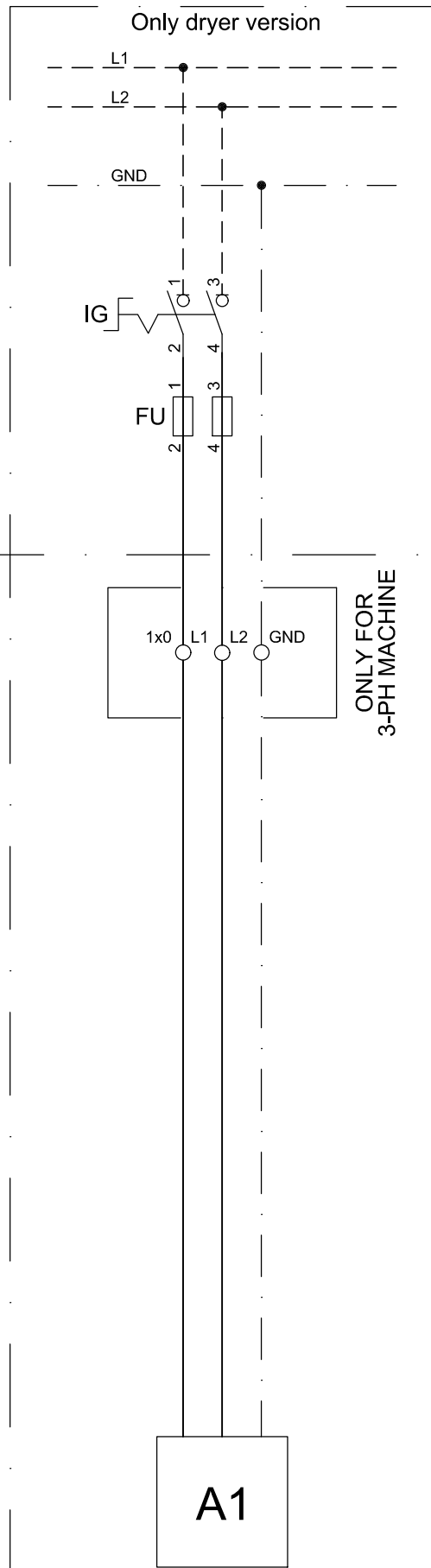


Note	Position	Modified from	Date	Intr./Appd.
01		Modified F21 set, DN20062835, CID27768	2020/11/20	A-Frizzarin

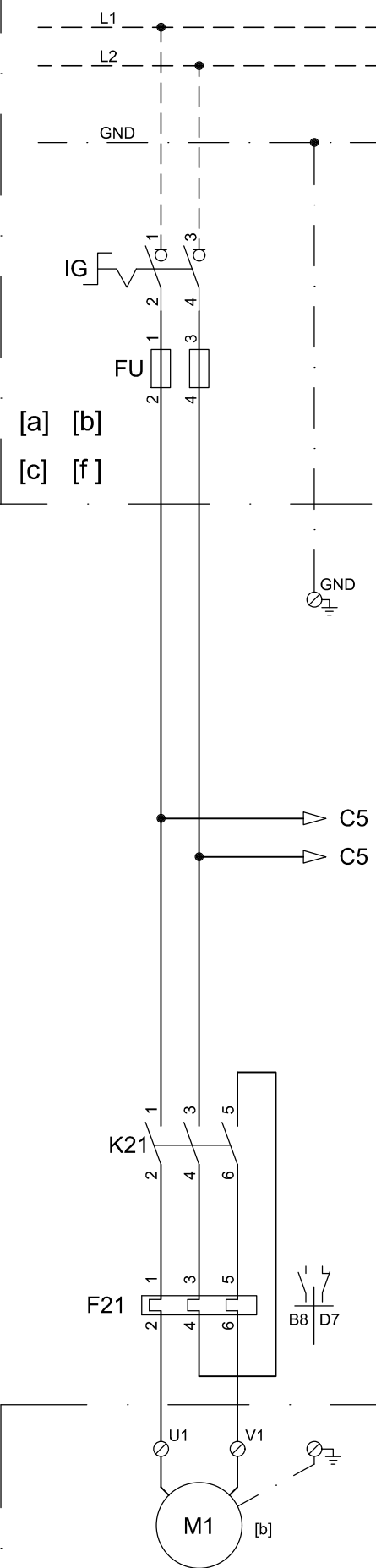
N. 2 SEPARATE SUPPLY LINES TO THE MACHINE



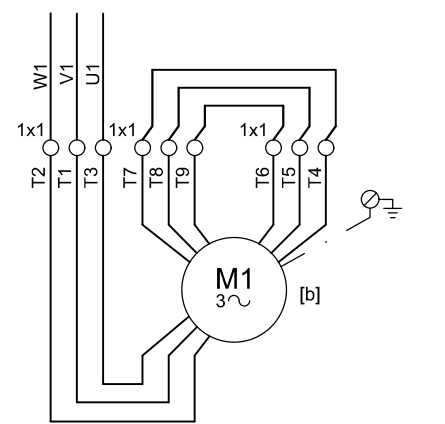
Customer's Installation

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

FOR 1-PH MACHINES

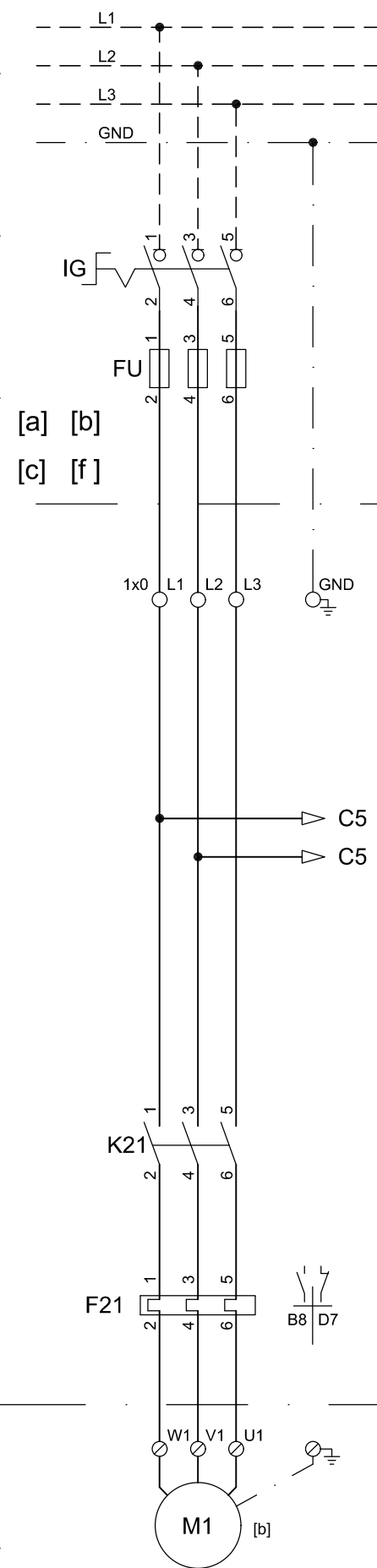


FOR 1-PH MACHINES

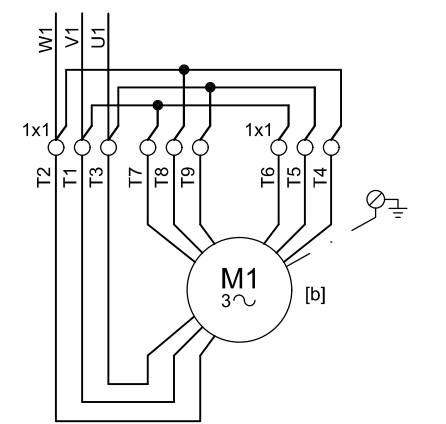


ONLY FOR 460V/60Hz

FOR 3-PH MACHINES



ONLY FOR 575V/60Hz

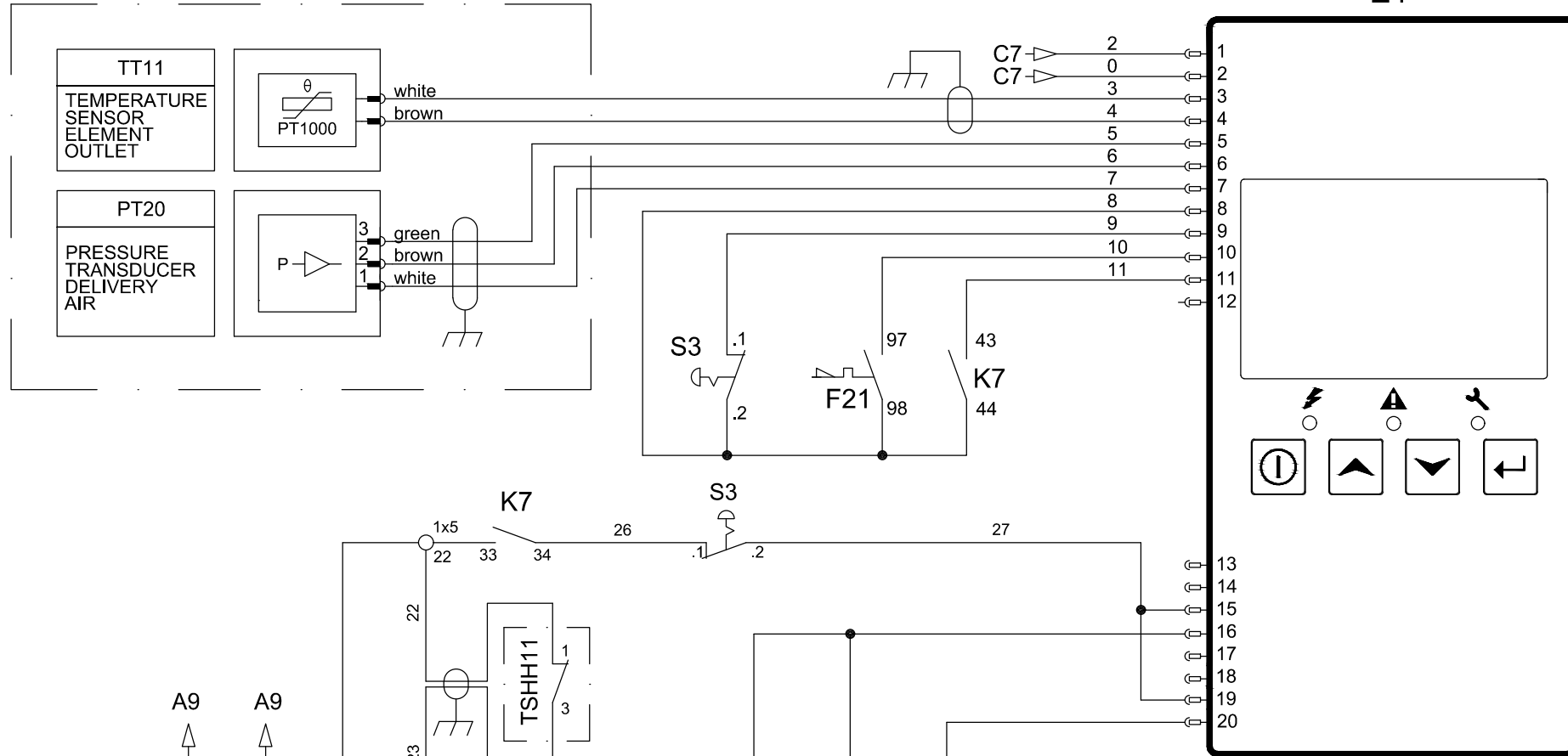


ONLY FOR 208-230V/60Hz

Power [kW]	Voltage	Nominal Voltage	Total FLA [A]	Fuses FU HRC Form II	Minimum cross section
2.2	208V	208V	12.5	15A	AWG12
	230V	240V	11.0	12A	AWG12
	460V	480V	5.5	7A	AWG14
4	208V	208V	19.0	25A	AWG12
	230V	240V	17.0	25A	AWG12
	460V	480V	8.5	12A	AWG14
5.5	208V	208V	26.0	30A	AWG10
	230V	240V	17.0	30A	AWG10
	460V	480V	8.5	15A	AWG14
7.5	208V	208V	36.0	45A	AWG8
	230V	240V	32.5	45A	AWG8
	460V	480V	16.0	25A	AWG12
2.2	575V	600V	4.5	6A	AWG6
4	575V	600V	7.0	10A	AWG6
5.5	575V	600V	9.5	12A	AWG10
7.5	575V	600V	12.0	15A	AWG14
2.2	230V/1	240V/1	18.5	25A	AWG14
4	230V/1	240V/1	30.0	40A	AWG14
5.5	230V/1	240V/1	35.0	45A	AWG14

- [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]	Service Factor
2.2	3	208V	12.2	13.0	1.45
	3	230V	11.0	12.0	
	3	460V	5.5	6.0	
4	3	208V	18.7	20.0	1.3
	3	230V	16.9	18.0	
	3	460V	8.5	9.0	
5.5	3	208V	25.7	27.0	1.3
	3	230V	23.3	24.0	
	3	460V	11.7	12.0	
7.5	3	208V	35.8	35.0	1.2
	3	230V	32.4	31.0	
	3	460V	16.1	15.5	
2.2	3	575V	4.4	4.5	1.45
4	3	575V	6.8	7.0	1.3
5.5	3	575V	9.3	10.0	1.3
7.5	3	575V	11.9	12.5	1.2
2.2	1	230V/1	18.4	19.0	1.45
4	1	230V/1	30.0	31.0	1.3
5.5	1	230V/1	34.6	36.0	1.2



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 |

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 |

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	

List Material	
G2-7 DOL BC	DOCUMENT
TRIV 3-phases 60Hz	2205034760
230V 1-phase 60Hz	2205034770
575V 3-phases 60Hz	2205034780

Tolerances, if not indicated, according to:		General tolerances			
ATLAS COPCO STANDARD Class		1350K - V			
Name	SERVICE DIAGRAM		C43 G2-7 CSA		Confidentiality class acc. to 1102 K
Material	Not Applicable				Internal
Treatment	Not Applicable				ACDE
Scale	Family		Compare		Drawing owner
Drawn by ATLASCOPCO/CALafrizzarin	Blank nr.		Replaces		CAI
Drawing format A2	Blank wt.		Kg		Fin. wt.
Des checked.	Prod checked.		Approved.		Date
Parent 3D Model		Ed.Version 3D		27/05/2020 16:34:25	
Approved Internal		2205034750		01 01	