

TECHNICAL DATA SHEET



PDC-GTM-05M
PDC-GTM-07M
PDC-GTM-09M
PDC-GTM-12M
PDC-GTM-14M
PDC-GTM-16M



Directive 2002/95/CE



Wi-Fi Included



Refrigerant Gas



CE Marking



Inverter



Tax Deductions

TECHNICAL DATA PDC GREEN TECH - SINGLE PHASE		Cod.	71M05M00	71M07M00	71M09M00	71M12M00	71M14M00	71M16M00
		Mod.	PDC-GTM-05M	PDC-GTM-07M	PDC-GTM-09M	PDC-GTM-12M	PDC-GTM-14M	PDC-GTM-16M
Power Supply		V/Ph/Hz	220-240/1/50					
Heating ⁽²⁾	Capacity	kW	6.50	8.40	10.00	12.20	14.10	16.00
	Power consumption	kW	1.22	1.66	2.12	2.49	3.00	3.55
	COP		5.30	5.05	4.70	4.90	4.70	4.50
Heating ⁽³⁾	Capacity	kW	6.30	8.20	9.40	12.00	14.00	16.00
	Power consumption	kW	1.96	2.60	3.03	4.00	4.74	5.61
	COP		3.20	3.15	3.10	3.00	2.95	2.85
Cooling ⁽⁴⁾	Capacity	kW	6.50	8.30	10.00	12.20	13.90	15.40
	Power consumption	kW	1.27	1.71	2.32	2.65	3.15	3.66
	EER		5.10	4.85	4.30	4.60	4.40	4.20
Cooling ⁽⁵⁾	Capacity	kW	5.50	7.40	9.00	11.60	13.40	14.00
	Power consumption	kW	1.69	2.34	3.10	3.74	4.57	4.82
	EER		3.25	3.15	2.90	3.10	2.93	2.90
Seasonal energy efficiency class in heating ⁽⁶⁾	LWT a 35 °C		A+++	A+++	A+++	A+++	A+++	A+++
	LWT a 55 °C		A++	A++	A++	A++	A++	A++
SCOP ⁽⁶⁾	LWT a 35 °C		5.12	5.17	5.12	5.08	4.89	4.84
	LWT a 55 °C		3.59	3.67	3.71	3.61	3.62	3.59
SEER ⁽⁶⁾	LWT a 7 °C		5.09	5.19	5.08	5.07	5.09	5.11
	LWT a 18 °C		7.81	8.09	8.31	7.79	7.59	7.49
Sound power level ⁽⁷⁾		dB(A)	60	63	65	70	72	72
External fan	Air flow	m ³ /h	3900	4500		5200		
Net dimensions (WxHxD)		mm	865x1040x410					
Dimensions with packaging (WxHxD)		mm	970x1190x560					
Net/gross weight		kg	87/103			106/122		
Water pipe connections		inch	G1" BSP			1-1/4" BSP		
Set pressure in the safety valve		MPa	0.3					
Total water volume		L	5					
Operating temperature range	Cooling	°C	-5~43					
	Heating	°C	-25~35					
	Domestic hot water	°C	-25~43					
LWT range	Cooling	°C	5~30					
	Heating	°C	12~65					
	Domestic hot water	°C	10~60					
Refrigerant	Type		R32 (675)					
	Loaded volume	kg	1.25			1.8		
Expansion valve			Electronics					
Additional electric heater (Optional)		kW	3,00					

1) EU standards and legislation: EN14511: 2016; EN14825: 2016; EN50564: 2011; EN12102: 2017; (EU) N° 811/2013; (EU) N° 813/2013; OJ 2014/C 207/02; OJ 2017/C 229/01. 2) Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C. 3) Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C. 4) Outside air temperature 35°C DB; EWT 23°C, LWT 18°C. 5) Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C. 6) Seasonal energy efficiency class for heating in average climate conditions. 7) Maximum sound power level tested under conditions of: a) Heating with outdoor air temperature 7°C DB, 6°C WB; EWT 30°C, LWT 35°C; b) Heating with outdoor air temperature 7°C DB, 6°C WB; EWT 47°C, LWT 55°C; c) Cooling with outdoor air temperature 35°C DB, 24°C WB; EWT 12°C, LWT 7°C.

Abbreviations: R.H.: Relative Humidity (%) | DB: Outdoor air temperature at Dry-Bulb (°C) | WB: Outdoor air temperature at Wet-Bulb (°C)
EWT: Entering water temperature (°C) | LWT: Leaving water temperature (°C)

TECHNICAL DATA SHEET



PDC-GTM-12T
PDC-GTM-14T
PDC-GTM-16T



PDC-GTM-22T | PDC-GTM-30T



PDC-GTM-30T



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Refrigerant Gas



CE Marking



Inverter



Tax Deductions

TECHNICAL DATA		Cod.	71M12T00	71M14T00	71M16T00	71M22T00	71M30T00
PDC GREEN TECH - THREE-PHASE		Mod.	PDC-GTM-12T	PDC-GTM-14T	PDC-GTM-16T	PDC-GTM-22T	PDC-GTM-30T
Power Supply		V/Ph/Hz	380-415/3/50				
Heating ⁽²⁾	Capacity	kW	12.20	14.10	16.00	22.0	30.1
	Power consumption	kW	2.49	3.00	3.55	5.0	7.70
	COP		4.90	4.70	4.50	4.40	3.91
Heating ⁽³⁾	Capacity	kW	12.00	14.00	16.00	22.0	30.0
	Power consumption	kW	4.00	4.74	5.61	8.30	13.04
	COP		3.00	2.95	2.85	2.65	2.30
Cooling ⁽⁴⁾	Capacity	kW	12.20	13.90	15.40	23.0	31.0
	Power consumption	kW	2.65	3.15	3.66	5.0	7.75
	EER		4.60	4.40	4.20	4.6	4.00
Cooling ⁽⁵⁾	Capacity	kW	11.60	13.40	14.00	21.0	29.5
	Power consumption	kW	3.74	4.57	4.82	7.12	11.57
	EER		3.10	2.93	2.90	2.95	2.55
Seasonal energy efficiency class in heating ⁽⁶⁾	LWT a 35 °C		A+++	A+++	A+++	A+++	A++
	LWT a 55 °C		A++	A++	A++	A++	A+
SCOP ⁽⁶⁾	LWT a 35 °C		5.08	4.89	4.84	4.53	4.19
	LWT a 55 °C		3.61	3.62	3.59	3.22	3.14
SEER ⁽⁶⁾	LWT a 7 °C		5.11	5.12	5.14	4.70	4.49
	LWT a 18 °C		7.86	7.65	7.54	5.67	5.71
Sound power level ⁽⁷⁾		dB(A)	70	72	72	73	77
External fan	Air flow	m ³ /h	5200			-	-
Net dimensions (WxHxD)		mm	865x1040x410			1129x1558x440	
Dimensions with packaging (WxHxD)		mm	970x1190x560			1220x1735x565	
Net/gross weight		kg	120/136			177 / 206	
Water pipe connections		inch	1-1/4" BSP				
Set pressure in the safety valve		MPa	0.3				
Total water volume		L	5			12	
Operating temperature range	Cooling	°C	-5~43			-5~46	
	Heating	°C	-25~35			-25~35	
	Domestic hot water	°C	-25~43			-25~43	
LWT range	Cooling	°C	5~30			5~25	
	Heating	°C	12~65			25~60	
	Domestic hot water	°C	10~60			40~60	
Refrigerante	Type		R32 (675)			R32	
	Loaded volume	kg	1.8			5.0	
Expansion valve			Electronics				
Additional electric heater (Optional)		kW	3.00				

1) EU standards and legislation: EN14511: 2016; EN14825: 2016; EN50564: 2011; EN12102: 2017; (EU) N° 811/2013; (EU) N° 813/2013; OJ 2014/C 207/02; OJ 2017/C 229/01. 2) Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C. 3) Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C. 4) Outside air temperature 35°C DB; EWT 23°C, LWT 18°C. 5) Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C. 6) Seasonal energy efficiency class for heating in average climate conditions. 7) Maximum sound power level tested under conditions of: a) Heating with outdoor air temperature 7°C DB, 6°C WB; EWT 30°C, LWT 35°C; b) Heating with outdoor air temperature 7°C DB, 6°C WB; EWT 47°C, LWT 55°C; c) Cooling with outdoor air temperature 35°C DB, 24°C WB; EWT 12°C, LWT 7°C.

Abbreviations: R.H.: Relative Humidity (%) | DB: Outdoor air temperature at Dry-Bulb (°C) | WB: Outdoor air temperature at Wet-Bulb (°C)
EWT: Entering water temperature (°C) | LWT: Leaving water temperature (°C)



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