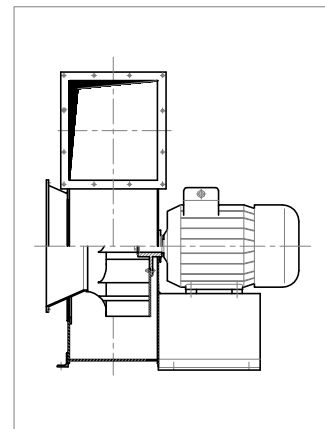
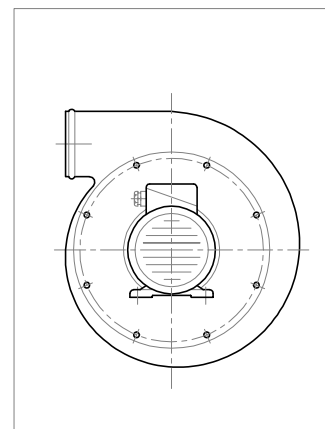


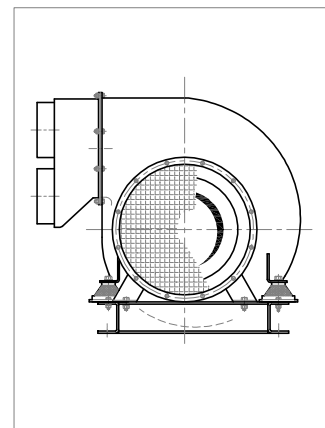
Centrifugal fans WPM



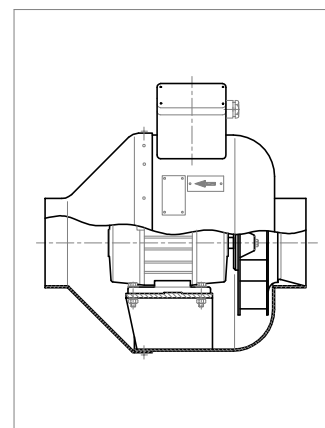
Centrifugal fans WPMA



Centrifugal fans WPM/R



Duct fans WMR



1. DESTINATION

Marine centrifugal fans WPM are destined for operation in the ventilation systems of seagoing ships with unrestricted cruising area as well as offshore objects. They may be used as exhaust or supply fans and be installed inside the compartments.

WPM fans are of compact, sturdy construction and equipped with high-efficient impeller with backward-curved blades.

2. OPERATING CONDITIONS

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 $t= 20\text{ deg.C}$, where:

- P_t (Pa) - fan total pressure
- $V(\text{m}^3/\text{s})$ - air displacement

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 deg.C, dust contents $0,3\text{ g/m}^3$.

3. CONSTRUCTION

- housing : made of carbon steel
 - impeller : made of sea water resistant aluminium alloys.
 - electric motor : induction, squirrel-cage. three-phase, in marine execution, suitable for 50 or 60 Hz electric installation.
- All the motors are of high-efficiency IE2 class "GREEN responsibility".
- Smaller motors are coupled directly to fan casings, larger fitted on supporting pedestal (see dimension drawing).

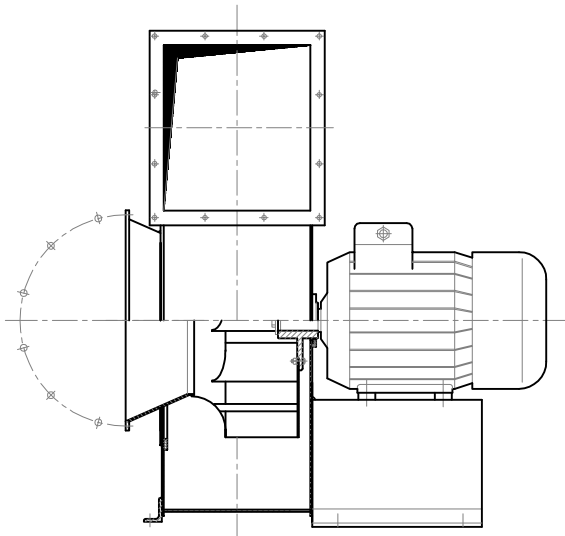
Fans in explosion-proof execution are fitted with brass lining on inner surface of housing in way of impeller.

On request fans may be supplied with flanged flexible connections for inlet and/or outlet and set of shock absorbers.

4. SURFACE TREATMENT

Standard treatment - hot-dip galvanized.

On request fans may be painted with marine paints set agreed with the Buyer.



5. SIZES OF FANS

- nominal diameters :

DN=125	DN=250
DN=160	DN=315
DN=200	DN=400
	DN=450
- impeller speed

1 - 1450 min^{-1}	(50 Hz)
2 - 2900 min^{-1}	(50 Hz)
3 - 1750 min^{-1}	(60 Hz)
4 - 3500 min^{-1}	(60 Hz)
- positions LO, PO, L2, P2, L4, P4, L6, P6
- executions ordinary (without sign)
Ex - non-sparking

6. MARKING

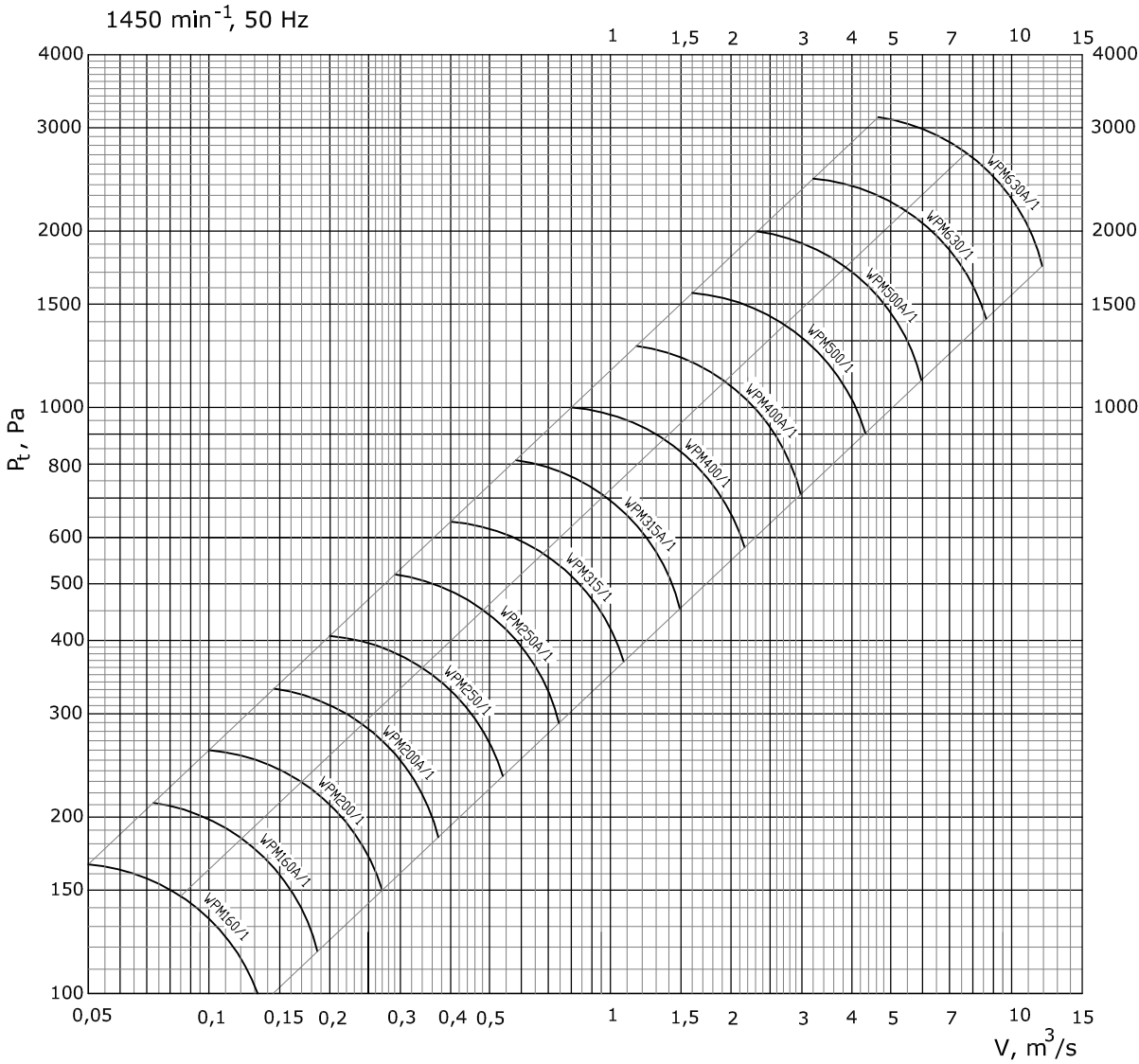
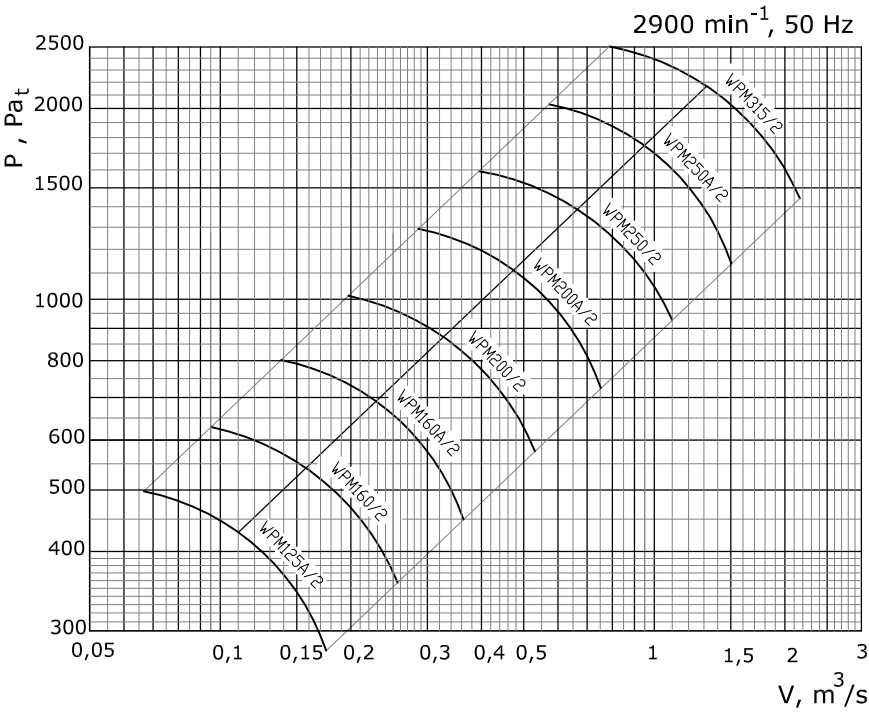
of marine centrifugal fan WPM type of nominal diameter DN=160, impeller speed 3500 min^{-1} and LO position:

CENTRIFUGAL FAN WPM 160/4-LO

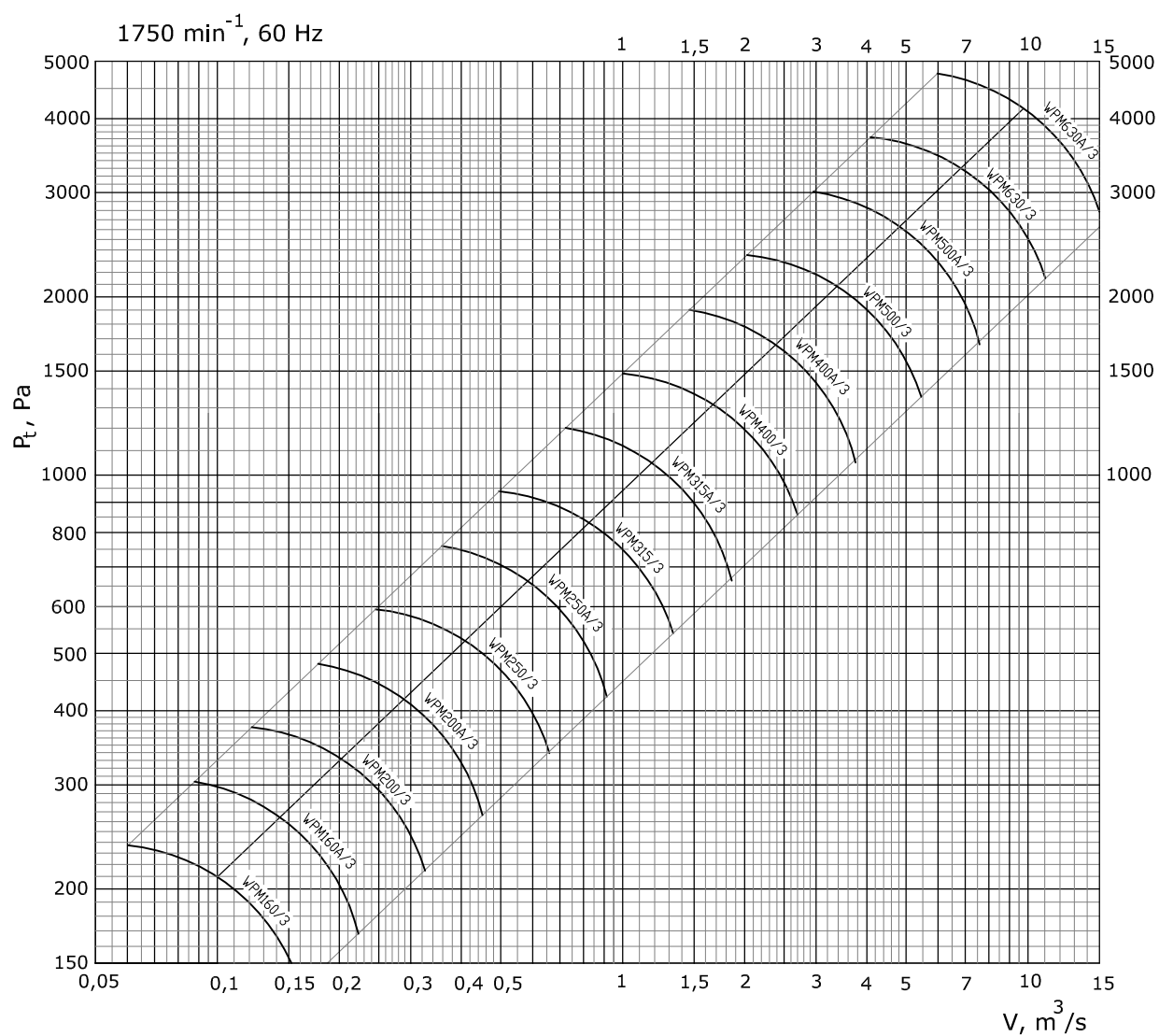
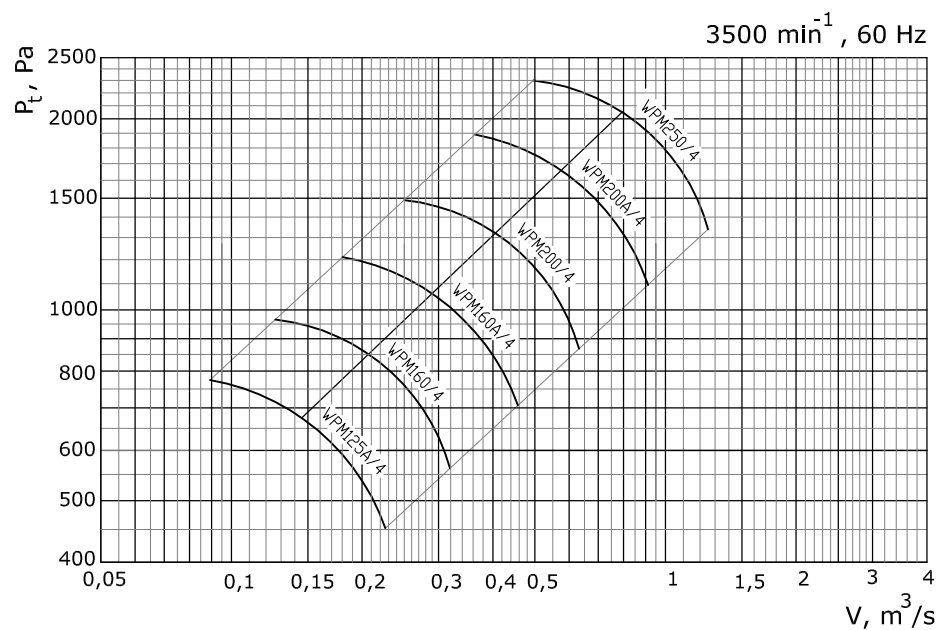
7. TECHNICAL DATA OF WPM FANS IN POINT OF MAXIMUM EFFICIENCY:

Fantype	Airflow	Total pressure	Impeller speed	Maximum efficiency	Power demand	Maximum noise level	Motortype	Motor rated power	Supply	Motor design	Fan total weight
	$\frac{m^3}{s}$	Pa	min^{-1}		kW	dB(A)		kW	V/Hz		kg
WPM 160/1	0,085	145	1340	0,80	0,02	71	mSTg56-4A	0,09	3x380 50	B5	14
WPM 160A/1	0,12	185	1340	0,77	0,04	73	mSTg56-4A	0,09		B5	15
WPM 200/1	0,17	230	1400	0,80	0,06	78	mSKg71-4A	0,25		B5	30
WPM 200A/1	0,24	290	1400	0,78	0,11	79	mSKg71-4A	0,25		B5	34
WPM 250/1	0,34	360	1400	0,80	0,18	84	mSKg71-4A	0,25		B5	39
WPM 250A/1	0,49	450	1420	0,78	0,33	85	mSKg80-4A	0,55		B5	42
WPM 315/1	0,69	565	1420	0,78	0,56	92	mSKg80-4B	0,75		B5	65
WPM 315A/1	0,97	705	1420	0,76	1,00	93	mSSkf90-L4	1,5		B5	67
WPM 400/1	1,37	880	1430	0,77	1,88	98	mSSf100L-4A	2,2		B3	109
WPM 400A/1	1,92	1100	1435	0,77	3,30	99	mSSf112M-4	4,0		B3	122
WPM 500/1	2,67	1370	1460	0,77	5,73	104	mSSf132M-4	7,5		B3	212
WPM 500A/1	3,75	1700	1435	0,76	9,94	105	mSSf160M-4	11		B3	235
WPM 630/1	5,35	2180	1465	0,77	18,2	109	mSSf180L-4	22		B3	405
WPM 630A/1	7,5	2710	1475	0,76	31,4	111	mSSf225S-4	37		B3	520
WPM 125A/2	0,11	435	2800	0,80	0,08	84	mSKg63-2B	0,25		B5	13
WPM 160/2	0,16	540	2800	0,81	0,16	87	mSKg71-2A	0,37		B5	16
WPM 160A/2	0,23	690	2820	0,79	0,32	90	mSKg71-2B	0,55		B5	18
WPM 200/2	0,33	870	2820	0,81	0,46	94	mSKg71-2B	0,55		B5	31
WPM 200A/2	0,47	1120	2820	0,79	0,88	96	mSKg80-2B	0,95		B5	34
WPM 250/2	0,66	1380	2860	0,80	1,4	99	mSSf90-L2	2,2		B3	50
WPM 250A/2	0,95	1750	2910	0,78	2,64	101	mSSf100L-2	3,0		B3	67
WPM 315/2	1,32	2170	2910	0,78	4,46	105	mSSf132S-2A	5,5		B3	136
WPM 160/3	0,10	210	1610	0,80	0,035	73	mSTg56-4B	0,11	3x440 60	B5	14
WPM 160A/3	0,14	265	1610	0,77	0,07	76	mSTg56-4B	0,11		B5	15
WPM 200/3	0,20	335	1700	0,80	0,10	82	mSKg71-4A	0,29		B5	30
WPM 200A/3	0,29	415	1700	0,78	0,19	84	mSKg71-4A	0,29		B5	32
WPM 250/3	0,41	525	1720	0,80	0,31	88	mSKg80-4A	0,64		B5	37
WPM 250A/3	0,58	660	1720	0,78	0,57	89	mSKg80-4B	0,87		B5	44
WPM 315/3	0,83	830	1710	0,78	0,97	96	mSSkf90-S4	1,25		B5	70
WPM 315A/3	1,18	1040	1720	0,76	1,73	97	mSSf100L-4A	2,4		B3	81
WPM 400/3	1,65	1310	1720	0,77	3,25	103	mSSf132S-4	3,4		B3	114
WPM 400A/3	2,38	1660	1755	0,77	5,71	104	mSSkf90-S4	6,0		B3	163
WPM 500/3	3,35	2080	1750	0,77	9,90	109	mSSf160M-4	13,2		B3	212
WPM 500A/3	4,80	2620	1750	0,76	17,1	110	mSSf160L-4	18		B3	260
WPM 630/3	6,82	3300	1760	0,77	31,4	114	mSSf200L-4	36		B3	495
WPM 630A/3	9,60	4100	1770	0,76	53,6	116	mSSf225M-4	54		B3	545
WPM 125A/4	0,146	675	3400	0,79	0,14	88	mSKg63-2B	0,29		B5	13
WPM 160/4	0,21	850	3400	0,80	0,28	90	mSKg71-2A	0,43		B5	16
WPM 160A/4	0,29	1060	3400	0,78	0,56	92	mSKg71-2B	0,64		B5	18
WPM 200/4	0,41	1320	3400	0,80	0,8	98	mSg80-2B	1,3		B3	34
WPM 200A/4	0,58	1660	3450	0,78	1,52	100	mSSf90-L2	2,6		B3	45
WPM 250/4	0,79	2050	3500	0,80	2,42	104	mSSf100-L2	3,6		B3	60

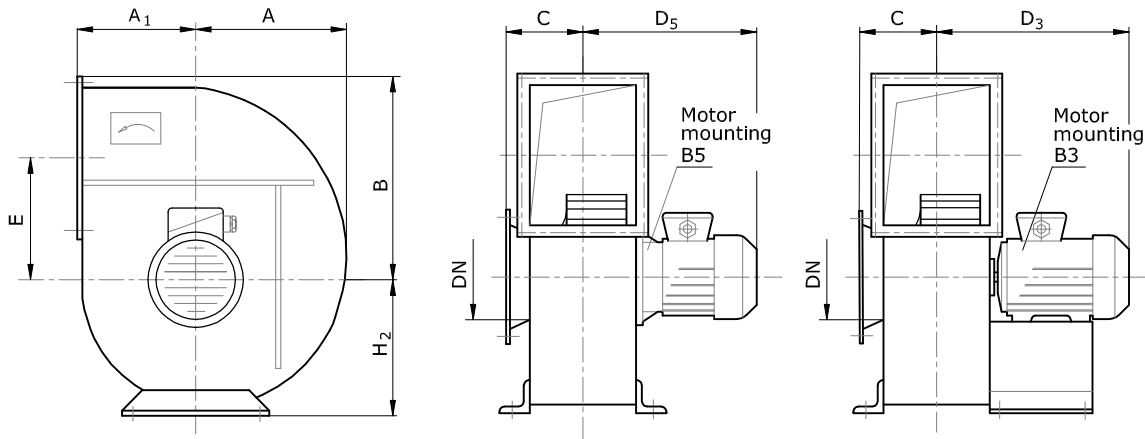
8. PERFORMANCE CURVES
50 Hz



9. PERFORMANCE CURVES 60 Hz

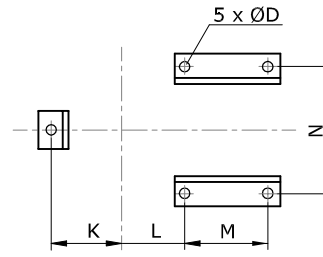
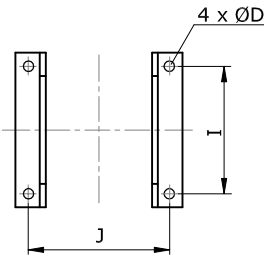
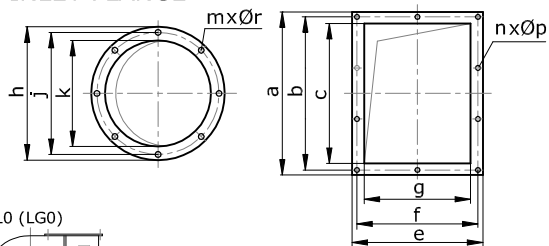


10. DIMENSION DRAWING



INLET FLANGE

OUTLET FLANGE



FAN FIGURES

View from driving end

Fan type	WPM 125A	WPM 160	WPM 160A	WPM 200	WPM 200A	WPM 250	WPM 250A	WPM 315	WPM 315A	WPM 400	WPM 400A	WPM 500	WPM 500A	WPM 630	WPM 630A
DN	125	160		200		250		315		400		500		630	
A	170	216		270		335		420		535		667		840	
A ₁	125	160		200		245		310		390		486		612	
B	210	262		327		402		505		632		780		980	
C	90	100	110	120	130	150	165	190	205	240	260	300	325	380	410
D ₃	-	-	-	320	330	420	450	520	465	490	580	720	780	890	960
D ₅	230	275	285	300	310	320	350	390	420	500	-	-	-	-	-
E	117	150		187		234		295		374		467		588	
H ₀	175	225		275		345		430		540		680		960	
H ₂	150	190		240		295		370		470		580		730	
H ₄	130	165		210		260		315		400		500		630	
H ₆	210	265		330		420		510		650		790		995	
I	160	200		250		315		400		500		-		-	
J	164	180	196	214	234	266	290	308	338	382	412	-	-	-	-
K	-	-	-	112	123	133	146	158	173	190	210	235	248	295	310
L	-	-	-	110	120	130	143	150	165	185	200	240	253	305	320
M	-	-		150		200		200		250		340		450	
N	-	-		250		315		400		500		620		780	
ØD	12	12		12		15		15		15		15		18	
a	184	224		280		336		420		516		626		772	
b	166	206		260		316		396		492		600		746	
c	140	180		225		280		355		450		558		704	
e	170	172	186	216	236	256	282	316	336	382	422	468	494	568	594
f	152	154	169	196	216	236	262	292	322	358	398	444	470	544	570
g	120	125	140	160	180	200	225	250	280	315	355	400	425	500	530
h	200	225		280		370		440		540		660		820	
j	180	210		260		340		410		510		630		790	
k	160	190		240		306		380		480		600		756	
n x Øp	4 x Ø7	8 x Ø7		8 x Ø9		10 x Ø9		10 x Ø9		16 x Ø9		18 x Ø9		24 x Ø9	
m x Ør	6 x Ø7	8 x Ø7		8 x Ø9		8 x Ø9		12 x Ø9		16 x Ø9		16 x Ø9		24 x Ø9	

1. DESTINATION

Aluminium marine centrifugal fans WPMA are destined for operation in ventilation and airconditioning systems of seagoing vessels and offshore objects.

2. OPERATING CONDITIONS

Operating data of fans are presented on enclosed enclosed performance curves $P_t=f(V)$, where:

P_t - total pressure, Pa

V - airflow, m^3/s

Allowable tolerances of operating conditions (airflow, pressure, power consumption and efficiency) as per standard PN-77/M-43021. Temperature of conveyed medium must not exceed $+45^\circ C$, dust contents $0,15 g/m^3$.

3. CONSTRUCTION

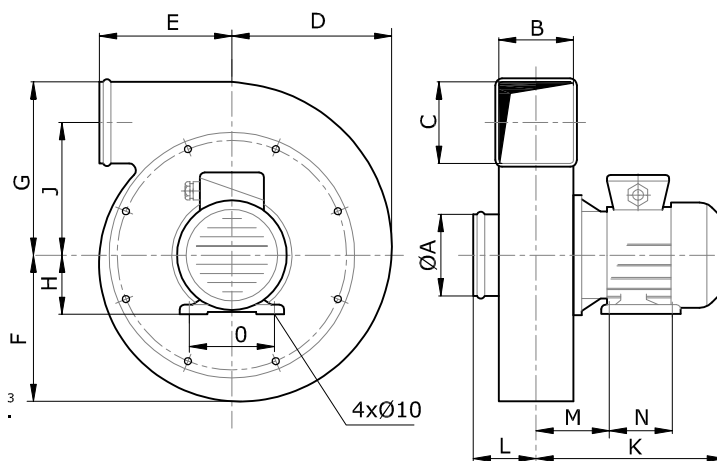
Housing and impeller of WPMA fans are made of sea water resistant aluminium alloy, welded.

Electric motor induction type, squirrel cage, 3-phase, in marine execution. Supply 50 or 60 Hz.

All the motors are of high-efficiency IE2 class "GREEN responsibility".

4. SIZES AND TYPES

- nominal diameters: DN=140 mm, DN=160 mm
- type of impeller: 1, 2 - see reference No at curve
- positions: LO, PO, L2, P2, L4, P4, L6, P6



WPMA	A	B	C	D	E	F	G	H	J	K	L	M	N	O
	mm													
140/1	140	100	120	235	195	215	255	71	195	245	90	100	90	112
140/2	140	100	120	235	195	215	255	80	195	270	90	105	100	125
160/1	160	110	160	270	218	244	296	90	216	315	95	117	100	140
140/1	140	100	120	235	195	215	255	80	140	250	90	105	100	125
140/2	140	100	120	235	195	215	255	90	140	310	90	110	100	140
160/1	160	110	160	270	218	244	296	90	216	340	95	117	125	140

5. MARKING

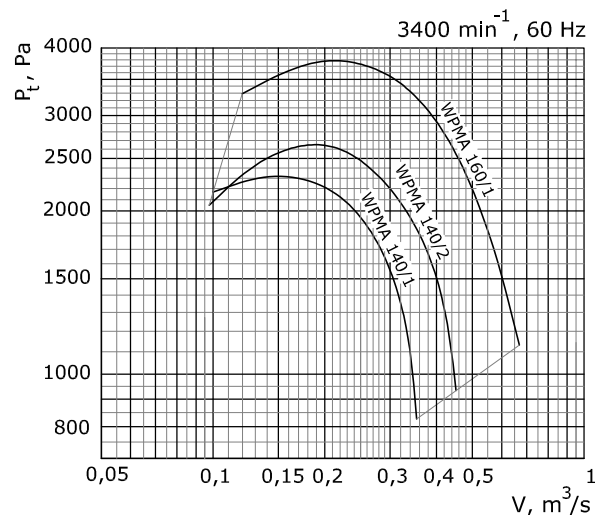
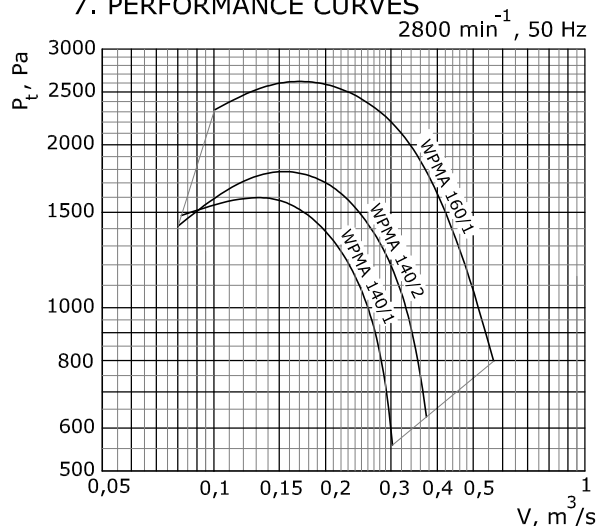
of marine aluminium centrifugal fan WPMA
of nominal diameter 140 mm, with type1 impeller
and position LO:

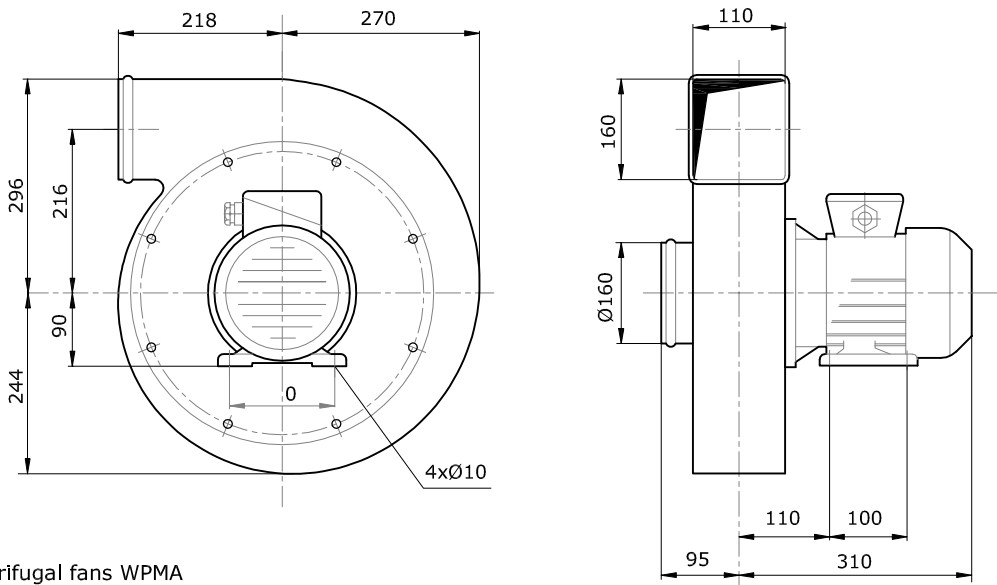
CENTRIFUGAL FAN WPMA-140/1-LO

6. TECHNICAL DATA

Fantype	Airflow	Total pressure	Impeller speed	Maximum efficiency	Power demand	Max. noise level	Motortype	Motor rated power	Supply	Weight
	m^3/s	Pa	min^{-1}		kW	dB(A)		kW	V/Hz	kg
WPMA 140/1	0,10	1500	2820	0,79	0,43	90	mSLg71-2B	0,55	$\frac{3 \times 380}{50}$	11,9
WPMA 140/2	0,25	1500	2780	0,80	0,63	94	mSLg80-2A	0,75		13,7
WPMA 160/1	0,33	2000	2835	0,79	1,12	96	mSh90S-2	1,5		21,3
WPMA 140/1	0,12	2160	3400	0,80	0,75	96	mSLg80-2B	1,1	$\frac{3 \times 440}{60}$	16,8
WPMA 140/2	0,30	2160	3440	0,80	1,15	98	mSh90S-2	1,7		21,3
WPMA 160/1	0,40	2880	3455	0,79	1,90	101	mSh90L-2	2,5		24,3

7. PERFORMANCE CURVES





1. DESTINATION

Aluminium marine centrifugal fans WPMA are destined for operation in ventilation and airconditioning systems of seagoing vessels and offshore objects.

2. OPERATING CONDITIONS

Operating data of fans are presented on enclosed enclosed performance curves $P_t=f(V)$, where:

P_t - total pressure, Pa
 V - airflow, m^3/s

Allowable tolerances of operating conditions (airflow, pressure, power consumption and efficiency) as per standard PN-77/M-43021. Temperature of conveyed medium must not exceed $+45\text{ }^{\circ}\text{C}$, dust contents $0,15\text{ g/m}^3$.

3. POSITIONS

- positions: LO, PO, L2, P2, L4, P4, L6, P6

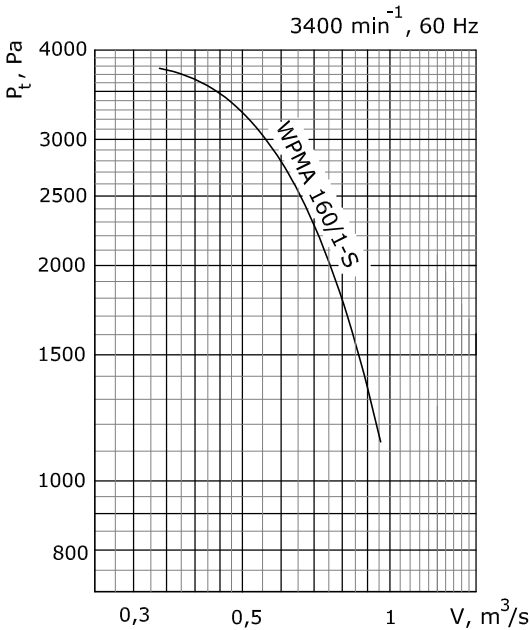
4. CONSTRUCTION

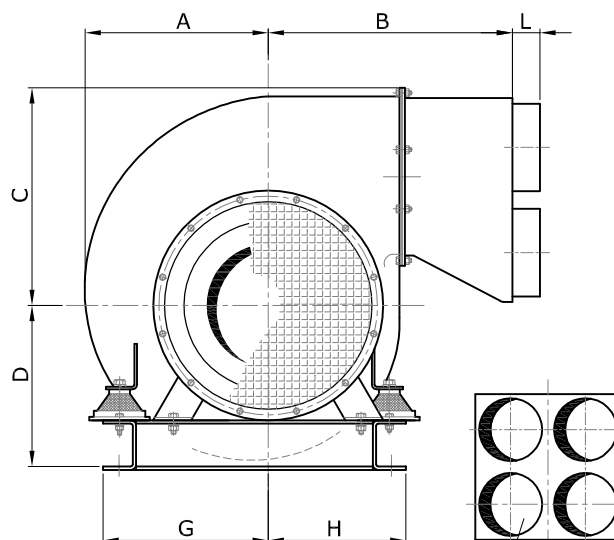
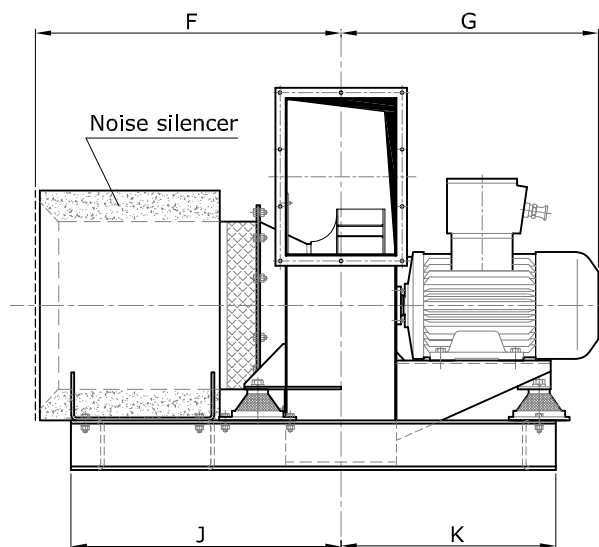
Housing and impeller of WPMA fans are made of sea water resistant aluminium alloy, welded.
Electric motor induction type, squirrel cage, 3-phase, in marine execution. Supply 50 or 60 Hz.
All the motors are of high-efficiency IE2 class "GREEN responsibility".

5. TECHNICAL DATA

Fantype	Airflow	Total pressure	Impeller speed	Maximum efficiency	Power demand	Max. noise level	Motortype	Motor rated power	Supply	Weight
	m^3/min	Pa	min^{-1}		kW	dB(A)		kW	V/Hz	kg
WPMA 160/1-S	0,5	3300	3455	0,79	0,95	92	mSh90S-2	1,7	$\frac{3 \times 440}{60}$	23,5

6. PERFORMANCE CURVE





Studs for spiral
pipes connect.
4xØ160 or other
on request

	WPM/R- 200	WPM/R- 250
A	270	340
B	400	445
C	325	445
D	260	300
F	440	555
G	395	470
H	200	250
J	400	490
K	300	390
L	50	50
Weight, kg	92	122

1. DESTINATION

Marine centrifugal fans WPM/R are destined for recirculation of air in Ro-Ro holds, Engine Rooms etc. They are provided with distributing box with studs for connection of spiral ductwork terminated with diffuser nozzles (e.g. system Dirivent or similiar).

2. OPERATING CONDITIONS

See Catalogue Card of Alwo/C1-01 of marine centrifugal fans.

3. CONSTRUCTION

Marine centrifugal fans WPM/R consist of marine centrifugal fan WPM, noise silencer with protecting wire guard 13x13 mm wire guard fitted on the inlet and the distributing box with studs for connection of spiral pipes on outlet. Fan is resiliently seated on foundation frame by means of rubber shock absorbers. Electric motor in marine execution, explosion proof on request.

All the motors are of high-efficiency IE2 class "GREEN responsibility".

4. SURFACE TREATMENT

Standard treatment - hot-dip galvanized.

On request fans may be painted with marine paints set agreed with the Buyer.

5. SIZES OF FANS

- nominal diameters : DN=200 DN=250

- positions L - left, shown on the drawing
R - mirror view

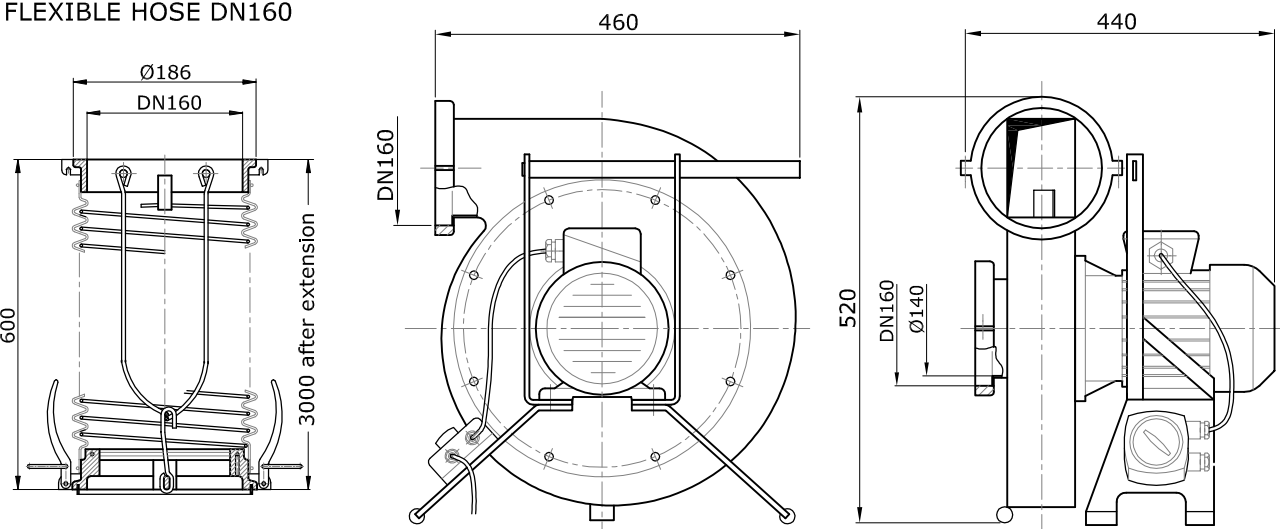
- executions ordinary (without sign)
Ex - non-sparking

6. MARKING

of marine recirculation centrifugal fan WPM /R type of nominal diameter DN=200, ileft position L and in Ex non-sparking execution:

CENTRIFUGAL FAN WPM/R-200-L-Ex

FLEXIBLE HOSE DN160



1. DESTINATION

Marine aluminium portable centrifugal fans WPMA/P-140 are destined for supply or extract of air from spaces of seagoing ships or offshore object, that are not provided with forced ventilation system.

2. OPERATING CONDITIONS

Operating data of fans are presented on enclosed performance curves $P = f(V)$, where:

P_t - total pressure, Pa
 V - airflow, m^3/s

Allowable tolerances of operating conditions (airflow, pressure, power consumption and efficiency) as per standard PN-77/M-43021. Temperature of conveyed medium must not exceed $+45^\circ C$, dust contents $0,15 g/m^3$.

3. CONSTRUCTION

Housing and impeller of WPMA/P fans are made of sea water resistant aluminium alloy, welded.

Electric motor induction type, squirrel cage, 3-phase, in marine execution. Electric supply 50 or 60 Hz.

All the motors are of high-efficiency IE2 class "GREEN responsibility".

Fans are provided with WPD-381 start/stop switch and 20 m long supply cable without terminal connector.

4. MARKING

of marine portable aluminium centrifugal fan WPMA/P-140 destined for operation in 50 Hz electrical installation:

CENTRIFUGAL FAN WPMA/P-140-50 Hz

5. ACCESSORIES

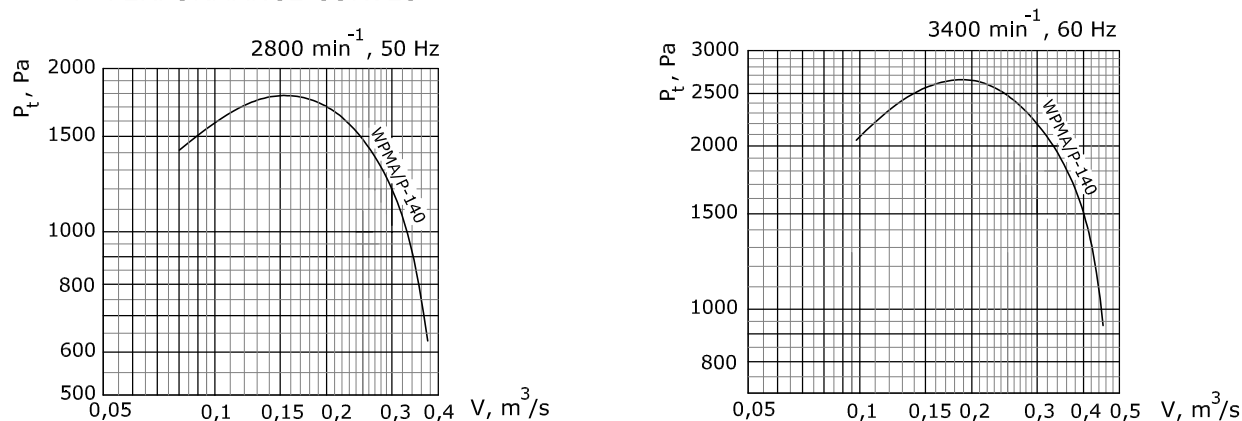
Storage aluminium box (standard outfitting).

DN160 flexible hoses, number of hoses to be specified by the Customer at Order.

6. TECHNICAL DATA

Fantype	Airflow	Total pressure	Impeller speed	Maximum efficiency	Power demand	Max. noise level	Motortype	Motor rated power	Supply	Weight
	m^3/s	Pa	min^{-1}		kW	dB(A)		kW	V/Hz	
WPMA 140/2	0,25	1500	2780	0,80	0,63	94	mSLg80-2A	0,75	$\frac{3 \times 380}{50}$	13,7
WPMA 140/2	0,30	2160	3440	0,80	1,15	98	mSh90S-2	1,7	$\frac{3 \times 440}{60}$	21,3

7. PERFORMANCE CURVES



1. DESTINATION

Marine high-pressure centrifugal fans WPM-F are destined for operation in ventilation and airconditioning systems of seagoing vessels, navy ships and offshore objects. Suitable for ventilation arrangements with fine filters.

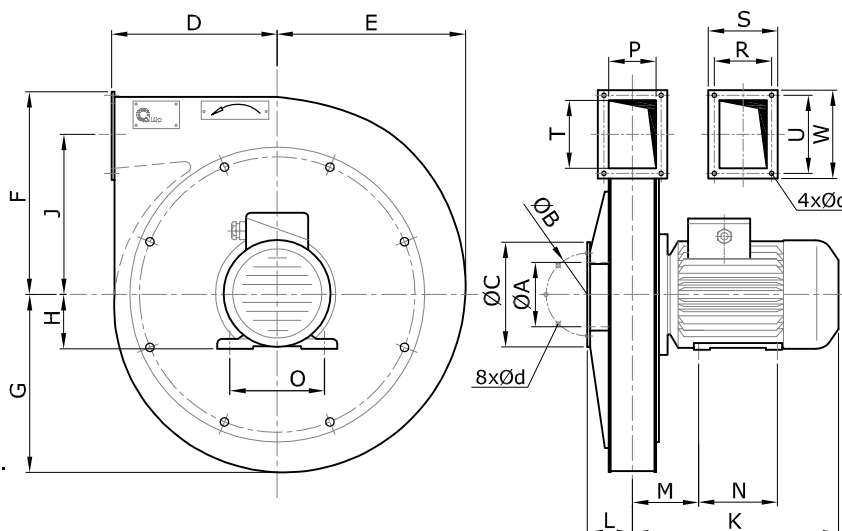
2. OPERATING CONDITIONS

Operating data of fans are presented on enclosed performance curves $P = f(V)$, where:

P_t - total pressure, Pa

V - airflow, m^3/s

Allowable tolerances of operating conditions (airflow, pressure, power consumption and efficiency) as per standard PN-77/M-43021. Temperature of conveyed medium must not exceed $+45^\circ C$, duct contents $0,15 g/m^3$.



WPM		A	B	C	D	d	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U	W
		mm																				
112F	50 Hz	112	136	162	288	7	323	357	232	90	276	310	82	106	100	112	80	104	130	112	136	162
125F		125	150	175	300	7	342	362	316	100	291	370	82	120	140	160	80	104	130	118	142	168
224F		224	248	274	297	7	373	435	330	132	310	460	112	170	140	216	140	164	190	200	224	120
112F	60 Hz	112	136	162	288	7	323	357	232	90	276	340	82	106	125	112	80	104	130	112	136	162
140/2		125	150	175	300	7	342	362	316	100	291	390	82	127	140	160	80	104	130	118	142	168
224F		224	248	274	297	7	373	435	330	132	310	500	112	170	140	216	140	164	190	200	224	120

3. CONSTRUCTION

Housing and impeller of WPM-F fans are made of carbon steel, welded, painted.

Hot-dip galvanised available on request.

Electric motor induction type, squirrel cage, 3-phase, in marine execution. Supply 50 or 60 Hz.

All the motors are of high-efficiency IE2 class "GREEN responsibility".

4. SIZES AND TYPES

- nominal diameters: DN=112, DN=125 and DN=224

- figures: LO, PO, L2, P2, L4, P4, L6, P6

5. MARKING

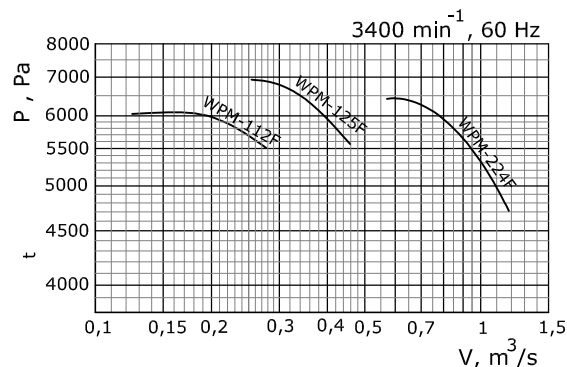
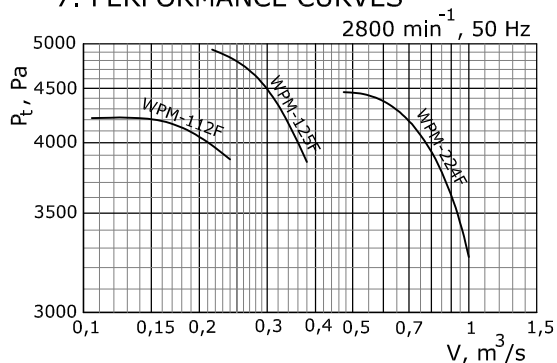
of marine high-pressure centrifugal fan WPM-F of nominal diameter 112 mm, of figure LO:

CENTRIFUGAL FAN WPM-112F

6. TECHNICAL DATA

Fantype	Airflow	Total pressure	Impeller speed	Maximum efficiency	Power demand	Max. noise level	Motortype	Motor rated power	Supply	Weight
	m^3/s	Pa	min^{-1}		kW	dB(A)		kW	V/Hz	kg
WPM-112F	0,20	4000	2850	0,72	1,21	86	mSLf90S-2	1,5	$\frac{3 \times 380}{50}$	45
WPM-125F	0,25	4780	2890	0,76	2,16	90	mSLf100L-2	3,0		52
WPM-224F	0,61	4300	2920	0,84	4,34	92	mSLf132S-2A	5,5		107
WPM-112F	0,24	5760	3420	0,72	2,09	90	mSLf90L-2	2,6	$\frac{3 \times 440}{60}$	48
WPM-125F	0,30	6880	3490	0,76	3,67	94	mSLf112M-2	4,8		61
WPM-224F	0,73	6190	3500	0,83	7,49	97	mSLf132S-2B	9,0		133

7. PERFORMANCE CURVES



DESIGNATION

Marine duct fans WMR type are destined for operation in ventilation systems of seagoing of unrestricted cruising area as well as offshore objects.

In comfort spaces the resilient mounts of WMR fans, ALWO/N7-00, is recommended.

OPERATING CONDITIONS

Temperature of conveyed medium must not exceed +45 C, dust contents 0,3 g/m³

CONSTRUCTION

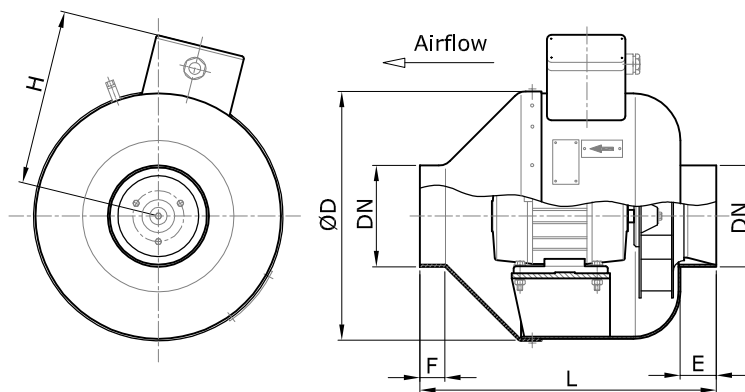
Casing and impeller of WMR fans are made of PA2 aluminium sheets, welded. On the casing a terminal box with G20 cable gland, for feeding cable connection, is fitted.

Electric motor: induction, squirrel-type, 3-phase, of IP55

enclosure, in marine execution.

All the motors are of high-efficiency IE2 class

"GREEN responsibility".

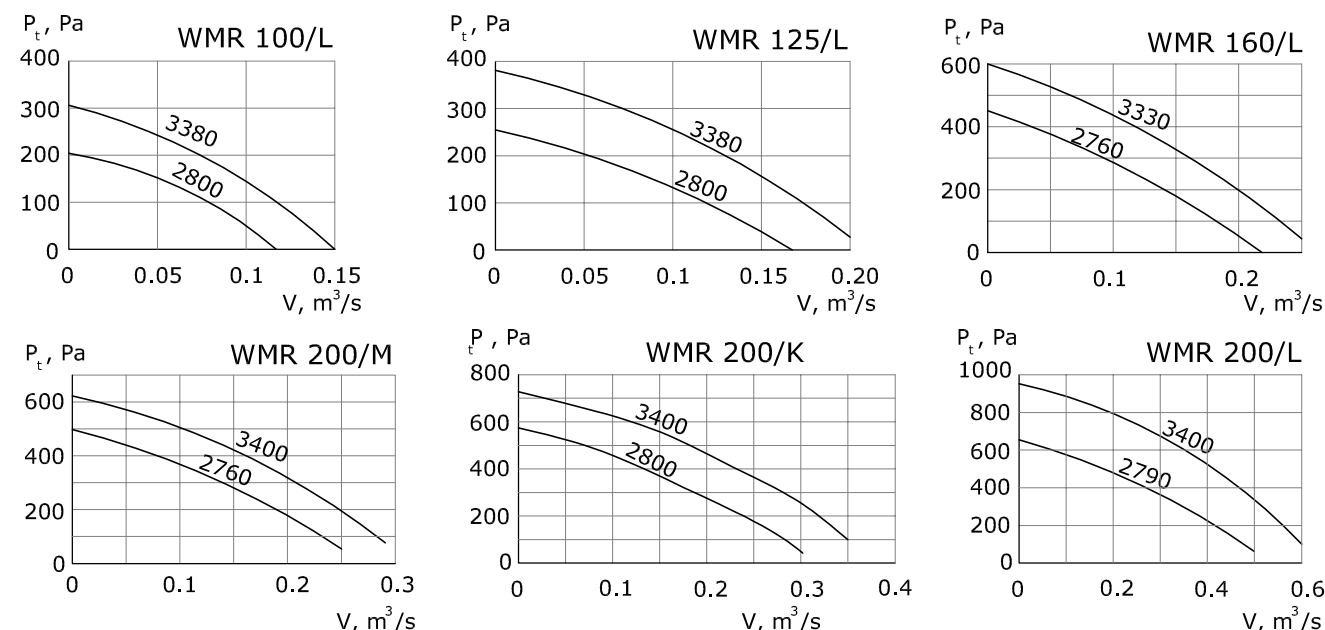


WMR	100/L	125/L	160/L	200/M	200/K	200/L
DN	100	125	160	200	200	200
D	244	264	338	338	378	418
L	290	315	340	400	400	400
H	175	185	225	225	250	266
E	35	35	35	40	40	40
F	25	25	25	30	30	30

TECHNICAL DATA

Type of fan	WMR100/L	WMR125/L	WMR160/L	WMR200/M	WMR200/K	WMR200/L
Nominal diameter, mm	100	125	160	200	200	200
Power consumption, kW	0,05	0,07	0,13	0,21	0,32	0,40
Electric motor						
- type	mSg56-2A	mSg56-2B	mSg63-2A	mSg63-2B	mSg71-2A	mSg71-2B
- rated power, kW	0,09	0,12	0,18	0,25	0,37	0,55
- rated current, A	0,32	0,35	0,55	0,65	1,00	1,35
- revolutions, min ⁻¹	2800	2800	2760	2760	2800	2790
- supply, V/Hz	3x380/50	3x380/50	3x380/50	3x380/50	3x380/50	3x380/50
Total weight, kg	4,4	5,0	7,8	9,3	11,8	14
Max. noise level, dB(A)	65	71	74	75	76	78
Power consumption, kW	0,07	0,10	0,21	0,28	0,39	0,59
Electric motor						
- type	mSg56-2A	mSg56-2B	mSg63-2B	mSg71-2A	mSg71-2A	mSg71-2B
- rated power, kW	0,11	0,14	0,29	0,43	0,43	0,64
- rated current, A	0,35	0,35	0,65	1,00	1,00	1,35
- revolutions, min ⁻¹	3380	3380	3330	3400	3400	3400
- supply, V/Hz	3x440/60	3x440/60	3x440/60	3x440/60	3x440/60	3x440/60
Total weight, kg	4,4	5,0	7,8	9,6	11,8	14
Max. noise level, dB(A)	69	74	77	78	80	81

PERFORMANCE CURVES



DESIGNATION

Marine duct fans WMR type are destined for operation in ventilation systems of seagoing of unrestricted cruising area as well as offshore objects.

In comfort spaces the resilient mounts of WMR fans, ALWO/N7-00, is recommended.

OPERATING CONDITIONS

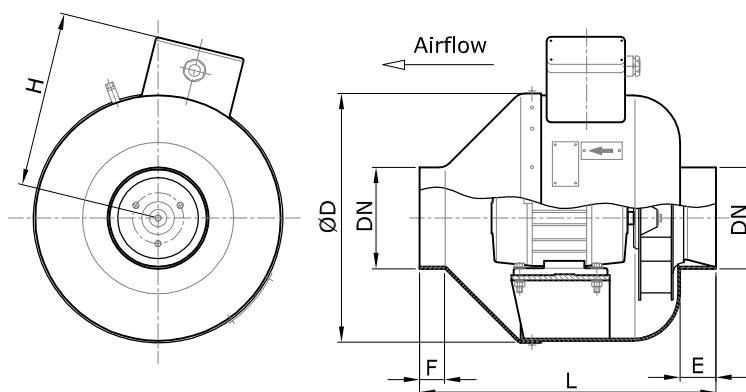
Temperature of conveyed medium must not exceed +45 °C, dust contents 0,3 g/m³.

CONSTRUCTION

Casing and impeller of WMR fans are made of PA2 aluminium sheets, welded. On the casing a terminal box with G20 cable gland, for feeding cable connection, is fitted.

Electric motor: induction, squirrel-type, 3-phase, of IP55 enclosure, in marine execution.

All the motors are of high-efficiency IE2 class "GREEN responsibility".



WMR	100/L	125/L	160/L	200/M	200/K	200/L
DN	100	125	160	200	200	200
D	244	264	338	338	378	418
L	290	315	340	400	400	400
H	175	185	225	225	250	266
E	35	35	35	40	40	40
F	25	25	25	30	30	30

TECHNICAL DATA

Type of fan	WMR100/L	WMR125/L	WMR160/L	WMR200/M	WMR200/K	WMR200/L
Nominal diameter, mm	100	125	160	200	200	200
Power consumption, kW	0,05	0,07	0,13	0,21	0,32	0,40
Electric motor						
- type	mSEg56-2A	mSEg56-2B	mSEg63-2A	mSEg63-2B	mSEg63-2C	mSEMg71-2C
- rated power, kW	0,09	0,12	0,18	0,25	0,37	0,55
- rated current, A	0,85	1,0	1,5	1,85	245	4,0
- revolutions, min ⁻¹	2860	2860	2820	2850	2850	2800
- supply, V/Hz	1x220/50	1x220/50	1x220/50	1x220/50	1x220/50	1x220/50
Total weight, kg	4,4	5,0	7,8	9,3	11,8	14
Max. noise level, dB(A)	66	71	74	76	76	78
Power consumption, kW	0,07	0,10	0,21	0,28	0,39	0,59
Electric motor						
- type	mSEg56-2A	mSEg56-2B	mSEg63-2B	mSEg63-2C	mSg71-2A	mSEMg71-2C
- rated power, kW	0,11	0,14	0,29	0,43	0,43	0,64
- rated current, A	1,00	1,15	1,75	2,45	2,45	4,6
- revolutions, min ⁻¹	3430	3430	3380	3400	3400	3360
- supply, V/Hz	1x220/60	1x220/60	1x220/60	1x220/60	1x220/60	1x220/60
Total weight, kg	4,4	5,0	7,8	9,5	11,8	14
Max. noise level, dB(A)	69	74	77	79	80	81

PERFORMANCE CURVES

