



# BATTERY ROOM / EXPLOSION PROOF ATEX FANS EKAD Series



## APPLICATION

Duct fan (explosion proof)

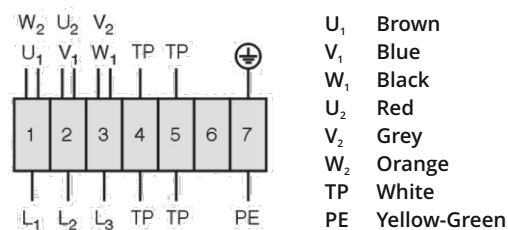
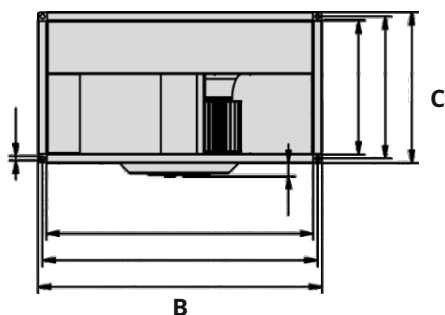
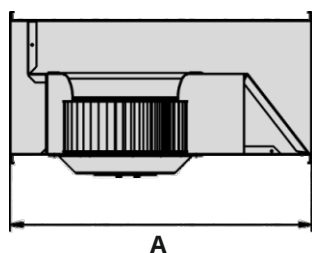
Equipment category 2 - Zone 1 Casings are made of galvanized sheet steel, formed as a rectangular duct for direct installation into air ducts. Standard flanges are installed on inlet and outlet side. This allows simple and quick connection to the duct section. Suitable for installation in any position. Single inlet impeller made of galvanized steel sheet with forward curved blades. Due to the high number of blades results in a sound optimized and at the same time compact design. Inlet cone made from copper. Voltage controllable explosion proof AC external rotor motor. Protection class Ip44.

Maintenance free ball bearings, closed on both sides with long-term lubrication. Motor coated black and/or die casted aluminum. Standard configuration with cable. Positive

Temperature Coefficient (PTC) thermistors in accordance to DIN 44082 are inlaid into the motor windings. To function as a protective motor switch, the PTC resistors must be connected to a triggering device with the identification Ex II(2)G. Isolation Class F. Ignition protection Ex eb or Ex db eb. Motorized Impeller statically and dynamically balanced according to DIN ISO 21940-11 at least with quality level G6.3.

The electrical connection via lead out connection cable. Fan complies with the guidelines required (Machinery-, ATEX- and EMC Directive) to comply with installation and conformity declaration as well as CE marking. Those fans are designed and manufactured to be operated in vaporous explosive atmosphere. They are marked in accordance with the ATEX directive 2014/34/EU: II 2G Ex h IIB T3 Gb X

## DIMENSIONS

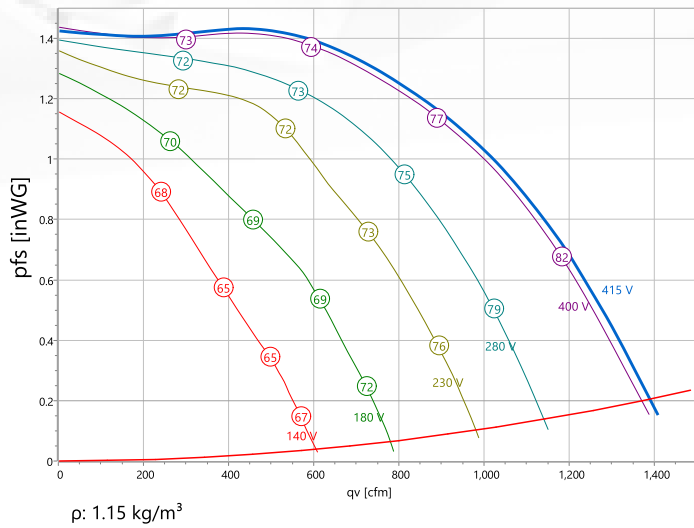


MODEL EKAD	A	B	C
250	560	540	385
280	680	640	370
315	700	640	390

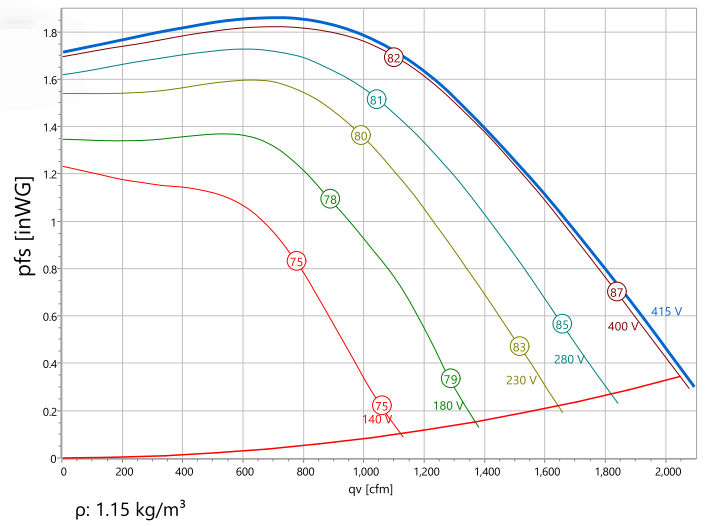
## SPECIFICATIONS

MODEL AM-EF	Voltage [V]	Power [W]	Current [A]	Frequency [Hz]	dBA	Temp	RPM	Weight [Kgs]	IP
250	400	0.75	1.4	50		40	1250	22.5	IP 44
280	400	1.5	3	50		40	1330	26.5	IP 44
315	400	2	4	50		40	1360	44.5	IP 44

### EKAD - 250



### EKAD - 280



### EKAD - 315

