POLARIS Technologies
Air-conditioning reinvented

HideAway

Parameter		Unit	
Model		--	EPC-12A1
Product Code		--	/
Power Supply	Rated Voltage	V~	220~240
	Rated Frequency	Hz	50
	Phases	--	1
Recommended Power Cable(Core)		--	3G1.5
Min/Max. Voltage		V	185/265
Cooling Capacity		W	3420
Heating Capacity		W	3500
Cooling Power Input		W	1000
Heating Power Input		W	1030
Cooling Current		A	4.40
Heating Current		A	4.70
Rated Input		W	1900
Rated Current		A	9.50
Starting Current		A	/
AEER		W/W	3.28
ACOP		W/W	3.31
Air Flow Volume		m^3/h	700
ESP Standard		Pa	60
ESP Range		Pa	0-100
Dehumidifying Volume		L/h	0.95
Dehumidifying Volume		PINT/D	2.01
Application Area		m^2	15-22
Evaporator	Fan Type	--	Centrifugal
	Fan Diameter Length(D×L)	mm	φ180×185
	Cooling Speed	r/min	1050/850/550
	Heating Speed	r/min	1050/850/550
	Fan Motor Power Output	W	90
	Fan Motor RLA	A	0.4
	Fan Motor Capacitor	μF	2.5
	Evaporator Form	--	Aluminum Fin-copper
	Evaporator Pipe Diameter	mm	φ7
	Evaporator Row-fin Gap	mm	1.4
	Evaporator Coil Length (L×D×W)	mm	680×285×38.1
	Set Temperature Range	℃	16~31
	Sound Pressure Level	dB (A)	45-58
	Sound Power Level	dB (A)	55-68
Condenser	Compressor Model	--	41T100-A8-BMDE(A)
	Compressor Type	--	Rotary
	Compressor LRA.	A	4.64
	Compressor RLA	A	25
	Compressor Power Input	W	1020
	Compressor Overload Protector	--	/
	Fan Type	--	Centrifugal
	Fan Diameter	mm	φ180×185
	Fan Motor Speed	rpm	1150
	Fan Motor Power Output	W	90
	Fan Motor RLA	A	0.4
	Fan Motor Capacitor	μF	3
	Air Flow Volume	m^3/h	1400
	Evaporator Form	--	Aluminum Fin-copper
	Condenser Pipe Diameter	mm	φ7
	Condenser Rows-fin Gap	mm	1.6
	Condenser Rows-fin Gap	inch	0.06
	Condenser Coil Length (L×D×W)	mm	716×275×76.2
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5
	Cooling Operation Ambient Temperature Range	℃	-15~48
	Throttling Method	--	EEV
	Defrosting Method	--	Automatic
	Climate Type	--	T1
	Climate Zone	--	T1
	Isolation	--	I
	Moisture Protection	--	IP24
	Sound Pressure Level	dB (A)	60
	Sound Power Level	dB (A)	70
Dimension (W×H×D)		mm	1100*300*910
Dimension of Carton Box (W×H×D)		mm	1276x350x1035
Net Weight		kg	82.00
Gross Weight		kg	86.00
Refrigerant		--	M60
Refrigerant Charge		kg	0.54
Loading Quantity	Loading Quantity (20' Container)	unit	48
	Loading Quantity (40' Container)	unit	116
	Loading Quantity (40' High Cube Container)	unit	134

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Parameter		Unit	
Model		--	EPC-30A1
Product Code		--	/
Power Supply	Rated Voltage	V~	220~240
	Rated Frequency	Hz	50
	Phases	--	1
Cross-sectional Area of Power Cable Conductor		mm^2	4G0.75
Recommended Power Cable(Core)		--	3G2.5
ESP Standard		Pa	60
ESP Range		Pa	0~100
Min/Max. Voltage		V	185/265
Cooling Capacity		W	8680
Heating Capacity		W	8820
Cooling Power Input		W	2480
Heating Power Input		W	2420
Cooling Current		A	12.00
Heating Current		A	11.80
Rated Input		W	4500
Rated Current		A	23.5
Starting Current		A	/
AEER		W/W	3.34
ACOP		W/W	3.47
Air Flow Volume		m^3/h	1300
Dehumidifying Volume		L/h	2.1
Application Area		m^2	32-50
Indoor Section	Indoor Unit Model	--	EPE30-A1
	Fan Type	--	Centrifugal
	Fan Diameter Length(D×L)	mm	φ180×185
	Cooling Speed	r/min	1050/850/550
	Heating Speed	r/min	1050/850/550
	Fan Motor Power Output	W	90*2
	Fan Motor RLA	A	0.4
	Fan Motor Capacitor	μF	2.5
	Evaporator Form	--	Aluminum Fin-copper
	Evaporator Pipe Diameter	mm	φ7
	Evaporator Pipe Diameter	inch	φ0.275
	Evaporator Row-fin Gap	mm	1.4
	Evaporator Row-fin Gap	inch	0.055
	Evaporator Coil Length (L×D×W)	mm	710×38.1×381
	Set Temperature Range	℃	16~31
	Sound Pressure Level	dB (A)	49/39/36
	Sound Power Level	dB (A)	59/49/46
	Dimension (W×H×D)	mm	1080×485×410
	Dimension of Carton Box (W×H×D)	mm	1280×620×455
	Stacked Layers	—	4
	Net Weight	kg	42
	Gross Weight	kg	46
Outdoor Section	Outdoor Unit Model	--	EPC30-A1
	Compressor Trademark		Mitsubishi
	Compressor Manufacturer	--	MITSUBISHI ELECTRIC(GUANGZHOU) COMPRESSOR
	Compressor Model	--	TNB220FFEMC
	Compressor Oil	--	FV50S or
	Compressor Type	--	Rotary
	Compressor LRA.	A	25
	Compressor RLA	A	8.7
	Compressor Power Input	W	2150
	Compressor Overload Protector	--	External thermal
	Fan Type	--	Axial-flow
	Fan Diameter	mm	φ230-240
	Fan Motor Speed	rpm	780
	Fan Motor Power Output	W	700
	Fan Motor RLA	A	3.2
	Fan Motor Capacitor	μF	15
	Outdoor Unit Air Flow Volume	m^3/h	2630
	Condenser Form	--	Aluminum Fin-copper
	Condenser Pipe Diameter	mm	φ7
	Condenser Pipe Diameter	inch	φ0.27
	Condenser Rows-fin Gap	mm	1.4
	Condenser Rows-fin Gap	inch	0.055
	Condenser Coil Length (L×D×W)	mm	660×76.2×390
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5
	Cooling Operation Ambient Temperature Range	℃	-15~48
	Throttling Method	--	EEV
	Defrosting Method	--	Automatic
	Climate Type	--	T1
	Climate Zone	--	T1
	Isolation	--	/
	Moisture Protection	--	IP24
	Sound Pressure Level	dB (A)	58
	Sound Power Level	dB (A)	68
	Dimension (W×H×D)	mm	1080x780x410
	Dimension of Carton Box (W×H×D)	mm	1280x920x455
	Stacked Layers	--	4
	Net Weight	kg	82
	Gross Weight	kg	86
	Refrigerant	--	M60
	Refrigerant Charge	kg	0.85
Loading Quantity	Loading Quantity (20' Container)	unit	30
	Loading Quantity (40' Container)	unit	63
	Loading Quantity (40' High Cube Container)	unit	75

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