



CLADE

BIRCH WATER
PUMP STATIONS //



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The Birch natural solution

The Clade Birch dry air cooler and pump station solutions have been designed to cater for a wide variety of applications across the food retail and logistics sectors.

These water-based, closed loop solutions are designed to offer a wide band of duties from 20kW to 500kW and can be supplied as a combined dry air cooler with pump station or as independent items to allow ease of installation on site.

The Birch is also available as a heat reclaim variant across all capacity ranges and has the capability to utilise the rejected heat from the return of the water loop circuit and divert this as usable heat to the buildings mechanical system.



Key benefits

- Galvanised housing
- Coils with a selection of AL-, CU-AL-mg or CU-CU fin material
- Wilo fixed or variable speed pumps
- Duty and standby pumps
- Mikrofill pressurisation or Spirovent pressurisation and degasser
- Air dirt separator
- Expansion vessel
- Dosing pot
- Flow regulation
- Pressure relief valves
- Range of BMS compatible control software platforms



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Based on 35°C ambient, 40°C flow, 6k ΔT

DAC-P	Duty kW	Head Max	Unit Fans	Dims	Pumps	Supply Voltage	Flow Rate l/s	dB(A)
DAC-P20	20	6m	2	2750 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	0.87	26
DAC-P30	30	6m	2	2750 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	1.3	32
DAC-P40	40	6m	2	2750 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	1.74	38
DAC-P50	50	6m	3	4467 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	2.17	31
DAC-P60	60	6m	3	4467 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	2.61	36
DAC-P70	70	10m	3	4467 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	3.04	41
DAC-P80	80	10m	3	4467 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	3.48	46
DAC-P90	90	10m	4	5679 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	3.91	32
DAC-P100	100	10m	4	5679 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	4.35	37
DAC-P125	125	10m	4	5679 x 1205 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	5.37	45
DAC-P150	150	10m	6	4467 x 2410 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	6.52	35
DAC-P175	175	10m	6	4467 x 2410 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	7.61	39
DAC-P200	200	12m	6	4467 x 2410 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	8.7	45
DAC-P250	250	12m	6	4467 x 2410 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	10.87	48
DAC-P300	300	12m	8	5679 x 2410 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	13.05	38
DAC-P350	350	12m	8	5679 x 2410 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	15.22	40
DAC-P400	400	16m	10	6889 x 2410 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	17.41	39
DAC-P450	450	16m	10	6889 x 2410 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	19.57	42
DAC-P500	500	16m	10	6889 x 2410 x 2333	Wlio DL Twin Head	380v-420v /3/50Hz	21.75	46



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