

# Abbifan 140-XXP-21

*The leading standard in barn ventilation!*

The reliable and exceptionally energy-efficient Abbifan 140-XXP-21 features the latest direct-drive motor technology. The fan's propeller is fitted directly onto the new motor's shaft, so slipping no longer occurs. This also means that you no longer have maintenance or wear and tear on parts such as pulleys, bearings, and belt drives.

The compact motor has a built-in converter in a separately protected section of the casing. The fan comes with a 2-plug contact connection (plug and play) for fast and easy installation of power and control cables. The connector plugs are supplied as a standard with two lengths of cable; you only need to provide the central 400V power cable and a 0-10V control cable.

## YOUR ADVANTAGES

- Minimal air resistance with aerodynamic orifice panel made from recyclable plastic
- Highly compact DC motor with built-in electronics for precise rotational speed control
- Direct-driven Wave propeller; no slipping
- No maintenance and no wear parts
- Curved Wave propeller blades generate airflow with consistent optimal air speed
- Fully controllable with the Abbi DCC-Touch

### Result:

*More air with less energy and at a lower cost!*

Compact direct-drive DC motor

Electronic converter (plug and play)

Direct-driven Wave propeller

Extremely robust mounting bracket

Aerodynamic orifice panel for perfect airflow

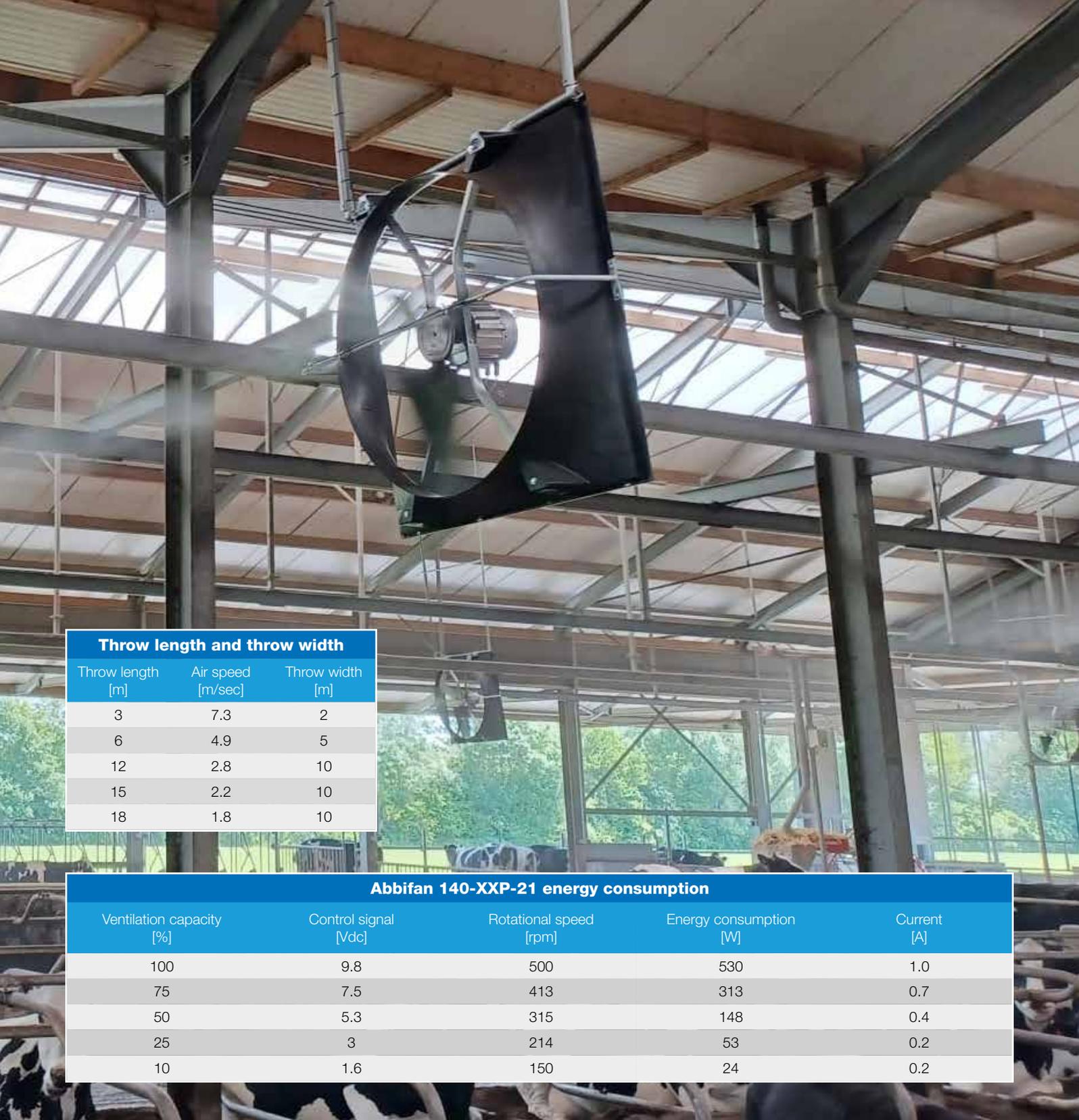
## PRODUCT SPECIFICATIONS

Motor:	EC DC motor with permanent magnet
Voltage*:	400V/3-phase
Frequency:	50/60Hz
Max. energy consumption:	530W
Current:	1.0A
Electronic converter:	0-10V control signal (EMC)
Propeller rotational speed:	500rpm
External dimensions:	147x38x144cm
Fitting dimensions:	140x38x140cm
Propeller diameter:	1219mm
Weight:	46kg
Energy efficiency label:	AA+
Sound levels:	58.1dB (Lpa 7m) 63.1dB (Lpa 4m)

\* Also available in a 230V/1-phase option

*“The new Abbifan 140-XXP-21 dairy fan is extremely energy-efficient.*

*And yes, we're very proud of that!”*



### Throw length and throw width

Throw length [m]	Air speed [m/sec]	Throw width [m]
3	7.3	2
6	4.9	5
12	2.8	10
15	2.2	10
18	1.8	10

### Abbifan 140-XXP-21 energy consumption

Ventilation capacity [%]	Control signal [Vdc]	Rotational speed [rpm]	Energy consumption [W]	Current [A]
100	9.8	500	530	1.0
75	7.5	413	313	0.7
50	5.3	315	148	0.4
25	3	214	53	0.2
10	1.6	150	24	0.2

# Savings

A proper ventilation system in your barn, complete with energy-efficient, direct-driven fans and full-automatic control, can easily cost you €1,500.00 per fan. That sounds like a lot of money, but this is a one-time expense.

It is not only the investment itself that counts but also the daily costs associated with it. This extremely energy-efficient Abbifan 140-XXP-21 can easily provide savings of anywhere from €200.00 up to €350.00 per fan per year! With an energy consumption of just 0.53kWh at its highest setting as opposed to no less than

1.1kWh by the 'cheaper' fans on the market, this will lead to savings of €313.00\* per fan annually. And if we increase the kWh price by 3 cents, your savings can amount to up to €356.00 per fan each year!

Your return on investment is faster thanks to savings on your daily costs plus the maintenance costs you save on not having to replace bearings, belts, or pulleys.

\* Based on an assumed price of €0.22 per kWh.