AYSU
HVAC SYSTEMS

FANS · TECHNICAL DATASHEET

Product code: **AYS-FAN-RD**

CIRCULAR DUCT FAN



Compact radial fan for in-line duct ventilation. Efficient airflow and low sound levels deliver reliable performance.

SUPPLY	230 V · 1~ · 50 Hz
AIRFLOW	290 – 1,800 m³/h
MAX. PRESSURE	250 – 640 Pa
DIAMETER	Ø100 – Ø315 mm

FEATURES

- Mounts directly in-line in circular ducts
- Radial impeller: high pressure in a compact casing
- Low sound level: 43–49 dB(A)
- Speed-controllable motor
- Easy fixing with mounting bracket
- Connection diameters Ø100 – Ø315 mm

TECHNICAL SPECIFICATIONS

Fan type in-line radial	**Supply** 230 V, single phase, 50 Hz
Motor power 80 – 210 W	**Current** 0.34 – 0.91 A
Speed 2,325 – 2,660 rpm	**Sound level** 43 – 49 dB(A)
Weight 2.7 – 7.0 kg	**Installation** in-line, with bracket

APPLICATIONS

Bathroom and WC extract, residential buildings, offices, shops and small commercial spaces; in-line use in supply or extract ducts.

PRODUCT DATA

Model	Voltage V	Current A	Power W	Speed rpm	Max. airflow m³/h	Max. pressure Pa	Sound dB(A)	Weight kg
AYS-FAN-RD-100	230	0.34	80	2,610	290	250	44	2.7
AYS-FAN-RD-125	230	0.34	82	2,325	410	300	43	2.8
AYS-FAN-RD-150	230	0.37	85	2,425	600	320	46	3.2
AYS-FAN-RD-160	230	0.39	90	2,425	620	340	45	3.2
AYS-FAN-RD-200	230	0.52	120	2,550	1,000	440	48	5.0
AYS-FAN-RD-250	230	0.63	145	2,635	1,120	550	47	5.1
AYS-FAN-RD-315	230	0.91	210	2,660	1,800	640	49	7.0

The model number is the duct connection diameter (mm). Max. airflow is given at free blowing (0 Pa), max. pressure at zero flow.
Order code: AYS-FAN-[TYPE]-[SIZE], e.g. AYS-FAN-RD-200. Values are manufacturer data.

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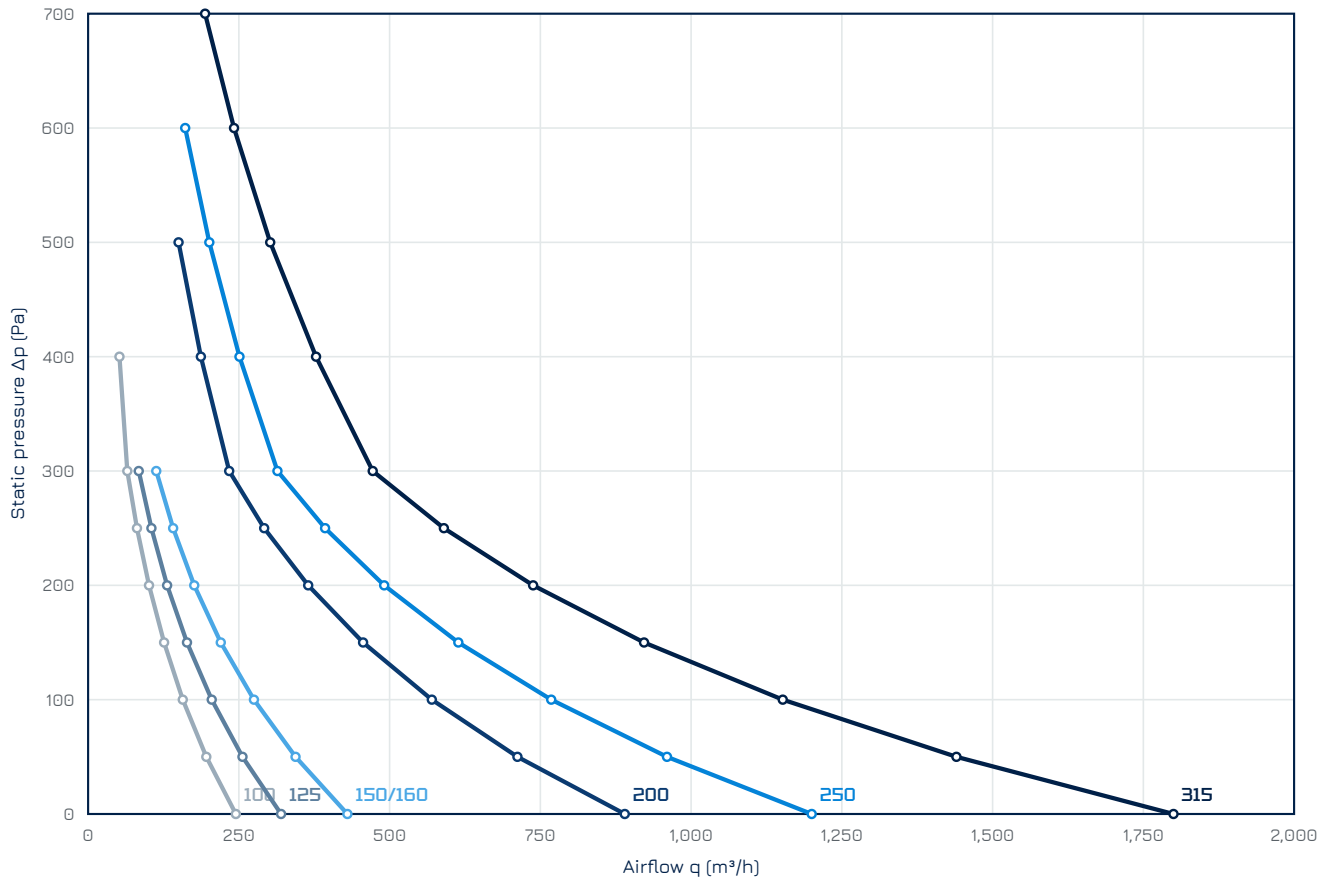
PERFORMANCE TABLE

Airflow versus static pressure (m³/h)

Model / Pa	0	50	100	150	200	250	300	400	500	600	700
AYS-FAN-RD-100	245	196	157	126	101	81	65	52	–	–	–
AYS-FAN-RD-125	320	256	205	164	131	105	84	–	–	–	–
AYS-FAN-RD-150	430	344	275	220	176	141	113	–	–	–	–
AYS-FAN-RD-160	430	344	275	220	176	141	113	–	–	–	–
AYS-FAN-RD-200	890	712	570	456	365	292	234	187	150	–	–
AYS-FAN-RD-250	1,200	960	768	614	491	393	314	251	201	161	–
AYS-FAN-RD-315	1,800	1,440	1,152	922	738	590	472	378	302	242	194

FAN CURVES

Static pressure – airflow



NOTES

Curves are plotted from the performance table points; models 150 and 160 have identical performance.
The operating point is where the fan curve meets the system resistance curve.
Sound level dB(A) and all values are manufacturer data; subject to technical changes.