

**DESCRIPTION**

Marine mushroom-type axial-flow fans are destined for supply or exhaust of air containing explosive vapors or dusts from hazardous spaces of seagoing ships of unrestricted cruising area. They are provided with flame-proof motors of EExd class determined by IMO Class of dangerous substances that are expected in conveyed air. Fan housing made of steel is provided with drilled flange as well as wire mesh 13x13mm on the bottom. On the housing in way of impeller a brass ring is fitted. A radial gap between fan housing and impeller blade edge is 2-13mm depending on motor shaft bearing diameter. Fan impeller is made of sea-water aluminum alloy AK11 (silumin). Impeller blades screwed to the hub, impeller is dynamically balanced. Fan motor is marine executed as induction, squirrel cage, 3-phase, totally enclosed, enclosure IP56, 50 or 60Hz installation, flameproof, EExd class. Fan motor has no internal cooling. Surface treatment: hot-dip galvanized. For diagrams see WOGM data sheet.

MARKING

Example: WGN-Ex type fan, of nominal diameter DN=800mm, with 480mm impeller hub diameter, with 45° impeller blade angle: WGN 800/480-45°-Ex

**TECHNICAL SPECIFICATION & DIMENSIONS**

Fan type	Dimension [mm]										Weight* [kg]
	ØA	ØB	ØC	NxØD	E	F	G	H	J	K	
630	695	730	1200	16x14	12	185	330	950	10	5	200
710	775	810	1360	24x14	12	210	375	1080	10	5	270
800	865	900	1500	24x14	12	240	420	1200	10	5	340
900	965	1000	1700	32x14	12	270	470	1280	10	6	430
1000	1065	1100	1900	32x14	12	300	520	1350	10	6	520

*Weight without motor.

