



Daikin Altherma HPC

Heat pump convectors
A fresh approach to comfort



FWXV/T/M-ATV3 series

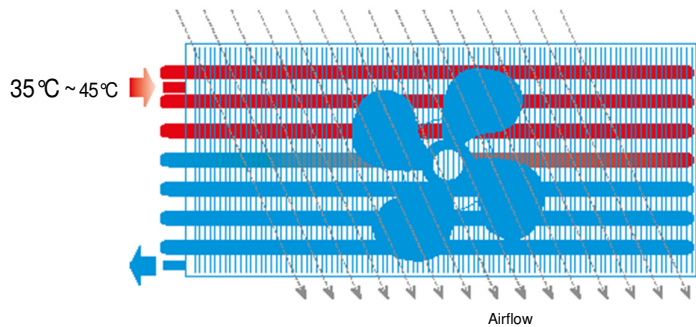
Daikin Altherma HPC Floor standing model

By providing cooling and heating, Daikin Altherma HPC is combinable with underfloor piping and can replace outdated radiators. The unit is available in three models (floor standing, wall mounted and concealed) and fits in any bedrooms or living rooms thanks to its silent operation.

What is a heat pump convector

The way a heat pump convector works is similar to a radiator, as both use convection to heat a room. A radiator creates convection by running water through its pipes. With a heat pump convector, a radiator's convection process is faster because there is a small fan behind it speeding up the heating cycle.

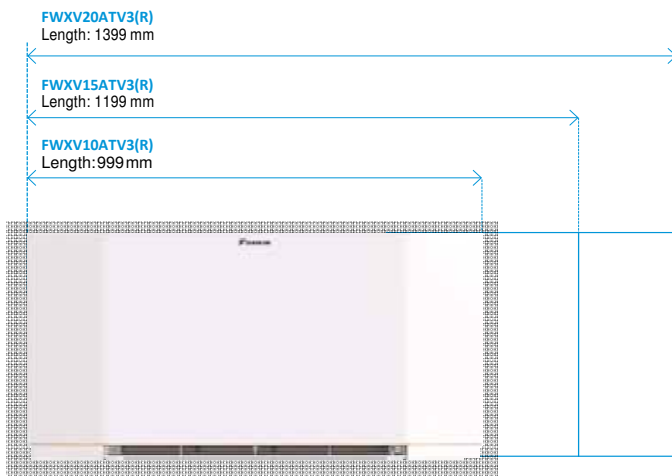
A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures in the radiator, and in the long run, contribute to direct energy savings for users.



- › Optimized for new build houses
- › Can be selected at low water temperature (35°C) which makes it ideal for heat pump applications.

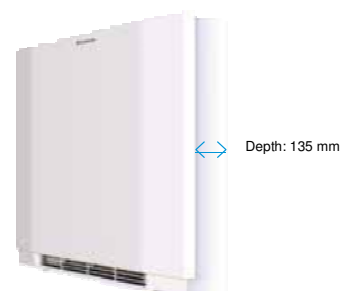
Slim design

The floor standing Daikin Altherma HPC measures 135 mm (depth), this heat pump convector can fit in any house or apartment.



Fast and high capacity

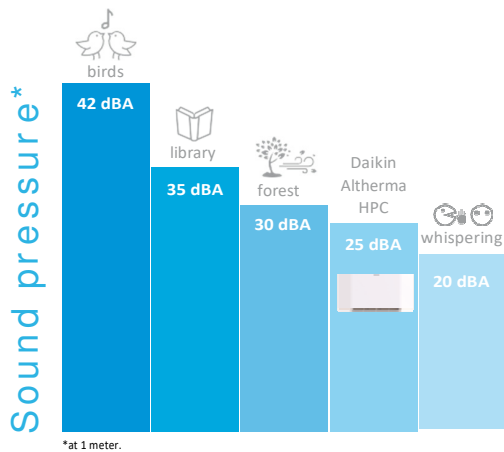
The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high capacity heating or cooling faster and can be selected at ultra-low temperatures (35/30°C regime).





Discreet

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. The unit's sound pressure measures 25dB(A) at 1m when the fan is on a low-speed setting.



DC Inverter

Daikin Altherma HPC uses the latest technologies to consume less electricity down to 3W of standby power input.



Controls

Daikin offers a wide variety of controllers that are functional and have a great design.

EKRTCTRL1



- > Built-in controller
- > Fully modulating
- > Multicolor display

EKRTCTRL2



- > Built-in controller
- > 4 speed selection

EKWHCTRL1



- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0

EKPCBO



- > Built-in controller
- > ON/OFF
- > In combination with external thermostats



Modulated airflow

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.



* Only applicable for EKRTCTRL1, EKWHCTRL1



Perfect combination

This heat pump convector fits perfectly within the Daikin Altherma 3 range.

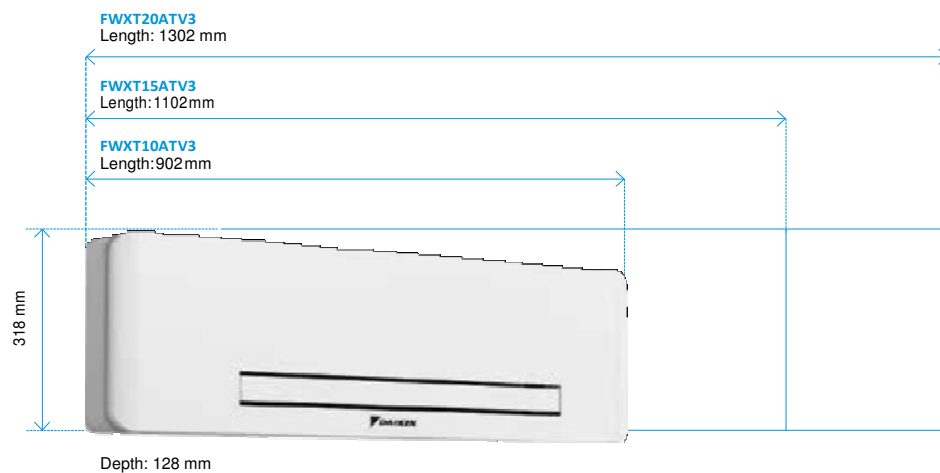


Wall mounted model



Slim design

Daikin Altherma HPC is a compact unit made of a design metal casing including all valves. Its wall hung application saves space on the floor for furnitures and decoration.



Controls

Choice of:

- Fully modulating controller allowing remote control of the unit.
- Infrared remote controller and on-board touch panel.

EKWHCTRL1

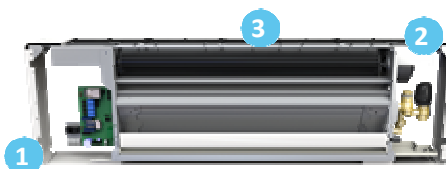


- > Wall controller
- > Fully modulating

Infrared remote controller



Compactness



1 SLIM DEPTH
Depth of 129 mm is an outstanding technical achievement that ensures the best fitting into any residential dwelling.

2 MORE SPACE FOR VALVES
A special attention to the easiness of installation: the space for hydraulic valves is wide and easy accessible.

3 MODULATED AIRFLOW
When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.

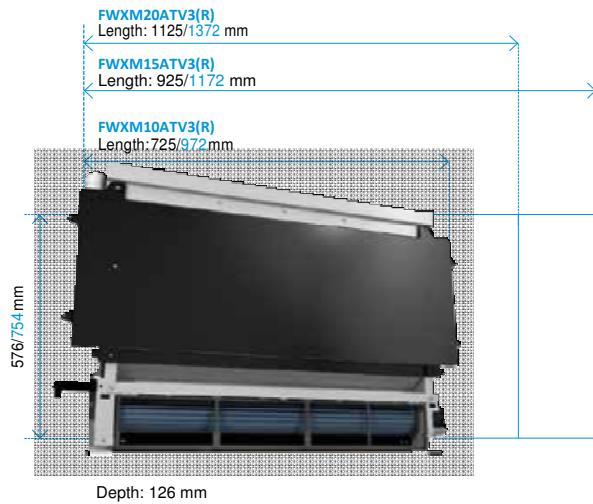


Concealed model



Slim design

Blue dimensions are for the front cover.



Controls

EKWHCTRL1



- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0



Flexible installation

Daikin Altherma HPC can be installed in 4 different ways, allowing you to install it in almost all conditions. The unit can be positioned horizontally or vertically. For horizontal, in ceiling installation, 3 different possibilities are offered:

- > Horizontal cover panel and vertical grill for air outlet
- > Horizontal intake grill and vertical grill for air outlet
- > Horizontal in and out grills for air outlet



Indoor unit				FWXV10ATV3(R)	FWXV15ATV3(R)	FWXV20ATV3(R)	
Cooling capacity at 7/12 °C	Min.		kW	0,66	1,30	1,82	
	Med.		kW	1,36	2,16	2,52	
	Max.		kW	1,77	2,89	3,20	
Sensible cooling capacity at 7/12 °C	Min.		kW	0,39	0,99	1,22	
	Med.		kW	0,98	1,53	1,55	
	Max.		kW	1,33	2,10	1,78	
Heating capacity at 35/30 °C	Min.		kW	0,41	0,45	0,93	
	Med.		kW	0,82	1,29	1,66	
	Max.		kW	1,14	1,73	2,15	
Heating capacity at 45/40 °C	Min.		kW	0,95	1,24	1,90	
	Med.		kW	1,63	2,33	3,05	
	Max.		kW	2,18	3,11	3,88	
Power input	Min.		kW	0,004	0,005	0,010	
	Med.		kW	0,011	0,012	0,016	
	Max.		kW	0,020	0,020	0,030	
Fan speed	Min.		m³/h	118	180	246	
	Med.		m³/h	210	318	410	
	Max.		m³/h	294	438	566	
Casing	Colour	RAL 9003					
	Material	Metal sheet					
Dimensions	Unit	Height	mm	601			
		Width	mm	999	1199	1399	
		Depth	mm	135	135	135	
	Packed unit	Height	mm	690			
		Width	mm	1230	1430	1630	
		Depth	mm	210			
Weight	Unit		kg	20	23	26	
	Packed unit		kg	21	24	27	
Packing	Material	Carton					
	Weight		kg	1			
Heat exchanger	Quantity	1					
	Internal coil volume		l	0,8	1,13	1,46	
		Max Operating pressure		bar	10		
Water circuit	Piping connections diameter	3/4" male					
	Piping material	EUROKONUS					
	Heating - Water pressure drop at 35/30 °C	Min.		kPa	0,3	2,0	1,2
		Med.		kPa	1,3	7,5	4,0
		Max.		kPa	2,4	12,3	8,0
	Heating - Water pressure drop at 45/40 °C	Min.		kPa	1,3	8,6	3,8
		Med.		kPa	4,2	3,3	11,2
		Max.		kPa	7,2	11,5	21,3
	Cooling - Water pressure drop at 7/12 °C	Min.		kPa	1,2	4,3	2,1
		Med.		kPa	2,8	19,3	13,1
		Max.		kPa	2,9	27,0	24,0
	Heating - Water flow rate at 35/30 °C	Min.		kg/h	69,9	73,6	160,2
		Med.		kg/h	141,4	221,1	285,3
		Max.		kg/h	195,2	297,2	369,9
	Heating - Water flow rate at 45/40 °C	Min.		kg/h	163,5	212,5	327,0
		Med.		kg/h	280,3	401,1	524,6
		Max.		kg/h	374,1	534,5	667,5
	Cooling - Water flow rate at 7/12 °C	Min.		kg/h	113,5	223,7	313,0
		Med.		kg/h	234,1	371,7	433,6
		Max.		kg/h	303,6	496,6	550,6
	Pressure			bar	10	10	10
			Heating/Max.				
	Sound power level	Super silent		dB(A)	29	31	32
Min.			dB(A)	34	35	35	
Max.			dB(A)	55	57	58	
Sound pressure level	Super silent		dB(A)	20	22	23	
	Min.		dB(A)	25	26	26	
	Max.		dB(A)	42	44	45	
Operation range	Heating	Water side	Min.	°C	30		
			Max.	°C.	85		
	Cooling	Water side	Min.	°C.	5		
			Max.	°C	18		
	Indoor installation	Ambient	Min.	°CDB	0		
			Max.	°CDB	45		
Control systems	Infrared remote control	no					
	On board control	yes					
Electrical specifications				FWXV10ATV3(R)	FWXV15ATV3(R)	FWXV20ATV3(R)	
Power supply	Phase	1					
	Frequency		Hz	50			
	Voltage		V	230			
Electrical power consumption	Max.		W	19	20	29	
	Standby		W	3	4	5	
Current	Maximum running current		A	0,16	0,16	0,26	

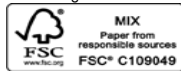
Indoor unit			FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)	
Cooling capacity at 7/12 °C	Min.	kW	0,75	1,15	1,32	
	Med.	kW	1,36	2,08	2,39	
	Max.	kW	2,12	2,81	3,30	
Sensible cooling capacity at 7/12 °C	Min.	kW	0,59	0,83	1,02	
	Med.	kW	1,07	1,51	1,84	
	Max.	kW	1,72	2,11	2,71	
Heating capacity at 35/30 °C	Min.	kW	0,41	0,45	0,93	
	Med.	kW	0,82	1,29	1,66	
	Max.	kW	1,14	1,73	2,15	
Heating capacity at 45/40 °C	Min.	kW	0,82	1,20	1,47	
	Med.	kW	1,53	2,16	2,59	
	Max.	kW	2,21	3,02	3,81	
Power input	Min.	kW	0,004	0,005	0,006	
	Med.	kW	0,008	0,011	0,011	
	Max.	kW	0,019	0,020	0,029	
Fan speed	Min.	m³/h	118	180	246	
	Med.	m³/h	210	318	410	
	Max.	m³/h	294	438	566	
Casing	Material		No casing			
Dimensions	Unit	Height	576			
		Width	725	925	1125	
		Depth	126	126	126	
	Packed unit	Height	690			
		Width	830	1030	1230	
		Depth	210			
Weight	Unit	kg	12	15	18	
	Packed unit	kg	13	16	19	
Packing	Material		Carton			
	Weight		kg			
Heat exchanger	Quantity		1	1	1	
	Internal coil volume		l	0,8	1,13	1,46
	Max Operating pressure		bar	10		
Water circuit	Piping connections diameter		inch			
	Piping material		3/4" male EUROKONUS			
	Heating - Water pressure drop at 35/30 °C	Min.	kPa	0,3	2,0	1,2
		Med.	kPa	1,3	7,5	4,0
		Max.	kPa	2,4	12,3	8,0
	Heating - Water pressure drop at 45/40 °C	Min.	kPa	1,3	8,6	3,8
		Med.	kPa	4,2	3,3	11,2
		Max.	kPa	7,2	11,5	21,3
	Cooling - Water pressure drop at 7/12 °C	Min.	kPa	1,2	4,3	2,1
		Med.	kPa	2,8	19,3	13,1
		Max.	kPa	2,9	27,0	24,0
	Heating - Water flow rate at 35/30 °C	Min.	kg/h	69,9	73,6	160,2
		Med.	kg/h	141,4	221,1	285,3
		Max.	kg/h	195,2	297,2	369,9
	Heating - Water flow rate at 45/40 °C	Min.	kg/h	163,5	212,5	327,0
		Med.	kg/h	280,3	401,1	524,6
		Max.	kg/h	374,1	534,5	667,5
Cooling - Water flow rate at 7/12 °C	Min.	kg/h	113,5	223,7	313,0	
	Med.	kg/h	234,1	371,7	433,6	
	Max.	kg/h	303,6	496,6	550,6	
Sound power level	Pressure	Heating/Max.	bar	10	10	
	Super silent		dBa	29	31	
	Min.		dBa	35	36	
	Max.		dBa	53	55	
Sound pressure level	Super silent		dBa	20	22	
	Min.		dBa	25	26	
	Max.		dBa	42	44	
Operation range	Heating	Water side	Min.	°C		
			Max.	°C		
	Cooling	Water side	Min.	°C		
			Max.	°C		
	Indoor installation	Ambient	Min.	°CDB		
			Max.	°CDB		
Control systems	Infrared remote control		no			
	On board control		no			
Electrical specifications			FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)	
Power supply	Phase		1			
	Frequency		Hz			
	Voltage		V			
Electrical power consumption	Max.	W	19	20	29	
	Standby	W	3	4	5	
Current	Maximum running current		A	0,16	0,16	0,26

Indoor unit				FWXT10ATV3(C)	FWXT15ATV3(C)	FWXT20ATV3(C)	
Cooling capacity at 7/12 °C	Min.		kW	0,53	0,65	0,74	
	Med.		kW	0,98	1,20	1,35	
	Max.		kW	1,21	1,62	2,12	
Sensible cooling capacity at 7/12 °C	Min.		kW	0,13	0,15	0,36	
	Med.		kW	0,40	0,56	0,70	
	Max.		kW	1,01	1,44	1,99	
Heating capacity at 35/30 °C	Min.		kW	0,29	0,23	0,47	
	Med.		kW	0,48	0,69	1,08	
	Max.		kW	0,66	1,00	1,44	
Heating capacity at 45/40 °C	Min.		kW	0,61	0,85	1,08	
	Med.		kW	1,12	1,51	1,95	
	Max.		kW	1,51	2,03	2,62	
Power input	Min.		kW	0,004	0,005	0,006	
	Max.		kW	0,019	0,020	0,029	
Fan speed	Min.		m³/h	84	124	138	
	Med.		m³/h	155	229	283	
	Max.		m³/h	228	331	440	
Casing	Colour			RAL 9003			
	Material			Metal sheet			
Dimensions	Unit	Height	mm	335			
		Width	mm	902	1100	1300	
		Depth	mm	128			
	Packed unit	Height	mm	490			
		Width	mm	1030	1230	1430	
		Depth	mm	210			
Weight	Unit		kg	14	16	19	
	Packed unit		kg	15	17	20	
Packing	Material			Carton			
	Weight		kg	1			
Heat exchanger	Quantity			1			
	Internal coil volume		l	0,54	0,74	0,93	
		Max Operating pressure		bar	10		
Water circuit	Piping connections diameter		inch	3/4" male			
	Piping material			EUROKONUS			
	Heating - Water pressure drop at 35/30 °C	Min.		kPa	0,2	1,9	0,3
		Med.		kPa	0,9	2,9	1,4
		Max.		kPa	1,6	3,3	2,3
	Heating - Water pressure drop at 45/40 °C	Min.		kPa	1,1	2,8	1,1
		Med.		kPa	3,1	3,5	4,1
		Max.		kPa	5,4	4,0	6,6
	Cooling - Water pressure drop at 7/12 °C	Min.		kPa	1,1	3,9	1,3
		Med.		kPa	3,0	4,8	4,2
		Max.		kPa	5,2	5,7	6,9
	Heating - Water flow rate at 35/30 °C	Min.		kg/h	39,3	39,0	80,8
		Med.		kg/h	81,8	119,4	185,4
		Max.		kg/h	114,0	172,4	247,8
	Heating - Water flow rate at 45/40 °C	Min.		kg/h	91,9	112,6	164,8
		Med.		kg/h	162,0	216,6	341,0
		Max.		kg/h	218,4	310,0	447,2
	Cooling - Water flow rate at 7/12 °C	Min.		kg/h	82,1	98,9	156,5
		Med.		kg/h	138,1	177,4	300,6
		Max.		kg/h	184,4	283,0	396,8
	Sound power level	Pressure	Heating/Max.		bar	10	10
Min.				dBa	35	36	36
Max.		dBa	53	54	55		
Sound pressure level	Min.		dBa	25	25	26	
	Max.		dBa	40	42	43	
Operation range	Heating	Water side	Min.	°C	30		
			Max.	°C.	85		
	Cooling	Water side	Min.	°C.	5		
			Max.	°C	18		
	Indoor installation	Ambient	Min.	°CDB	0		
			Max.	°CDB	45		
Electrical specifications				FWXT10ATV3(C)	FWXT15ATV3(C)	FWXT20ATV3(C)	
Power supply	Phase			1			
	Frequency		Hz	50			
	Voltage		V	230			
Electrical power consumption	Max.		W	17,6	19,8	26,5	
	Standby		W	5	5	5,8	
Current	Maximum running current		A	0,16			

		DC Inverter fan coil unit with sheet metal cabinet (white colour)					
		Built in DC Inverter fancoil for horizontal and vertical					
		High Wall fancoil					
Material name	Description	Picture					
EKRTCTRL1	On board electronic control SMART TOUCH with PID full modulating fan and thermostat		Opt				
EKRTCTRL2	On board electronic control SMART TOUCH 4 speeds with thermostat		Opt				
EKPCBO	On board 4 speeds control switch to be combine with Daikin combinable thermostats		Opt				
EKWHCTRL0	On board controller for EKWHCTRL1		Opt	Opt	Opt	Opt	
EKWHCTRL1	SMART LCD wall controller with temperature probe, white casing		Opt	Opt	Opt	Opt	Opt
EKFA	Aestetical feet		Opt				
EK2VK0	Motorized 2-way valve (FWXV/M)		Opt	Opt	Opt	Opt	
EKT2VK0	Motorized 2-way valve (FWXT)						Opt
EK3VK1	Motorized 3-way valve (FWXV/M)		Opt	Opt	Opt	Opt	
EKT3VK1	Motorized 3-way valve (FWXT)						Opt
EKEUR90	L-bow 90 °C		Opt	Opt	Opt	Opt	
EKDIST	Extension piece		Opt	Opt	Opt	Opt	
EKM10COH	Condensate collector tray for horizontal installation		FWXV10ATV3(R)				
EKM15COH			FWXV15ATV3(R)				
EKM20COH			FWXV20ATV3(R)				
EKM10CS	Metal casing			Opt			
EKM15CS				Opt			
EKM20CS					Opt		
EKM10CH	Front cover for ceiling installation			Opt			
EKM15CH				Opt			
EKM20CH					Opt		
EKM10CV	Front cover for wall installation			Opt			
EKM15CV				Opt			
EKM20CV					Opt		
EKM10DH	Air intake fitting			Opt			
EKM15DH				Opt			
EKM20DH						Opt	
EKM10D90	90 °C exhaust bend (Horizontal)			Opt			
EKM15D90				Opt			
EKM20D90					Opt		
EKM10DT	Telescopic air flow duct			Opt			
EKM15DT					Opt		
EKM20DT					Opt		
EKM10IS	Aluminum air intake grill with straight airflow			Opt			
EKM15IS				Opt			
EKM20IS						Opt	
EKM10SV	Straight airflow vent			Opt			
EKM15SV				Opt			
EKM20SV						Opt	
EKM10IC	Aluminum air intake grill with curved airflow			Opt			
EKM15IC				Opt			
EKM20IC						Opt	
EKM10CA	Aluminum air outlet grill with curved airflow			Opt			
EKM15CA				Opt			
EKM20CA						Opt	



Daikin Europe N.V. Naamloze Venootschap Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu ·





Heat pump convectors

Цени към Клиент, с вкл.ДДС.	
Concealed /flexi type model	
FWXM10ATV3	792 лв.
FWXM15ATV3	933 лв.
FWXM20ATV3	1 075 лв.
Wall mounted model	
FWXT10ATV3	1 287 лв.
FWXT15ATV3	1 468 лв.
FWXT20ATV3	1 651 лв.
Floor standing model	
FWXV10ATV3	1 096 лв.
FWXV10ATV3R	985 лв.
FWXV15A	1 472 лв.
FWXV15ATV3	1 299 лв.
FWXV15ATV3R	1 166 лв.
FWXV20A	1 592 лв.
FWXV20ATV3	1 501 лв.
FWXV20ATV3R	1 331 лв.

Accessories

Цени към Клиент, с вкл.ДДС.	
EKRTCTRL1	260 лв.
EKRTCTRL2	204 лв.
EKPCBO	121 лв.
EKWHCTRL0	197 лв.
EKWHCTRL1	197 лв.
EKFA	121 лв.
EK2VK0	197 лв.
EKT2VK0	206 лв.
EK3VK1	243 лв.
EKT3VK1	260 лв.
EKEUR90	31 лв.
EKDIST	31 лв.
EKM10CS	175 лв.
EKM15CS	193 лв.
EKM20CS	206 лв.
EKM10CH	364 лв.
EKM15CH	418 лв.
EKM20CH	453 лв.
EKM10CV	364 лв.
EKM15CV	418 лв.
EKM20CV	453 лв.
EKM10DH	77 лв.
EKM15DH	85 лв.
EKM20DH	100 лв.
EKM10D90	77 лв.
EKM15D90	89 лв.
EKM20D90	100 лв.
EKM10COH	85 лв.
EKM15COH	89 лв.
EKM20COH	116 лв.
EKM10DT	166 лв.
EKM15DT	193 лв.
EKM20DT	225 лв.
EKM10IS	193 лв.
EKM15IS	225 лв.
EKM20IS	260 лв.
EKM10SV	225 лв.
EKM15SV	279 лв.
EKM20SV	328 лв.
EKM10IC	158 лв.
EKM15IC	175 лв.
EKM20IC	193 лв.
EKM10CA	139 лв.
EKM15CA	158 лв.
EKM20CA	175 лв.