

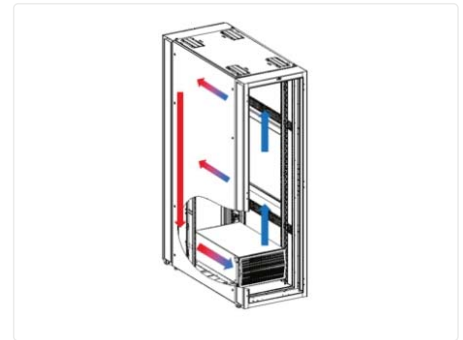


BKT inRACK Cooling System

Rack Mount

Air cooled, rack mount, split type, suitable for micro data center, mini modular data center solutions.

3.9kW –12.0kW



- 1-** Inverter compressor and EC fan works at high efficiency, maintains temperature within envelop and prevent compressor from cycling during low heat load period.
- 2-** Standard rack mount structure fully compatible with server rack is flexible for future expansion.
- 3-** Precision cooling controller monitors and protects unit constantly. Easy to be integrated into BMS to display, control and manage the system.
- 4-** Slide drawer style electric box makes service easier.
- 5-** Copper piping adopts quick connection and supports bottom and top connections.
- 6-** Compressor locating in outdoor unit lowers the noise level then better suits customer expectation of mini data center application.
- 7-** R410A green refrigerant is highly efficient and no ODP.
- 8-** Front air outlet suitable for installation on flexible height in a rack.

Technical Data				
Indoor Unit	110KS-003KAH	110KS-005KAH	110KS-008KAH	110KS-0012KAH
Total Cooling-kW	3.9	5.0	7.2	12.0
SHR-%	95	96	96	96
Air Volume-m3/h	700	1800	2000	2400
Mount Type	Rack	Rack	Rack	Rack
Height-mm	266(6U)	355(8U)	445(10U)	533(12U)
Depth-mm	828	828	828	828
Width-mm	483	483	483	483
Weight-kg	31	43	52	70
Reheat(optional) -kW	1.2	1.2	2.4	2.4
Hum.(optional) -kg/h	-	-	-	-
Power Input ¹⁾	230V/ 50-60Hz/1Ph	230V /50-60Hz/1Ph	230V /50-60Hz/1Ph	400V /50-60Hz/3Ph
FLA-A ¹⁾	13.9	15.2	21.6	18
Outdoor Unit	110KSF12AC000.1	110KSF08AC000.1	110KSF12AC000.1	110KSF18AC000.1
Height-mm	632	790	790	1240
Depth-mm	395	420	420	420
Width-mm	800	820	820	820
Leg Height-mm	-	-	-	-
Weight-kg	35	38	50	77
Power Input ¹⁾	230V/ 50Hz-60Hz/1Ph	230V/ 50Hz-60Hz/1Ph	230V 50Hz-60Hz/1Ph	400V/ 50Hz-60Hz/3Ph
FLA-A ¹⁾	12.6	13.2	19.6	16

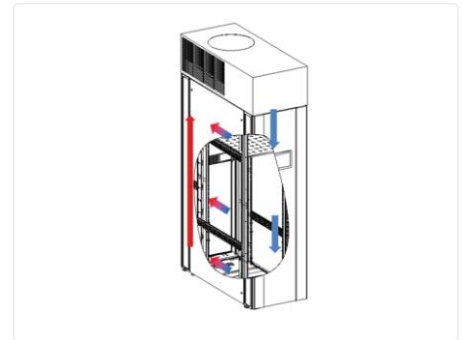
Notes:

1. Air flow is based upon maximum setting. Fan modulates per real loads.
2. Cooling Capacity based on 37°C/24%RH return air and 35°C outdoor temperature with the suggested condenser.
3. FLA of indoor unit includes FLA of outdoor unit. . No including optional humidifier and heater.
4. Options including monitoring card, low temperature kit, pipe extension kit, dual power input, leaking detection.
5. Standard unit works -15°C and above outdoor temperature. Select low temperature kit to work -35°C and above outdoor temperature.

Top Mount

Air cooled, top mount, indoor and outdoor packaged, suitable for micro data center, mini modular data center solutions.

2.5kW –5.5kW



- 1-** Industry top brand compressor. Highly reliable and efficient.
- 2-** Precision cooling controller monitors and protects unit constantly. Easy to be integrated into BMS to display, control and manage the system.
- 3-** Compatible with standard rack size forms unified and integrated mdc solution.
- 4-** Packaged design easy for installation, service and shipping.
- 5-** Top mount means good air management of hot/cold stream and no occupying of IT space.
- 6-** Green refrigerant is highly efficient and no ODP.

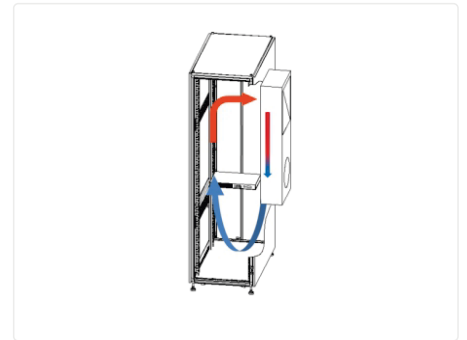
Technical Data			
Unit	110KS-002TAN	110KS-003TAN	110KS-005TAN
Total Cooling-kW	2.5	3.5	5.5
SHR-%	100	100	100
Air Volume-m3/h	500	600	900
Mount Type	Top	Top	Top
Cooling Type	DX	DX	DX
Height-mm	390	390	390
Depth-mm	1100	1100	1100
Width-mm	600	600	600
Weight-kg	50	55	65
Power Input ¹⁾	220V/ 50Hz/60Hz/1Ph	220V/ 50Hz/60Hz/1Ph	220V/ 50Hz/60Hz/1Ph
FLA-A ¹⁾	5.5	6.5	7.8

Notes:

1. Cooling Capacity based on 37°C/24%RH return air and 35°C outdoor air.
2. Options including monitoring card, condensate evaporation kit.
3. The frequency 50Hz or 60Hz is choiceable upon order.

Side Mount

Air cooled, side mount, indoor and outdoor packaged, suitable for micro data center, mini modular data center and industrial solutions.



1- Evaporator/condenser fan AC.

2- Standard rack mount structure fully compatible with server rack is flexible for future expansion.

3- Ingress Protection IP56. +20°C to +50°C

4- Inside electric box with autotransformer.

5- Display controller – function setting.

6- Inside condenser and compressor.

7- R134a green refrigerant is highly efficient.

8- Condensate tank and drain.

Technical Data Side Mount Cooling

BKT AC unit series EGO	110A9000	110A9001	110A9003	110A9005	110A9007	110A9009	110A9011
Description	EGO04	EGO06	EGO08	EGO10	EGO12	EGO16	EGO20
Total Cooling-W	380	640	820	1000	1250	1600	2000
SHR-%							
Air Volume-m3/h	280	570	570	570	860	1050	1050
Mount Type	Wall	Wall	Wall	Wall	Wall	Wall	Wall
Cooling Type	DX	DX	DX	DX	DX	DX	DX
Height-mm	285	316	348	348	999	999	999
Depth-mm	180	212	215	216	237	237	237
Width-mm	460	606	783	783	405	405	405
Weight-kg	17	21	27	28	38	42	54
Power Input	230V	230V	230V	230V	230V	230V	230V
	50Hz 60Hz	50Hz 60Hz	50Hz 60Hz	50Hz 60Hz	50Hz 60Hz	50Hz 60Hz	50Hz 60Hz
	1Ph	1Ph	1Ph	1Ph	1Ph	1Ph	1Ph
FLA [A]	1,6	2,1	2,6	3	3,8	5,3	6,5
Startup/inrush Current[A]	6	8,1	10,8	10,5	11	18	24
Power Consumption W	280	400	440	570	1080	1600	1710
Noise-dB(A) 1m distance	60	65	65	65	65	65	70
BKT AC unit series EGO	110A9013	110A9015	110A9017	110A9019	110A9021	110A9023	110A9024
Description	EGO30	EGO40	EGO60	EGO80	EGO A0	EGO A5	EGOS3
Total Cooling-W	2900	3850	5800	7600	9400	14800	300
SHR-%							
Air Volume-m3/h	1450	1450	2900	2900	2900	5800	280
Mount Type	Wall	Wall	Wall	Wall	Wall	Wall	Wall
Cooling Type	DX	DX	DX	DX	DX	DX	DX
Height-mm	1270	1270	2000	2000	2000	2067	340
Depth-mm	336	336	380	380	380	550	135
Width-mm	500	500	600	800	800	800	525
Weight-kg	80	85	150	160	180	240	14
Power Input	230V	230V	400V	400V	400V	400V	230V
	50Hz 60Hz	50Hz 60Hz	350Hz	350Hz	350Hz	350Hz	50Hz 60Hz
	1Ph	1Ph	3Ph	3Ph	3Ph	3Ph	1Ph
FLA [A]	8,2	9,5	5,9	8,1	9,1	13,9	1,5
Startup/inrush Current[A]	37,4	35,2	21,7	30,7	30,7	63	4,2
Power Consumption W	1340	1710	4350	3300	3650	6300	150
Noise-dB(A) 1m distance	70	70	72	75	77	67	61

www.bkte.pl

BKT Elektronik
ul. Łochowska 69
86-005 Białe Błota
Tel. +48 52 36 36 371
Fax. +48 52 36 36 370