

Concealed ceiling unit

Ideal for medium sized shops with false ceilings

- › Ideal solution for busy retail and business environments and small shops
- › Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- › Exclusively offered for pair applications
- › Air filter removes airborne dust particles to ensure a steady supply of clean air
- › Easy installation and maintenance
- › Double protection drainage system ensures quality



Efficiency data			ABQ + AZQS	71C + 71B V1	100C + 100B8V1	125C + 125B8V1	140C + 140B8V1	100C + 100BY1	125C + 125BY1	140C + 140BY1
Cooling capacity	Nom.		kW	6.8	9.5	12.1	13.0	9.5	12.1	13.0
Heating capacity	Nom.		kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5
Power input	Cooling	Nom.	kW	2.33	3.63	4.31	4.32	3.63	4.31	4.32
	Heating	Nom.	kW	2.13	3.16	3.96	4.55	3.16	3.96	4.55
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B		-		B	-	
		Pdesign	kW	6.80	9.50	-		9.50	-	
		SEER		4.65		-		4.65	-	
		Annual energy consumption	kWh	512	716	-		716	-	
	Heating (Average climate)	Energy label		A		-		A	-	
		Pdesign	kW	5.65	6.78	-		6.78	-	
		SCOP		3.80		-		3.80	-	
		Annual energy consumption	kWh	2,082	2,498	-		2,498	-	
Nominal efficiency	EER			2.91	2.62	2.81	3.01	2.62	2.81	3.01
	COP			3.51	3.42	3.41		3.42	3.41	
	Annual energy consumption		kWh	1,165	1,813	2,153	-	1,813	2,153	-
	Energy label	Cooling/Heating		C/B	D/B	C/B	-	D/B	C/B	-

Indoor unit			ABQ	71C	100C	125C	140C	100C	125C	140C
Dimensions	Unit	HeightxWidthxDepth	mm	285x600x1,007	378x541x1,045	378x541x1,299	378x541x1,499	378x541x1,045	378x541x1,299	378x541x1,499
Weight	Unit		kg	35	44	50	56	44	50	56
Air filter	Type			Saranet						
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	18.3/16.8/15.4	22.7/20.5/18.3	40.5/37.4/34.8	48.7/43.9/37.9	22.7/20.5/18.3	40.5/37.4/34.8	48.7/43.9/37.9
	Heating	High/Nom./Low	m³/min	18.3/16.8/15.4	22.7/20.5/18.3	40.5/37.4/34.8	48.7/43.9/37.9	22.7/20.5/18.3	40.5/37.4/34.8	48.7/43.9/37.9
Fan - External static pressure	High/Nom./Low		Pa	90/77/64	70/57/45	150/128/111	150/122/92	70/57/45	150/128/111	150/122/92
Sound power level	Cooling		dBA	64	60	-		60	-	
	Heating		dBA	64	60	-		60	-	
Sound pressure level	Cooling	High/Nom./Low	dBA	-	41/38/36	53/52/50	55/53/50	41/38/36	53/52/50	55/53/50
	Heating	High/Nom./Low	dBA	-	41/38/36	53/52/50	55/53/50	41/38/36	53/52/50	55/53/50
Control systems	Wired remote control			ARCWB						
Power supply	Phase / Frequency / Voltage			Hz / V 1~ / 50 / 220-240						

Outdoor unit				AZQS	71BV1	100B8V1	125B8V1	140B8V1	100BY1	125BY1	140BY1	
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320		1,430x940x320		990x940x320		1,430x940x320	
Weight	Unit		kg	67	72.8	74.3	94.9		82		101	
Sound power level	Cooling		dBA	64	70	71	70		71		70	
Sound pressure level	Cooling	Nom.	dBA	48	53	54	53		54		53	
	Heating	Nom.	dBA	50	57	58	54	57	58	54		
	Night quiet mode	Level 1	dBA	43	49							
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~46							
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5							
Refrigerant	Type/Charge/GWP		kg/TCO ₂ eq	R-410A/2.75/5.7/2,087.5	R-410A/2.9/6.1/2,087.5		R-410A/4.0/8.4/2,087.5	R-410A/2.9/6.1/2,087.5		R-410A/4.0/8.4/2,087.5		
Piping connections	Liquid	OD	mm	9.52								
	Gas	OD	mm	15.9								
	Piping length	OU - IU	Max.	m	50							
		System	Equivalent	m	70							
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30.0							
IU - IU		Max.	m	-	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			3N~ / 50 / 380-415				
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32		40	16	20	25	

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.