



GENERAL DATA

Model	a-HWD2 2T
Version	DLIO
Size	602
UNIT DESCRIPTION [General descriptions and images of the range, not specific to the choice of model]	High head ducted type terminal



PERFORMANCE AT DESIGN CONDITIONS

REFERENCE CONDITIONS

COOLING

Dry Bulb temp. Inlet Cooling	°C	27,0
Relative Umidity inlet in cooling	%	47
Max water flow	l/s	*
Inlet fluid temp. in cooling	°C	7,0
Outlet fluid temp.in cooling	°C	12,0
Fluid type		ETHYLENE GLYCOL
Glycol	%	30

HEATING

Inlet dry bulb temp. Heating	°C	20,0
Relative Umidity Inlet Heating	%	50
Water flow in heating mode	l/s	*
Inlet fluid temp. in heating	°C	50,0
Outlet fluid temp.in heating	°C	*
Fluid type		ETHYLENE GLYCOL
Glycol	%	30

SELECTION PERFORMANCES

COOLING CAPACITY

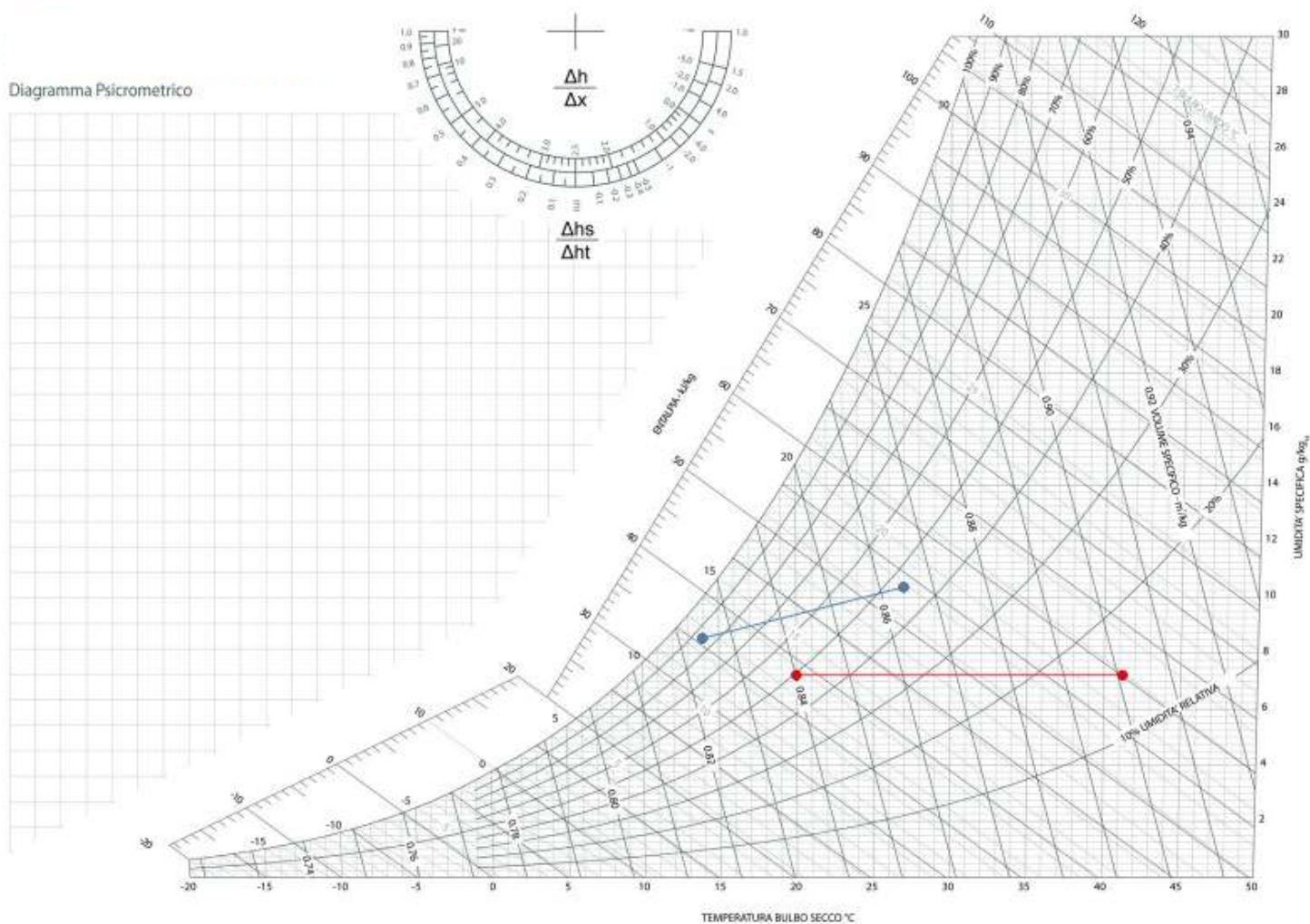
Speed		1
Total capacity in cooling mode	kW	18,6
Sensible capacity in cooling mode	kW	13,2
SHR		0,71
Pressure Drop in cooling mode	kPa	35
Max water flow	l/s	0,68
Outlet fluid temp.in cooling	°C	12,0
Outlet dry bulb temp. in cooling	°C	13,9
Relative Umidity Outlet cooling	%	89



HEATING CAPACITY

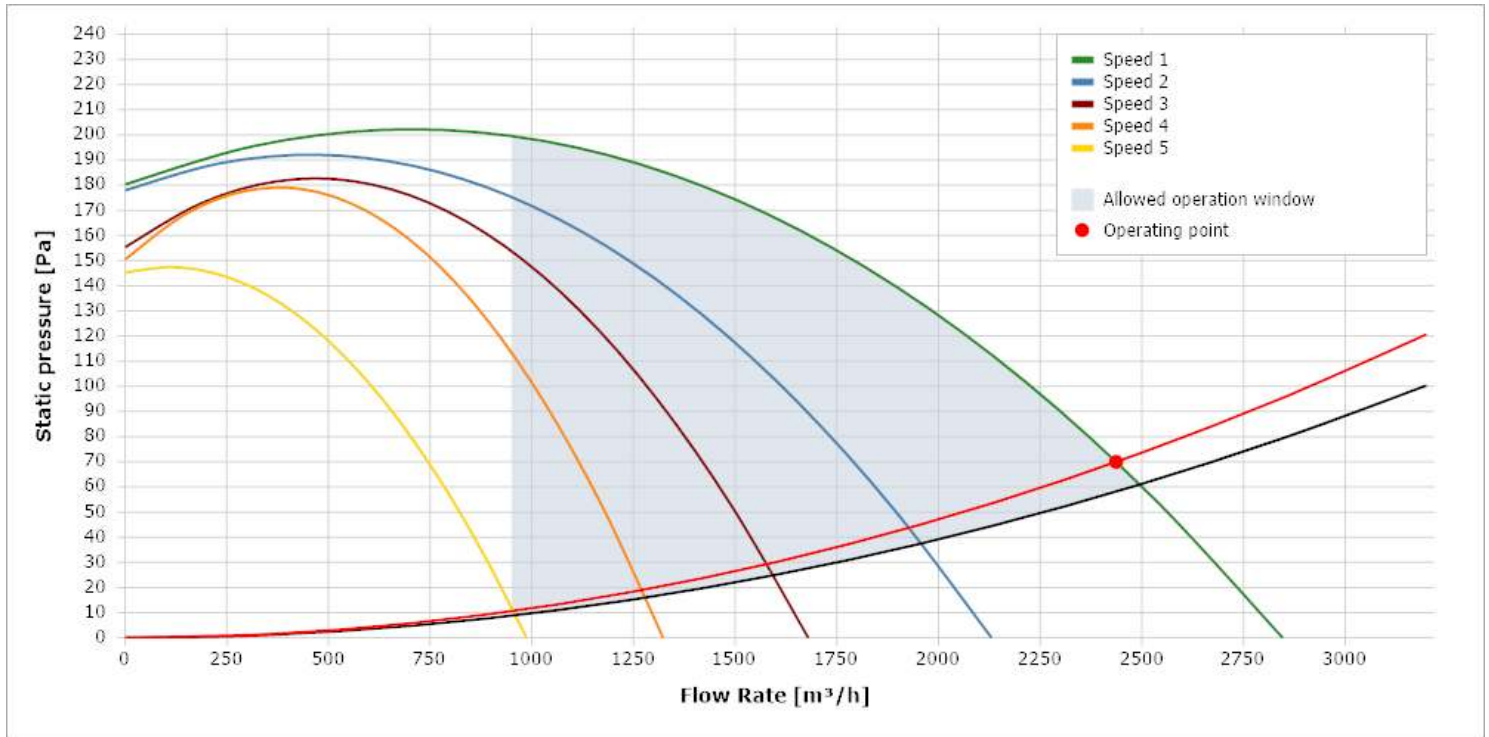
Speed		1
Total capacity (heating mode)	kW	21,4
Pressure drop in heating mode	kPa	35
Water flow in heating mode	l/s	0,68
Outlet fluid temp.in heating	°C	44,0
Dry Bulb temp. Outlet Heating	°C	41,4
Relative Umidity Outlet Hating	%	15

PSYCHROMETRIC CHART





FAN CURVES



FAN

Speed		1	2	3	4	5
		Max	Medium	-	Min	-
Air flow rate	m³/h	2436	1927	1578	1271	954
ESP External Static Pressure	Pa	70	44	29	19	11
Fan Power Input	W	390	344	280	222	175
Sound Pressure on inlet side Lp (IR)	dB(A)	55	52	50	45	40
Sound Power on inlet side Lw (IR)	dB(A)	66	63	61	56	51
Noise NC inlet side		51	48	44	38	34
Noise NR inlet side		53	49	46	40	35
Sound Pressure on outlet side Lp (OD)	dB(A)	51	48	46	41	36
Sound Power on outlet side Lw (OD)	dB(A)	62	59	57	52	47
Noise NC delivery side		46	43	41	36	31
Noise NR delivery Side		47	44	42	38	33

SOUND DATA



INTAKE FANS SOUND DATA

		63	125	250	500	1000	2000	4000	8000	1st
	-	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)
Noise power level	1 (Max)	0	65	66	65	63	61	58	53	66
Noise power level	2 (Medium)	0	63	64	63	60	57	55	50	63
Noise power level	3	0	60	60	58	56	54	52	46	61
Noise power level	4 (Min)	0	58	57	54	50	48	40	32	56
Noise power level	5	0	53	52	50	44	43	35	27	51

NOISE DATA NC e NR

Speed	1	2	3	4	5
	Max	Medium	-	Min	-
Noise NC inlet side	51	48	44	38	34
Noise NR inlet side	53	49	46	40	35

SUPPLY FANS SOUND DATA

		63	125	250	500	1000	2000	4000	8000	1st
	-	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)
Noise power level	1 (Max)	0	58	59	58	58	54	53	47	62
Noise power level	2 (Medium)	0	55	56	55	55	51	50	44	59
Noise power level	3	0	53	54	53	53	49	48	42	57
Noise power level	4 (Min)	0	49	50	49	46	46	39	33	52
Noise power level	5	0	43	44	45	41	41	30	24	47

NOISE DATA NC e NR

Speed	1	2	3	4	5
	Max	Medium	-	Min	-
Noise NC delivery side	46	43	41	36	31
Noise NR delivery Side	47	44	42	38	33

ELECTRICAL DATA

Power supply	V/ph/Hz	230/1/50
Max absorbed power	W	570
Absorbed current	A	2,70

WEIGHT & DIMENSIONS

A	mm	1280
B	mm	605
H	mm	275
Operating weight	kg	57

