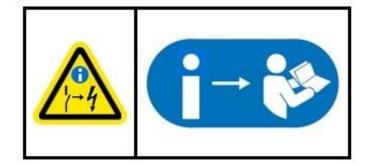


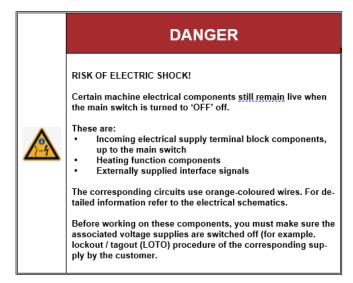
## **Electric switchboard AE-BU18MW**

### 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-BU18MW

#### 1. General

AE-BU18MW 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: 1400x600x400mm (HxWxL)

The switchboard consists of electric components, which ensure starting, running and safe operation of 18,5 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 4x10mm<sup>2</sup>. The blower motor is connected by shielded cable WL02 YSLCY 4x10 mm<sup>2</sup>. 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.

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### 3. Basic technical parameters

Rated voltage	3L+PE AC 380-415V +/-10% 50/60Hz
FLA	34A
Short circuit resistance	25kA
El. protection	IP54, after opening the cover IP20
Protection from dangerous touch	automatic disconnection from the source
Switchboard dimensions	1400x600x400mm
Weight – switchboard + control panel	75kg
Design according to	EN 60204-1 and EN 61439-1
Drawing documentation	AR100185
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 AX1059.000, dimensions 800x600x400mm 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, MC140131, 32-40A, 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, FC280P18K, 18,5kW, 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: 16.9.2024

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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
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
A	Initial version	10.4.2024	ML	DK

	DESIGNED	ML
BÜSCH	CONTROLED	DK
	CREATION DATE	10.4.2024

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## AE-BU18MW

Untertype/Subtype/Sous-type:

## For TYR Blower

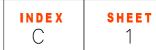
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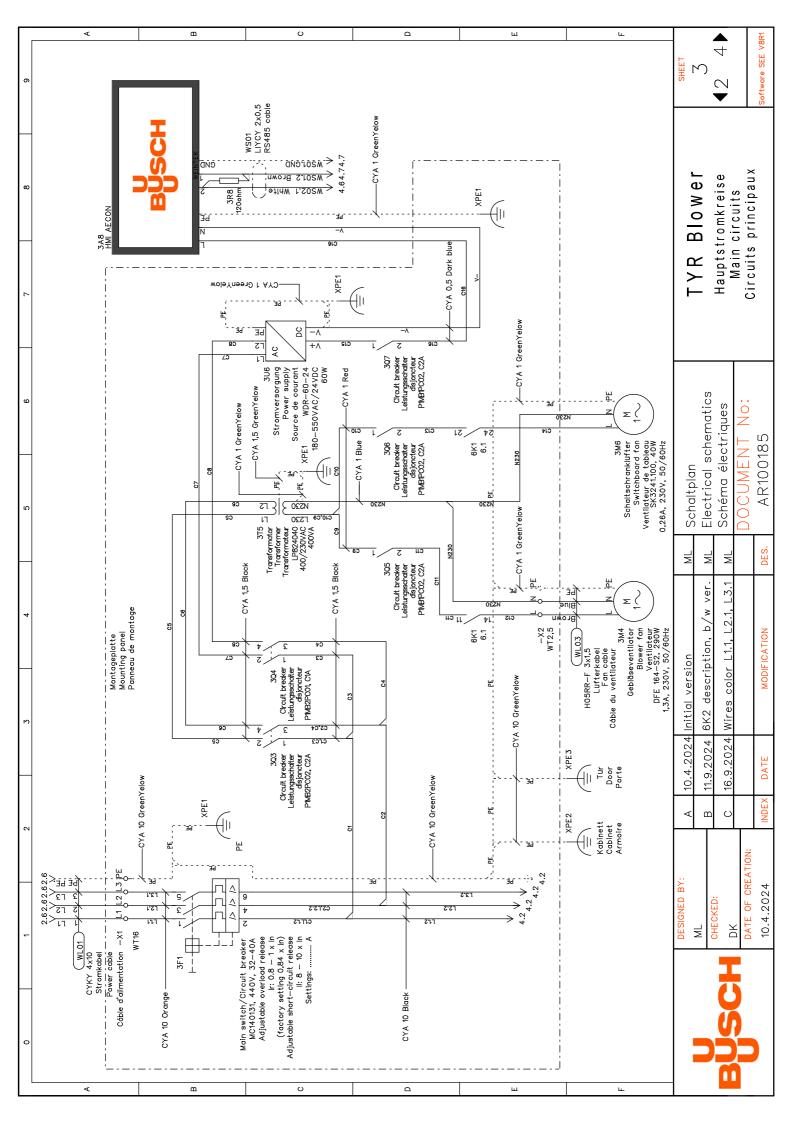
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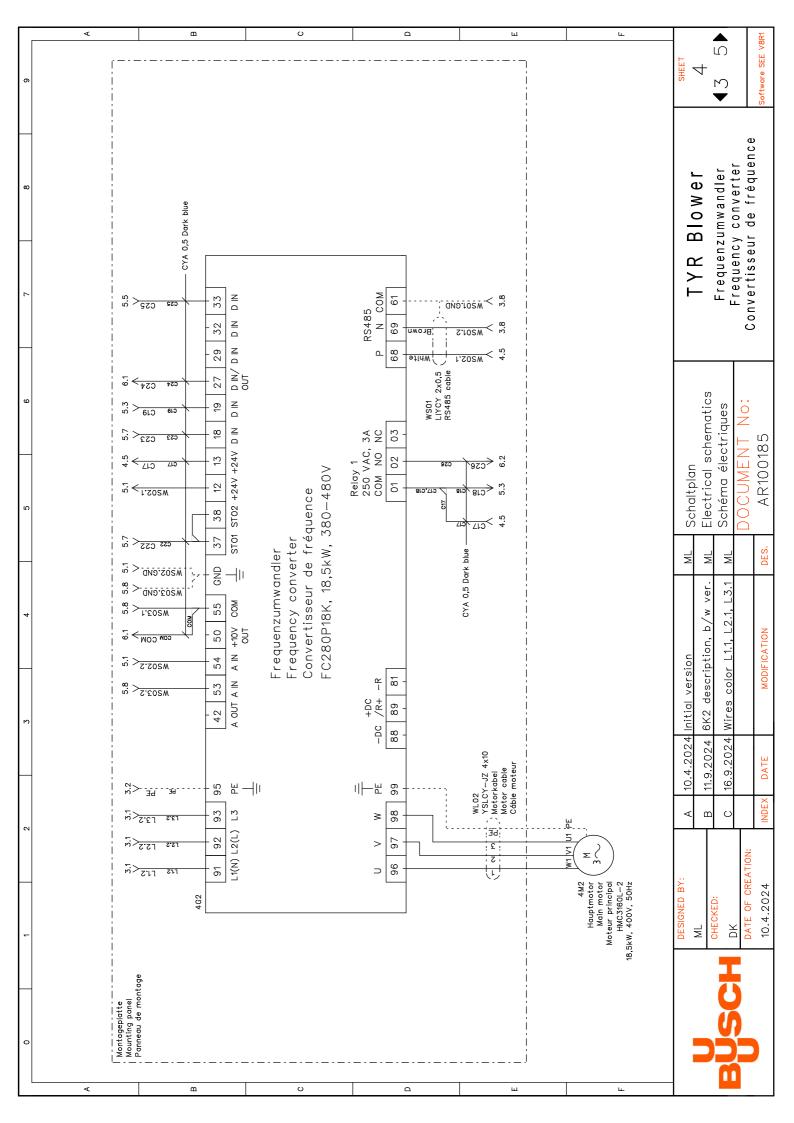
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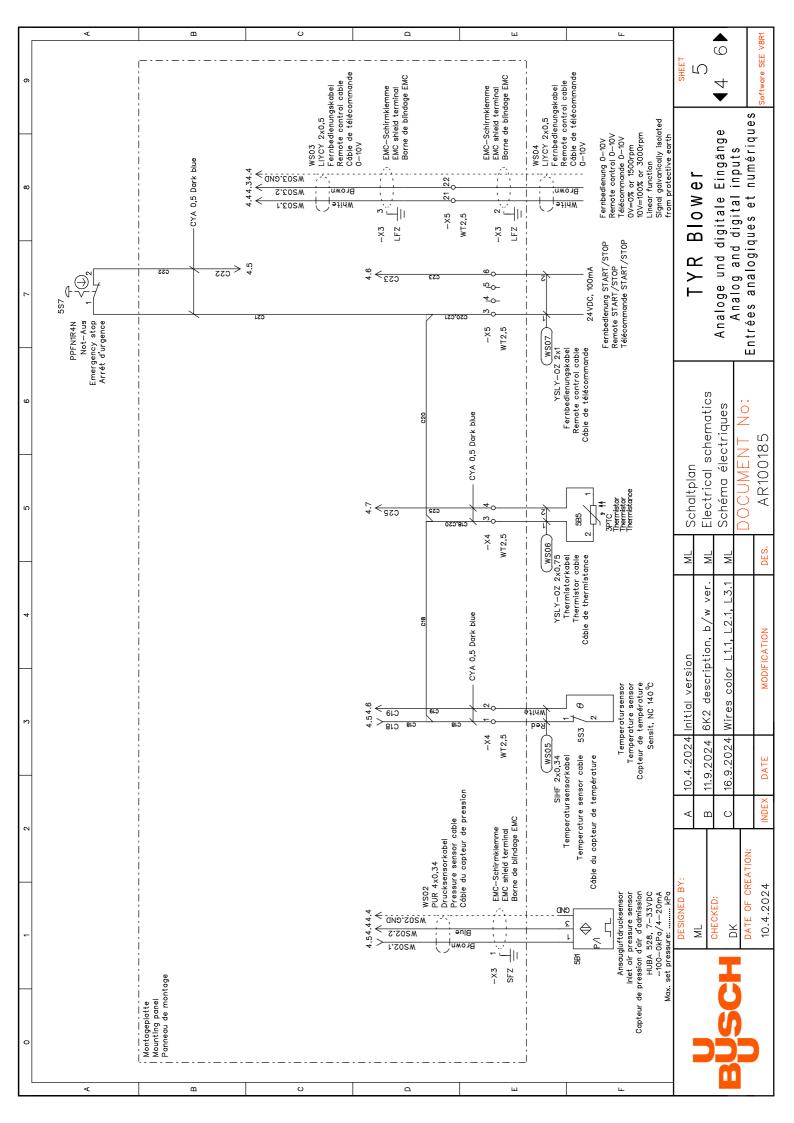
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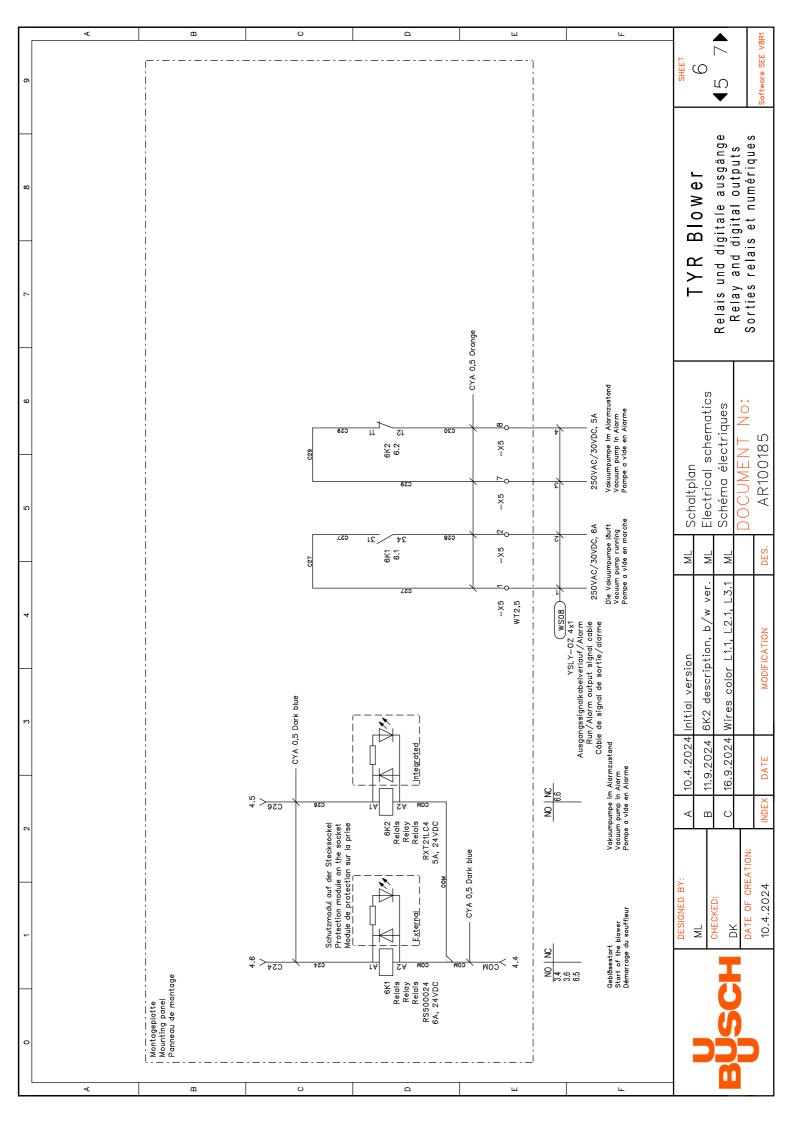


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б				IT network.		type 20A)	(20A) (25A)	(32A)	40A)	(63A)	80A)	(100A) (125A)	(160A)	(ZUUA)		<ul><li>▲ 1</li><li>3</li></ul>		Software SEE V8R1
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ø	to 45°C s at 20°C			· settings must be a	facturer for more de	z	AE-BU7MW AE-BU11MW	A E - B U 15 M W		AE-BUZZMW AE-BU30FW	AE-BU37FW	AE-BU45FW AE-BU55FW	$\square$	AE-BUGURW	Blower	Stromkreise des Kunden	Customer power supply uits d'alimentation du c	
7	re ambiente: 0 at 40°C to 90%			"IT: The frequency inverter settings must be adjusted for the IT network.	Please, contact the manuf	gauge input min. 2,5mm <sup>2</sup>	2,5mm <sup>2</sup> 4mm <sup>2</sup>			16mm <sup>2</sup>		25mm <sup>2</sup>		mmo/	ТҮК	Stromkrei	Circuits d'alimentation du	2
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3 4	atur / Ambient te Humidity range / ⁄ Altitude: up to 1	Customer power supply 3L+PE 380-415V +/-10% 50/60Hz Compatible with networks TN, TT,			-	Control box size (mm) FLA 600x380x350	600x380x350 1400x600x400	1400×600×400		1600x600x400 1600x600x400	1600×600×400	1800×800×400 1800×800×400	1800×800×400	1800×800×400	Initial version 6K2 description b/w ver	s color 111 121		MODIFICATION
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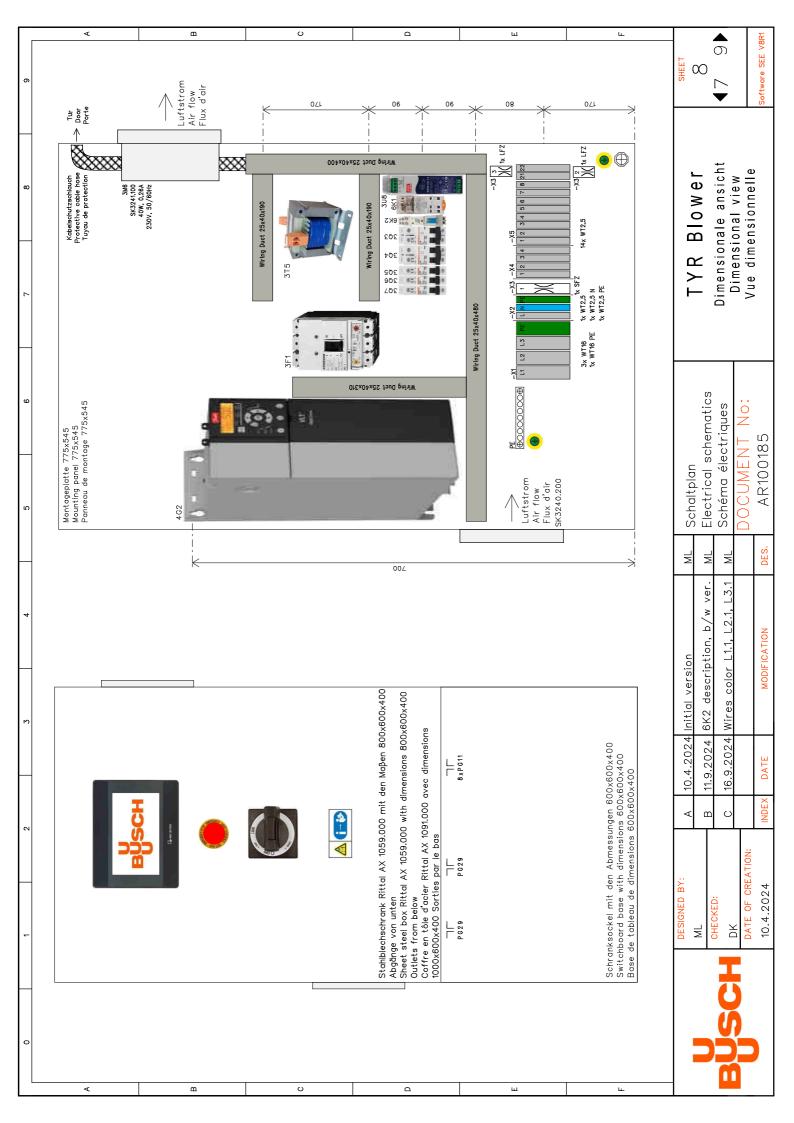








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luits	Type	MC140131, 440V, 32-40A, SCHRACK	P1MB2PC02, C2A, LOVATO	P1MB2PC01, C1A, LOVATO	P1MB1PC02, C2A, LOVATO	P1MB1PC02, C2A, LOVATO	P1MB1PC02, C2A, LOVATO	LP824040, SCHRACK	WDR-60-24, MEAN WELL	SK3241.100, 40W, 0,26A, 50/60Hz, RITTAL	AECON, ARDAT Systems, EN/DE	120 ohm	FC280P18K, 18,5kW, 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	C 16.9.2024 Wires color L1.1, L2.1, L3.1 ML Schéma électriques	INDEX DATE MODIFICATION DES. AR100185				
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	Sheet	3	4	3	3	IJ	5	ß	5	5	ũ	9	Blower der Kabel	of Cables des câbles
sâbles	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	List o Liste d
les / Liste des c	Connection 1	FC1	4G2	-X2	3A8	4G2	462	-X5 Fer	-X4	-X4	-X5 T	-X5 c	Schaltplan Electrical schematics Schéma électriques	DOCUMENT No: AR100185
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	Ausgangssignalkabelverlaut/Alarm / Run/Alarm output signal cable / Cáble de signal de sortie/alarme	10.4.2024 Initial version ML 11.9.2024 6K2 description, b/w ver. ML	DK         C         16.9.2024         Wires color L1.1, L2.1, L3.1         ML         V           DATE OF CREATION:
	Cablename (-)	WL01	WL02	WL03	WS01	WS02	WS03	WS04	WSO5	808	20SW	WS08	)	

		Drahtliste / Wire list / Liste des fils			
From		To 1	Type	Colour	Square
-X1:L1		3F1:1	H07 V-K 1x10. Black	Orange	10
-X1:L2		3F1:3	H07 V-K 1x10. Black	Orange	10
-X1:L3		3F1:5	H07 V-K 1x10. Black	Orange	10
3F1:2		4G2:91	H07 V-K 1x10. Black	Black	10
3F1:4		4G2:92	H07 V-K 1x10. Black	Black	10
3F1:6		462:93	H07 V-K 1x10. Black	Black	10
X1:PE		XPE1:PE	H07 V-K 1x10. Green yelow	Green yelow	10
XPE1:PE		XPE2:PE	H07 V-K 1x10. Green yelow	Green yelow	10
XPE2:PE		XPE3:PE	H07 V-K 1x10. Green yelow	Green yelow	10
XPE1:PE		402:95	H07 V-K 1x10. Green yelow	Green yelow	10
XPE1:PE		-x2:PE	H07 V-K 1x1. Green yelow	Green yelow	1
-X2:PE		3M6:PE	H07 V-K 1x1. Green yelow	Green yelow	-
XPE1:PE		3T5:PE	H07 V-K 1x1. Green yelow	Green yelow	1,5
3T5:PE		3T5:N230	H07 V-K 1x1. Green yelow	Green yelow	٢
XPE1:PE		3U6:PE	H07 V-K 1x1,5. Green yelow	Green yelow	-
3U6:PE		3U6:V-	H07 V-K 1x1,5. Green yelow	Green yelow	-
XPE1:PE		3A8:PE	H07 V-K 1x1. Green yelow	Green yelow	٢
3T5:N230		– X2:N	H07 V-K 1x1. Blue	Blue	٢
3T5:N230		3M6:N	H07 V-K 1x1. Blue	Blue	-
3U6:V-		3A8:N	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
3F1:2		303:1	H07 V-K 1x1,5. Black	Black	1,5
3F1:4		303:3	H07 V-K 1x1,5. Black	Black	1,5
303:1		3Q4:1	H07 V-K 1x1,5. Black	Black	1,5
3Q3:3		3Q4:3	H07 V-K 1x1,5. Black	Black	1,5
3Q3:2		3T5:L1	H07 V-K 1x1,5. Black	Black	1,5
3Q3:4		3T5:L2	H07 V-K 1x1,5. Black	Black	1,5
3Q4:2		3U6:L1	H07 V-K 1x1,5. Black	Black	1,5
3Q4:4		306:L2	H07 V-K 1x1,5. Black	Black	1,5
3T5:L	•	3Q5:1	H07 V-K 1x1. Red	Red	1
DESIGNED BY: ML	A 10.4.2024	Initial version ML Action b /w ver ML		TYR Blower	CHEET 16
CHECKED: DK		Wires color L1.1, L2.1, L3.1 ML		Drahtliste Wire list	▲1517▶
DATE OF CREATION: 10.4.2024	DN: INDEX DATE	MODIFICATION DES. AR100185	Liste	Liste des fils	Software SEE VBR1
- 101					

10   10   10   10   10   10   10   1			Drahtliste / Wire list / Liste des fils	S		
3001         3001         407 VK NA Red           607 VK NA Red         607 VK NA Red           700 VK NA Red         607 VK NA Red           701 VK NA Red         607 VK NA Red           702 VK NA Red         607 VK NA Red           703 VK NA Red         700 VK NA RA RA           700 VK NA RA RA         607 VK NA RA RA RA           700 VK NA RA RA         607 VK NA RA RA RA           700 VK NA RA RA         607 VK NA RA RA RA           700 VK NA RA RA         600 VK NA RA RA RA           700 VK NA RA RA         600 VK NA RA RA RA RA RA RA           700 VK NA RA		From	To	Type	Colour	Square
Notation         Interfact         Interfact <thinterfact< th="">         Interfact         <thinterfact< th=""> <thinterfact< th=""> <thint< td=""><td></td><td>3T5:L</td><td>306:1</td><td>H07 V-K 1x1. Red</td><td>Red</td><td>۲</td></thint<></thinterfact<></thinterfact<></thinterfact<>		3T5:L	306:1	H07 V-K 1x1. Red	Red	۲
-22L         H07 V-K ML Red           6K121         6K121         H07 V-K ML Red           6K121         3051         H07 V-K M0.5 Def           13071         3071         H07 V-K M0.5 Def           13071         3071         H07 V-K M0.5 Def           1407         V-K M0.5 Def         H07 V-K M0.5 Def           141		305:2	6K1:11	H07 V-K 1x1. Red	Red	1
image: matrix image:		6K1:14	-X2:L	H07 V-K 1x1. Red	Red	1
media         media <th< td=""><td></td><td>3Q6:2</td><td>6K1:21</td><td>H07 V-K 1x1. Red</td><td>Red</td><td>1</td></th<>		3Q6:2	6K1:21	H07 V-K 1x1. Red	Red	1
+         3071         -         407 V-K MGS, Deri 100 V-K MGS, Deri 1	.	6K1:24	3M6:L	H07 V-K 1x1. Red	Red	1
3.46.L         3.46.L         407 V-K 106.3. Dot           1		3U6:V+	307:1	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
8         42:01         42:01         407 v-k tuo.5. ber           1         - x4:1         - x4:3         - 407 v-k tuo.5. ber           - x4:3         - x4:3         - x4:3         - 407 v-k tuo.5. ber           - x4:3         - x4:3         - x4:3         - 402 v-k tuo.5. ber           - x5:3         - x5:3         - 402 v-k tuo.5. ber         - 407 v-k tuo.5. ber           - x5:3         - x5:3         - x5:3         - 407 v-k tuo.5. ber           - x5:3         - x5:3         - x5:3         - 407 v-k tuo.5. ber           - x5:3         - x5:4         - 402.3.6         - 407 v-k tuo.5. ber           - x5:4         - x5:6		307:2	3A8:L	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
1		462:13	462:01	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
		462:01	-X4:1	H07 V-K 1x0,5. Dark blue	Drak blue	0,5
402.14         402.14         402.14         402.14         402.14         402.14         403.14<		X4:1	-X4:3	H07 V-K 1x0,5. Dark blue	Drak blue	0,5
		-X4:2	462:19	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
55:1         55:1         H07 V-K \$6.0.5 bit           7         402:35         H07 V-K \$6.0.5 bit           8         402:35         H07 V-K \$6.0.5 bit           8        55.6         H07 V-K \$6.0.5 bit           7        55.6         H07 V-K \$6.0.5 bit           8         64:41         H07 V-K \$6.0.5 bit           8         64:41         H07 V-K \$6.0.5 bit           8         402:33         H07 V-K \$6.0.5 bit           8        55:1         H07 V-K \$6.0.5 bit           8        55:1         H07 V-K \$6.0.5 bit           9        55:3         H07 V-K \$6.0.5 bit           8        55:8         H07 V-K \$6.0.5 bit           8        55:8         H07 V-K \$6.0.5 bit           9        55:8         H07 V-K \$6.0.5 bit <td></td> <td>X4:3</td> <td>-X5:3</td> <td>H07 V-K 1x0,5. Dark blue</td> <td>Dark blue</td> <td>0,5</td>		X4:3	-X5:3	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
7         462.37         400 V-K \$60.5 Dot           7         462.36         400 V-K \$60.5 Dot           7         -X5.6         407 V-K \$60.5 Dot           7         6K1A1         407 V-K \$60.5 Dot           7         6K1A1         407 V-K \$60.5 Dot           8         407 V-K \$60.5 Dot         407 V-K \$60.5 Dot           8         6K1A1         407 V-K \$60.5 Dot           8         6K1A1         407 V-K \$60.5 Dot           8         -X5:1         407 V-K \$60.5 Dot           8         -X5:2         407 V-K \$60.5 Dot           9         -X5:2         407 V-K \$60.5 Dot           9         -X5:2         407 V-K \$60.5 Dot           9         -X5:2         400 V-K \$60.5 Dot		-X5:3	5S7:1	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
7         402:38         H07 V-K 1x0.5. bin           8         -X56         H07 V-K 1x0.5. bin           7         -K56         H07 V-K 1x0.5. bin           8         6         H07 V-K 1x0.5. bin           8         4         4         2.33           2         -K56         H07 V-K 1x0.5. bin           8         6         4         2.33           2         -K51         4         4           10         -K51         1         107 V-K 1x0.5. bin           10         -K51         -K51         107 V-K 1x0.5. bin           10         -K52         -K52         107 V-K 1x0.5. bin           10         -K52         -K52         107 V-K 1x0.5. bin           10         -K52         -         107 V-K 1x0.5. bin           11         6         -         6         107 V-K 1x0.5. bin           11         6         -         -		5S7:2	462:37	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
0        X5:6         H07 V-K 1k0.5. Data (kt.A1           7         ekt.A1         H07 V-K 1k0.5. Data (AC 2.33           2         462:A1         H07 V-K 1k0.5. Data (AC 2.44           2         -X5:1         6K2:A1           2         -X5:1         6K2:A1           2         -X5:2         H07 V-K 1k0.5. Data (AC 2.45)           2         -X5:1         -X5:2           2         -X5:2         H07 V-K 1k0.5. Data (AC 2.45)           2         -X5:2         -X5:2           2         -X5:2         H07 V-K 1k0.5. Data (AC 2.45)           2         -X5:2         H07 V-K 1k0.5. Data (AC 2.45)           3         -X5:4         H07 V-K 1k0.5. Data (AC 2.45)           4         10.4.2.024         M110 V-K 1k0.5. M12<		4G2:37	4G2:38	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
7         6Kt.A1         407 V-K tho.5. Data           2         462:33         407 V-K tho.5. Data           2         6K2:13         407 V-K tho.5. Data           2         -X5:1         407 V-K tho.5. Data           2         -X5:1         407 V-K tho.5. Data           407 V-K tho.5. Data         407 V		4G2:18	-X5:6	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
2       422:33       407 V-K 1x0.5. Deri 6K2:A1       407 V-K 1x0.5. Deri 1407 V-K 1x0.5. Deri 7-X5:7       407 V-K 1x0.5. Deri 7-X5:07       407 V-K 1x0.5. Deri 1407 V-K 1x0.5. Deri 7-X5:7         2      X5:7      X5:7       407 V-K 1x0.5. Deri 1407 V-K 1x0.5. Deri 7-X5:7       407 V-K 1x0.5. Deri 1407 V		4G2:27	6K1:A1	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
2         6K2:31         H07 V-K tx0.5. 0ra		—X4:4	4G2:33	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
X5:1      X5:1       H07 V-K 1x0.5. Ora        X5:2      X5:2       H07 V-K 1x0.5. Ora        X5:1      X5:3       H07 V-K 1x0.5. Ora        X5:2      X5:3       H07 V-K 1x0.5. Ora        X5:1      X5:3       H07 V-K 1x0.5. Ora        X5:2      X5:3       H07 V-K 1x0.5. Ora        X5:1      X5:3       H07 V-K 1x0.5. Dari        X5:2       6K1:A2       H07 V-K 1x0.5. Dari        X5:1       6K2:A2       H07 V-K 1x0.5. Dari		4G2:02	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
-X5:7         -X5:3         HO7 V-K 1x0.5. Oral           5         -X5:8         HO7 V-K 1x0.5. Oral           5         6K1:A2         HO7 V-K 1x0.5. Darl           6         6K1:A2         6K1:A2           7         6K2:A2         HO7 V-K 1x0.5. Darl           8         10.4.2024         Intial version           8         10.4.2024         MI16           8         11.9.2024         MI16           8         11.9.2024         MI2           8         11.9.2024         MI           8         11.9.2024         MI2           9         11.9.2024         MI2           9         Schéma électriques           9         Schéma électriques           10         10.4.2024           11         NO1           11         NO1           12         A100185		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
B       6K1:A2       H07 V-K 1x0.5. Dar         C       6K2:A2       H07 V-K 1x0.5. Dar         B       10.4.2024       K2.40         B       11.9.2024       K2 description, b/w ver.         B       11.9.2024       K2 description, b/w ver.         C       16.9.2024       K1.1, L2.1, L3.1         MDEX       DOCUMENT NO:         A       DOCUMENT NO:		6K2:12	- X5:8	H07 V-K 1x0,5. Orange	Orange	0,5
BY: A 10.4.2024 Initial version ML Schaltplan BY: A 10.4.2024 Initial version ML Schaltplan C 16.9.2024 Kres color L1.1, L2.1, L3.1 ML Schéma électriques C 16.9.2024 Wires color L1.1, L2.1, L3.1 ML Schéma électriques NDEX DATE MODIFICATION DES AR100185		4G2:55	6K1:A2	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
BY:     A     10.4.2024     Initial version     ML     Schaltplan       B     119.2024     6K2 description, b/w ver.     ML     Electrical schematics       C     16.9.2024     Wires color L1.1, L2.1, L3.1     ML     Schematics       SREATION:     NDEX     DOCUMENT     NO:		6K1:A2	6K2:A2	H07 V-K 1x0,5. Dark blue	Dark blue	0,5
BY:     A     10.4.2024     Initial version     ML     Schaltplan       B     11.9.2024     6K2 description, b/w ver.     ML     Electrical schematics       C     16.9.2024     Wires color L1.1, L2.1, L3.1     ML     Schema électriques       C     16.9.2024     Wires color L1.1, L2.1, L3.1     ML     Schema électriques       C     16.9.2024     Wires color L1.1, L2.1, L3.1     ML     Schéma électriques       ARION:     DOCUMENT     No:     AR100185						
BY:     A     10.4.2024     Initial version     ML     Schaltplan       B     11.9.2024     6K2 description, b/w ver.     ML     Electrical schematics       C     16.9.2024     Wires color L1.1, L2.1, L3.1     ML     Schéma électriques       SREATION:     Impex     DOCUMENT     No:       At     INDEX     DATE     MODIFICATION     DS:						
		BY: A 10.4.2024 B 11.9.2024 C 16.9.2024 C 16.9.2024 C 16.9.2024 C 16.9.2024	on, b/w ver. ML Schaltplar en, b/w ver. ML Electrical 1.1, L2.1, L3.1 ML Schéma é ATION DES. AR10(		Blower antliste re list	sheet 17 16 Softwore SEE V8R1