

SMART
DEFROST

COLD AIR
PREVENTION

Description	Unit	TAD-CONS-25IT		TAD-CONS-35IT		TAD-CONS-50IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50	
Nominal capacity (min.-max.) (EN14511)	kW	2,70 (0,50-3,40)	2,90 (0,60-3,65)	3,52 (0,80-4,40)	3,80 (1,50-4,40)	5,2 (1,20-6,20)	5,3 (1,10-6,20)
Nominal power input (min.-max.)	kW	0,70 (0,15-1,10)	0,73 (0,15-1,20)	0,926 (0,23-1,15)	0,96 (0,18-1,70)	1,576 (0,1-2,35)	1,436 (0,18-2,40)
Max current	A	3,5	3,5	4,6	4,6	6,6	7,1
Maximum power consumption	KW	1,20		1,70		2,40	
EER/COP (EN14511)		3,86	3,97	3,80	3,96	3,60	3,45
Pdesign	kW	2,7	2,6	3,5	3,2	5,2	4,8
SEER / SCOP average climate*		7,8	4,2	7,2	4,1	7,2	4
Energy class *		A++	A+	A++	A+	A++	A+
Seasonal energy consumption	kWh/annum	121	867	170	1093	253	1680
Air flow I.U. (sh.-h.-mh.-m.-ml.-l.-sl.)	m³/h	500-430-410-370-330-280-250		600-520-480-440-400-360-280		750-670-600-520-470-430-350	
Dehumidification	l/h	0,8		1,2		1,8	
Sound pressure I.U. [sh.-h.-mh.-m.-ml.-l.-sl.]	dB(A)	39-36-34-32-29-26-23	39-36-34-32-29-25-22	44-40-38-36-33-29-25	44-40-38-36-33-29-25	49-47-45-42-40-37-32	51-48-45-43-40-38-33
Sound power I.U. [sh.-h.-mh.-m.-ml.-l.-sl.]	dB(A)	52-48-46-44-41-38-35	52-48-46-44-41-37-34	55-51-49-47-44-40-36	55-51-49-47-44-40-36	60-58-56-53-51-48-43	60-57-54-52-49-47-42
Sound pressure O.U. (h.)	dB(A)	51		53		59	
Sound power O.U. (h.)	dB(A)	61		63		65	
Compressor type		Rotary DC Inverter		Rotary DC Inverter		Rotary DC Inverter	
Refrigerant type/GWP		R32/675		R32/675		R32/675	
Refrigerant charge	kg/T.CO ₂ eq.	0,51/0,340		0,75/0,510		1,00/0,680	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")	
Minimum/maximum pipe length with standard charge	m	3-5		3-5		3-5	
Maximum pipe length with additional charge	m	15		20		25	
Additional gas charge	g/m	16		16		16	
Max. height difference	m	10		10		10	
Net dimensions I.U. (H./W./D.)	mm	600/700/215		600/700/216		600/700/217	
Net dimensions O.U. (H./W./D.)	mm	555/732/330		555/802/330		660/958/402	
Net weight I.U. / O.U.	Kg	16/24		16/27,5		16/41	

OPERATING LIMITS (outdoor temperature) Cooling: from -15 °C to +50 °C Heating: from -15 °C to +30 °C

ROOM TEMPERATURE SETTING RANGE: from 16 to 30 °C

*Data declared in compliance with EU Regulation No. 206/2012 on ecodesign requirements for air conditioners and comfort fans, and Regulation No. 626/2011 on energy labelling of air conditioners; tested according to EN14825:2012.