



YORK YKF

ECOSISTEME HIDRONICE  
INTELIGENTE

ICOM



The power behind **your mission**



# ECOSISTEME HIDRONICE INTELIGENTE



Ecosistemele hidronice inteligente YKF oferă

- Încălzirea și răcirea spațiilor
- Apă caldă menajeră (DHW)

oferind o soluție completă, pe tot parcursul anului, care poate elimina necesitatea unui cazan tradițional pe gaz sau petrol sau poate funcționa împreună cu.

## DECARBONIZARE

Utilizarea aerului exterior ca sursă de energie regenerabilă.

Compatibil cu alte surse de căldură, cum ar fi panourile solare sau energia fotovoltaică

Cu tehnologie de invertor DC pentru eficiență ridicată

Capacitate suficientă de încălzire la temperaturi scăzute

Versatilitate pentru a se adapta la diferite aplicații, utilizări și zone geografice



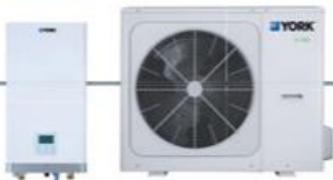


# Linia de produse: YKF

The YKF range offers flexibility to install the hydronic components indoors or outdoors.



With YKF Mono, the hydronic components are integrated into the outdoor unit, offering ease of installation.



With YKF Split the hydronic components are contained in a separate hydronic box or hydronic box with DHW tank for indoor installation.



	Mono	Împărțit cu/ Hydro . Box	Split w/DHW
Unitate exterioară (ODU)		✓	✓
Unitate interioară (IDU)	✓	✓	
Rezervor de apă caldă menajeră (DHW)	Field Supp.	Field Supp.	✓



# Unități monobloc YKF

## YKF Mono

Capacity (kW)	4	5	7	9	12	14	16	18	22	26	30
Appearance											
220-240V-1Ph	● ▲	● ▲ ▲	● ▲ ▲	● ▲ ▲	● ▲ ▲ ▲	● ▲ ▲ ▲	● ▲ ▲ ▲				
380-415V-3Ph				● ▲ ▲ ▲	● ▲ ▲ ▲	● ▲ ▲ ▲	● ▲ ▲ ▲	●	●	●	●

● Outdoor unit   ▲ Optional Electric heater (3 kW)   ▲ Optional Electric heater (4.5kW)   ▲ Optional Electric heater (6 kW)   ▲ Optional Electric heater (9 kW)



Compact  
0.4 m<sup>2</sup>



# Sisteme Split YKF

## YKF Split (Outdoor unit + Hydronic box)

Capacity (kW)	4	6	8	10	12	14	16
Appearance							
220~240V-1Ph	● ● ▲		● ● ▲		● ● ▲		
380~415V-3Ph			▲		▲		
	● Outdoor unit	● YKF60ANB Hydronic box (4-6 kW)	● YKF100ANB Hydronic box (8-10 kW)		● YKF160ANB Hydronic box (12-16 kW)		
		▲ Optional Electric heater (3 kW)	▲ Optional Electric heater (6/9 kW)				



## YKF Split (Outdoor unit + Hydronic box with DHW tank)

Capacity (kW)	4	6	8	10	12	14	16
Appearance							
220~240V-1Ph	● ● ● ▲		● ● ● ▲		● ● ▲		
380~415V-3Ph			● ● ● ▲		● ● ▲		
	● Outdoor unit	● YKF100/190ANB Split DHW Tank 190 liters	● YKF100/240ANB Split DHW Tank 240 liters		● YKF160/240ANB Split DHW Tank 240 liters		
		▲ Standard Electric heater (3 kW)	▲ Optional Electric heater (6/9 kW)				



190 litri  
240 litri  
AISI 316L din oțel  
inoxidabil

# Controale YKF



Unitate ON/OFF/Selectare mod/ Setare temp./ Setare temporizator ON/OFF/ Setare alte funcții/ Interogare parametru.....  
Senzor de temperatură încorporat și modul wifi  
Protocolul Modbus și flexibilitatea rețelei

Interfață de utilizator și control prin aplicație pentru smartphone incluse



# YKF Domeniul de aplicare al furnizării

## Monobloc 5 până la 16 kW Monoblock 4 kW

## Monoblock 16 - 30kW

Inclus

Installation Fittings		
Name	Shape	Quantity
Installation and owner's manual(this book)		1
Technical data manual		1
Y-shape filter		1
Wired controller		1
Thermistor(10m) for Tbt (or Tw2 or Tsolar or T5)		1
Drian hose		1
Energy label		1
Network matching wires		1
Protect Angle		1

Installation Fittings		
Name	Shape	Quantity
Installation and owner's manual(this book)		1
Operation manual		1
Technical data manual		1
Y-shape filter		1
Wired controller		1
Thermistor for domestic hot water tank or zone2 water flow or balance tank		1
Drian hose		1
Energy label		1
Tighten belt for customer wiring use		2
		3
Network matching wires		1

Accessories supplied with the unit					
Name	Shape	Quantity	Name	Shape	Quantity
Installation and owner's manual(this book)		1	Y-shape filter		1
Operation manual		1	Water outlet connection pipe assembly		2
Technical data manual		1	Wired controller		1
Thermistor for domestic hot water tank (T5) *		1	Adapter for inlet water pipe		1
Extension wire for T5		1	Network matching wire***		1
Tighten belt for customer wiring use		2			

Accesorii

Thermistor for buffer tank temp.(Tbt)	
Connection wiring of Tbt sensor	
Thermistor for Zone 2 flow temp.(Tw2)	
Thermistor for solar temp.(Tsolar)	
Thermistor for hot water tank temp.(T5)	

Thermistor for balance tank(Tbt1)		1
Extension wire for Tbt1		1
Thermistor for Zone 2 flow temp.(Tw2)		1
Extension wire for Tw2		1
Thermistor for solar temp.(Tsolar)		1
Extension wire for Tsolar		1

Accessories available from supplier					
Thermistor for balance tank (Tbt1)*		1	Extension wire for Tbt1		1
Thermistor for Zone 2 flow temp. (Tw2)		1	Extension wire for Tw2		1
Thermistor for solar temp. (Tsolar)		1	Extension wire for Tsolar		1

# Domeniul de furnizare YKF II

## Unități exterioare Split

Installation Fittings		
Name	Shape	Quantity
Outdoor unit installation & owners manual (this book)		1
Technical data manual		1
Water outlet connection pipe assembly		1

## Unitate interioară Split

Installation Fittings				
Name	Shape	Quantity		
		80	100	160
Installation and owner's manual(this book)		1	1	1
Operation manual		1	1	1
M16 Copper Nut Tamper Cap		1	1	1
M9 Copper Nut Tamper Cap		0	1	1
M6 Copper Nut Tamper Cap		1	0	0
M8 expansion screws		5	5	5
Thermistor for domestic hot water tank or zone 2 water flow		1	1	1
M16 Copper nut		1	1	1
Y-shape filter		1	1	1
Mounting bracket		1	1	1
Operation manual (Wire controller)		1	1	1

Accessories available from supplier		
Thermistor for balance tank(Tbt1)		1
Extension wire for Tbt1		1
Thermistor for Zone 2 flow temp.(Tw2)		1
Extension wire for Tw2		1
Thermistor for solar temp.(Tsolar)		1
Extension wire for Tsolar		1

## Rezervor Split DHW

Installation Fittings					Installation Fittings				
Name	Shape	Quantity			Name	Shape	Quantity		
		100/190	100/240	160/240			100-190	100-240	160-240
Installation and owner's manual(this book)		1	1	1	M9 Copper Nut		1	1	1
Operation manual		1	1	1	M16 Copper Nut		1	1	1
M16 Copper Nut Tamper Cap		1	1	1	Y-shape filter		1	1	1
M9 Copper Nut Tamper Cap		1	1	1	Operation manual (Wire controller)		1	1	1
M6 Copper Nut Tamper Cap		1	1	1	Transfer 9.52-6.35		1	1	1
M6 Copper Nut Tamper Cap		1	1	1	Belt L200		2	2	2
					Throat bander		1	1	1

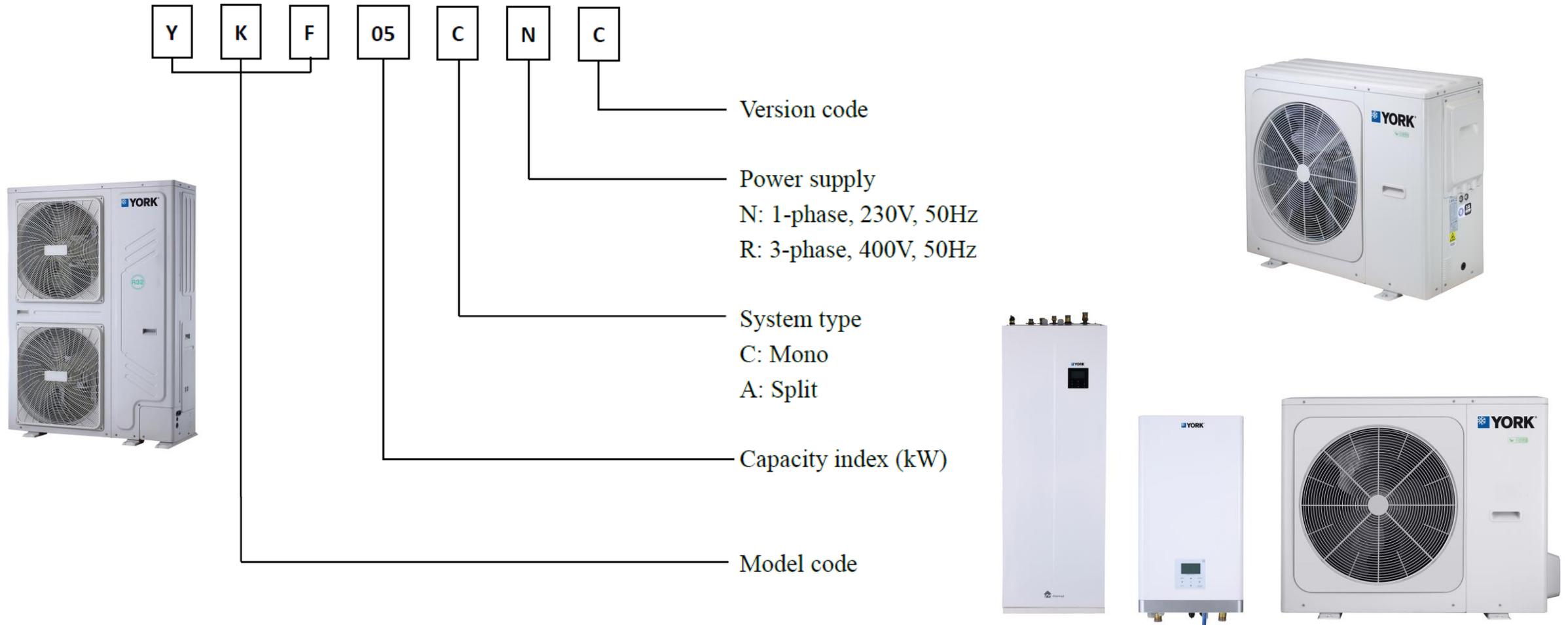
Inclus

Accesorii

Specificații



# Nomenclatură



# Monoblock

1. Evaporator air in 7°C, 85% R.H., Condenser water in/out 30/35°C
  2. Evaporator air in 7°C, 85% R.H., Condenser water in/out 40/45°C
  3. Evaporator air in 7°C, 85% R.H., Condenser water in/out 47/55°C
  4. Condenser air in 35°C. Evaporator water in/out 23/18°C
  5. Condenser air in 35°C. Evaporator water in/out 12/7°C
  6. Seasonal space heating energy efficiency class testes in average climate general conditions.
  7. Testing standard: EN12102-1. \* Cooling silent mode
  8. Backup electric heater is built into all models. For three phase type backup electric heater, 3/6kW can be achieved by changing DIP switch when heat pump is equipped with 9kW.
  9. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02:2014.
- \* For more details refer to Operating Limits.

Outdoor unit model			YKF04CNB	YKF05CNC	YKF07CNC	YKF09CNC	YKF12CNC	YKF14CNC	YK016CNC	YKF12CRC	YKF14CRC	YKF16CRC
Power supply	V/Ph/Hz		220-240/1/50						380-415/3/50			
Heating <sup>1</sup>	Capacity	kW	4.20	6.50	8.40	10.00	12.12	14.10	16.00	12.12	14.10	16.00
	Rated input	kW	0.82	1.23	1.66	2.13	2.49	3.00	3.56	2.49	3.00	3.56
	COP		5.10	5.30	5.05	4.70	4.90	4.70	4.50	4.90	4.70	4.50
Heating <sup>2</sup>	Capacity	kW	4.30	6.60	8.50	10.20	12.50	14.50	16.20	12.50	14.50	16.20
	Rated input	kW	1.13	1.65	2.24	2.80	3.38	4.09	4.70	3.38	4.09	4.70
	COP		3.80	4.00	3.80	3.65	3.70	3.55	3.45	3.70	3.55	3.45
Heating <sup>3</sup>	Capacity	kW	4.40	6.30	8.20	9.40	12.00	14.00	16.00	12.00	14.00	16.00
	Rated input	kW	1.49	1.97	2.60	3.03	4.00	4.75	5.61	4.00	4.75	5.61
	COP		2.95	3.20	3.15	3.10	3.00	2.95	2.85	3.00	2.95	2.85
Cooling <sup>4</sup>	Capacity	kW	4.50	6.50	8.30	10.00	12.20	13.90	15.40	12.20	13.90	15.40
	Rated input	kW	0.82	1.28	1.71	2.33	2.65	3.16	3.67	2.65	3.16	3.67
	EER		5.50	5.10	4.85	4.30	4.60	4.40	4.20	4.60	4.40	4.20
Cooling <sup>5</sup>	Capacity	kW	4.70	5.50	7.40	9.00	11.60	13.40	14.00	11.60	13.40	14.00
	Rated input	kW	1.36	1.69	2.35	3.10	3.74	4.58	4.83	3.74	4.57	4.83
	EER		3.45	3.25	3.15	2.90	3.10	2.93	2.90	3.10	2.93	2.90
Seasonal space heating energy efficiency class <sup>6</sup>	Water outlet at 35°C	class	A+++									
	Water outlet at 55°C	class	A++									
Refrigerant	Type (GWP)		R32 (675)									
	Charged volume	kg	1.40	1.25				1.80				
Sound power Level <sup>7</sup>	dB(A)		55	56*	58*	60*	63*	64*	64*	64*	64*	64*
Unit dimension (W×H×D)	mm		1295x792x429				865 x 1040 x 410					
Packing dimension (W×H×D)	mm		1375x945x475				970 x 1190 x 560					
Net/Gross weight	kg		98 / 121		87 / 103			106 / 122			120 / 136	
Outdoor air temperature range	Cooling	°C	-5~43									
	Heating	°C	-25~35									
	DHW	°C	-25~43									
Water side heat exchanger			Plate type									
Water pump	Max. pump head	m	9									
Water side connection	inch		R1*					R5/4*				
Backup E-heater <sup>8</sup>	Standard mounted	kW	-		Optional (Kit)							
	Optional	kW	3		3 or 4.5				4.5, 6 or 9			
	Power supply	3 kW	V/Ph/Hz	220-240/1/50						N/A		
		4.5 kW	V/Ph/Hz	220-240/1/50						380-415/3/50		
9 kW		V/Ph/Hz	N/A						380-415/3/50			
Water temperature setting range <sup>9</sup>	Cooling	°C	5~25									
	Heating	°C	25~65									
	DHW (tank)	°C	30~60		20~60							



# Monoblock

1. Evaporator air in 7°C, 85% R.H., Condenser water in/out 30/35°C
  2. Evaporator air in 7°C, 85% R.H., Condenser water in/out 40/45°C
  3. Evaporator air in 7°C, 85% R.H., Condenser water in/out 47/55°C
  4. Condenser air in 35°C. Evaporator water in/out 23/18°C
  5. Condenser air in 35°C. Evaporator water in/out 12/7°C
  6. Seasonal space heating energy efficiency class testes in average climate general conditions.
  7. Testing standard: EN12102-1. \* Cooling silent mode
  8. Backup electric heater is built into all models. For three phase type backup electric heater, 3/6kW can be achieved by changing DIP switch when heat pump is equipped with 9kW.
  9. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02:2014.
- \* For more details refer to Operating Limits.

Outdoor unit model			YKF18CRB	YKF22CRB	YKF26CRB	YKF30CRB
Power supply		V/Ph/Hz	380-415/3/50			
Heating <sup>1</sup>	Capacity	kW	18.00	22.00	26.00	30.10
	Rated input	kW	3.83	5.00	6.37	7.70
	COP		4.70	4.40	4.08	3.91
Heating <sup>2</sup>	Capacity	kW	18.00	22.00	26.00	30.00
	Rated input	kW	5.14	6.47	8.39	10.35
	COP		3.50	3.40	3.10	2.90
Heating <sup>3</sup>	Capacity	kW	18.00	22.00	26.00	30.00
	Rated input	kW	6.55	8.30	10.61	13.04
	COP		2.75	2.65	2.45	2.30
Cooling <sup>4</sup>	Capacity	kW	18.50	23.00	27.00	31.00
	Rated input	kW	3.90	5.00	6.28	7.75
	EER		4.75	4.60	4.30	4.00
Cooling <sup>5</sup>	Capacity	kW	17.00	21.00	26.00	29.50
	Rated input	kW	5.57	7.12	9.63	11.57
	EER		3.05	2.95	2.70	2.55
Seasonal space heating energy efficiency class <sup>6</sup>	Water outlet at 35°C	class	A+++	A+++	A+++	A++
	Water outlet at 55°C	class	A++	A++	A+	A+
Refrigerant	Type (GWP)		R32 (675)			
	Charged volume	kg	5.0			
Sound power Level <sup>7</sup>		dB(A)	71	73	75	77
Unit dimension (W×H×D)		mm	1129 x 1558 x 440			
Packing dimension (W×H×D)		mm	1220 x 1735 x 565			
Net/Gross weight		kg	177 / 206			
Outdoor air temperature range	Cooling	°C	-5~46			
	Heating	°C	-25~35			
	DHW	°C	-25~43			
Water side heat exchanger			Plate type			
Water pump	Max. pump head	m	12			
Water side connection		inch	R5/4*			
Water temperature setting range <sup>8</sup>	Cooling	°C	5~25			
	Heating	°C	25~60			
	DHW (tank)	°C	30~60			



# Split

1. Evaporator air in 7°C, 85% R.H., Condenser water in/out 30/35°C
  2. Evaporator air in 7°C, 85% R.H., Condenser water in/out 40/45°C
  3. Evaporator air in 7°C, 85% R.H., Condenser water in/out 47/55°C
  4. Condenser air in 35°C, Evaporator water in/out 23/18°C
  5. Condenser air in 35°C, Evaporator water in/out 12/7°C
  6. Seasonal space heating energy efficiency class testes in average climate general conditions.
  7. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 813/2013; (EU) No 813/2013; OJ 2014/C 207/02:2014
  8. Testing standard: EN12102-1.
  9. For three phase type backup electric heater, 3/6kW can be achieved by changing DIP switch when hydronic box is equipped with 9kW.
- \* For more details refer to Operating Limits.

Outdoor unit model			YKF04ANB	YKF06ANB	YKF08ANB	YKF10ANB	YKF12ANB	YKF14ANB	YK016ANB	YKF12ARB	YKF14ARB	YKF16ARB
Power supply		V/Ph/Hz	220-240/1/50						380-415/3/50			
Heating <sup>1</sup>	Capacity	kW	4.25	6.20	8.30	10.00	12.10	14.50	16.00	12.10	14.50	16.00
	Rated input	kW	0.82	1.24	1.60	2.00	2.44	3.09	3.56	2.44	3.09	3.56
	COP		5.20	5.00	5.20	5.00	4.95	4.70	4.50	4.95	4.70	4.50
Heating <sup>2</sup>	Capacity	kW	4.35	6.35	8.20	10.00	12.30	14.20	16.00	12.30	14.20	16.00
	Rated input	kW	1.14	1.69	2.08	2.63	3.24	3.89	4.44	3.24	3.89	4.44
	COP		3.80	3.75	3.95	3.80	3.80	3.65	3.60	3.80	3.65	3.60
Heating <sup>3</sup>	Capacity	kW	4.40	6.00	7.50	9.50	12.00	13.80	16.00	12.00	13.80	16.00
	Rated input	kW	1.49	2.00	2.36	3.06	3.87	4.60	5.52	3.87	4.60	5.52
	COP		2.95	3.00	3.18	3.10	3.10	3.00	2.90	3.10	3.00	2.90
Cooling <sup>4</sup>	Capacity	kW	4.50	6.55	8.40	10.00	12.00	13.50	14.90	12.00	13.50	14.90
	Rated input	kW	0.81	1.34	1.66	2.08	3.00	3.75	4.38	3.00	3.75	4.38
	EER		5.55	4.90	5.05	4.80	4.00	3.60	3.40	4.00	3.60	3.40
Cooling <sup>5</sup>	Capacity	kW	4.70	7.00	7.40	8.20	11.60	12.70	14.00	11.60	12.70	14.00
	Rated input	kW	1.36	2.33	2.19	2.48	4.22	4.98	5.71	4.22	4.98	5.71
	EER		3.45	3.00	3.38	3.30	2.75	2.55	2.45	2.75	2.55	2.45
Seasonal space heating energy efficiency class <sup>6</sup>	Water outlet at 35°C	class	A+++									
	Water outlet at 55°C	class	A++									
Refrigerant	Type (GWP)		R32 (675)									
	Charged volume	kg	1.50		1.65		1.84					
Sound power Level <sup>8</sup>		dB(A)	56	58	59	60	64	65	68	64	65	68
Unit dimension (WxHxD)		mm	1008 x 712 x 426			1118 x 865 x 523						
Packing dimension (WxHxD)		mm	1065 x 800 x 485			1180 x 890 x 560						
Net/Gross weight		kg	58 / 64		77 / 88		96 / 110			112 / 125		
Outdoor air temperature range	Cooling	°C	-5~43									
	Heating	°C	-25~35									
	DHW	°C	-25~43									
Indoor unit model			YKF60ANB	YKF100ANB	YKF160ANB							
Power supply		V/Ph/Hz	220-240/1/50									
Unit dimension (WxHxD)		mm	420 x 790 x 270									
Packing dimension (WxHxD)		mm	525 x 1050 x 360									
Net/Gross weight		kg	37 / 43			39 / 45						
Water side connection		inch	R1*									
Water pump	Max. pump head	m	9									
	Standard mounted	kW	NO									
Backup E-heater <sup>9</sup>	Optional	kW	3			6/9						
	Power supply	3 kW	220-240/1/50			N/A						
		6 kW	V/Ph/Hz	N/A			380-415/3/50 (separate power supply)			380-415/3/50		
		9 kW		N/A			380-415/3/50 (separate power supply)			380-415/3/50		
Water temperature setting range*	Cooling	°C	5~25									
	Heating	°C	25~65									
	DHW (tank)	°C	30~60									
Sound power Level <sup>8</sup>		dB(A)	38		42		43					



# Split

- (1) According to EN16147/2017; EU No:812/2013
- (2) DB/WB 7/6°C, LWT 35°C (ΔT=5°C)
- (3) DB/WB 7/6°C, LWT 45°C (ΔT=5°C)
- (4) DB 35°C, LWT 18°C (ΔT=5°C)
- (5) DB 35°C, LWT 7°C (ΔT=5°C)
- (6) According to EN14511/2018; EN14825/2018; EU No:811/2013
- (7) Sound power in heating mode, measured according to the EN 12102 under conditions of the EN 14825

Outdoor unit model			YKF04ANB	YKF06ANB	YKF08ANB	YKF10ANB		
Domestic hot water	Tapping profile according EN16147		L					
	Water heating energy efficiency class <sup>(1)</sup>	Average climate	class	A+	A+	A+	A+	
			COP	3.10	3.10	3.02	3.02	
		Warm climate	class	A+	A+	A+	A+	
			COP	3.80	3.80	3.66	3.66	
		Cold climate	class	A	A	A	A	
			COP	2.50	2.50	2.61	2.61	
	Heating	A7W35 <sup>(2)</sup>	Capacity	kW	4.25	6.20	8.30	10.00
			Rated input	kW	0.82	1.24	1.60	2.00
			COP		5.20	5.00	5.20	5.00
A7W45 <sup>(2)</sup>		Capacity	kW	4.35	6.35	8.20	10.00	
		Rated input	kW	1.14	1.69	2.08	2.63	
		COP		3.80	3.75	3.95	3.80	
Cooling	A35W18 <sup>(4)</sup>	Capacity	kW	4.50	6.55	8.40	10.00	
		Rated input	kW	0.81	1.34	1.66	2.08	
		EER		5.55	4.90	5.05	4.80	
	A35W7 <sup>(4)</sup>	Capacity	kW	4.70	7.00	7.40	8.20	
		Rated input	kW	1.36	2.33	2.19	2.48	
		EER		3.45	3.00	3.38	3.30	
Space heating	Seasonal space heating energy efficiency class <sup>(5)</sup>	Water outlet at 35°C	class	A+++	A+++	A+++	A+++	
		Water outlet at 55°C	class	A++	A++	A++	A++	
Power supply			V/Ph/Hz				220-240/1/50	
Unit dimension (W×H×D)			mm		1008 x 712 x 426		1118 x 865 x 523	
Packing dimension (W×H×D)			mm		1065 x 810 x 485		1190 x 970 x 560	
Net/Gross weight			kg		60 / 65.5		78.5 / 92	
Outdoor unit sound power Level <sup>(7)</sup>			dB(A)		56		58	
Refrigerant	Type (GWP)		R32 (675)					
	Charged volume		kg		1.50		1.65	
	Refrigerant to be added		g/m		20		38	
Refrigerant piping connections	Liquid side		mm		Ø 6.35		Ø 9.52	
	Gas side		mm		Ø 15.9		Ø 15.9	
	Max. piping length		m		30			
	Max. difference in height		m		20			
Drain connection			DN32					
Ambient temperature range	Heating		°C				-25-35	
	Cooling		°C				-5-43	
	Domestic hot water		°C				-25-43	

Indoor unit model			YKF100/190ANB		
Power supply			V/Ph/Hz		220-240/1/50
Rated input			W		3095
DHW Tank	Type				Stainless steel
	Material				SUS 316L
	Water volume		L		190
	Maximum water temperature (Disinfection mode)		°C		70
	Insulation		Material		Polyurethane (Cyclopentane)
Heat exchanger					Plate heat exchanger
Backup heater	Standard mounted		kW		3 (6/9 kW in option)
	Capacity steps				1
	Power supply		3 kW		220-240/1/50
			6 kW		380-415/3/50 (separate power supply)
		9 kW		380-415/3/50 (separate power supply)	
Water Pump	Type				DC Inverter
	Max. head		m		9
Water piping connections	Water circuit		Inlet		R1"
			Outlet		R1"
	DHW tank water circuit		Cold water inlet		R3/4"
			Hot water outlet		R3/4"
			Recirculation		R3/4"
					R3/4"
Unit dimension (W×H×D)			mm		600 x 1683 x 600
Packing dimension (W×H×D)			mm		730 x 1920 x 730
Net/Gross weight			kg		140 / 161
Indoor unit sound power Level <sup>(7)</sup>			dB(A)		38
Ambient temperature range			°C		5-35
Water outlet temperature	Heating (heating pump)		°C		25-65
	Cooling		°C		5-25
	Domestic hot water		°C		30-60



# Split

- (1) According to EN16147/2017; EU No:812/2013
- (2) DB/WB 7/6°C, LWT 35°C (ΔT=5°C)
- (3) DB/WB 7/6°C, LWT 45°C (ΔT=5°C)
- (4) DB 35°C, LWT 18°C (ΔT=5°C)
- (5) DB 35°C, LWT 7°C (ΔT=5°C)
- (6) According to EN14511/2018; EN14825/2018; EU No:811/2013
- (7) Sound power in heating mode, measured according to the EN 12102 under conditions of the EN 14825

Outdoor unit model			YKF04ANB	YKF06ANB	YKF08ANB	YKF10ANB		
Domestic hot water	Tapping profile according EN16147		XL					
	Water heating energy efficiency class <sup>(1)</sup>	Average climate	class	A+	A+	A+	A+	
			COP	3.34	3.34	3.36	3.36	
		Warm climate	class	A+	A+	A+	A+	
			COP	4.24	4.24	4.18	4.18	
		Cold climate	class	A	A	A	A	
			COP	2.63	2.63	2.72	2.72	
	Heating	A7W35 <sup>(2)</sup>	Capacity	kW	4.25	6.20	8.30	10.00
			Rated input	kW	0.82	1.24	1.60	2.00
		A7W45 <sup>(2)</sup>	COP		5.20	5.00	5.20	5.00
Capacity			kW	4.35	6.35	8.20	10.00	
A7W45 <sup>(2)</sup>		Rated input	kW	1.14	1.69	2.08	2.63	
		COP		3.80	3.75	3.95	3.80	
Cooling	A35W18 <sup>(4)</sup>	Capacity	kW	4.50	6.55	8.40	10.00	
		Rated input	kW	0.81	1.34	1.66	2.08	
	A35W7 <sup>(2)</sup>	EER		5.55	4.90	5.05	4.80	
		Capacity	kW	4.70	7.00	7.40	8.20	
	A35W7 <sup>(2)</sup>	Rated input	kW	1.36	2.33	2.19	2.48	
		EER		3.45	3.00	3.38	3.30	
Space heating	Seasonal space heating energy efficiency class <sup>(5)</sup>	Water outlet at 35°C	class	A+++	A+++	A+++	A+++	
		Water outlet at 55°C	class	A++	A++	A++	A++	
Power supply		V/Ph/Hz	220-240/1/50					
Unit dimension (WxHxD)		mm	1008 x 712 x 426		1118 x 865 x 523			
Packing dimension (WxHxD)		mm	1065 x 810 x 485		1190 x 970 x 560			
Net/Gross weight		kg	60 / 65.5		78.5 / 92			
Outdoor unit sound power Level <sup>(7)</sup>		dB(A)	56	58	59	60		
Refrigerant	Type (GWP)		R32 (675)					
	Charged volume	kg	1.50		1.65			
Refrigerant piping connections	Refrigerant to be added	g/m	20		38			
	Liquid side	mm	Ø 6.35		Ø 9.52			
Refrigerant piping connections	Gas side	mm	Ø 15.9		Ø 15.9			
	Max. piping length	m	30					
Drain connection	Max. difference in height	m	20					
			DN32					
Ambient temperature range	Heating	°C	-25-35					
	Cooling	°C	-5-43					
	Domestic hot water	°C	-25-43					

Indoor unit model			YKF100/240ANB	
Power supply		V/Ph/Hz	220-240/1/50	
Rated input		W	3095	
DHW Tank	Type		Stainless steel	
	Material		SUS 316L	
	Water volume	L	240	
	Maximum water temperature (Disinfection mode)	°C	70	
Insulation	Material		Polyurethane (Cyclopentane)	
			Plate heat exchanger	
Heat exchanger			3 (6/9 kW in option)	
Backup heater	Standard mounted	kW	1	
	Capacity steps		220-240/1/50	
	Power supply	3 kW 6 kW 9 kW	V/Ph/Hz	380-415/3/50 (separate power supply) 380-415/3/50 (separate power supply)
Water Pump	Type		DC Inverter	
	Max. head	m	9	
Water piping connections	Water circuit	Inlet	R1"	
		Outlet	R1"	
	DHW tank water circuit	Cold water inlet	R3/4"	
		Hot water outlet	R3/4"	
Recirculation		R3/4"		
Unit dimension (WxHxD)		mm	600 x 1943 x 600	
Packing dimension (WxHxD)		mm	730 x 2180 x 730	
Net/Gross weight		kg	157 / 178	
Indoor unit sound power Level <sup>(7)</sup>		dB(A)	38	40
Ambient temperature range		°C	5-35	
Water outlet temperature	Heating (heating pump)	°C	25-65	
	Cooling	°C	5-25	
	Domestic hot water	°C	30-60	



# Split

- (1) According to EN16147/2017;EU No:812/2013
- (2) DB/WB 7/6°C, LWT 35°C (ΔT=5°C)
- (3) DB/WB 7/6°C, LWT 45°C (ΔT=5°C)
- (4) DB 35°C, LWT 18°C (ΔT=5°C)
- (5) DB 35°C, LWT 7°C (ΔT=5°C)
- (6) According to EN14511/2018; EN14825/2018; EU No:811/2013
- (7) Sound power in heating mode, measured according to the EN 12102 under conditions of the EN 14825

Outdoor unit model		YKF12ANB	YKF14ANB	YKF16ANB	YKF12ARB	YKF14ARB	YKF16ARB			
Domestic hot water	Tapping profile according EN16147		XL							
	Water heating energy efficiency class <sup>(1)</sup>	Average climate	class	A+	A+	A+	A+	A+		
		Warm climate	COP	3.00	3.00	3.00	3.00	3.00		
			class	A+	A+	A+	A+	A+		
		Cold climate	COP	3.73	3.73	3.73	3.73	3.73		
			class	A	A	A	A	A		
		Heating	A7W35 <sup>(2)</sup>	Capacity	kW	12.10	14.50	16.00	12.10	14.50
	Rated input			kW	2.44	3.09	3.56	2.44	3.09	3.56
	COP			4.95	4.70	4.50	4.95	4.70	4.50	
	A7W45 <sup>(2)</sup>		Capacity	kW	12.30	14.20	16.00	12.30	14.20	16.00
Rated input			kW	3.24	3.89	4.44	3.24	3.89	4.44	
COP			3.80	3.65	3.60	3.80	3.65	3.60		
Cooling	A35W18 <sup>(4)</sup>	Capacity	kW	12.00	13.50	14.90	12.00	13.50	14.90	
		Rated input	kW	3.00	3.75	4.38	3.00	3.75	4.38	
		EER	4.00	3.60	3.40	4.00	3.60	3.40		
	A35W7 <sup>(4)</sup>	Capacity	kW	11.60	12.70	14.00	11.60	12.70	14.00	
		Rated input	kW	4.22	4.98	5.71	4.22	4.98	5.71	
		EER	2.75	2.55	2.45	2.75	2.55	2.45		
Space heating	Seasonal space heating energy efficiency class <sup>(6)</sup>	Water outlet at 35°C	class	A+++	A+++	A+++	A+++	A+++	A+++	
		Water outlet at 55°C	class	A++	A++	A++	A++	A++	A++	
Power supply		V/Ph/Hz	220-240/1/50			380-415/3/50				
Unit dimension (W×H×D)		mm	1118 x 865 x 523			380-415/3/50				
Packing dimension (W×H×D)		mm	1190 x 970 x 560							
Net/Gross weight		kg	100 / 113.5			116 / 129.5				
Outdoor unit sound power Level <sup>(7)</sup>		dB(A)	64	65	68	64	65	68		
Refrigerant	Type (GWP)		R32 (675)							
	Charged volume	kg	1.84							
	Refrigerant to be added	g/m	38							
Refrigerant piping connections	Liquid side	mm	Ø 9.52							
	Gas side	mm	Ø 15.9							
	Max. piping length	m	30							
	Max. difference in height	m	20							
Drain connection			DN32							
Ambient temperature range	Heating	°C	-25-35							
	Cooling	°C	-5-43							
	Domestic hot water	°C	-25-43							

Indoor unit model		YKF160/240ANB				
Power supply		V/Ph/Hz		220-240/1/50		
Rated input		W		3095		
DHW Tank	Type	Stainless steel				
	Material	SUS 316L				
	Water volume	L				
	Maximum water temperature (Disinfection mode)	°C				
	Insulation	Polyurethane (Cyclopentane)				
Heat exchanger			Plate heat exchanger			
	Standard mounted		3 (6/9 kW in option)			
Backup heater	Capacity steps		1			
	Power supply	3 kW	220-240/1/50			
		6 kW	380-415/3/50 (separate power supply)			
9 kW		380-415/3/50 (separate power supply)				
Water Pump	Type	DC Inverter				
	Max. head	m		9		
Water piping connections	Water circuit	Inlet	R1"			
		Outlet	R1"			
	DHW tank water circuit	Cold water inlet	R3/4"			
		Hot water outlet	R3/4"			
		Recirculation	R3/4"			
		Unit dimension (W×H×D)		mm		600 x 1943 x 600
Packing dimension (W×H×D)		mm		730 x 2180 x 730		
Net/Gross weight		kg		159 / 180		
Indoor unit sound power Level <sup>(7)</sup>		dB(A)	42	44	42	44
Ambient temperature range		°C		5-35		
Water outlet temperature	Heating (heating pump)	°C		25-65		
	Cooling	°C		5-25		
	Domestic hot water	°C		30-60		

