

**DESCRIPTION**

Marine mushroom-type WGM fans are destined to operation in ventilation systems of seagoing ships with unrestricted cruising area as well as offshore objects. They may be used exclusively as exhaust fans and be installed on the weather decks.

Working parameters of fans are shown on enclosed performance curves $P_t=f(V)$ with respect to inert gas of specific density $\rho=1,2\text{kg/m}^3$ and temperature $t=20^\circ\text{C}$, where:

$P_t(\text{Pa})$ - fan total pressure,

$V(\text{m}^3/\text{s})$ - air displacement.

On curves the points of maximum fan efficiency have been marked. Allowable tolerances of working parameters of fans (air displacement, pressure, power consumption and efficiency) are in accordance with standard PN-77/M-43021. Temperature of conveyed medium should not exceed $+45^\circ\text{C}$, dust contents $0,15\text{g/m}^3$. Surface treatment – hot-dip galvanized. Housing of WGM fans is made of carbon steel, impeller is made of sea water resistant aluminum alloy. Electric motor is executed in marine version as induction, squirrel-cage, three-phase. It is suitable for 50 or 60Hz electric installation. Fans in explosion-proof execution are provided with impeller made of brass.

MARKING

Example: WGM type fan of diameter 200m: WGM-200

TECHNICAL SPECIFICATION & DIMENSIONS

Fan type	Dimensions [mm]										Weight* [kg]
	ØA	ØB	ØC	E	F	G	H	J	K	NxØD	
160	220	250	350	195	10	60	445	5	3	8x12	14
200	260	290	440	240	10	70	490	5	3	8x12	22
250	310	340	540	300	10	90	610	6	3	8x12	38
315	370	405	680	380	10	120	800	6	3	12x12	46
400	460	490	880	480	10	140	1040	6	4	12x12	61
500	560	590	1100	600	12	180	1160	8	4	16x12	76
630	695	730	1360	760	12	240	1350	8	4	16x14	96
710	775	810	1540	860	12	260	1570	8	4	24x14	108
800	865	900	1730	960	12	280	1800	8	5	24x14	122
1000	1065	1100	2200	1200	12	360	2180	8	5	32x13	152

* Weight of fan without motor.





