

- Duct fans
- Circular
- Polypropylene
- Centrifugal fan
- AC 230 V



Plastic duct fans type RKA

Centrifugal plastic in line duct fan

Application

- **RKA** fans are designed to be built-in in circular ducts
- They are used for ventilation in many applications such as offices, restaurants, technical rooms or other
- The range consists of 6 sizes and 2 types and covers an air flow range up to 1700 m³/h
- Easy installation in any position

Composition

- Strong and heavily inflammable plastic casing with integrated terminal box
- High efficiency through guide vanes
- High reliability and long service life
- External-rotor motor with overheat protection
- Supply: 230Vac 1ph
- Protection: IP44
- Insulation class: B
- Backward curved centrifugal impeller
- **RKA100 – RKA315**: impeller made of plastic
- **RKA315L**: impeller made of coated sheet steel
- Very high efficiency
- Balanced according to DIN ISO 1940 standard
- **RKA** fans can be easily and precisely regulated by simply reducing the voltage.

Accessories

- Electronic controller type **MTY-1**
- Auto transformer type **BTRN-1**
- Wall console type **MRK**
- Clamping strip type **BMK**
- Safety grill type **BSV**

Order example

RKA 125 + MTY1 + MRK1

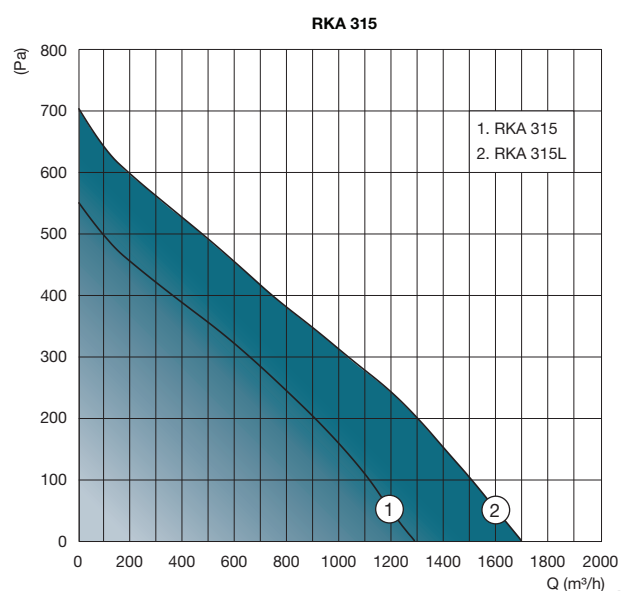
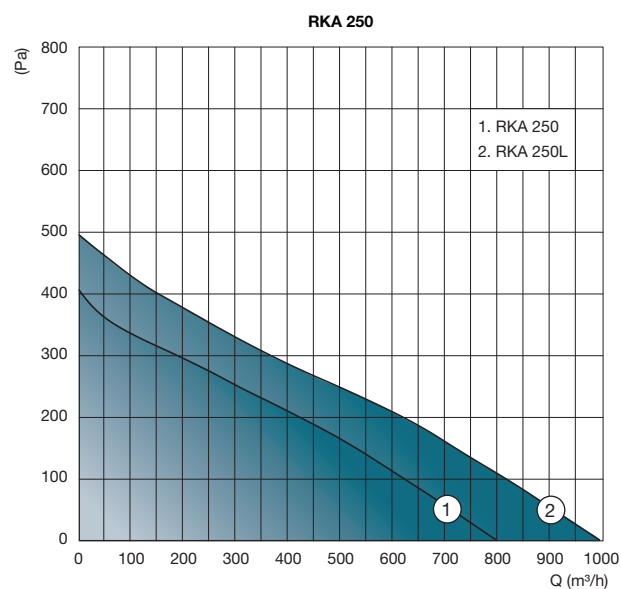
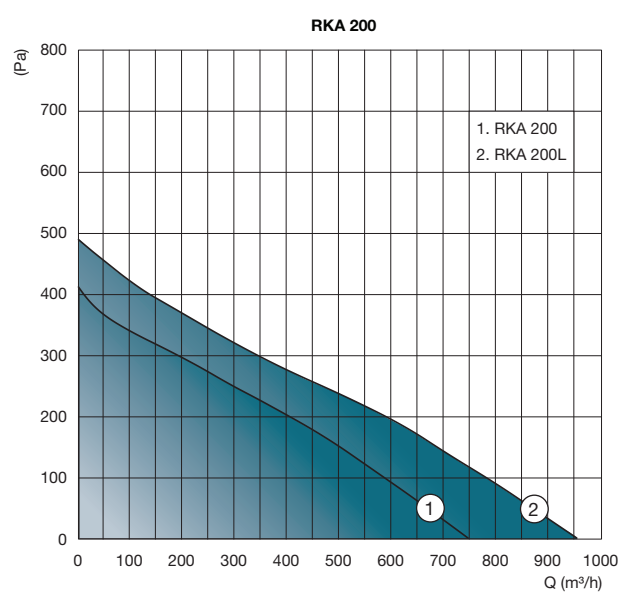
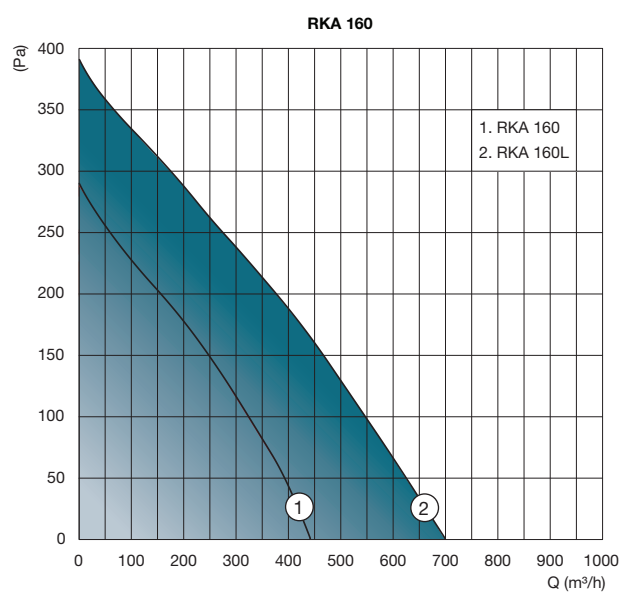
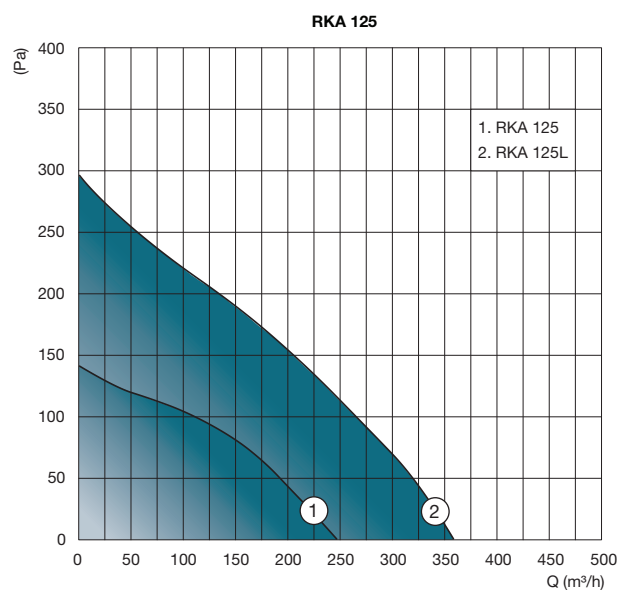
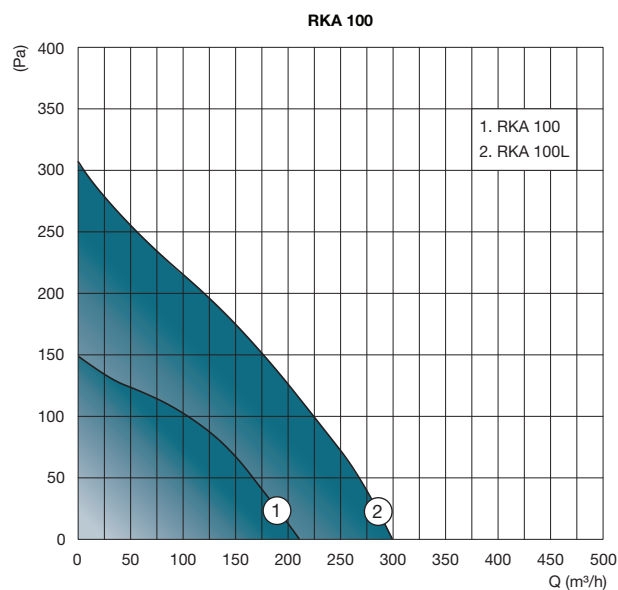
RKA: type of fan

125: diameter

MTY1: speed controller

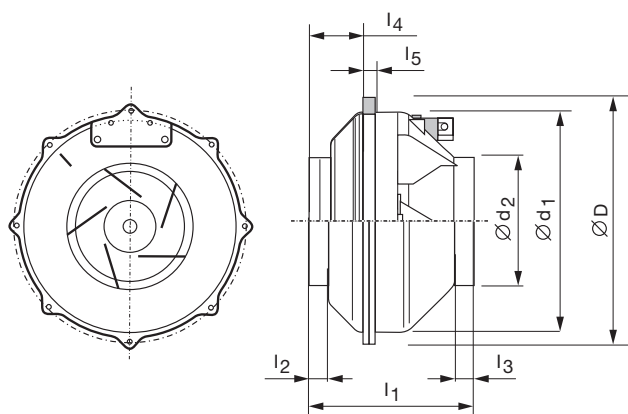
MRK1: console

Pressure loss graph



Technical data									
Type	Voltage [V]	Speed [rpm]	Power [W]	Current [A]	Transformer controller	Electronic controller	Capacitor [μF]	Tmax [°C]	Sound pressure level at 3m [dB(A)] Free field
RKA 100	230 / AC Mono	2500	24	0.11	BTRN-1-1	MTY-1*	1	45	35
RKA 100L	230 / AC Mono	2500	58	0.26	BTRN-1-1	MTY-1*	2	50	39
RKA 125	230 / AC Mono	2500	24	0.11	BTRN-1-1	MTY-1*	1	45	39
RKA 125L	230 / AC Mono	2350	58	0.26	BTRN-1-1	MTY-1*	2	50	44
RKA 160	230 / AC Mono	2400	58	0.26	BTRN-1-1	MTY-1*	2	50	44
RKA 160L	230 / AC Mono	2400	85	0.38	BTRN-1-1	MTY-1*	3	40	53
RKA 200	230 / AC Mono	2500	85	0.38	BTRN-1-1	MTY-1*	3	40	51
RKA 200L	230 / AC Mono	2550	130	0.57	BTRN-1-1	-	4	50	52
RKA 250	230 / AC Mono	2500	85	0.38	BTRN-1-1	MTY-1*	3	40	44
RKA 250L	230 / AC Mono	2550	130	0.51	BTRN-1-1	-	4	50	47
RKA 315	230 / AC Mono	2450	155	0.70	BTRN-1-1	-	5	50	48
RKA 315L	230 / AC Mono	2350	255	1	BTRN-1-2	-	7	40	50

*Caution: an electronic controller can produce a magnetic noise



Dimensions									
	l1 [mm]	l2 [mm]	l3 [mm]	l4 [mm]	l5 [mm]	Ø D [mm]	Ø d1 [mm]	Ø d2 [mm]	Kg
RKA 100	247	30	30	101	18	288	251	99	1.95
RKA 100L	247	30	30	101	18	288	251	99	1.95
RKA 125	247	30	30	101	18	288	251	124	2.05
RKA 125L	247	30	30	101	18	288	251	124	2.05
RKA 160	230	30	30	84	18	379	340	159	3.25
RKA 160L	230	30	30	84	18	379	340	159	3.80
RKA 200	230	30	30	84	18	379	340	199	3.80
RKA 200L	260	30	30	84	18	379	340	199	4.40
RKA 250	230	30	30	84	18	379	340	249	3.80
RKA 250L	260	30	30	84	18	379	340	249	4.40
RKA 315	275	30	30	106	18	452	404	314	5.40
RKA 315L	275	30	30	106	18	452	404	314	6.80