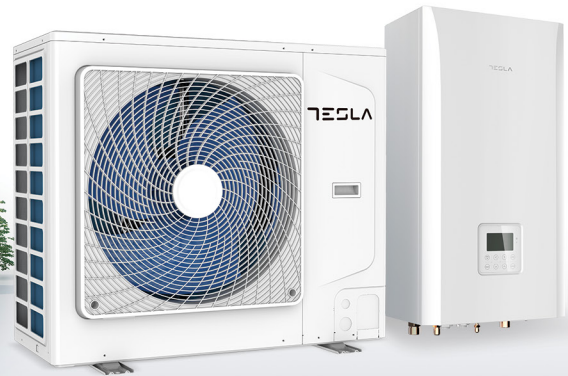




# R32 Heat Pump Air to Water TATP-H12/5R3HA



Factory Model		TATP-H12/5R3HA	
ODU Power Supply		V-, Hz, Ph	380-415/3/50
ODU Max. Input Consumption		kW	9,2
Heating 2	Capacity	kW	12,2
	Rated input	kW	2,44
	COP		5
Heating 3	Capacity	kW	12
	Rated input	kW	3,86
	COP		3,11
Cooling 4	Capacity	kW	12
	Rated input	kW	3
	EER		4
Cooling 5	Capacity	kW	11,7
	Rated input	kW	4,3
	EER		2,75
Seasonal space heating energy efficiency class <sup>7</sup>	LWT at 35°C		A+++
	LWT at 55°C		A++
SCOP <sub>6</sub>	LWT at 35°C		4,82
	LWT at 55°C		3,46
MOP (Maximum overcurrent protection)	A		14
DC Inv. Compressor	Model		Brushless DC motor
	Quantity		1
	Type		Twin rotary DC inverter
	RPM	rps	3450
	Capacity	W	12250
	Input	W	4495
	Power Supply	Ph-V-Hz	380-415/3/50
	Operating Frequency	Hz	15-120
	Crankcase	W	25
	Compressor refrigerant Oil	ml	1000
Outdoor Fan Motor	Model		CW170A-ZL
	Type		DC
	Insulation Class		E
	Safe Class		IP24
	Output Power x Fan quantity	W	170*1
Outdoor Fan	Speed	r/min	870
	Material		Plastic
Outdoor Fan	Type		DC
	Fan Quantity		1
Outdoor Coil	a. Number Of Row		3
	b. Tube Pitch (a)x Row Pitch (b)	mm	19.05*22
	c. Fin Pitch	mm	1,5
	d. Fin Material		Aluminum sheet
	e. Tube Outside Dia. and Material	mm	Ø7.94
	f. Coil Length x Height x Width	mm	803×358×836
	g. Heat Exchanging Area	m <sup>2</sup>	65
Air Flow Volume		m <sup>3</sup> /h	4650
Sound pressure level	H/M/L	dB(A)	49
Sound power level	H/M/L	dB(A)	64
Dimension (W×D×H)	Net	mm	480×870×1060
	Packing	mm	545×980×1100
Weight	Net	kg	100
	Gross	kg	105

Refrigerant type/Quantity	Type		R32
	Charged Volume	kg	1,84
Design Pressure		MPa	4,5
		mm	15,88
Refrigerant Piping	Liquid Side	mm	15,88
	Gas Side	mm	9,52
	MAX length	m	30
Installation height difference	MIN length	m	2
	ODU above	m	20
	ODU below	m	20
Wiring specification	Power wiring (ODU)	mm <sup>2</sup>	4
	A.B signal wiring (to IDU)	mm <sup>2</sup>	0,75
Operating temperature range	Cooling	°C	-5-52
	Heating	°C	-25-35
	DHW	°C	-25-43

Factory Model	Indoor	TATP-H12/5R3HA		
IDU Power Supply		V-, Hz, Ph	380-415/3/50	
IDU Max. Input Consumption		kW	9,09	
Plate heat exchanger	Dimension (W*H*D)	mm	331*117*87	
	Heat exchange area	m <sup>2</sup>	2,04	
	fluid temp		0-110 °C	
	Ambient temp		-25-53 °C	
	Max pressure		10 bar	
	Protection class		IP44	
	Rated power		230-50/60Hz	
	Type		canned pump	
	Power input		4-95W	
	Current		0.04-0.75A	
	Max Rotating speed		4500r/min	
	Insulation class		class F	
	Pump head		9m	
	Max Flow		4.5m <sup>3</sup> /h	
Indoor Unit	Adapter diameter		DN25	
	Sound Pressure Noise Level (Hi/Mi/Lo)	dB(A)	31	
	Sound Power Noise Level (Hi/Mi/Lo)	dB(A)	43	
	Net Dimension (W*H*D)	mm	420×790×270	
	Packing Dimension (W*H*D)	mm	500×1030×330	
	Net Weight	Kg	39	
	Gross Weight	Kg	45	
Setting water temperature range	Cooling	°C	5-25	
	Heating	°C	25-65	
	DHW(tank)	°C	25-60	
Water circuit	Piping connections	inch	R1"	
	Safety valve set pressure	MPa	0,3	
	Flow switch	m <sup>3</sup> /h	0,6	
	Drainage pipe connection	mm	Ø25	
	Expansion tank	L	8	
	Capacity of the back-up heater	kW	9	
	Water pump head	m	9	
	Refrigerant Pipe	Liquid Side	mm	15,88
		Gas Side	mm	9,52
Drainage		mm	DN25	