2 Specifications

2 - 1 Specifications

Technical specifications					EPVX10S18A9W + EPSK06AV3	EPVX10S23A9W + EPSK06AV3	EPVX10S18A9W + EPSK08AV3	EPVX10S23A9W + EPSK08AV3	EPVX10S18A9W + EPSK10AV3	EPVX10S23A9W + EPSK10AV3
Space heating	Cold climate water outlet 35°C	D Condition (12°CD-B/11°CWB)	PERd	%	308.4		314.2		319.3	
		Tol (temperature operating limit)	COPd		2.18					
			Pdh	kW	4.2		5.1			
			PERd	%	87.1		87			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.87		2.75		2.65	
			Pdh	kW	5.1		6		6.9	
			PERd	%	114.8		110.1		105.8	
		Tbiv (bivalent temperature)	COPd		2.87		2.75		2.65	
			Pdh	kW	5.1		6		6.9	
			PERd	%	114.8		110.1		105.8	
			Tbiv	°C	-15					
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.2		2.4		3.4	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,364		1,561		1,755	
			ηs (Seasonal space heating efficiency)	%	252		254		256	
			Prated at 2°C	kW	6.5		7.5		8.5	
		B Condition (2°CD-B/1°CWB)	Cdh (Degradation heating)		1					
			COPd		4.39					
			Pdh	kW	5.2					
			PERd	%	175.4					
		C Condition (7°CD-B/6°CWB)	Cdh (Degradation heating)		1					
			COPd		5.88		5.86		5.84	
			Pdh	kW	4.1		5		5.9	
			PERd	%	235.4		234.6		233.7	
		Tbiv (bivalent temperature)	COPd		4.85		4.79		4.72	
			Pdh	kW	5.5		6.3		7.1	
			PERd	%	194.2		191.4		188.7	
			Tbiv	°C	4					
		D Condition (12°CD-B/11°CWB)	Cdh (Degradation heating)		0.9					
			COPd		7.81		8		8.18	
			Pdh	kW	2.9					
			PERd	%	312.4		319.8		327.2	

(1)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |
(2)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB |
(3)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Technical Specifications					EPSK06AV3	EPSK08AV3	EPSK10AV3
Casing	Colour				Silver / Black		
	Material				Polyester painted galvanised steel plate		
Dimensions	Unit	Height		mm	1,123		
		Width		mm	1,330		
		Depth		mm	604		
	Packed unit	Height		mm	1,320		
		Width		mm	1,445		
		Depth		mm	775		
Weight	Unit			kg	174		
	Packed unit			kg	205		
Packing	Material				Carton / Wood (pallet) / PE (Straps)		
	Weight			kg	31.5		
Heat exchanger	Length			mm	1,210		
	Rows	Quantity			1		
	Fin pitch			mm	2.6		
	Passes	Quantity			6		
	Face area			m^2	1.29		
	Stages	Quantity			88		
	Tube type				Microchannel ..		
	Fin	Type			WF & Slit fin ..		
		Treatment			High Corrosion Resistant		
Fan	Type				Propeller fan		
	Quantity				1		
	Air flow rate	Heating	High	m^3/min	75.7		
		Cooling	High	m^3/min	75.7		
	Discharge direction				Horizontal		

2 Specifications

2 - 1 Specifications

Technical Specifications					EPSK06AV3	EPSK08AV3	EPSK10AV3
Fan motor	Quantity				1		
	Model				Brushless DC motor		
	Output			W	68		
	Drive				Direct drive		
	Speed	Steps			12		
		Heating	Nom.	rpm	415		
		Cooling	Nom.	rpm	415		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
	Starting method				Inverter driven		
PED	Category				Category II		
Operation range	Heating	Min.		°CDB	-28		
		Max.		°CDB	25		
	Cooling	Min.		°CDB	10		
		Max.		°CDB	43		
	Domestic hot water	Max.		°CDB	40		
		Min.		°CDB	-28		
PED	Most critical part	Name			Compressor		
		Ps*V		Bar*l	133		
Piping connections	inch			in	G 1 1/4" (male) ..		
	inch			in	G 1 1/4" (male) ..		
Sound power level	Heating	Nom.		dBA	45 (1)		47 (1)
	Cooling	Nom.		dBA	52.2 (2)	53 (2)	53.2 (2)
Sound pressure level	Heating	Nom.		dBA	32.6 (1)	32.4 (1)	32.8 (1)
	Cooling	Nom.		dBA	36.9 (2)	37.2 (2)	37.3 (2)
	Night quiet mode	Heating		dBA	29.5 (1)	30 (1)	33 (1)
		Cooling		dBA	30.8 (2)		
Refrigerant	Type				R-290		
	GWP				3		
	Charge			kg	1		
	Control				Expansion valve		
	Circuits	Quantity			1		
Refrigerant oil	Type				Refer to the name plate of the compressor		
	Charged volume			l	1.1		
Piping connections	Piping length	OU - IU	Max.	m	20 (3) / 30 (4)		
	High pressure side	Design pressure		bar	32		
	Level difference	IU - OU	Max.	m	10		
	Water circuit	Filter ball valve			Yes		
Defrost method					Reversed cycle		
Defrost control					Sensor for outdoor heat exchanger temperature		
Capacity control	Method				Inverter controlled		
Safety devices	Item	01			High pressure switch		
		02			Fuse		

Electrical Specifications					EPSK06AV3	EPSK08AV3	EPSK10AV3
Power supply	Name				V3		
	Phase				1~		
	Frequency			Hz	50		
	Voltage			V	230		
	Voltage range	Min.		%	-10	-	
		cos phi	Nom.		0.9		
			Max.		0.99		
		Max.		%	10	-	
Current	kVa			kVA	Equipment complying with EN / IEC 61000-3-12		
	Recommended fuses			A	25		
	Inverter modulation	Min.		%	40	35	30
Wiring connections	For power supply	Remark			See installation manual outdoor unit		
	For connection with indoor	Remark			See installation manual indoor unit		

(1)Measured at LWC 47-55°C ; Ta DB/WB 7°C/6°C. |
(2)Measured at LWC 12-7°C ; Ta 35°C. |
(3)1 1/4" field piping |
(4)1 1/2" field piping