



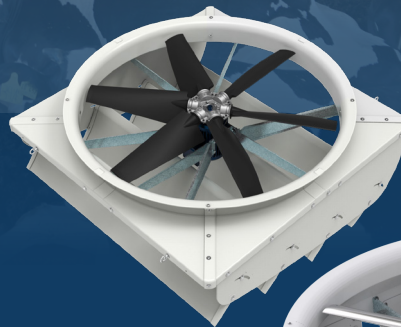
CYCLONE

The Cyclone fans had been designed initially almost 20 years ago to “break” the barrier where heavy cold air meets the lighter warm air in natural ventilated dairy barns. This problem occurs mainly in countries with freezing outside temperatures. In recent years worldwide studies in numerous dairy farms have proven that Cyclone fans are the best all year long in almost every dairy barn. Especially since it became clear, that only air velocities of 2 – 2,5 m/sec at cow level (approximately 1m above floor) provide the best cooling for your cows. Low airspeeds have proven to be less effective and still causing heat stress during warm days. Due to the special-shaped deflectors at the air discharge point of each Cyclone fan, the airflow is not only focused on getting the correct air velocity directly towards the individual cow, but also achieving this over a great distance. At the same time, this airflow is not only covering one side of the cow but covers the entire body of each cow while resting in their cubicles.

HOUSING

- Made with durable, and corrosion-free reinforcement fiber composite
- We added a thicker layer of U.V. protection on the outside surface for years of durability
- Both smooth surface to increase performance and to reduce the cleaning process with our SMC housing
- Airflow design maximizes the efficiency
- Directional air deflectors with a wide range of angle

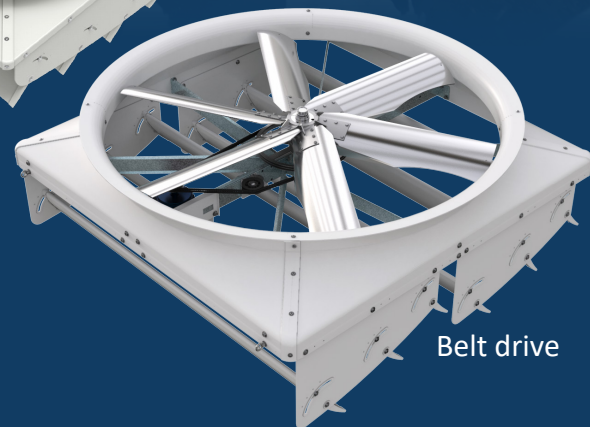
55" 72" 84"
140cm 183cm 213cm



Direct drive

IMPELLER

- Heavy-duty and high precision bearing assembly with double protection seal
- Shaft fixed on a quick base mount
- The blades are made with 2.5 to 5mm thick aluminum alloy
- For the direct drive model, durable composite nylon impeller comes standard
- Our belts are made with high efficient moulded notches
- Long belt can change easily around the paddle allowing
- Aluminum comes standard on belt drive fans and Nylon comes standard for direct drive fans



Belt drive

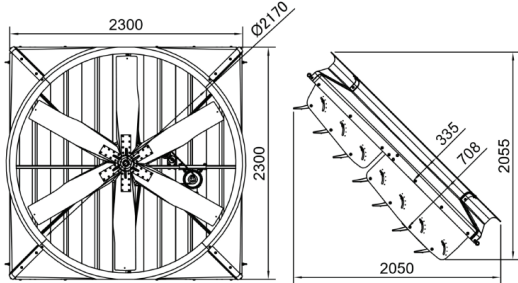
OPTIONS

- 1 or 3 phase motor
- Upgrade your motor with a powerful PMSM in belt drive or direct drive
- OSHA safety guard
- Thermal protection
- Variable frequency drive (VFD)
- 4 lines of high-pressure nozzle misting system integrate inside the deflector of the Cyclone
- Nylon blades standard with PMSM motor
- Different solutions are available to mount the Cyclone inside the barn: on steel post, building column or suspended from the ceiling with chains

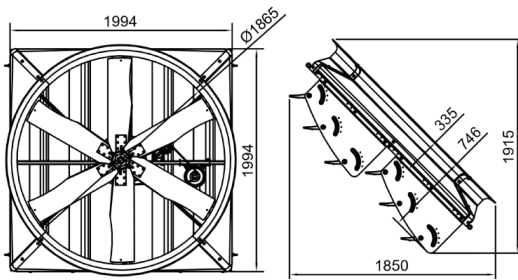
MOTOR & SUPPORT

- Our high-efficiency motors are fully enclosed (IP55)
- All our motors are designed and rated for years of trouble-free operation
- Every motor is quiet during operation on all range of speed
- Built with a central steel support beam, this design provides strong vertical support that aligns the propeller at the center of the orifice for maximum performance
- The motor is fixed on a slider motor base for quick attachment (belt drive)

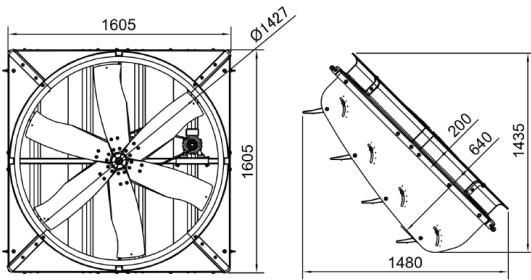
84"



72"



55"



General info	84"	72"	55"
RPM propeller	350(BD) or 600(DD)	350(BD) or 600(DD)	400(BD) or 600(DD)
Speed	1 or VAR with control	1 or VAR with control	1 or VAR with control
Drive	Belt or Direct drive		
Blades material	Aluminum or Nylon		
Application	Recirculation		
Blade Qty	6		

Fan info	84"		72"		55"	
	Direct	Belt	Direct	Belt	Direct	Belt
Airflow rate (m ³ /h)	115 426	113 300	89 704	84 039	54 922	44 863
Efficacy (W/1000 m ³ /h)	62.65	26.53	28.66	28.49	29.22	26.68
Thrust (lbf)	74.8	71.11	60.32	53.70	37.85	25.17
Thrust Eff. (lbs/kW)	19.85	23.66	23.46	22.43	23.58	21.02
Airflow rate (CFM)	67 898	66 647	52 767	49 435	32 307	26 390
Efficacy (CFM/W)	18	22.17	20.52	20.65	20.13	22.05
Size (WxDxH)	230x230x100 cm		200x200x100 cm		160x160x80 cm	
Minimum ceiling height	7.5m		6m		5m	
Weight (Kg)	230(BD&DD)		185(BD) or 176(DD)		80(BD) or 99(DD)	
Guard mat	Zinc & powder coat					
OSHA protection	Option					
Power (kW)	4.0 (BD&DD)		2.2(BD) or 3.0(DD)		1.1(BD) or 1.5(DD)	
Phases	3		1 or 3		1 or 3	
Volt	200-230-380-400-415-460-600					
Hz	50/60					
Motor enclosure	IP55					

Other configuration are available.

The products show in this brochure are covered by a limited warranty.

Due to our continual effort to provide better products and services, literature, products, performance data and price may change without notice.