COOLTEG **PLUS DX**

CoolTeg Plus DX units work on the direct expansion principle, with refrigerant circulating between one indoor and one outdoor unit (equipped by compressor).

MAIN ADVANTAGES

- Independent indoor and outdoor unit systems ensure 100% redundancy
- Easy installation and additional capacity expansion
- Keeps data center free of water
- Ecological refrigerant R410A

COLOR SAMPLER: RAL 9005 RAL 7035

CoolTeg Plus DX				
		DXSmall	**DX12**	**DX20**
Indoor unit code	Unit	AC-TDS-42-30/XX-XXX	AC-TDX-42-30/XX-XXX	AC-TDX-42-30/XX-XXX
Connected outdoor unit code		AC-PUHZ-ZRP71V	AC-PUHZ-ZRP125Y	AC-PUHZ-ZRP200Y
BASIC DATA				
Cooling system	–	Direct expansion		
Architecture[1]	–	Open or closed	Open or closed	Open or closed
Nominal cooling capacity[2]	kW	7.0	12.1	19.0
Nominal net cooling capacity[3]	kW	6.8	11.9	18.0
Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50
Running current	A	0.7	1.2	4.2
Maximum current	A	6	6	6
Nominal power consumption	W	150	250	770
Nominal airflow[4]	m^3/h	2100	2500	3800
Number of fans	Pcs	3	5	5
Motor fan technology	–	EC		
Refrigerant type	kg/h	R410A		
Filter class[5]	–	G4		
DIMENSIONS				
Height[6]	mm (U)	1978 (42U), 2111 (45U), 2245 (48U)		
Width	mm	300	300	300
Depth[7]	mm	1000 or 1200		
Weight – depth 1000 mm, height 42/45/48U	kg	153/158/163	163/168/173	163/168/173
Weight – depth 1200 mm, height 42/45/48U	kg	163/169/175	173/179/185	173/179/185
PIPING CONNECTION				
Supply pipe diameter and type	–	10 mm braze	10 mm braze	10 mm braze
Return pipe diameter and type	–	16 mm braze	22 mm braze	22 mm braze

[1] CoolTeg units can be used either independently (in rack rows) or integrated in Modular Closed Loop (MCL) – closed architecture rack systems and cooling units; Code changed as per ordering matrix

[2] Cooling capacity is changed by controller; nominal cooling capacity is calculated at return hot air temperature of 35 °C without condensation (air humidity below dew-point), outdoor temp. +35 °C, clean filters

[3] Net cooling capacity is the cooling capacity minus fan heat load - the actual unit cooling capacity available to the IT equipment

[4] Airflow is changed by the controller; nominal airflow matches nominal cooling capacity

[5] Units in Modular Closed Loop architecture (MCL) are delivered without filters

[6] Without plinth or transport trolley

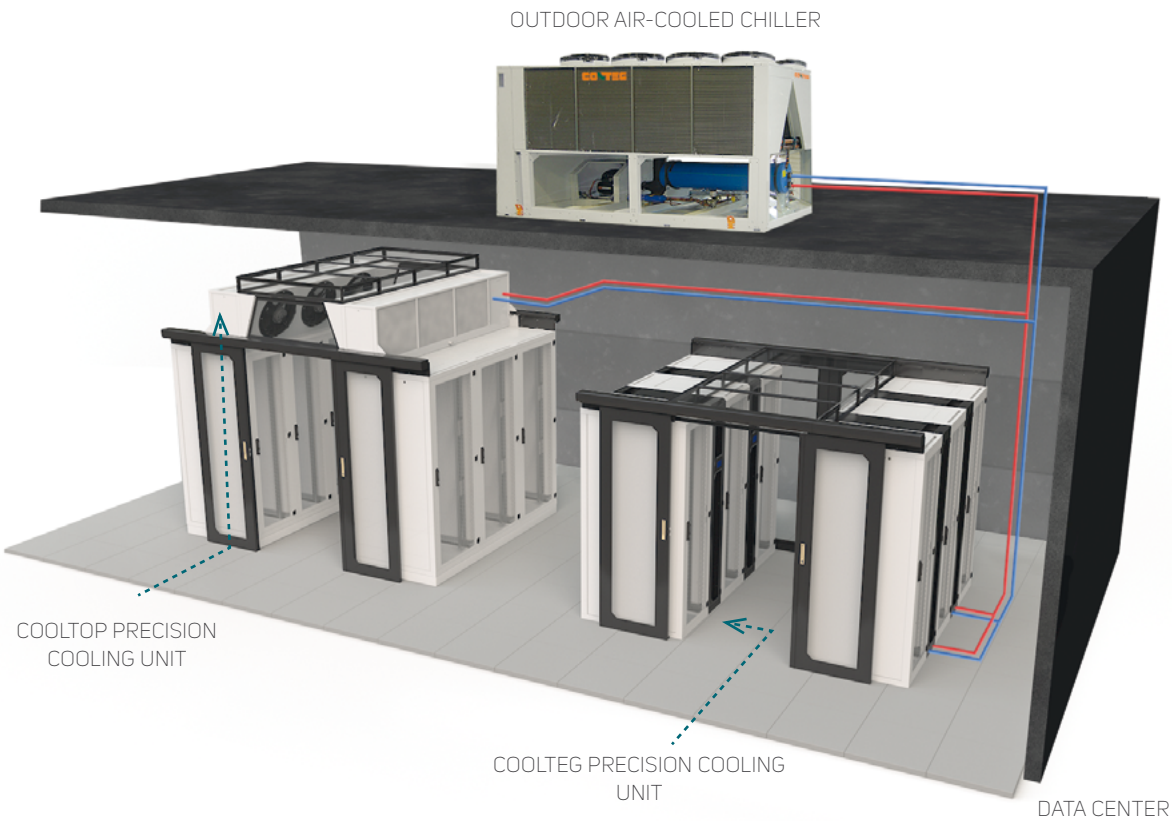
[7] Units for Modular Closed Loop architecture (MCL) are available in 1200 mm depth only

TECHNICAL DATA – DIRECT EXPANSION OUTDOOR UNITS

BASIC DATA	Unit	AC-PUHZ-ZRP71V	AC-PUHZ-ZRP125Y	AC-PUHZ-ZRP200Y
Nominal cooling capacity [1]	kW	7.1	12.5	19.0
Power supply	V/ph/Hz	230/1/50	400/3/50[2]	400/3/50
Running current	A	7.63	5.93	7.77
Maximum current	A	19	9.5	19
Nominal power consumption	kW	1.72	3.78	5.46
Compressor control	-	Inverter		
Refrigerant control	-	Linear expansion valve		
Refrigerant R410A volume	kg	3.5	5.0	7.1
DIMENSIONS				
Width	mm	950	1050	1050
Depth	mm	330	330	330
Height	mm	943	1338	1338
Weight	kg	67	126	135
PIPING CONNECTIONS				
Liquid pipe (diameter)	mm	10	10	10
Gas pipe (diameter)	mm	16	16	22
Max. piping length	mm	50	75	100
Max. height difference	mm	30	30	30

[1] Data valid for nominal conditions: Outdoor temperature: 35 °C DB, Indoor temperature: 27 °C DB, Refrigerant piping length: 7.5 m, Outdoor temperature range: -15 °C to +46 °C

[2] AC-PUHZ-ZRP125 outdoor condensing unit demands power supply: 400 V/3 ph/50 Hz, one-phase units also available



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