

COWEALTHY

Animal Welfare Technology



COWAIR

DIRECT DRIVE FAN

HIGH VOLUME

LOW SPEED

CE

cowealthy.com

FAN OVERVIEW



IP65

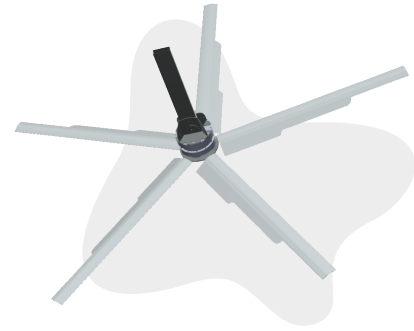
PERMANENT
MAGNET

ENERGY
EFFICIENT

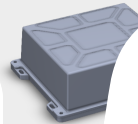
PLUG
& PLAY

High Volume Low Speed CowAir HVLS Fans are the newest tech in dairy ventilation systems. CowAir fan is a direct drive ventilation system including highly efficient permanent magnet silent motor. IOT connectivity via BLE, WIFI and CAN Bus is also available. By the support of connectivity temperature, humidity and cow activity can be tracked and fan speed can be adjusted. This innovation results in less maintenance, more efficiency, less energy consumption, and real-time monitoring via Cowealthy Herd Management System.

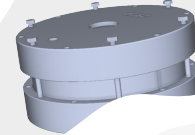
TECHNICAL DATA



HIGH TECH
INVERTER



PM
DIRECT
DRIVE
ENGINE



TILTABLE
ROBUST
FRAME



AIRFOIL
BLADES



TEMPERATURE
HUMIDITY
ACTIVITY

MAIN FEATURES

1

DIRECT DRIVE PERMANENT MAGNETS ENGINE

No gearbox, No noise, No maintenance
Gearless technology, highest
performance & energy efficiency.

2

ON-BOARD INVERTER / MOTOR DRIVE UNIT

Plug & play fast connection. Integrated
compact motor driver. 1 phase 50 or 60 Hz
simple connection. No other systems required.

3

IOT CONNECTION / REMOTE CONTROL & MONITORING

No extra control hardware & cost.
Everything is mobile.
BLE & WIFI wireless connectivity.

4

TEMPERATURE, HUMIDITY & ACTIVITY BASED CONTROL

Energy efficiency & comfort can be increased
with THI index & activity based control
With optional temperature humidity & activity
radar sensors.

ALL SPECS

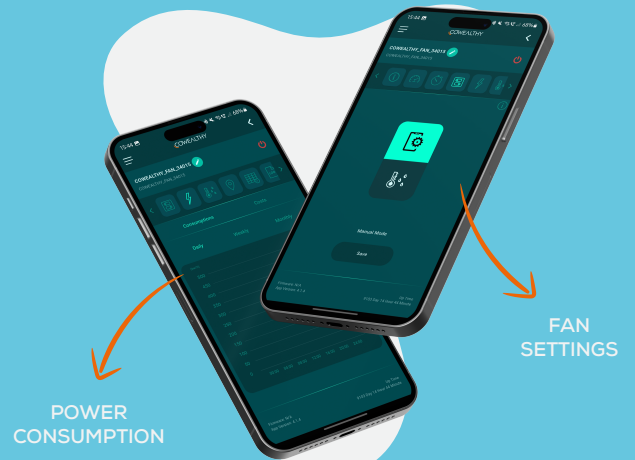
- Fan Diameter; 4m,5m,6m,7m
- Plug & Play; 220V / 277V AC, 50Hz / 60Hz
- High Volume Low Speed IOT
- Permanent Magnet Motor
- Inverter On Board
- HVLS Direct Drive
- IOT Connectivity
- Aluminum Blades
- Protection Level; IP65
- Temp & Humidity Control
- Cow Activity Control
- Radar & Temp Sensor Integration
- High Temp, Short Circuit Protection
- Thermal, Un Balance Protection
- Voltage Drop, Vibration Protection
- Predictive Maintenance Alarms
- Herd Management Integration
- Real time Monitoring



TIME BASED
AUTO CONTROL



WEB
FAN SPEED
ADJUSTMENT



FAN FOR COW WELFARE - ALL MODELS

MODEL CODE	FAN DIAMETER	MAX SPEED	MAX POWER	WEIGHT	OPERATING VOLTAGE
COWAIR - 200	2.0	210	1,0	72	2201Ph
COWAIR - 200P	2.0	300	1,5	72	2201Ph
COWAIR - 250	2.5	200	1,0	76	2201Ph
COWAIR - 250P	2.5	250	1,5	76	2201Ph
COWAIR - 300	3.0	160	0,8	79	2201Ph
COWAIR - 300P	3.0	210	1,5	79	2201Ph
COWAIR - 400	4.0	110	0,5	84	2201Ph
COWAIR - 400P	4.0	140	1,2	84	2201Ph
COWAIR - 500L	5.0	80	0,6	89	2201Ph
COWAIR - 500	5.0	100	1,1	89	2201Ph
COWAIR - 500P	5.0	120	1,4	89	2201Ph
COWAIR - 600	6.0	70	0,65	94	2201Ph
COWAIR - 600P	6.0	90	1,15	94	2201Ph
COWAIR - 700	7.0	60	0,75	99	2201Ph
COWAIR - 700P	7.0	80	1,2	99	2201Ph

(M) (RPM) (KW) (KG) (VAC)

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 @cowealthy



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