

Compulsory customer installation

| DRYER RATE  |                     |               |                          |                         |                  |                  |                         |
|-------------|---------------------|---------------|--------------------------|-------------------------|------------------|------------------|-------------------------|
| SIZE        | SUPPLY LINE VOLTAGE | TOTAL FLA [A] | LARGEST MOTOR M1 FLA [A] | FU FUSES (RK or J type) | M2 MOTOR FLA [A] | M3 MOTOR FLA [A] | Q2-Q3 SETTING POINT [A] |
| E15         | 460 / 60            | 10.4          | 8.4                      | 15                      | 2                | ---              | 2.5                     |
| E16         | 460 / 60            | 11.2          | 9.2                      | 17.5                    | 2                | ---              | 2.5                     |
| E17         | 460 / 60            | 13.3          | 11.3                     | 20                      | 2                | ---              | 2.5                     |
| E17,5       | 460 / 60            | 13.8          | 11.8                     | 20                      | 2                | ---              | 2.5                     |
| E18         | 460 / 60            | 16.4          | 12.4                     | 25                      | 2                | 2                | 2.5                     |
| E18,5 - E19 | 460 / 60            | 18.3          | 14.3                     | 25                      | 2                | 2                | 2.5                     |
| E20         | 460 / 60            | 20.5          | 16.5                     | 30                      | 2                | 2                | 2.5                     |
| E21         | 460 / 60            | 21.0          | 17.0                     | 30                      | 2                | 2                | 2.5                     |
| E22         | 460 / 60            | 29.7          | 23.4                     | 45                      | 3.2              | 3.2              | 3.5                     |

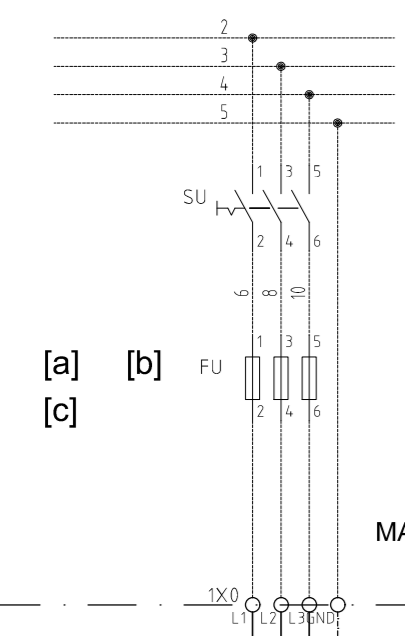
⚠ CHECK ALL ELECTRICAL CONNECTIONS TIGHTENING according with table below EACH YEAR OR EACH 4000 WORKING HOURS depending on the first elapsed service interval.

| 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              | T1      |     |     |     |
| Recomm. Torque [Nm]      | 0,5-1,0 |     |     |     |

NOTES

- [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] Max cable length from protection (FU) to the unit: 23ft (7m). SU size  $\geq 1.25 \times FLA$
- [c] For field wiring: use copper wire only
- [d] Q3, K3 and M3 only for codes 2205044704-5-6
- [e] Only for codes 2205044705-6

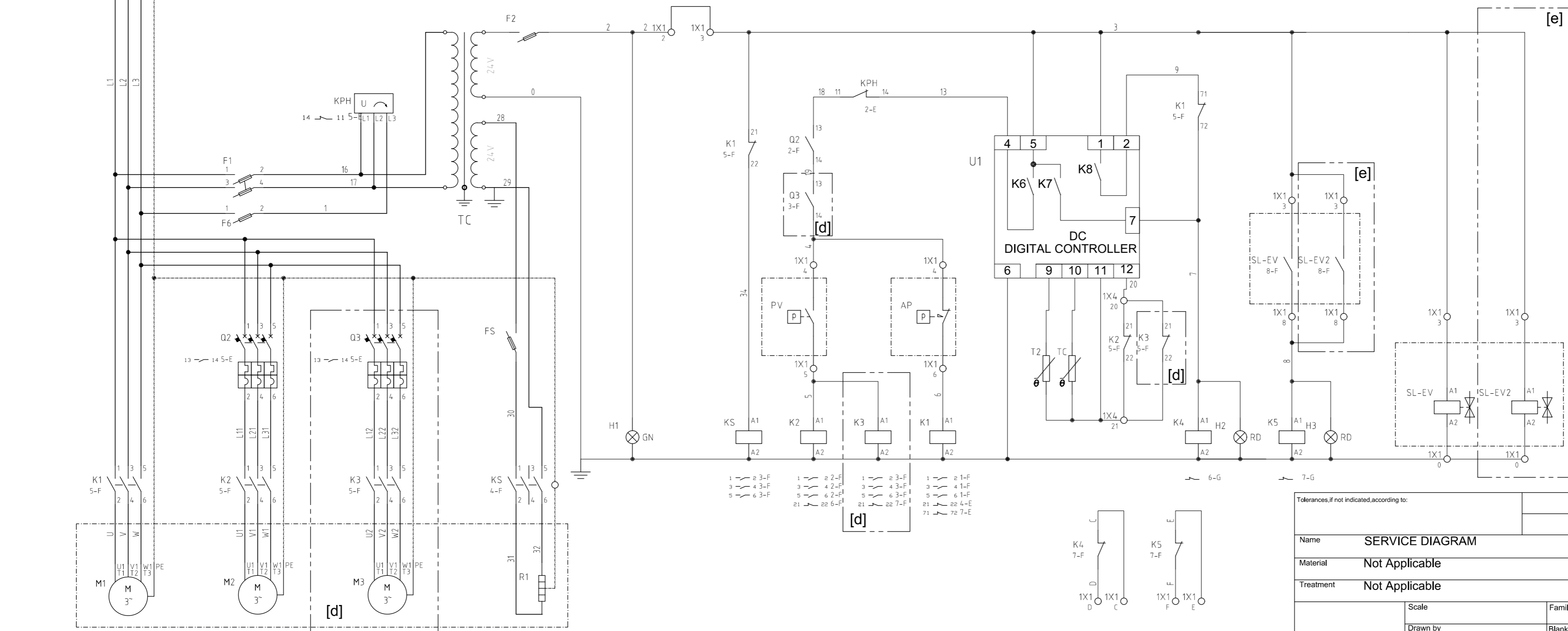
2205044710 LIST OF ELECTRICAL MATERIALS



MAIN SUPPLY

ELECTRICAL LEGEND

- SU Disconnector switch (Customer installation)
- FU Dryer protection fuses (Customer installation)
- M1 Refrigerant Compressor motor
- M2-M3 Fan motor
- K1 Compressor motor contactor
- R1 Crankcase heater
- 1X1 Terminal block
- 1X0 Power terminal block
- K2-K3 Fan contactor
- KS Heater contactor
- Q1-Q2 Fan motor protection
- SL-EV Drain Valve
- SL-EV2 Drain Valve
- TC Control transformer
- F1-F6 Primary transf. fuses
- F2 Secondary control circuit transf. fuses
- FS Secondary heater transf. fuses
- H1 Voltage presence lamp
- H2 High pressure fault lamp
- H3 Drain fault lamp
- PV Fan pressure switch
- AP High pressure switch
- T1 Temperature sensor P2 NTC - PDP
- T2 Temperature sensor P3 PTC - Compr. temp.
- K4 Aux relay
- K5 Aux relay
- KPH Phase sequence control switch



CONFIDENTIAL: This document is property of Atlas Copco AB and shall not be used without our permission. All rights reserved. Copying, distribution or manufacturing is prohibited without our written permission.

| Note | Position | Modified from                         | Date       | Intr./Appd. |
|------|----------|---------------------------------------|------------|-------------|
| 02   |          | Note corrected - CID28341, DN22054154 | 21/12/2022 | D. Razzani  |

Tolerances if not indicated, according to:

|                   |                 |                  |                     |                                      |
|-------------------|-----------------|------------------|---------------------|--------------------------------------|
| Name              | SERVICE DIAGRAM | E15-22 460/60 UL |                     | Confidentiality class acc. to 1102 K |
| Material          | Not Applicable  |                  |                     | Internal                             |
| Treatment         | Not Applicable  |                  |                     | ACDE                                 |
| Scale             |                 | Family           | Compare             | Drawing owner                        |
| Drawn by          | ATLAS COPCO     | Blank nr.        | Replaces            | Transferred from                     |
| Drawing format    | A2              | Blank wt.        |                     | ITJ                                  |
| Des checked.      |                 | Prod checked.    | Approved.           |                                      |
| Parent 3D Model   | Ed. Version 3D  | Designation      | Sheet ( ) 01 01     |                                      |
| Approved Internal |                 | Date             | 28/07/2022 09:26:56 |                                      |

2205044700