	55
Temperature Control			Microcomputer Control	Microcomputer Control
Dimensions (H×W×D)		mm	298 × 885 × 229	298 × 885 × 229
Packaged Dimensions (H×W×D)		mm	375 × 980 × 325	375 × 980 × 325
Weight (Mass)		kg	10.5	11
Gross Weight (Gross Mass)		kg	13.5	14
Sound Pressure Level	H / M / L / SL	dB (A)	45 / 40 / 35 / 32	48 / 43 / 38 / 32
Outdoor Unit			RKL50UV16VZ	RKL60UV16UZ
Casing Colour			Ivory White	Ivory White
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XD Tube	Waffle Fin (PE) / ϕ 7 Hi-XD Tube
Compressor	Type		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
	Model		1Y063BCAX1G	1Y115BKAX1N
	Motor Output	W	600	1,100
Refrigerant Oil	Type		FW50DA	FW68DA
	Charge	L	0.350	0.350
Refrigerant	Type		R-32	R-32
	Charge	kg	0.660	0.900
Airflow Rate	H	m ³ /min (cfm)	49 (1,730)	46 (1,624)
Fan	Type		Propeller	Propeller
	Motor Output	W	68	68
Running Current (Rated)		A	7.19	8.65
Power Consumption (Rated)		W	1,599	1,922
Power Factor (Rated)		%	97	97
Starting Current		A	7.49	8.99
Dimensions (H×W×D)		mm	595 × 845 × 300	595 × 845 × 300
Packaged Dimensions (H×W×D)		mm	680 × 1,035 × 410	680 × 1,035 × 410
Weight (Mass)		kg	28	32
Gross Weight (Gross Mass)		kg	34	38
Sound Pressure Level	H	dB (A)	54	56
Conditions Based on	Indoor		27°CDB / 19°CWB	27°CDB / 19°CWB
	Outdoor		35°CDB	35°CDB
	Piping Length		5 m	5 m
Note (s)			Airflow rate (m ³ /min) during fan operation: H: 16.2, M: 15.0, L: 11.9, SL: 10.6	Airflow rate (m ³ /min) during fan operation: H: 16.8, M: 13.9, L: 11.7, SL: 9.8
Drawing No.			3D151906B	3D151907B

Conversion Formulae

kcal/h = kW × 860
 Btu/h = kW × 3412
 cfm = m³/min × 35.3