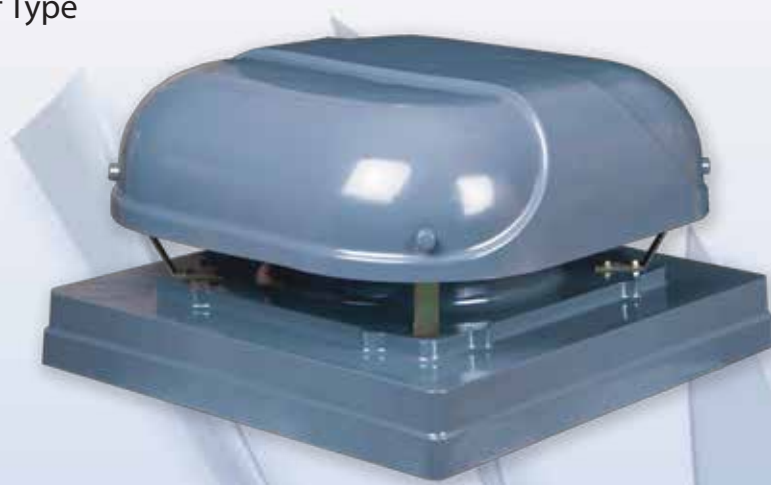


RDY Series

Centrifugal Roof Type
Ex-proof Fan



Centrifugal roof-mounted extractor fans with horizontal air outlet and aluminium rain cap. ATEX Certification and CEE ExII2G Ex-d non-sparking motor for working in explosive atmospheres.

FAN

- Support base in galvanised sheet steel with brass intake nozzle in accordance with standard EN-14986
- Impeller with reaction blades made of galvanised sheet steel.
- Bird control grille.
- Aluminium rain cap.

MOTOR

- ATEX- Certified. Ex e explosion proof. Ex d. Ex tc or Ex tb non-sparking class F motors with ball bearings.
- Three-phase 230/400V-50Hz and 400/690V-50Hz (powers higher than 4 Kw).
- Maximum temperature of air to be carried -20°C + 120°C.

FINISH

- Corrosion-proof galvanised sheet steel and aluminium.

ON REQUEST

- Motors with built-in PTC.
- Special windings for different voltages and frequencies.
- ATEX construction for different categories.
- Single-phase Ex-d non-sparking motors.

TECHNICAL SPECIFICATIONS

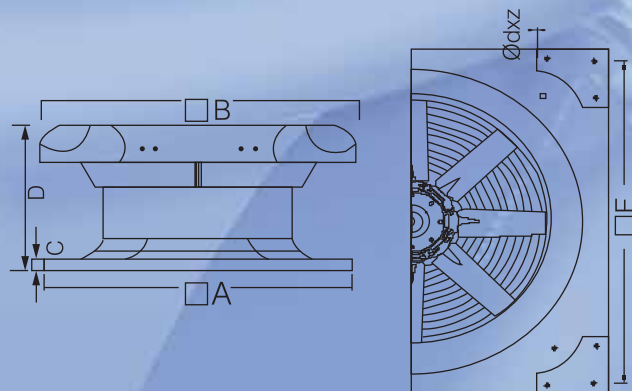
MODEL	MAX. AIR FLOW (m ³ /h)	WATT	SOUND (dBA)	AMPER	RPM (dk)	WEIGHT
28E/4.Ex	1700	0,15	70	0,80	1450	18
31E/4.Ex	2300	0,22	70	1,20	1450	24
35E/4.Ex	3500	0,32	75	2,10	1450	30
40E/4.Ex	4500	0,55	78	2,20	1450	46
45E/4.Ex	6800	1,00	83	2,20	1450	53
50E/4.Ex	9000	1,60	86	3,00	1450	65
56E/6.Ex	7800	0,65	74	4,00	1450	62
63E/6.Ex	11000	1,14	87	7,50	1450	92
71E/6.Ex	17000	2,60	86	1,10	1450	105

AIRFLOW PERFORMANCE DATA

MODEL	AIR FLOW PERFORMANCE DATA/ PA / (m ³ /h)								
	0	50	100	150	200	250	300	350	400
RDY 28E/4.Ex	1700	1500	1250	1000	-	-	-	-	-
RDY 31E/4.Ex	2300	2150	2000	1500	-	-	-	-	-
RDY 35E/4.Ex	3500	3100	2800	2400	2000	-	-	-	-
RDY 40E/4.Ex	4500	4100	3800	3500	3100	2800	2500	-	-
RDY 45E/4.Ex	6800	6500	6200	5900	5500	5100	4800	4300	4000
RDY 50E/4.Ex	9000	8750	8500	8250	8000	7500	7000	6500	6000
RDY 56E/6.Ex	7800	7000	6000	5000	4000	-	-	-	-
RDY 63E/6.Ex	11000	10000	9000	8000	7000	6000	-	-	-
RDY 71E/6.Ex	17000	16000	15000	14000	13000	12000	11000	10500	10000

DIMENSIONS

MODEL	DIMENSIONS / mm			
	□A	□B	C	D
RDY 28E/4.Ex	440	550	40	350
RDY 31E/4.Ex	440	650	40	350
RDY 35E/4.Ex	600	700	40	440
RDY 40E/4.Ex	700	700	50	650
RDY 45E/4.Ex	800	800	40	600
RDY 50E/4.Ex	900	900	40	600
RDY 56E/6.Ex	900	900	50	600
RDY 63E/6.Ex	1000	1000	50	650
RDY 71E/6.Ex	1250	1250	50	650



ACCESSORIES



If the car park has significant queuing areas for vehicles, refer to section 4.6 in AS1668.2:2012

Appendix

AS/NZS1668.2 - 2012 Calculation Factors

Parking Usage Factor (P)

Use of car park	Parking usage factor (P)
Residential	0.3
Commercial	0.5
Retail/food and drink services	0.7
Entertainment/sports centres	1.0
Vehicle Depots	2.4

Vehicle Type Factor (T)

Use of car park Parking	Vehicle type factor (T)
No special vehicle population	1.0
Diesel vehicles	2.4
LPG vehicles	1.0
CNG vehicles	1.0
Electric powered vehicles	0.1
Motorcycles	0.25

Staff Usage/Exposure Factor (E & F)

Parking procedure	Staff exposure factor (E)	Staff usage factor (F)
No special procedures (self-parking), any staff in separate enclosure ventilated in accordance with Clause 4.2.2	1	1
Self-parking stack parking, any staff in separate enclosure ventilated in accordance with Clause 4.2.2	1	$1 + 0.1 \times \text{No. of car spaces without immediate access to driveway}$
No special procedures (self-parking), staff located in car parking enclosure	1.8	2
Self parking stack parking, staff located in car parking enclosure	1.8	$2 + 0.25 \times \text{No. of car spaces without immediate access to driveway}$
Attendant parking no stack parking	1.8	$2.5 \times \text{No. of attendants}$
Attendant parking stack parking	1.8	$3.5 \times \text{No. of attendants}$
Mechanical stack parking	1.8	$2 \times \text{No. of car engines operating at any one time}$