

SMART
DEFROST

COLD AIR
PREVENTION

Description	Unit	TAD-POLA-25IT		TAD-POLA-35IT		TAD-POLA-50IT		TAD-POLA-70IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Nominal capacity (min.-max.) (EN14511)	kW	2,70 (0,40-3,70)	3,00 (0,70-4,00)	3,50 (0,90-4,30)	3,81 (0,90-4,70)	5,1 (1,00-6,50)	5,6 (1,10-6,80)	7,1 (1,00-8,80)	7,8 (1,50-9,50)
Nominal power input (min.-max.)	kW	0,670 (0,10-1,30)	0,674 (0,14-1,40)	0,910 (0,12-1,48)	0,950 (0,18-1,75)	1,417 (0,10-2,30)	1,417 (0,10-2,30)	1,868 (0,22-2,80)	1,902 (0,29-3,70)
Max current	A	3,5	3,5	4,3	4,6	6,4	6,2	8,7	9
Maximum power consumption	KW	1,40		1,75		2,30		???	
EER/COP (EN14511)		4,03	4,45	3,85	4,00	3,60	4,10	3,80	4,10
Pdesign	kW	2,7	2,7	3,5	3,0	5,1	4,1	7,1	5,6
SEER / SCOP average climate (warm-cold)*		8,5	4,6 (5,7-3,5)	8,5	4,8 (5,8-3,5)	8,5	4,6 (5,8-3,7)	8,5	4,6 (5,7-3,6)
Energy class *		A+++	A++	A+++	A++	A+++	A++	A+++	A++
Seasonal energy consumption	kWh/ annum	111	822	144	875	210	1248	292	1704
Air flow I.U. sh.-h.-mh.-m.-ml.-l.-sl.)	m³/h	610-530-500-450-350-290-230-180		650-540-505-405-380-330-310-260		1000-960-870-810-720-640-600-550		1250-1100-1000-950-900-850-800-600	
Dehumidification	l/h	0,8		1,4		1,9		2,4	
Sound pressure I.U. [sh.-h.-mh.-m.-ml.-l.-sl.]	dB(A)	39-36-33-30-25-23-21-18	39-36-34-31-30-29-27	43-39-37-34-32-30-24-18	44-39-37-35-33-32-31	47-45-43-41-35-33-30-26	47-45-42-40-38-36-33	48-44-41-40-38-37-35-27	50-47-43-41-40-38-36
Sound power I.U. [sh.-h.-mh.-m.-ml.-l.-sl.]	dB(A)	57-50-47-44-39-36-35-32	57-50-48-45-44-43-41	58-54-52-49-47-45-39-33	58-53-51-49-47-46-45	60-58-56-54-48-46-43-39	60-58-55-53-51-49-46	65-59-56-55-53-51-48-42	64-62-58-56-55-51-50
Sound pressure O.U. (h.)	dB(A)	51		53		59		60	
Sound power O.U. (h.)	dB(A)	61		63		65		70	
Compressor type		Rotary DC Inverter		Rotary DC Inverter		Rotary DC Inverter		Twin Rotary DC Inverter	
Refrigerant type/GWP		R32/675		R32/675		R32/675		R32/675	
Refrigerant charge	kg/T.CO ₂ eq.	0,50/0,340		0,60/0,410		0,95/0,640		1,40/0,945	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		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")		15,88 (5/8")	
Minimum/maximum pipe length with standard charge	m	3-5		3-5		3-5		3-5	
Maximum pipe length with additional charge	m	15		20		25		25	
Additional gas charge	g/m	16		16		16		40	
Max. height difference	m	10		10		10		10	
Net dimensions I.U. (H./W./D.)	mm	276/890/206		291/894/211		333/1000/249		333/1138/249	
Net dimensions O.U. (H./W./D.)	mm	555/732/330		555/802/350		555/873/376		660/958/402	
Net weight I.U. / O.U.	Kg	9,0/23,5		9,0/27,0		13,5/37,0		15,5/42,5	

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.