

**DESCRIPTION**

Marine jet-cowl explosion-proof fans WGJ-Ex are destined for extraction 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 is made of steel and provided with drilled flange as well as wire mesh 13x13mm on the top. 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 are screwed to the hub, impeller is dynamically balanced. Fan motor is executed as marine, induction, squirrel cage, three-phase, totally enclosed, IP56. It is suitable for 50 or 60Hz installation, flameproof, EExd class. Surface treatment – hot-dip galvanized. Diagrams available on request.

MARKING

Example: WGJ-Ex type fan of nominal diameter DN=630mm, with 440mm impeller hub diameter, with 45° impeller blade angle: WGJ 630/440-45°-Ex

TECHNICAL SPECIFICATION & DIMENSIONS

Fan type	Dimensions [mm]										Weight [kg]
	DN	ØA	ØB	ØC	NxØD	E	ØF	G	H	L	
250	250	310	340	450	8x12	10	315	270	145	620	58
315	315	370	405	560	12x12	10	400	340	182	780	75
400	400	460	490	700	12x12	10	500	430	232	980	108
500	500	560	590	840	16x12	12	630	540	290	1110	167
560	560	640	690	930	16x14	12	710	605	325	1240	202
630	630	695	730	1050	16x14	12	800	680	365	1400	251
710	710	775	810	1140	24x14	12	900	765	410	1450	278
800	800	865	900	1280	24x14	12	1000	865	465	1700	365
1000	1000	1065	1100	1600	32x14	12	1250	1080	580	2100	690

