

Information according to (EU) 327/2011 (ERP 2018)

Commission Regulation (EU) 327/2011		Requirements for fans driven by motors with an electric input power between 125 W and 500 kW.
1	Overall efficiency η_{es}	66.7%
2	Measurement category	A
3	Efficiency Category	Static
4	Efficiency grade N: Actual / Req. 2015	67.9%
5	Variable speed drive	Yes
9	Power consumption P_{ed}	3.83 kW
	Air flow q_v	5 836 m ³ /h
	Pressure increase pfs	1 499.2
10	Speed (rpm) n	2 850
11	Specific ratio	1.01

Compliance with Standards

ISO 5801:2017	„Fans – Performance testing using standardized airways”
ANSI/AMCA Standard 210-16	Laboratory Methods of Testing Fans for Certified Aerodynamic Performance Rating
ANSI/AMCA Standard 300-14	Reverberant Room Method for Sound Testing of Fans
AMCA Standard 205-10	Energy Efficiency Classification for Fans
ANSI/AMCA Standard 208-18	Calculation of the Fan Energy Index

AMCA Certification

Swiss Rotors Sp. z o.o. certifies that the

SR-MI-A-400-3.7 Motorized Impeller

shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Power rating does not include transmission losses.

Performance ratings do not include the effects of appurtenances.

Performance certified is for installation type A (Free inlet, free outlet).



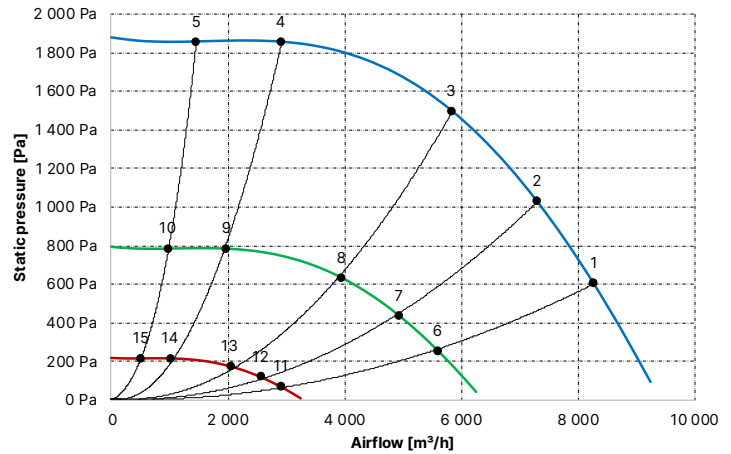
AMCA Fan Efficiency Grade

Fan Efficiency Grade (FEG), AMCA 205-10	80
---	----

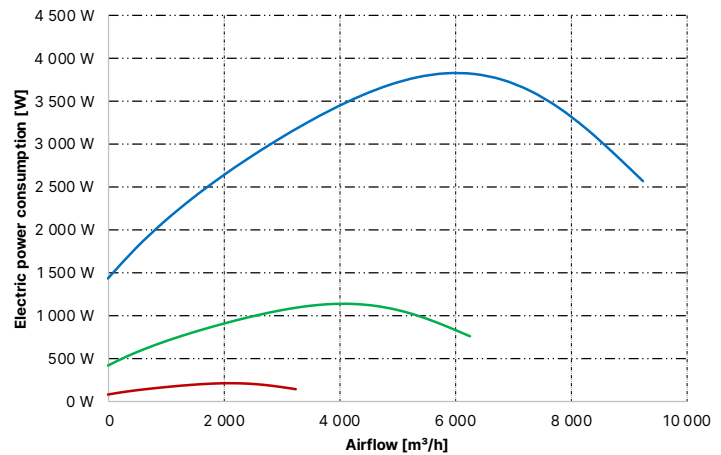
Measured Points

Point #	n [RPM]	V [m ³ /h]	dP [Pa]	I [A]	EPC [kW]	L _p A _{in} [dB(A)]	L _w A _{in} [dB(A)]	L _w A _{out} [dB(A)]	FEI
1	2 850	8 267	604	4.5	3.18	83.7	91.7	95.4	0.99
2	2 850	7 295	1 031	5.1	3.62	81.4	89.4	93.8	1.26
3	2 850	5 836	1 499	5.4	3.83	78.8	86.8	92.3	1.37
4	2 850	2 918	1 857	4.4	3.05	82.0	90.0	95.4	1.11
5	2 850	1 459	1 858	3.5	2.37	83.3	91.3	97.0	0.79
6	1 926	5 587	256	1.6	0.94	75.1	83.1	86.9	1.14
7	1 926	4 930	437	1.8	1.07	72.9	80.9	85.2	1.35
8	1 926	3 944	635	1.8	1.13	70.3	78.3	83.8	1.43
9	1 926	1 972	786	1.5	0.90	73.5	81.5	86.9	1.18
10	1 926	986	787	1.3	0.70	74.8	82.8	88.5	0.89
11	1 000	2 901	71	0.6	0.18	60.9	68.9	72.6	1.60
12	1 000	2 560	120	0.6	0.20	58.7	66.7	71.0	1.62
13	1 000	2 048	175	0.6	0.21	56.1	64.1	69.6	1.59
14	1 000	1 024	217	0.6	0.17	59.3	67.3	72.7	1.35
15	1 000	512	217	0.5	0.13	60.6	68.6	74.3	1.13

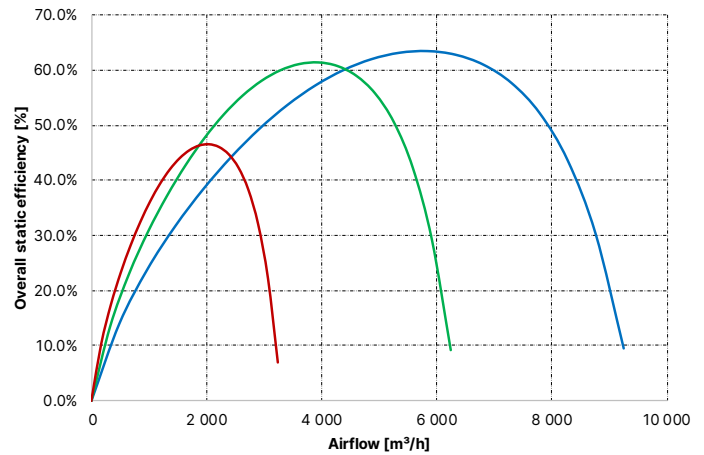
dP = f(V)



EPC = f(V)



$\eta_{es} = f(V)$



Power supply and control connections

