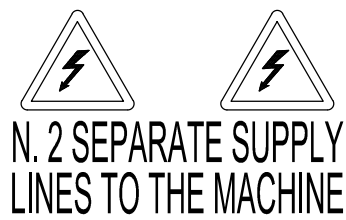
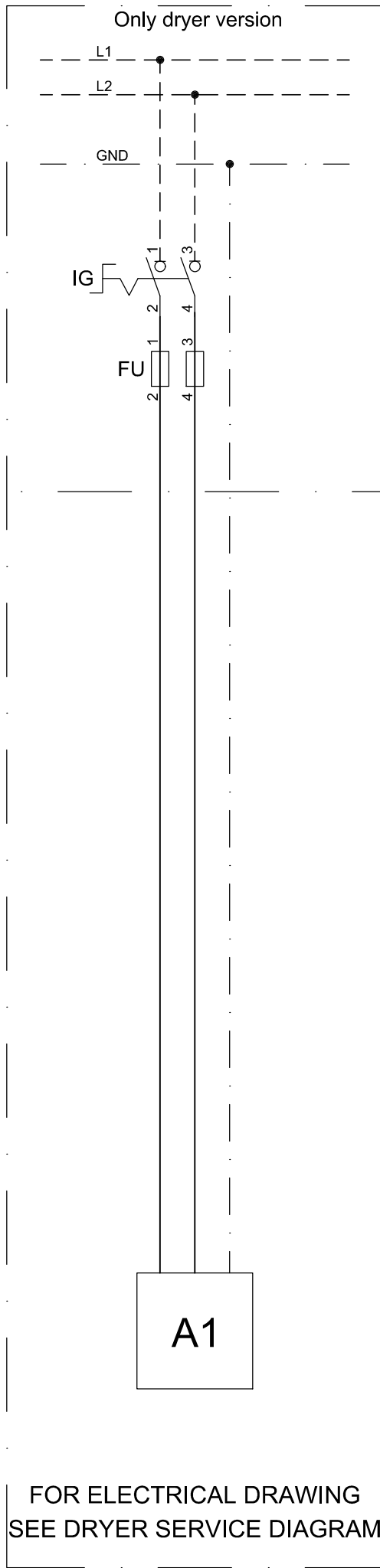


Note	Position	Modified from	Date	Intr./Appd.
01		Modified F21 set, DN20062835, CID27768.	2020/11/20	A-Frizzarin



N. 2 SEPARATE SUPPLY
LINES TO THE MACHINE

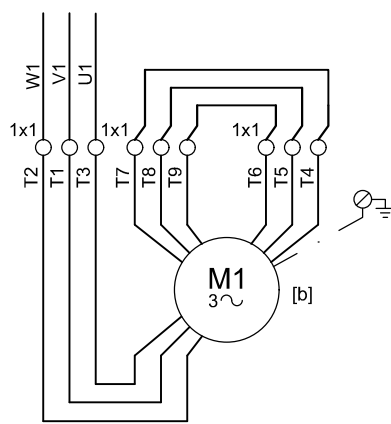
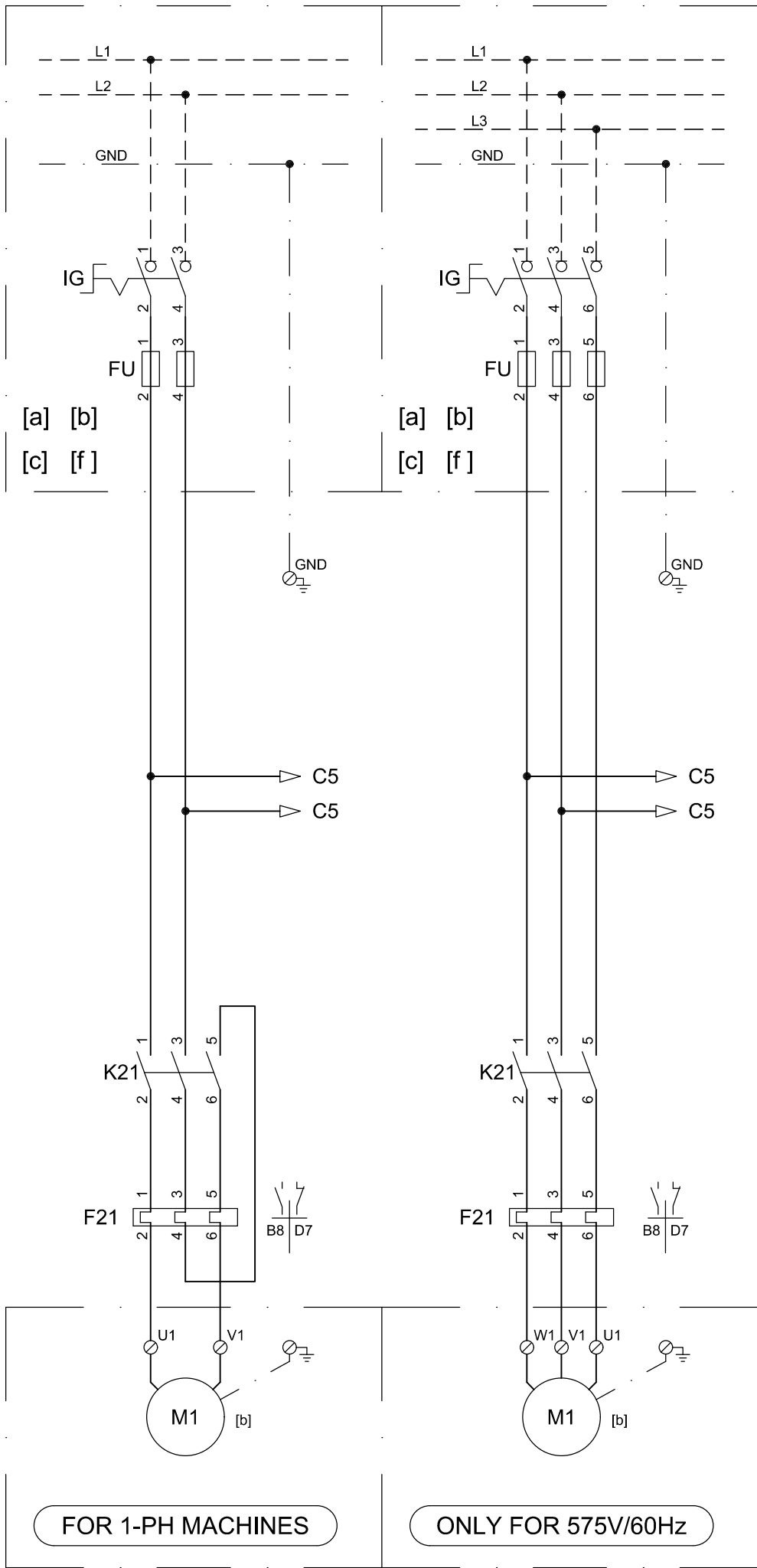


Customer's Installation

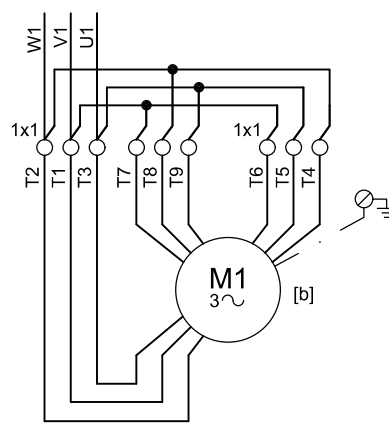
COMPULSORY INSTALLATION AT CUSTOMER CARE
Disconnecter switch (IG) + protection fuses (FU)

FOR 1-PH MACHINES

FOR 3-PH MACHINES



ONLY FOR 460V/60Hz



FACTORY SETTING

ONLY FOR 208-230V/60Hz

Power [kW]	Voltage	Total FLA [A]	Fuses FU Type J or RK
2.2	208V	12.5	15A
	230V	11.0	12A
	460V	5.5	7A
4	208V	19.0	25A
	230V	17.0	25A
	460V	8.5	12A
5.5	208V	26.0	30A
	230V	17.0	30A
	460V	8.5	15A
7.5	208V	36.0	45A
	230V	32.5	45A
	460V	16.0	25A
2.2	230V/1	18.5	25A
4	230V/1	30.0	40A
5.5	230V/1	35.0	45A

[a] Maximum fuses with regard to short circuit protection of starter. Cable section might impose fuses of smaller value. For indirect contact protection, the safety condition must be verified at the installation place.

[b] Power supply to be connected for:
COUNTER CLOCKwise rotation of comp. motor,
Rotation to be observed while facin the drive end shaft of the motors

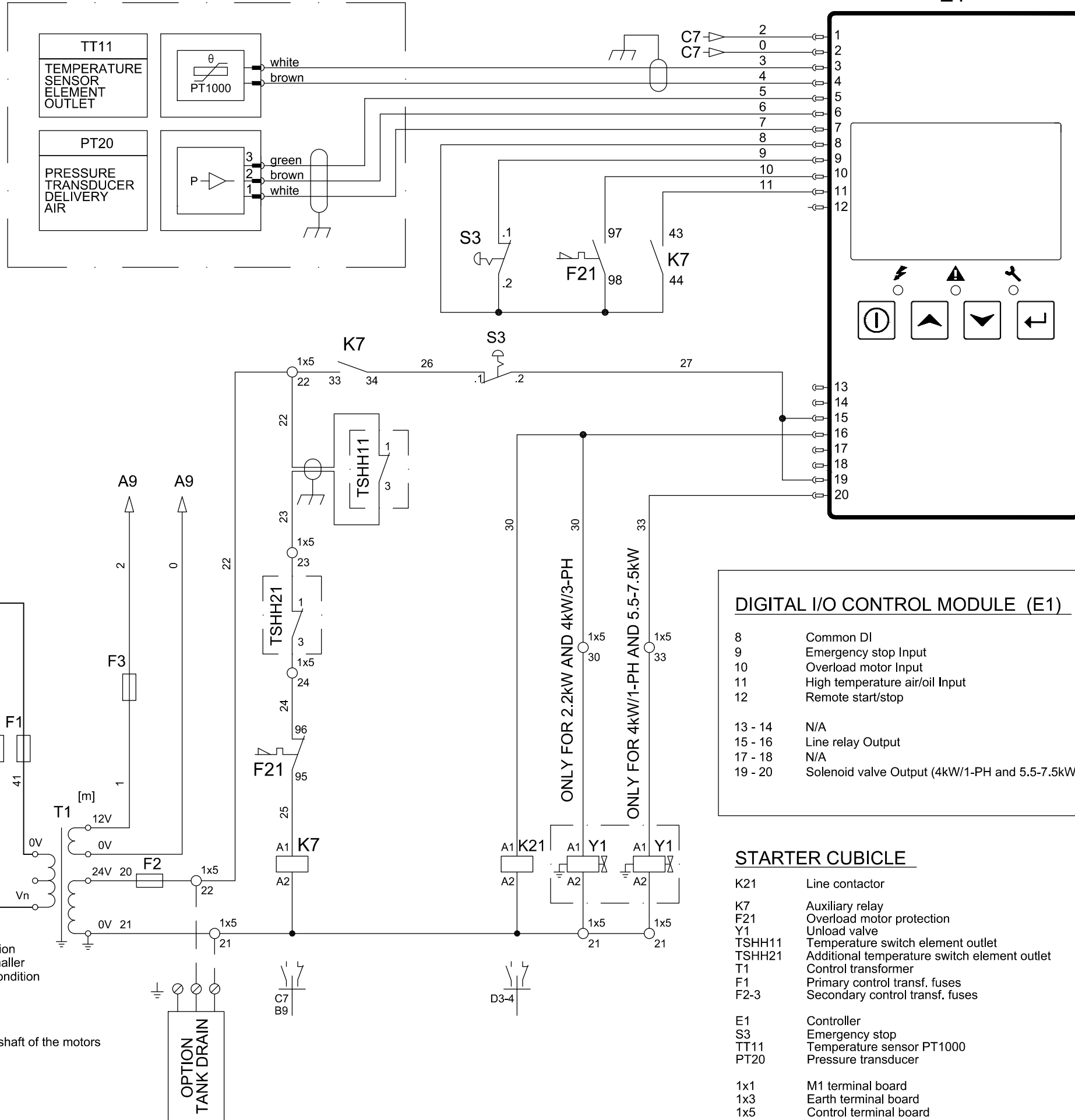
[c] Max cable length from protection (FU) to the unit:
23ft (7m). IG size >=1.25xFLA

[f] For field wiring: use copper wire only

[m] Only for tri-voltage units: connect to terminal equal to power supply line voltage (factory setting 230V)

Power [kW]	Phases	Voltage	FLA M1 [A]	F21 set [A]
2.2	3	208V	12.2	13.0
	3	230V	11.0	12.0
	3	460V	5.5	6.0
4	3	208V	18.7	20.0
	3	230V	16.9	18.0
	3	460V	8.5	9.0
5.5	3	208V	25.7	27.0
	3	230V	23.3	24.0
	3	460V	11.7	12.0
7.5	3	208V	35.8	35.0
	3	230V	32.4	31.0
	3	460V	16.1	15.5
2.2	1	230V	18.4	19.0
4	1	230V	30.0	31.0
5.5	1	230V	34.6	36.0

01



DIGITAL I/O CONTROL MODULE (E1)

8	Common DI
9	Emergency stop Input
10	Overload motor Input
11	High temperature air/oil Input
12	Remote start/stop
13 - 14	N/A
15 - 16	Line relay Output
17 - 18	N/A
19 - 20	Solenoid valve Output (4kW/1-PH and 5.5-7.5kW)

STARTER CUBICLE

K21	Line contactor
K7	Auxiliary relay
F21	Overload motor protection
Y1	Unload valve
TSHH11	Temperature switch element outlet
TSHH21	Additional temperature switch element outlet
T1	Control transformer
F1	Primary control transf. fuses
F2-3	Secondary control transf. fuses

E1	Controller
S3	Emergency stop
TT11	Temperature sensor PT1000
PT20	Pressure transducer

1x1	M1 terminal board
1x3	Earth terminal board
1x5	Control terminal board

COMPRESSOR

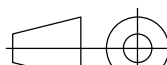

M1	Motor
A1	Dryer

List Material

G2-7 DOL BC	DOCUMENT
TRIV 3-phases 60Hz	2205034710
230V 1-phase 60Hz	2205034720

All materials supplied are in compliance with the requirements of the List of Prohibited Substances

Tightening Torque				
Contactor terminal	M3.5	M4	M6	M8
Main Recomm. Torque [Nm]	1.5	2.5	4.0	6.0
Aux Recomm. Torque [Nm]	1.2	1.2	1.2	1.2
Transformer terminal	T1	T2	T3	
Recomm. Torque [Nm]	0.5-1.0	0.5-1.0	0.5-1.0	

Tolerances, if not indicated, according to:		General tolerances						
ATLAS COPCO STANDARD Class		1350K - V						
Name		SERVICE DIAGRAM			C43 G2-7 UL		Confidentiality class acc. to 1102 K Internal ACDE	
Material		Not Applicable						
Treatment		Not Applicable						
		Scale	Family		Compare		Drawing owner	Transferred from
		Drawn by ATLAS COPCO/Calafrazzarin	Blank nr.		Replaces		CAI	
STATUS		Drawing format A2	Blank wt.	Kg	Fin. wt.	Kg	Designation Sheet () 01 01	
Approved Internal		Des checked.	Prod checked.	Approved.	Date 27/05/2020 16:34:43	2205034700		