

CMRS-X-1600-220 IE3



Belt-driven fans with electric motor. pulley and belt kit and protectors complying with standard ISO-13857:2008



Fan:

- Steel scroll housing
- Backward curved. robust steel impeller. designed to transport clean air or air with minimal amounts of small particles
- Dedicated motor support arrangement
- Belt-driven fan

Motor:

- Motors with IE3 efficiency
- Class F insulation. IP55
- Three phase. 50Hz. 230/400V motors up to and including 4kW. 400/690V over 4kW
- Transported air temperature of between -20°C and 150°C

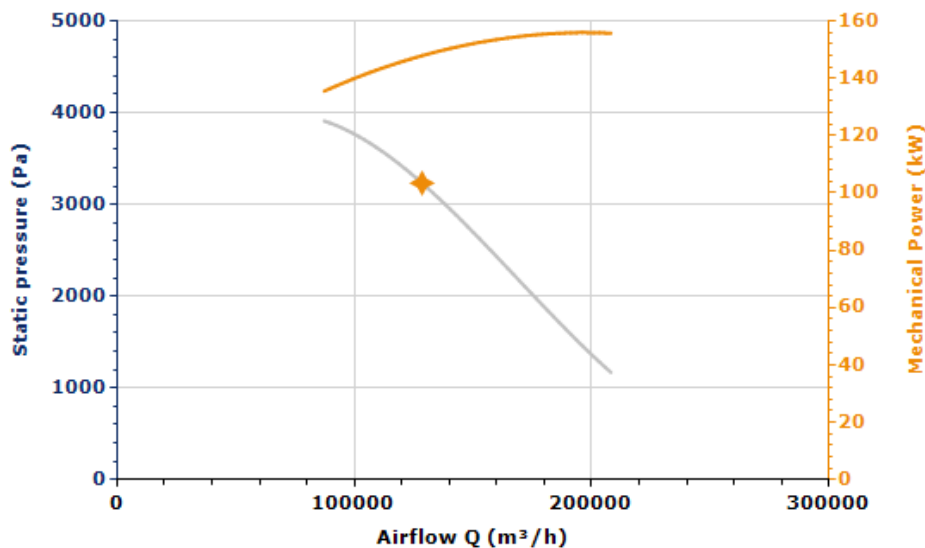
Finish:

- Anti-corrosive finish in polyester resin. polymerised at 190°C after phosphate free pre-treatment

On request:

- Special windings for different electrical supplies
- Fans designed to transport air up to 250°C
- Stainless steel construction
- ATEX certification. category 2
- Motors with IE2 efficiency

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³



Design Point

Q (m ³ /h)	
Ps (Pa)	

Service Point (SP)

Q (m ³ /h)	
Ps (Pa)	
Pd (Pa)	
Pt (Pa)	
Impeller (rpm)	
Max. Temp. (°C)	
Outlet air speed (m/s)	
Efficiency (%)	
Mechanical Power (kW)	

TECHNICAL CHARACTERISTICS

Airflow maximum (m ³ /h)	208050
Speed (rpm)	970
Approx. weight (kg)	3140

Efficiency	72.6%
Efficiency grade N	69.6
Measurement category	C
Efficiency category	Static
Specific ratio	1.03
Flowrate (m ³ /h)	128501
Pressure (Pa)	3241.78
Input power (kW)	159.40
Speed (rpm)	970
Variable speed drive	VSD not necessary

◆ Data established at point of optimum efficiency

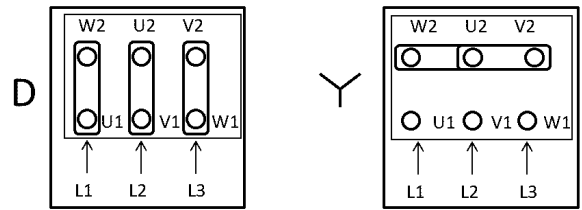
MOTOR DATA

Rated Mechanical Power (kW)	160
Hz/phases	50/3
Motor (rpm)	1490
Poles	4
Max. current (A) 380-415 V D	280.00
Max. current (A) 660-725 V Y	162.00
Motor protection	IP55
Motor frame size	315

Data can change, please check motor plate

AVAILABLE ACCESSORIES

No available accessories.



DIMENSIONS

A	A2	B	B2	C	C1	C2	E	F	G	H	H1	L	M
2535	2740	3075	3265	2390	1746	572	1060	1680	654	1850	945	2900	40

$\varnothing O1$	U	V	v	v1	x	x1	Y	Z	$\varnothing D1^*$	$\varnothing d$	$\varnothing d1$	$\varnothing d2$	I
24	180	1860	1700	1120	800	1258	880	2138	1610	1730	1663	16	1280

J	J2	K	k	k2	$\varnothing O$
1760	1683	1120	200	1220	22

Dimensions without explicitly defined units are shown in millimeters (mm)

