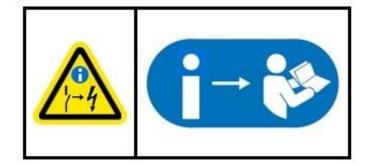


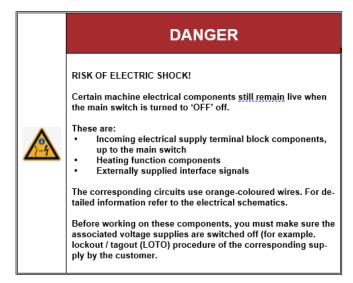
Electric switchboard AE-BU22MW

Contents

- 1. Technical Report sheet TR 1-4
- 2. Electrical Diagram sheet 1-17







SAFETY REGULATIONS



During controller operation certain items are under dangerous voltage! Non-observance of safety instructions can result in death, serious injuries or material damage.

Only specialist personnel may carry out transport, installation and commissioning work. The applicable valid standards as well as the national and / or company-specific accident prevention regulations are to observed.

The following safety instructions are to be observed:

The installation, commissioning, troubleshooting as well as repair of the controller may only be carried out by qualified personnel that is familiar with the corresponding operating instructions.

Device connection and installation has to follow all the valid standards, state and local regulations. Proper grounding and conductor dimensioning as well as proper short-circuit proofing have to be ensured. These measures serve to ensure the safety of the plant and of the operating personnel.

Before carrying out safety checks, maintenance work and repair measures ensure that all the power supplies are switched off, are secured against being switched on unintentionally and are marked correspondingly.

Only test devices that are in technically perfect condition and are suitable for the respective measurement may be used to carry out measurements!

The instructions specified in the respective operating instructions are to be followed strictly! It is mandatory that hazard, warning and safety instructions are followed!

All doors and covers are to be kept closed during the controller operation. If cooling devices are installed in the controller, ensure that these systems operate trouble-free. These include the regular cleaning of the filters, in as far as they exist.

Processed: Michal Liška Responsible: David Krivánka sheet TR 1 /4

Technical Report

Electric switchboard AE-BU22MW

1. General

AE-BU22MW is an indoor, metal sheet cabinet designed for control and powering of the blower unit and complies with EN 60204-1 and EN 61439-1. The cabinet is totally enclosed and has following dimensions: 1600x600x400mm (HxWxL)

The switchboard consists of electric components, which ensure starting, running and safe operation of 22 kW / 380-415 V +/-10% 50/60 Hz blower package. The switchboard is secured against short circuit by main switch/circuit breaker – 3F1. Start and blower speed control is controlled by frequency converter (FC) -4G2. Its protection circuits protect the blower motor from over-current. Blower cabinet fan motors -3M4 and -3M6 are powered by 230 VAC, 50/60 Hz isolation transformer -3T5. Its primary winding is protected by circuit breaker -3Q3. Blower fan -3M4 is protected by circuit breaker -3Q5, switchboard fan –3M6 is protected by circuit breaker -3Q6 and started by auxiliary relay -6K1. Power supply -3U6 powers AECon controller -3A8 with 24 VDC. Its primary wiring is protected by circuit breaker -3Q4, control circuits are protected by circuit breaker -3Q7. AECon controller -3A8, EMERGENCY STOP button -5S7 and control handle of the main switch/circuit breaker are located on the switchboard door.

The electric switchboard shall be connected to the main power supply by WL01 cable in size 4x10mm². The blower motor is connected by shielded cable WL02 YSLCY 4x10 mm². Fan motor –3M4 is connected by WL03 YSLY-JZ 3x1 cable. Pressure sensor –5B1 is connected by WS02 PUR 4x0,34 cable. Remote control 0-10V should by connected WS04 LIYCY 2x0,5 cable. Air temperature sensor –5B3 is connected by WS05 SIHF 2x0,34 cable. Motor thermistor - 5B5 is connected by WS06 YSLY-OZ 2x0,75 cable. Cables from and into the switchboard shall be installed from the bottom of the switchboard.

ATTENTION! When working on the device, it is necessary to switch it off from the power supply by setting off the main circuit breaker. There is a voltage on input terminals even when the main switch if switched off.

2. Function description

After switching on the main switch/circuit breaker –3F1 of the control handle, blower is ready to start. Please see the Danfoss frequency converter manual (Annex to the Technical report) to set the drive parameters. Press push START [I] button on the control unit AECon –3A8. The machine will start. Please note, that the Auto and Remote switch is not operational when the machine is running.

It is possible to read current value of the blower charge/discharge pressure on the display AECon –3A8. Please check the AECon manual to read the process values and/or set the control unit parameters.

It is possible to control the blower by remote command through NO contact via terminal connectors –X5:3, -X5:6. The blower speed can be controlled by remote control 0-10V via terminal connectors -X5:21, -X5:22. The current condition of blower is reported via zero-potential contacts -X5:1, -X5:2 - connected (NO) operation, –X5:7, -X5:8 connected (NC) blower in Alarm.

Danfoss drive is monitoring the system pressure, temperature and motor current, as well as other measured values and will stop the machine operation when the error occurs. The errors and warnings are shown on the AECon display. It is possible to put blower into operation after the defect has been eliminated.

вүзсн

3. Basic technical parameters

Rated voltage	3L+PE AC 380-415V +/-10% 50/60Hz
FLA	42A
Short circuit resistance	25kA
El. protection	IP54, after opening the cover IP20
Protection from dangerous touch	automatic disconnection from the source
Switchboard dimensions	1600x600x400mm
Weight – switchboard + control panel	87kg
Design according to	EN 60204-1 and EN 61439-1
Drawing documentation	AR100222
Ambient temperature	0 to 45°C
Humidity range	50% at 40°C to 90% at 20°C
Altitude up to	1500m

4. Technical specification

Responsible: David Krivánka

Metal sheet cabinet Rittal AX1091.000, dimensions 1000x600x400mm Switchboard base with dimensions 600x600x400

Item	Marking	description, type, function, manufacturer	QTY, length (m)
1.	-3A8	AECon controller HMI, ARDAT Systems, language versions EN / DE	1 pc
2.	-3F1	Main switch/circuit breaker, MC150131, 50A, 440V, Schrack	1 pc
3.	-3Q3	Circuit breaker C2A, P1MB2PC02, protects transformer -3T5 from short circuit, Lovato	1 pc
4.	-3Q4	Circuit breaker C1A, P1MB2PC01, protects power supply -3U6 from short circuit, Lovato	1 pc
5.	-3Q5	Circuit breaker C2A, P1MB1PC02, blower fan protection -3M4 from short circuit, Lovato	1 pc
6.	-3Q6	Circuit breaker C2A, P1MB1PC02, switchboard fan protection -3M6, Lovato	1 pc
7.	-3Q7	Circuit breaker C2A, P1MB1PC02, protects control circuits 24VDC, Lovato	1 pc
8.	-3T5	Transformer, LP824040, 400VA, 400/230V, fan supply voltage, Schrack	1 pc
9.	-3U6	Power source, WDR-60-24, 60W, 180-550VAC/24VDC, control voltage, Mean Well	1 pc
10.	-3M6	Fan, SK3241.100, 40W, 0,26A, 230V, 50Hz, switchboard cooling, Rittal	1 pc
11.	-4G2	Frequency converter with control panel, FC280P22K, 22kW, 380-480V, Danfoss	1 pc
12.	-5B1	Pressure sensor, HUBA 528, 7-33VDC, measurement of inlet air pressure,	
		Huba, outside of switchboard	1 pc
Process	ed: Michal	Liška sheet TR 3 /4	Date: 10.4.2024

Da

вүзсн

135B3	Temperature sensor, TSB 060, NC 140°C, measurement of outlet air temp, Sensit,	
	outside of switchboard	1 pc
14. <i>-</i> 5S7	Controller head PPFN1R4N, NC unit PL004001, EMERGENCY STOP, Giovenzana	1 pc
156K1	Relay, RS500024, 24VDC, 6A + socket, auxiliary relay for control circuits, Schrack	1 pc
146K2	Relay, RXT21LC4, 24VDC, 5A + socket, auxiliary relay for control circuits, Schrack	1 pc
15X1	Terminal box, 3x WT16 + 1x WT16 PE, switchboard power supply in, Wieland	1 pc
16X2	Terminal box, 1x WT2,5 + 1x WT2,5 N + 1x WT2,5 PE, output for blower fan supply, Wieland	1 pc
17X3	Terminal EMC, 1x SFZ + 2x SFL, fixing the cable shield, lcotek	1 pc
18X4,-X5,	Terminal box, WT 2,5 4+10 pcs, external signals, Wieland	1 pc

Cable leading

1.	WL01	CYKY 4x10, supply mains of the blower	not included
2.	WL02	YSLCY 4x10, current supply of mains engine –4M2, Tekaben	5 m
3.	WL03	YSLY-JZ 3x1, current supply of fan engine –3M4, Tekaben	5 m
4.	WS02	PUR 4x0,34, connection pressure sensor -5B1 witch frequency converter -4G2, IFM	5 m
5.	WS04	LIYCY 2x0,5, remote control 0-10V	not included
6.	WS05	SIHF 2x0,34, connection temperature sensor –5B3 witch freq. converter -4G2, Tekaben	5 m
7.	WS06	YSLY-OZ 2x0,75, connection thermistor –5B5 with frequency converter -4G2, Tekaben	5 m
8.	WS07	YSLY-OZ 2x1, external control Start / Stop	not included
9.	WS08	YSLY-OZ 4x1, external signals connected	not included

INDEX	MODIFICATION	DATE	DESIGNED	CONTROLE
		10.0.2021		
С	Wires color L1.1, L2.1, L3.1	16.9.2024	ML	DK
В	6K2 description, b/w version	11.9.2024	ML	DK
А	Initial version	10.4.2024	ML	DK

	DESIGNED	ML
BÜSCH	CONTROLED	DK
	CREATION DATE	10.4.2024

Type/Typ/Type:

AE-BU22MW

Untertype/Subtype/Sous-type:

For TYR Blower

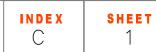
Kunde/ Customer/ Client:_____

Pumpen Nr/ Pump No/ Pompe N°:_____

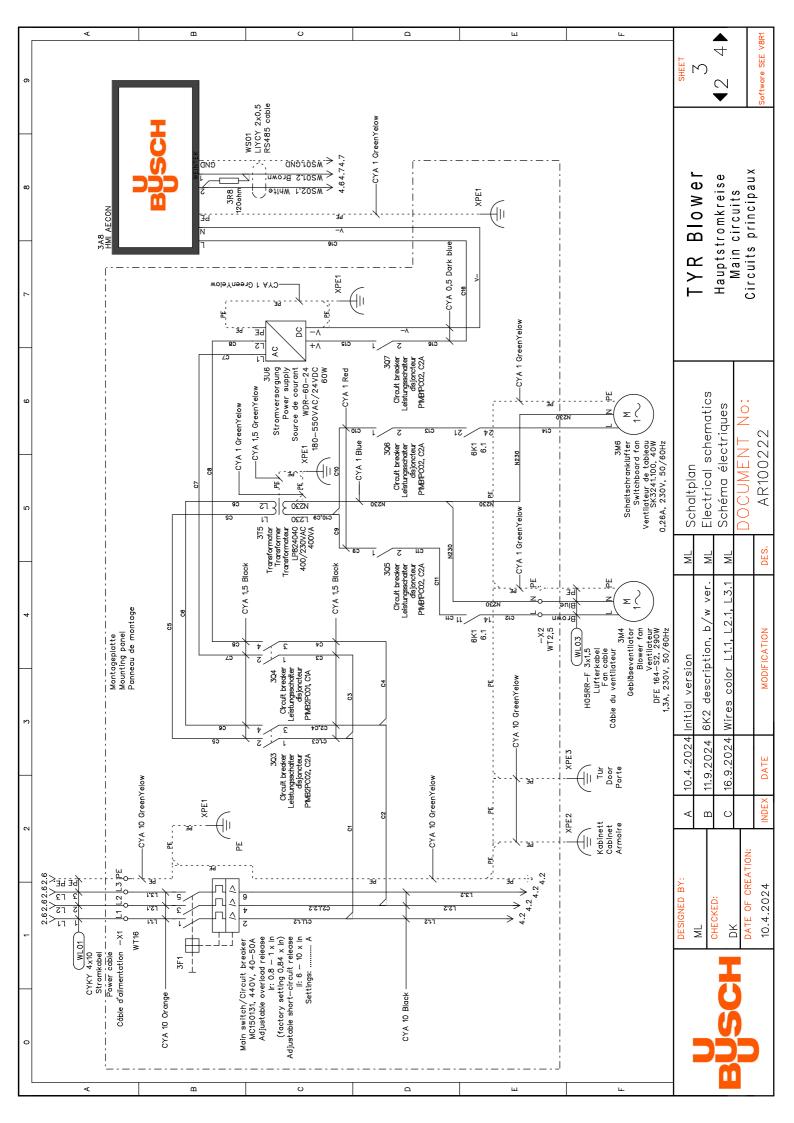
Verkabelung durch/ Cabled by/ Câbleur:_____

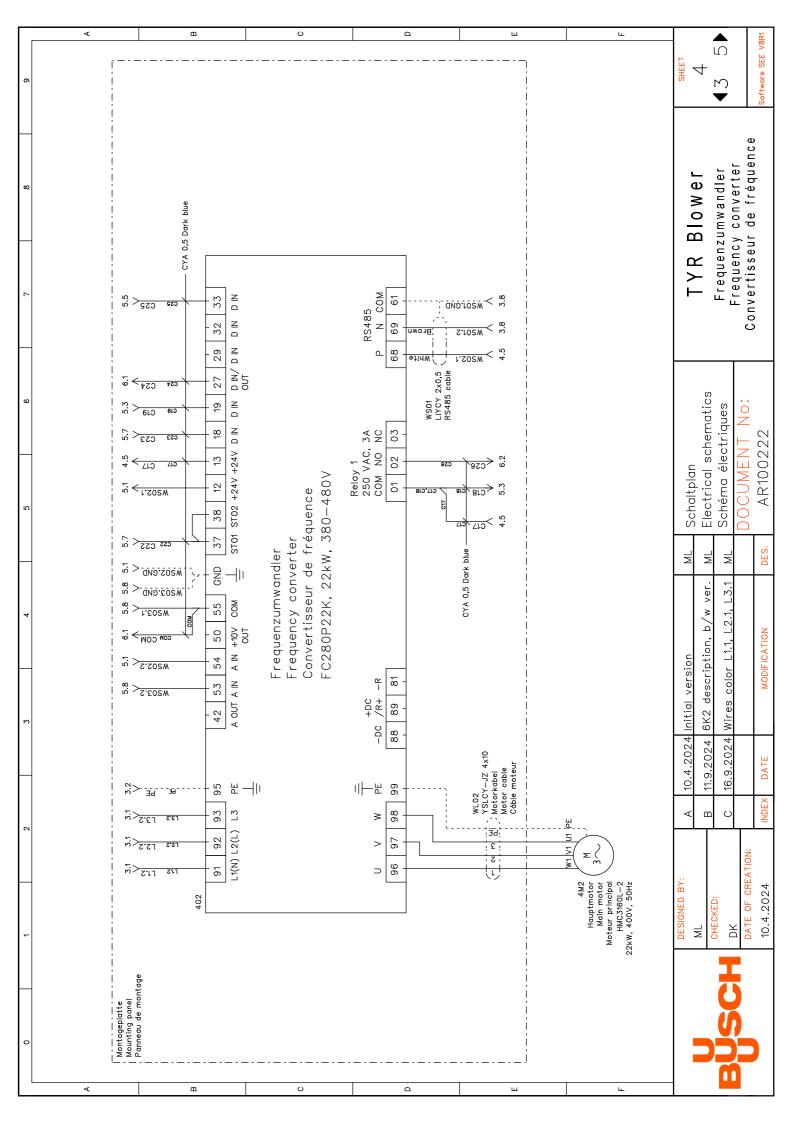
Datum/ Date/ Date:_____

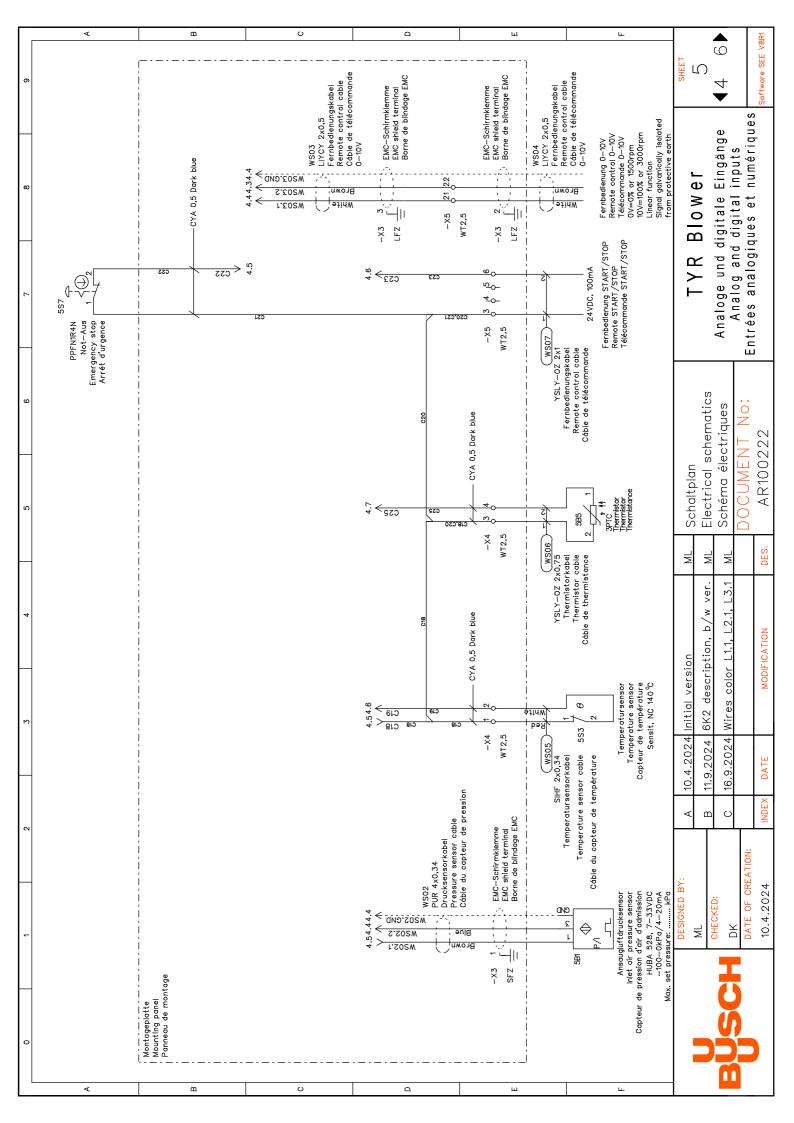
DOCUMENT No.: AR100222

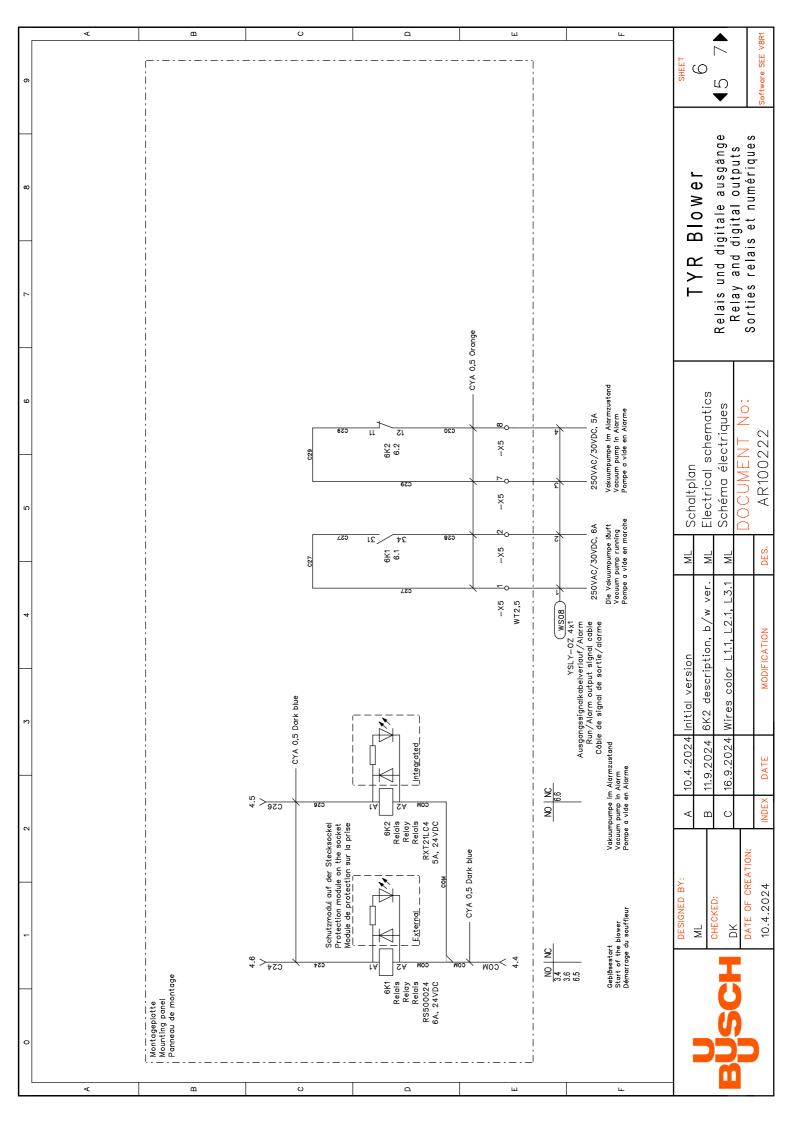


	×	m	U	٩			ш						LL.				2	٦
თ				a IT network.		(20A)	(20A) (25A)	(32A)	(40A)	(50A)	(80A)	(100A) (125A)	(160A)	(200A)		4 1 3	Software SEE V8R1	
				justed for the	tails.	Main switch type MC120131 (20A)	MC120131 (20A) MC125131 (25A)	MC132131 (MC140131 (40A)	MC150131 (50A) MC163131 (63A)		MC110131 (1 MC112131 (1		MC220131 (e u	y client	
ø	o 45°C at 20°C			settings must be a	cturer for more de	Control box N° N AE-BU5MW	AE-BU7MW AF-RI111MW	AE-BU15MW	A E-BU18MW	A E - B U Z 2 M W A F - B I 3 0 F W	AE-BU37FW	AE-BU45FW AF-BU55FW	AE-BU75FW	E-BU90FW	Blower	Stromkreise des Kunden	customer power supply uits d'alimentation du c	
7	ambiente: 0 t 40°C to 90%			"IT: The frequency inverter settings must be adjusted for the IT network.	lease, contact the manufac	gauge input min. Cor 2,5mm² A				10mm ² A		25mm ² A A 35mm ² A		70mm ^ć A	ΤΥR	Stromkreis	Customer power suppl Circuits d'alimentation du	
5 6	ature / Température dité relative: 50% at	pply 50/60Hz TN, TT, IT*	L1 > 3. L2 > 3. L3 > 5. PE. > 5.	÷- c	-	Protection with fuse Wire C20	C20 C25	C32 C32	C 40	C 50 C 63	C80	C100 C125	C 160	C200	Schaltplan Floot-rioal pobomotion	Liecurical scrientatics Schéma électriques	DOCUMENT No: AR100222	
	emperatur / Humidité 1500M	wer supp +/-10% 5 works TI				A (A)				42						ML		с. Г
3 4	atur / Ambient t Humidity range / ^ Altitude: up to	Customer power supply 3L+PE 380-415V +/-10% 50/60Hz Compatible with networks TN, TT,				Control box size (mm) FLA 600x380x350	600x380x350 1400x600x400	1400x600x400	1400×600×400	1600×600×400 1600×600×400	1600×600×400	1800×800×400 1800×800×400	1800×800×400	1800×800×400	Initial version	Wires color L1.1.	MODIFICATION	
2	Umgebungstemper Feuchtebereich / Höhe / Altitude /				-	Frequency inverter typ Co 134U2985-FC280P5K5	134U2986-FC280P7K5 134U2987-FC280P1K	134U2988-FC280P15K	134U2989-FC280P18K	134U2990.FC280P22K 131F0433.FC302P22K	131F0435-FC302P30K	131F0436-FC302P37K 131F0439-FC302P45K	131F0440-FC302P55K	131F0446-FC302P75K		C 16.9.2024		
-						Busch Article N° Fre	134	134		2000095588 134	131	131	131	13	DESIGNED BY:	CHECKED:	DATE OF CREATION:	10.4.2024
0						5,5 kW		15 k W	18,5 kW	22 KW	37 k W	55 k W		90 k W				
L	۲	m	U	٩			ш						LL.					

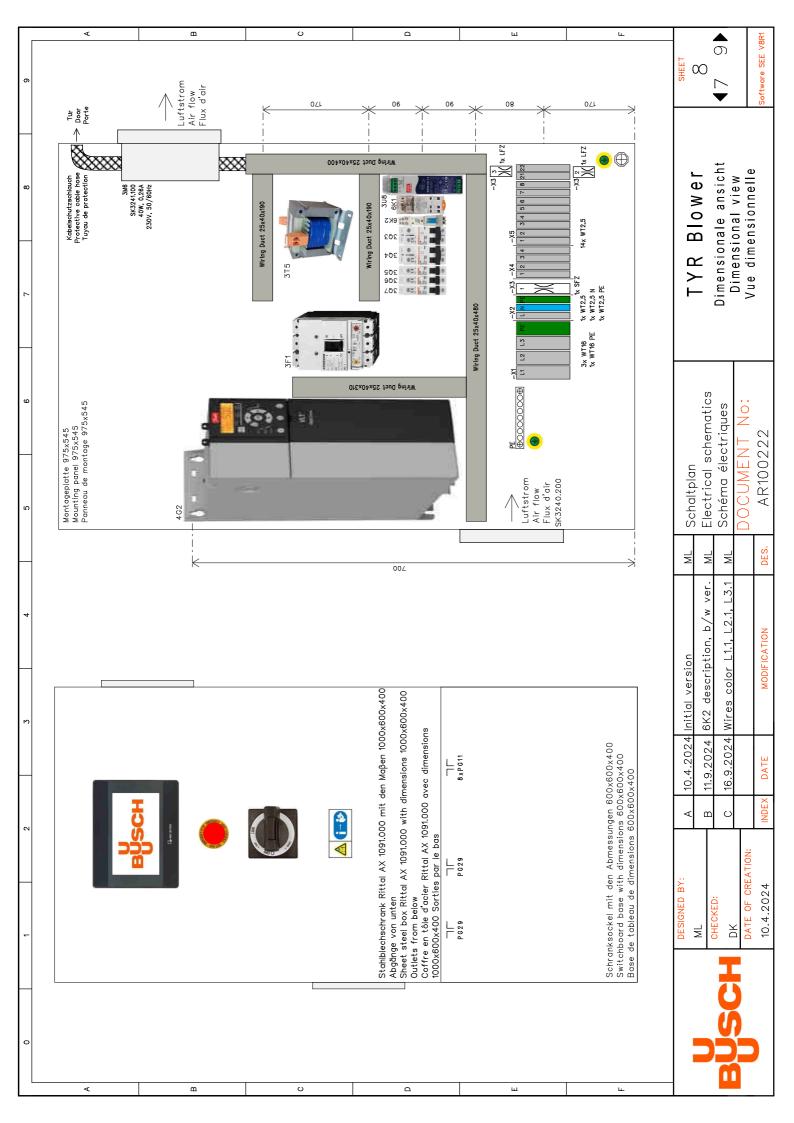








	۲	B	C	٩	ш	١Ļ			8R1
თ				A 01	—0 əbnommooàlàt	ADIE OE	внеет 7	00 ▼0	Software SEE V8R1
80				۸ اعدسہ Þاف	:ontrol cable télécommande signalkabelverlaut m output signal ca signal de sortie/a signal de sortie/a enungskabel 0-10 control cable 0-10	Remote de Cáble de YSLY-OZ Ausgangs Run/Alar Cáble de Cáble de Hernbedi	YR Blower	Anschlussklemmen onnection terminals	Bornes de connexion
4		-X4:3 WT2,5 -X4:4 WT2,5 -X5:1 WT2,5			orkabel or cable thermistance	YSLY-OZ Thermist Cáble de Cáble de			Bor
9		-X4:1 WT2,5 -X4:2 WT2,5				Lewberay Lewberay 21HE SXO —M2O2	olan Ad achamation	Schéma électriques	CUMENI No: Ar100222
ы		-+65:2+ -+65:15 -+65:CND -+65:CND -+65:CND -+75:bE M15'2 bE	S S Z	uc	3≮			ML Schémo	DUCU DES. AR
4		-X1:F2 M112 PE - -X1:F2 M116 PE -			limentation 3x1,5 sntilator	Серідзеле НО2КК—Е — МГО3	m/ 4	L1.1, 1	MODIFICATION
33		-X1:L2 WT16				2fromkαp CλKλ 4×. −MΓ01	2024 Initial	2024 0h2 u 2024 Wires	DATE MC
2							7 9	C 16.9.	INDEX
		-4C5:bE 66		eur	wer cable limentation du mot		DESIGNED BY: ML	CHECKED: DK	DATE OF CREATION: 10.4.2024
0	Montagelatte Montagelatte Mounting panel Panneau de montage	-462:M 88 -462:A 82 -465:A 86			omkapel	ALLOS ALLOS MOTORATIO		USCH	
	₹	۵	O	۵	ш	ш		11	



																									 ▲ 0 10 4 	Software SEE V8R1
luits	Type	MC150131, 440V, 40-50A, SCHRACK	P1MB2PC02, C2A, LOVATO	P1MB2PC01, C1A, LOVATO	P1MB1PC02, C2A, LOVATO	P1MB1PC02, C2A, LOVATO	P1MB1PC02, C2A, LOVATO	LP824040, SCHRACK	WDR-60-24, MEAN WELL	SK3241100, 40W, 0,26A, 50/60Hz, RITTAL	AECON, ARDAT Systems, EN/DE	120 ohm	FC280P22K, 22kW, 380-480V, DANFOSS	-100-0kPa/4-20mA, 7-33VDC, 528 HUBA	TSB 06-35, 140°C, Sensit	3PTC	PPFN1R4N, GIOVANZANA	RS500024, 6A, 24VDC, SCHRACK	RXT21LC4, 5A, 24VDC, SCHRACK						TYR Blower Produktliste List of Products Liste des produits	
Produktliste / List of Products / Liste des produits	Description	Hauptschalter,Hauptsicherung / Main switch,Circuit breaker / Interrupteur principal,Disjoncteur principal	Circuit breaker / Leistungsschalter / Disjoncteur	Transformator / Transformer / Transformateur	Stromversorgung / Power supply / Source de courant	Schaltschranklufter / Switchboard fan / Ventilateur de tableau	HMI AECON	Widerstand / Resistor / Résistance	Frequenzumwandler / Frequency converter / Convertisseur de fréquence	Ansaugluftdrucksensor $/$ Inlet air pressure sensor $/$ Capteur de pression d'air d'admission	Temperatursensor / Temperature sensor / Capteur de température	Thermistor / Thermistor / Thermistance	Not-Aus / Emergency stop / Arrét d'urgence	Relais / Relay / Relais	Relais / Relay / Relais					-	10.4.2024 Initial version ML Sch 11.9.2024 6K2 description, b/w ver. ML Elec 16.9.2024 Wires color L1.1, L2.1, L3.1 ML Sch	INDEX DATE MODIFICATION DES. AR100222				
	Cell	1	З	4	ъ	Q	7	ъ	ø	ø	ø	Ø	2	-	3	ъ	7	-	2						DESIGNED BY: ML CHECKED: DK DATE OF CREATION:	10.4.2024
	Sheet	3	3	3	3	3	3	3	3	3	3	3	4	ß	£	ß	ß	9	Q						DESIGNED ML CHECKED: DK DATE OF	10.4.
	Product (-)	3F1	3Q3	3Q4	3Q5	3Q6	307	315	3U6	3M6	3A8	3R8	462	5B1	5B3	5B5	5S7	6K1	6K2						BUSC	

	Comment														sheet 10	●●●●	Software SEE V8R1
-X1	Cell	£	~	Ţ	2										TYR Blower	Klemmenlist List of terminals	Liste des bornes
ste des bornes	Sheet	3	3	3	3										schematics	tri.	N1 N0: 1222
of terminals / Lis	Type	WT16	WT16	WT16	WT16 PE										ver. MI	L3.1 ML	DUCUMENI Des. AR100222
Klemmenlist / List of terminals / Liste des bornes	Terminal	L1	L2	L3	PE										A 10.4.2024 Initial version B 119.2024 6K2 description. b/w	16.9.2024	INDEX DATE MODIFICATION
															BX:	CHECKED: DK	DATE OF CREATION: 10.4.2024
	Product (-)	-X1:L1	-X1:L2	-X1:L3	–X1:PE											BUSCH	

	Comment													SHEET	
-X2	Cell	4	4	4										TYR Blower	Klemmenlist List of terminals Liste des bornes
ste des bornes	Sheet	3	3	3										Schaltplan Electrical schematics	electriques ENT No:
Klemmenlist / List of terminals / Liste des bornes	Type	WT2,5	WT2,5 N	WT2,5 PE										ver. ML	L3.1 ML
Klemmenlist / Lis	Terminal	L L	z	PE										A 10.4.2024 Initial version B 11.9.2024 6K2 description, b/w	C 16.9.2024 Wires color L1.1, L2.1,
	Product (-)	-X2:L	-X2:N	– X2:PE										DESIGNED BY: ML	DK DATE OF CREATION:

	Comment																SHEET	13	▲1214▶	Software SEE VBR1
-X4	Cell	м	3	5	Û													TYR Blower	Klemmenlist	Liste des bornes
ste des bornes	Sheet	£	5	5	£														schéma électriques	ENT No: 0222
of terminals / Lis	Type	WT2,5	WT2,5	WT2,5	WT2,5													ML	L3.1 ML	DOCUMENT DES. AR100222
Klemmenlist / List of terminals / Liste des bornes	nal																	10.4.2024 Initial Version	16.9.2024 Wires color L1.1, L2.1,	DATE MODIFICATION
	Terminal	-	2	3	4													< (CHECKED: DK	E OF CREATION: 1.2024 INDEX
	Product (-)	-X4:1	-X4:2	-X4:3	—X4:4												D	M		

	Cell	1	2	4	ω	-	80	œ	3	£	7	4	SHFFT	15 ▲14 16 ♥ Software SEE VBR1
	Sheet	3	4	3	З	ω	5	ß	ß	ß	υ	6		Blower e der Kabel of Cables des câbles
câbles	Connection 2	-X1	4M2	3M4	4G2	5B1	-X5	Fernbedienung/Remote control/ Télécommande 0-10V	5B3	585	Fernbedienung/Remote/ Télécommande START/STOP	Digitale ausgänge/Digital outputs/Sorties numériques		TYR Liste c List o Liste d
les / Liste des o	Connection 1	F C1	4G2	-x2	3A8	4G2	462	-X5	X4	-X4	-X5	-X5		Schaltplan Electrical schematics Schéma électriques AR100222 AR100222
Liste der Kabel / List of Cables / Liste des câbles	Description	Stromkabel / Power cable / Cáble d'alimentation	Motorkabel / Motor cable / Cáble moteur	Lufterkabel / Fan cable / Cáble du ventilateur	RS485 cable	Drucksensorkabel / Pressure sensor cable / Cáble du capteur de pression	Fernbedienungskabel 0-10V / Remote control cable 0-10V / Cáble de télécommande 0-10V	Fernbedienungskabel 0-10V / Remote control cable 0-10V / Cáble de télécommande 0-10V	Temperatursensorkabel / Temperature sensor cable / Cáble du capteur de température	Thermistorkabel / Thermistor cable / Cáble de thermistance	Fernbedienungskabel / Remote control cable / Cáble de télécommande	Ausgangssignalkabelverlauf/Alarm / Run/Alarm output signal cable / Cáble de signal de sortie/alarme		A 10.4.2024 Initial version ML B 11.9.2024 6K2 description, b/w ver. ML C 16.9.2024 Wires color L1.1, L2.1, L3.1 ML ATION: INDEX DATE MODIFICATION DES.
	Cablename (-)	WL01	WL02	WL03	WS01	WS02	WS03	WS04	WSO5	WS06	20SW	WS08		BUSCH

	Square	10	10	10	10	10	10	10	10	10	10	1	-	1,5	1	1	-	-	-	1	0,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	-	SHEET 16	<1517►	
	Colour	Orange	Orange	Orange	Black	Black	Black	Green yelow	Green yelow	Green yelow	Green yelow	Green yelow	Green yelow	Green yelow	Green yelow	Green yelow	Green yelow	Green yelow	Blue	Blue	Dark blue	Black	Red	TYR Blower	Drahtliste Wire list	Liste des fils							
	Type	H07 V-K 1x10. Black	H07 V-K 1x10. Green yelow	H07 V-K 1x1. Green yelow	H07 V-K 1x1,5. Green yelow	H07 V-K 1x1,5. Green yelow	H07 V–K 1x1. Green yelow	H07 V-K 1x1. Blue	H07 V-K 1x1. Blue	H07 V—K 1x0,5. Dark blue	H07 V-K 1x1,5. Black	H07 V—K 1x1,5. Black	H07 V-K 1x1,5. Black	H07 V-K 1x1,5. Black	H07 V-K 1x1. Red	ТҮК	Dra	Liste															
Drahtliste / Wire list / Liste des tils	To To	3F1:1	3F1:3	3F1:5	4G2:91	4G2:92	462:93	XPE1:PE	XPE2:PE	XPE3:PE	4G2:95	-X2:PE	3M6:PE	3T5:PE +	3T5:N230	3U6:PE	3U6:V-	3A8:PE F	-X2:N	3M6:N	3A8:N	3Q3:1	303:3 H	3Q4:1	3Q4:3	3T5:L1 +	3T5:L2	3U6:L1 F	3U6:L2	305:1	M	L3.1 ML	DOCUMENT No:
	From			-X1:L3	3F1:2	3F1:4	3F1:6		XPE1:PE	XPE2:PE	XPE1:PE	XPE1:PE	–X2:PE	XPE1:PE	3T5:PE	XPE1:PE	3U6:PE	XPE1:PE	3T5:N230	3T5:N230	3U6:V-	3F1:2	3F1:4	303:1	3Q3:3	303:2	303:4	3Q4:2	3Q4:4	3T5:L	BY: A 10.4.2024	16.9.2024	DATE OF CREATION:
	No	L1.1	L2.1	L3.1	L1.2	L2.2	L3.2	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	N230	N230	۲– ۲–	C1	C2	C3	C4	C5	C6	C7	C8	60		BUSCH	

		Drahtliste / Wire list / Liste des fils	S		
	From	To	Type	Colour	Square
	3T5:L	3Q6:1	H07 V-K 1x1. Red	Red	1
	3Q5:2	6K1:11	H07 V-K 1x1. Red	Red	1
	6K1:14	-X2:L	H07 V-K 1x1. Red	Red	1
	3Q6:2	6K1:21	H07 V-K 1x1. Red	Red	1
	6K1:24	3M6:L	H07 V-K 1x1. Red	Red	1
	3U6:V+	307:1	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	307:2	3A8:L	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	462:13	4G2:01	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
I I	462:01	-X4:1	H07 V-K 1x0,5. Dark blue	Drak blue	0,5
	-X4:1	-X4:3	H07 V-K 1x0,5. Dark blue	Drak blue	0,5
I	-X4:2	462:19	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	-X4:3	-X5:3	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	-X5:3	557:1	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	5S7:2	4G2:37	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	4G2:37	4G2:38	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	4G2:18	-X5:6	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	4G2:27	6K1:A1	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	—X4:4	462:33	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	462:02	6K2:A1	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	6K1:31	-X5:1	H07 V-K 1x0,5. Orange	Orange	0,5
	6K1:34	-X5:2	H07 V-K 1x0,5. Orange	Orange	0,5
	6K2:11	-X5:7	H07 V-K 1x0,5. Orange	Orange	0,5
	6K2:12	-X5:8	H07 V-K 1x0,5. Orange	Orange	0,5
	4G2:55	6K1:A2	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	6K1:A2	6K2:A2	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
	: A 10.4.2024 B 11.9.2024 C 16.9.2024 EATION:	/w ver. ML Sch 2.1, L3.1 ML Sch 2.1, L3.1 ML Sch	ν σ	TYR Blower Drahtliste Wire list Liste des fils	A16 ►
	10.4.2024 INDEX DATE	MODIFICATION DES. AKIUUZZZ			SOTTWORE SEE VONI