

Politecnico di Milano project

TECHNICAL DATA OF THE ABSORPTION CHILLER

Type		LWM-123ET -03	
Cooling capacity		Kw	1433
Chilled water	Temperature IN/OUT	°C	12 / 7
	Flow	m ³ /h	246.4
	Pressure loss	Bar	1.12
	Connection diameter	DN / PN	200/0.8MPA
Cooling water	Temperature	°C	31 / 36.5
	Flow	m ³ /h	504
	Pressure loss	Bar	0.7
	Connection diameter	DN / PN	250/0.8MPA
Hot Water	Temperature	°C	95/ 82
	Thermal power	kW	1.790
	Flow	m ³ /h	118
	Pressure loss	Bar	0.74
	Connection diameter	DN / PN	125/0.8MPA
Electrical data	Power supply		3Φ - 400V – 50Hz
	Total current	A	19.8
	Electric power	kVA	13.7
Overall dimension	Length	mm	5000
	Width	mm	2100
	Height	mm	3250
Operating weight		t	19.3
Shipping weight		t	16.2

Notes:

1. The cooling capacity can be varied in a range between 20 – 100 %. The cooling water and tower water flow can be varied in a range between 60 – 120 %.
2. The fouling factor is 0.086 m²K/kW (0,0001 m²/kcal).
3. The cool water and tower water loop maximum pressure is 8 kg/cm²d.
4. The hot water loop maximum operating pressure in 8 kg/cm²g.