

HITACHI

Термопомпи

# airH<sub>2</sub>O 400

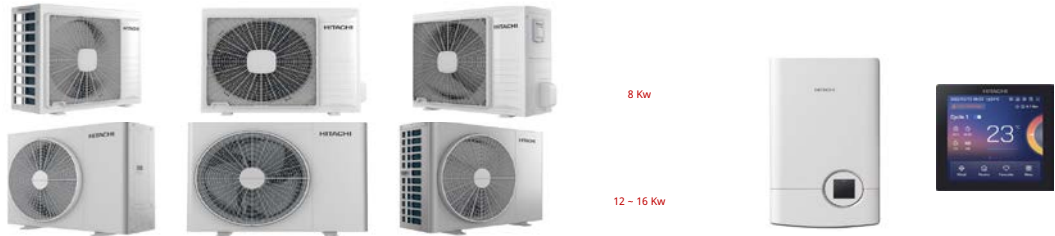


Cooling & Heating



## ТЕХНИЧЕСКИ ПАРАМЕТРИ

airH2O 400 Split (8/12/16kW)



8 Kw

12 - 16 Kw

Предварителни данни

Series		Split					
Outdoor Unit	Power Supply	AC 1 , 220-240V/50Hz	-	HZKF08KSE-Q	HZKF12KSE-Q	HZKF16KSE-Q	
		AC 3 , 380-415V/50Hz	-	HZKF12KSO-Q	HZKF16KSO-Q		
Heating Operation*1	OAT (DB/WB)	IWT/OWT	-	Heating Operation			
		30 / 35°C	Capacity (Nom./Max.)	kW	2.10/ 8.00 / 11.0	12.00/14.50	16.00/18.00
	7/6°C	47 / 55°C	COP (Nom.)	-	4.9	4.95	4.60
			Capacity (Nom./Max.)	kW	8.00/9.00	12.00/13.00	15.50/17.00
	-7/-8°C	30 / 35°C	COP (Nom.)	-	2.8	3.05	2.95
			Capacity (Max.)	kW	5.80/7.30	10.80	14.00
		47 / 55°C	COP (Max.)	-	3.14	3.00	2.80
			Capacity (Max.)	kW	5.00/6.40	8.50	11.00
Cooling Operation*1	35/-°C	12 / 7°C	COP (Max.)	-	1.94	2.10	2.00
			Nominal Capacity	kW	6	10.00	13.00
	23 / 18°C	23 / 18°C	EER	-	3.6	2.85	2.70
			Nominal Capacity	kW	7	11.00	15.50
	Seasonal Performance*2	Water Outlet 35°C	SCOP	-	4.92	4.70	4.50
				Seasonal Heating Efficiency (ηs)	%	194	185.00
			Energy Rating	-	A+++	A+++	A+++
				SCOP	-	3.42	3.35
Water Outlet 55°C		Seasonal Heating Efficiency (ηs)	%	134	130	127	
			Energy Rating	-	A++	A++	A++
Water Outlet 18°C		SEER	-	8.54			
			Seasonal Cooling Efficiency (ηs)	%	339		
Water Outlet 7°C		SEER	-	5.73			
			Seasonal Cooling Efficiency (ηs)	%	226		
Sound Pressure*3		Normal Mode	dB(A)	50/47	51	54	
			Low Noise Mode	dB(A)	43/43	45	47
	Night Shift Mode		dB(A)	39/39	41	43	
Sound Power	Normal Mode	dB(A)	64/61	64	67		
		Fan	Condenser Fan Quantity	--	1	1	
Fan	Air Flow Rate	m3/h	2700	5200	4700		
		Recommended Fuse	A	20			
Outer Dimensions	Height×Width×Depth	mm	750×900×340	840×1100×390	840×1100×390		
		Compressor	Type	-	Rotary	Rotary	
Refrigerant System	Refrigerant	Type	-	R32	R32	R32	
		Charge Before Shipment	kg	1.05	1.80	2.60	
	Piping	Gas Pipe	mm(in.)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	
		Liquid Pipe	mm	Φ6.35(1/4)	9.53 (3/8)	9.53 (3/8)	
	Min. Piping Length	m	4	5	5		
		Max. Chargeless Piping Length	m	8	15	15	
	Max. Piping Length	m	45 (50*)	50	50		
		Height Difference between ODU and IDU	ODU is Higher	m	30	30	30
IDU is Higher	m		20	20	20		
Operation Range	Heating	Outdoor Ambient Temperature	°C (DB)	-25-35	-25-35	-25-35	
		Outlet Water Temperature	°C	15-60	20-65	20-65	
	DHW	Outdoor Ambient Temperature	°C (DB)	-25-40	-25-43	-25-43	
		Tank Water Temperature	°C	15-55(75*)	15-60(75*)	15-60(75*)	
	Cooling	Outdoor Ambient Temperature	°C (DB)	5-46	5-46	5-46	
		Outlet Water Temperature	°C	5-22	5-22	5-22	
Indoor Unit	Power Supply	AC 1Φ, 220-240V/50Hz,	-	HZKF08KIE-Q	HZKF12KIE-Q	HZKF16KIE-Q	
		AC 3Φ, 380-415V/50Hz	-	HZKF12KIO-Q	HZKF16KIO-Q		
Water Flow Rate	IWT: 30°C / OWT: 35°C ΔT: 5°C	m3/h	1.38	2.06	2.76		
		Min. Water Flow Rate	m3/h	0.6	0.90	1.20	
DC Water Pump	Net Lift Pressure	m	3.2				
		Max. Lift Pressure	m	7.6	12.00	12.00	
	Max. Water Flow Rate	m3/h	3.5	5.60	5.60		
		Speed	-	Inverter	Inverter	Inverter	
	Max. Power Input	W	50	180	180		
Water Electric Heater (3 Steps)	Material	Kw	1/2/3	2/4/6	2/4/6		
		Diameter	in.	1"	1"	1"	
		Mesh Filter	-	50	50	50	
		Type Filter	-	Self-cleaning (with back flush)			
Safety Valve	bar	3	3	3			
Shut-off Valve	-	2 pcs Supplied	2 pcs Supplied	2 pcs Supplied			
Sound Pressure	dB(A)	28	36	36			
	Sound Power	dB(A)	42	42	42		
Outer Dimensions(with connections)	Height×Width×Depth	mm	890×520×320	890×520×320	890×520×320		
		Refrigerating Installation	Connection Type	-	Flare Nut Connection	Flare Nut	Flare Nut
Water Installation	Gas Pipe	mm(in.)	Φ15.88 (5/8)	15.88 (5/8)	15.88 (5/8)		
		Liquid Pipe	mm(in.)	Φ6.35(1/4)	9.53 (3/8)	9.53 (3/8)	
	Connection type	-	Screwed Connection	Screwed Connection	Screwed Connection		
		Shutdown valves	in.	G1" - G1"(male)	G1" - G1"(male)	G1" - G1"(male)	
Inlet pipe diameter	in.	G1"(female)	G1"(female)	G1"(female)			
	Outlet pipe diameter	in.	G1"(female)	G1"(female)	G1"(female)		
AC 1 , 220-240V/50Hz		Цена без ДДС	6 849.00 лв.	10 312.00 лв.	10 954.00 лв.		
AC 3 380-415V/50Hz		Цена без ДДС	8 800.00 лв.	10 009.00 лв.	10 488.00 лв.		

NOTES:

\*1: Heating/Cooling nominal performances at full load conditions according to EN 14511. Pipe length 7.5 m; height difference ODU/IDU 0 m; heating performance are integrated (included defrost

\*2: According to EN14825. Climate Zone AVERAGE. Energy efficiency scale from A+++ to D.

\*3: The data is TBC.

OAT: Outdoor ambient temperature; IWT: Inlet water temperature; OWT: Outlet water temperature