



- PROJECT: AVANTE 2200
- SHIPYARD: NAVANTIA S.A.
- SYSTEM: HVAC



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SHIPYARD: 

SYSTEM: HVAC

SECONDARY AXIAL FANS

REF.: D-MO5462-098

REV	DESCRIPTION	DATE	ISSUED BY	CHECKED BY	APPROVED BY
A	For information / and comments	09/08/2019	JMC	AMF	MRH
B	Updated	08/05/2020	JMC	AMF	MRH



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TABLE OF CONTENTS

1. ITEM LIST:	3
1.1. GENERAL TECHNICAL DATA:	3
1.2. TECHNICAL AND FUNCIONAL DESCRIPTION:.....	4
Annex A. SECONDARY AXIAL FANS TECHNICAL DATA SHEET	5
Annex B. SECONDARY AXIAL FANS DIMENSIONAL DRAWINGS	28



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1. ITEM LIST:

1.1. GENERAL TECHNICAL DATA:

<u>TYPE</u>	<u>TAG</u>	<u>OPERATION</u>	<u>MODEL</u>	<u>MAKER</u>	<u>AIRFLOW (m3/h)</u>	<u>DESIGN PRESSURE (Pa)</u>	<u>APROX. DIMENSION S (mm)</u>	<u>IP GRADE</u>	<u>VOLTAGE</u>	<u>MAX ELECT. POWER (kW)</u>	<u>RATED CURRENT (A)</u>	<u>HEAT DISSIP. (Kw)</u>	<u>MOTOR MODEL</u>	<u>RPM MOTOR</u>	<u>WEIGHT (Kg)</u>	<u>REMARKS</u>
AXIAL	FAN-VES01001	RECIRCULATION	V1M-500	ZITRON	4600	600	Ø500x400	IP55	3X440V/60Hz	6,30	10,70	0,693	WEG-W21-F132	3495	63,0	-
AXIAL	FAN-VES01007	EXHAUST	V1M-280	ZITRON	1700	175	Ø280x270	IP55	3X440V/60Hz	0,62	1,38	0,170	WEG-W22-F71	3390	19,0	-
AXIAL	FAN-VES02008	EXHAUST	V1M-280	ZITRON	1700	175	Ø280x270	IP55	3X440V/60Hz	0,62	1,38	0,170	WEG-W22-F71	3390	19,0	-
AXIAL	FAN-VES01013	EXHAUST	V1M-355	ZITRON	3900	175	Ø355x280	IP55	3X440V/60Hz	0,85	1,73	0,136	WEG-W22-F80	3400	24,0	-
AXIAL	FAN-VES02014	EXHAUST	V1M-355	ZITRON	3900	175	Ø355x280	IP55	3X440V/60Hz	0,85	1,73	0,136	WEG-W22-F80	3400	24,0	-
AXIAL	FAN-VES01015	SUPPLY	V1M-355	ZITRON	1700	325	Ø355x280	IP55	3X440V/60Hz	0,85	1,73	0,136	WEG-W22-F80	3400	24,0	-
AXIAL	FAN-VES02016	SUPPLY	V1M-355	ZITRON	1700	325	Ø355x280	IP55	3X440V/60Hz	0,85	1,73	0,136	WEG-W22-F80	3400	24,0	-
AXIAL	FAN-VES01017	SUPPLY	V1M-400	ZITRON	3900	325	Ø400x320	IP55	3X440V/60Hz	2,64	5,34	0,422	WEG-W22-F90L	3455	31,0	-
AXIAL	FAN-VES02018	SUPPLY	V1M-400	ZITRON	3900	325	Ø400x320	IP55	3X440V/60Hz	2,64	5,34	0,422	WEG-W22-F90L	3455	31,0	-
AXIAL	FAN-VEN02020	SUPPLY	V1AM-500	ZITRON	5.201	900	Ø500x400	IP55	3X440V/60Hz	3,7	6,75	0,569	WEG-W22Xdb-F100L	3480	79,0	ATEX ZONE 1
AXIAL	FAN-VEN02021	EXHAUST	V1AM-500	ZITRON	5.201	900	Ø500x400	IP55	3X440V/60Hz	3,7	6,75	0,569	WEG-W22Xdb-F100L	3480	79,0	ATEX ZONE 1

*For fan accessories and dimensional details see drawing P-MO5462-022 REV B



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1.2. TECHNICAL AND FUNCIONAL DESCRIPTION:

Class W: Fans operating under all conditions of ship operation. Fans shall only be closed or stopped for repair purposes.

Class (W): Fan secured or closure closed only during NBC warfare.

<u>TAG</u>	<u>OPERATION</u>	<u>CLASS.</u>
FAN-VES01001	RECIRCULATION	W
FAN-VES01007	EXHAUST	(W)
FAN-VES01015	SUPPLY	(W)
FAN-VES01013	EXHAUST	(W)
FAN-VES01017	SUPPLY	(W)
FAN-VES02008	EXHAUST	(W)
FAN-VES02016	SUPPLY	(W)
FAN-VES02014	EXHAUST	(W)
FAN-VES02018	SUPPLY	(W)
FAN-VEN02020	SUPPLY	(W)
FAN-VEN02021	EXHAUST	(W)

<u>TAG</u>	<u>OPERATIONAL DESCRIPTION</u>
FAN-VES01001	Recirculation of air through a sea water cooling coil providing refrigeration to its served space
FAN-VES01007	Forced air exhaust from its served space
FAN-VES01015	Outdoor forced air supply to its served space
FAN-VES01013	Forced air exhaust from its served space
FAN-VES01017	Outdoor forced air supply to its served space
FAN-VES02008	Forced air exhaust from its served space
FAN-VES02016	Outdoor forced air supply to its served space
FAN-VES02014	Forced air exhaust from its served space
FAN-VES02018	Outdoor forced air supply to its served space
FAN-VEN02020	Outdoor forced air supply to its served space
FAN-VEN02021	Forced air exhaust from its served space

Notes:

- FAN-VES01007 & FAN-VES01015 will work simultaneously.
- FAN-VES01013 & FAN-VES01017 will work simultaneously.
- FAN-VES02008 & FAN-VES02016 will work simultaneously.
- FAN-VES02014 & FAN-VES02018 will work simultaneously.
- FAN-VES02020 & FAN-VES02021 will work simultaneously.
- Fan operation is interlocked with the open position limit switch of its associated duct closing valve/s.