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|                                 | A                                                                         |  | B                                                             |  | C                                                                      |  | D                                                                     |  | E |  | F |  |
| LISTA DEI COMPONENTI/PARTS LIST | IT                                                                        |  | EN                                                            |  | FR                                                                     |  | DE                                                                    |  |   |  |   |  |
|                                 | INTERRUTTORI                                                              |  | SWITCHES                                                      |  | INTERRUPTER                                                            |  | SCHALTER                                                              |  |   |  |   |  |
| SA1                             | Selettore posto di comando (terra)                                        |  | Control seat selector                                         |  | Selecteur postes de commande                                           |  | Wahlschalter Bedienstelle                                             |  |   |  |   |  |
| SA2                             | Selettore sollevamento/discesa pantografo (terra)                         |  | Pantograph lifting/lowering selector (ground)                 |  | S lecteur mont e/descente pantographe (du bas)                         |  | Wahlschalter Heben/Senken Pantograph (Boden)                          |  |   |  |   |  |
| SA3                             | Selettore sollevamento/discesa jib (terra)                                |  | Jib lifting/lowering selector (ground)                        |  | S lecteur mont e/descente jib (du bas)                                 |  | Wahlschalter Heben/Senken Jib (Boden)                                 |  |   |  |   |  |
| SA4                             | Selettore estensione/rientro braccio (terra)                              |  | Extension/retraction arm selector (ground)                    |  | S lecteur extension/rentr e bras (du bas)                              |  | Wahlschalter Aus/Einziehen Ausleger (Boden)                           |  |   |  |   |  |
| SA5                             | Selettore sollevamento/discesa braccio (terra)                            |  | Arm lifting/lowering selector (ground)                        |  | S lecteur mont e/descente bras (du bas)                                |  | Wahlschalter Heben/Senken Ausleger (Boden)                            |  |   |  |   |  |
| SA6                             | Selettore bilanciamento cestello (terra)                                  |  | Basket balancing selector (ground)                            |  | S lecteur  quilibrage panier (du bas)                                  |  | Wahlschalter Korbausgleich (Boden)                                    |  |   |  |   |  |
| SA7                             | Selettore rotazione destra/sinistra cestello (terra)                      |  | Right/left basket rotation selector (ground)                  |  | S lecteur rotation droite/gauche panier (du bas)                       |  | Wahlschalter Korbdr hung rechts/links (Boden)                         |  |   |  |   |  |
| SA8                             | Selettore rotazione sinistra/destra torretta (terra)                      |  | Left/right turret rotation selector (ground)                  |  | S lecteur rotation gauche/droite tourelle (du bas)                     |  | Wahlschalter Turmdr hung links/rechts (Boden)                         |  |   |  |   |  |
| SA9                             | Selettore allargamento cingoli (piattaforma)                              |  | Track widening switch (platform)                              |  | S lecteur  largissement chenilles (de la plateforme)                   |  | Wahlschalter Raupenerweiterung (plattform)                            |  |   |  |   |  |
| SA10                            | Selettore velocit  di trazione (piattaforma)                              |  | Traction speed selector (platform)                            |  | S lecteur vitesse traction (de la plateforme)                          |  | Schalter Fahrgeschwindigkeit (plattform)                              |  |   |  |   |  |
| SA11                            | Selettore velocit  motore endotermico (piattaforma)                       |  | Endothermic motor speed selector switch (platform)            |  | S lecteur vitesse moteur endothermique (de la plateforme)              |  | Wahlschalter Geschwindigkeit Verbrennungsmotor (plattform)            |  |   |  |   |  |
| SA12                            | Selettore bilanciamento cestello (piattaforma)                            |  | Basket balancing selector (platform)                          |  | S lecteur  quilibrage panier (de la plateforme)                        |  | Wahlschalter Korbausgleich (plattform)                                |  |   |  |   |  |
| SA13                            | Selettore stabilizzazione automatica (piattaforma)                        |  | Automatic stabilisation switch (platform)                     |  | S lecteur stabilisation automatique (de la plateforme)                 |  | Wahlschalter automatische Stabilisierung (plattform)                  |  |   |  |   |  |
| SA14                            | Selettore manipolatori trazione stabilizzazione/parte aerea (piattaforma) |  | Stabilization/aerial section drive switch joystick (platform) |  | S lecteur manettes de controles traction stabilisation/partie a rienne |  | Wahlschalter Steuerknuppel Fahren Stabilisierung/Oberteil (plattform) |  |   |  |   |  |
| SA15                            | Selettore a chiave elettropompa emergenza                                 |  | Selector emergency electric pump                              |  | S lecteur  lectropompe de secours                                      |  | Wahlschalternotelektropumpe                                           |  |   |  |   |  |
| SA16                            | Selettore ON/OFF luce di lavoro in cesta                                  |  | Work light switch (basket)                                    |  | Interrupteur lampe de travail (nacelle)                                |  | Arbeitslichtschalter (Korb)                                           |  |   |  |   |  |
| SB1                             | Pulsante di stop d'emergenza (terra)                                      |  | Emergency button (STOP) (ground)                              |  | Boutton stop d'urgence (du bas)                                        |  | Notstop (Boden)                                                       |  |   |  |   |  |
| SB2                             | Pulsante di stop d'emergenza (piattaforma)                                |  | Emergency button (STOP) (platform)                            |  | Boutton stop d'urgence (de la plateforme)                              |  | Notstop (plattform)                                                   |  |   |  |   |  |

| LISTA DEI COMPONENTI/PARTS LIST |  |  |  |  |  | SCHEMA DELLE CONNESSIONI |  |  |  |  |  |
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[illegible]

LISTA DEI COMPONENTI/PARTS LIST

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4

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6

IT

EN

FR

DE

INTERRUTTORI

SA1  
SA2  
SA3  
SA4  
SA5  
SA6  
SA7  
SA8  
SA9  
SA10  
SA11  
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SB9  
SB10  
SB11  
RP1  
RP2  
RP3  
RP4  
RP5  
RP6

Selettore posto di comando (terra)  
Selettore sollevamento/discesa pantografo (terra)  
Selettore sollevamento/discesa jib (terra)  
Selettore estensione/rientro braccio (terra)  
Selettore sollevamento/discesa braccio (terra)  
Selettore bilanciamento cestello (terra)  
Selettore rotazione destra/sinistra cestello (terra)  
Selettore rotazione sinistra/destra torretta (terra)  
Selettore allargamento cingoli (piattaforma)  
Selettore velocità di trazione (piattaforma)  
Selettore velocità motore endotermico (piattaforma)  
Selettore bilanciamento cestello (piattaforma)  
Selettore stabilizzazione automatica (piattaforma)  
Selettore manipolatori trazione stabilizzazione/parte aerea (piattaforma)  
Selettore a chiave elettropompa emergenza  
Selettore ON/OFF luce di lavoro in cesta  
Pulsante di stop d'emergenza (terra)  
Pulsante di stop d'emergenza (piattaforma)  
Pulsante uomo presente (terra)  
Pulsante pompa di emergenza (terra) (opzionale)  
Pulsante avvio motore (terra)  
Pulsante starter motore benzina/preriscaldamento motore diesel (terra)  
Pulsante starter motore benzina/preriscaldamento motore diesel (piattaforma)  
Pulsante avvio motore (piattaforma)  
Pulsante stop motore (piattaforma)  
Pulsante accensione scatola comandi piattaforma (piattaforma)  
Pulsante pompa di emergenza (piattaforma) (opzionale)  
Manipolatore cingolo sinistro/pantografo  
Manipolatore stabilizzatore anteriore sinistro/braccio  
Manipolatore stabilizzatore posteriore sinistro/sfilo  
Manipolatore stabilizzatore posteriore destro/jib  
Manipolatore stabilizzatore anteriore destro/rotazione cestello  
Manipolatore cingolo destro/rotazione torretta

SPIE DI CONTROLLO  
HL1  
HL2  
HL3  
HL4  
HL5  
HL6  
HL7  
HL8  
MODULI DI CONTROLLO  
AP1  
AP2  
AP3  
AP4  
AP5  
AP6-7  
AP8  
AP9  
TRASDUTTORI  
BP1  
MICROINTERRUTTORI  
BF1  
SQ1  
SQ3  
SQ4  
SQ5  
SQ6  
SQ9  
SQ10  
SQ11  
SQ12  
SQ13  
K0  
K1  
K2  
K3  
K4

Funzionamento elettropompa  
Arresto di emergenza  
Acceleratore motore  
Motorino avviamento  
Starter (benzina)/Preriscaldamento aria (diesel-opzionale)

SWITCHES

Control seat selector  
Pantograph lifting/lowering selector (ground)  
Jib lifting/lowering selector (ground)  
Extension/retraction arm selector (ground)  
Arm lifting/lowering selector (ground)  
Basket balancing selector (ground)  
Right/left basket rotation selector (ground)  
Left/right turret rotation selector (ground)  
Track widening switch (platform)  
Traction speed selector (platform)  
Endothermic motor speed selector switch (platform)  
Basket balancing selector (platform)  
Automatic stabilisation switch (platform)  
Stabilization/aerial section drive switch joystick (platform)  
Selector emergency electric pump  
Work light switch (basket)  
Emergency button (STOP) (ground)  
Emergency button (STOP) (platform)  
Man present button (ground)  
Emergency pump button (ground) (optional)  
Motor start button (ground)  
Petrol engine start/diesel engine preheating button (ground)  
Petrol engine start/diesel engine preheating button (platform)  
Motor start button (platform)  
Motor stop button (platform)  
Platform control box start button (platform)  
Emergency pump button (platform) (optional)  
Left track/pantograph joystick  
Left front levelling outrigger/boom joystick  
Left rear levelling outrigger/extension joystick  
Right rear levelling outrigger/jib joystick  
Right front levelling outrigger/cage rotation joystick  
Right track/turret rotation joystick

WARNING LIGHTS  
Machine "ON" indicator lamp  
Overload (ground)  
Endothermic motor fault light indicator (ground)  
Mains power indicator (ground)  
Mains power indicator (platform)  
Endothermic motor fault light indicator (platform)  
Overload  
Display (platform)  
CONTROL MODULES  
Electronic module TTC510  
Electronic module TTC48X  
Load limiting device  
Electronic inclinometer  
Receiver module  
Platform control box electronic boards  
Display and platform control box led electronic board  
Platform control box radio receiver electronic board

TRANSDUCERS  
Load cell  
MICROSWITCHES  
Machine closed  
Machine closed  
Rested left rear levelling outrigger  
Rested left front levelling outrigger  
Rested right rear levelling outrigger  
Rested right front levelling outrigger  
Pantograph  
Presence of box in cage  
Cage presence detector  
Turret limit switch  
Turret limit switch  
RELAIS  
Electric pump operation  
Emergency stop  
Motor accelerator  
Starting motor  
Starter (petrol)/Air preheating (diesel-option)

INTERRUPTER

Sélectionneur postes de commande  
Sélectionneur montée/descente pantographe (du bas)  
Sélectionneur montée/descente jib (du bas)  
Sélectionneur extension/rentree bras (du bas)  
Sélectionneur montée/descente bras (du bas)  
Sélectionneur équilibrage panier (du bas)  
Sélectionneur rotation droite/gauche panier (du bas)  
Sélectionneur rotation gauche/droite tourelle (du bas)  
Sélectionneur élargissement chenilles (de la plateforme)  
Sélectionneur vitesse traction (de la plateforme)  
Sélectionneur vitesse moteur endothermique (de la plateforme)  
Sélectionneur équilibrage panier (de la plateforme)  
Sélectionneur stabilisation automatique (de la plateforme)  
Sélectionneur manettes de controles traction stabilisation/partie aérienne  
Sélectionneur électropompe de secours  
Interrupteur lampe de travail (nacelle)  
Boutton stop d'urgence (du bas)  
Boutton stop d'urgence (de la plateforme)  
Boutton-homme présent (du bas)  
Bouton pompe d'urgence (du bas) (option)  
Bouton démarrage moteur (du bas)  
Bouton starter moteur essence/préchauffage moteur diesel (du bas)  
Bouton starter moteur essence/préchauffage moteur diesel (plateforme)  
Bouton démarrage moteur (de la plateforme)  
Bouton arrêt moteur (de la plateforme)  
Bouton allumage tableau de commande plate-forme (plateforme)  
Bouton pompe d'urgence (plateforme) (option)  
Manette de controle chenille gauche/pantographe  
Manette de controle stabilisateur avant gauche/flèche  
Manette de controle stabilisateur arrière gauche/coulissement  
Manette de controle stabilisateur arrière droit/bras pendulaire  
Manette de controle stabilisateur avant droit/rotation nacelle  
Manette de controle chenille droite/rotation tourelle

VOYANTS DE CONTROLE  
Voyant lumineux machine allumée  
Voyant lumineux charge excessive (du bas)  
Voyant lumineux anomalie moteur endothermique (du bas)  
Voyant lumineux présence réseau (du bas)  
Voyant lumineux présence réseau (plateforme)  
Voyant lumineux anomalie moteur endothermique (plateforme)  
Voyant lumineux, charge excessive  
Dispaly (de la plateforme)  
MODULE DE CONTROLE  
Module électronique TTC510  
Module électronique TTC48X  
Limiteur de charge  
Inclinomètre  
Module récepteur  
Circuits imprimés tableau de commande plateforme  
Circuit imprimé afficheur et diode tableau de commande plateforme  
Circuit imprimé récepteur radio tableau de commande plateforme

TRANSDUCTEURS  
Capteur de force  
MICROINTERRUPTEURS  
Machine fermée  
Machine fermée  
Stabilisateur arrière gauche posé  
Stabilisateur avant gauche posé  
Stabilisateur arrière droit posé  
Stabilisateur avant droit posé  
Pantographe  
Présence boîte dans nacelle  
Detecteur de presence du panier  
Fin de course tourelle  
Fin de course tourelle  
RELAIS  
Fonctionnement électropompe  
Arrêt d'urgence  
Accélérateur moteur  
Démarreur  
Starter (essence)/Préchauffage air (diesel-option)

SCHALTER

Wahlschalter Bedienstelle  
Wahlschalter Heben/Senken Pantograph (Boden)  
Wahlschalter Heben/Senken Jib (Boden)  
Wahlschalter Aus/Einziehen Ausleger (Boden)  
Wahlschalter Heben/Senken Ausleger (Boden)  
Wahlschalter Korbausgleich (Boden)  
Wahlschalter Korbdrehung rechts/links (Boden)  
Wahlschalter Turmdrehung links/rechts (Boden)  
Wahlschalter Raupenerweiterung (plattform)  
Schalter Fahrgeschwindigkeit (plattform)  
Wahlschalter Geschwindigkeit Verbrennungsmotor (plattform)  
Wahlschalter Korbausgleich (plattform)  
Wahlschalter automatische Stabilisierung (plattform)  
Wahlschalter Steuerknuppel Fahren Stabilisierung/Oberteil (plattform)  
Wahlschalternotelektropumpe  
Arbeitslichtschalter (Korb)  
Notstop (Boden)  
Notstop (plattform)  
Knopf Mann anwesend (Boden)  
Knopf Notpumpe (Boden) (Sonderausstattung)  
Anlassknopf Motor (Boden)  
Starterknopf Benzinmotor/Vorwarmer Dieselmotor (Boden)  
Starterknopf Benzinmotor/Vorwarmer Dieselmotor (plattform)  
Anlassknopf Motor (plattform)  
Stoppknopf Motor (plattform)  
Einschaltknopf Plattformbedienpult (plattform)  
Knopf Notpumpe (plattform) (Sonderausstattung)  
Steuerknuppel Abstützung vorne links/Ausleger  
Steuerknuppel Abstützung hinten links/Ausziehung  
Steuerknuppel Abstützung hinten rechts/Korbarm  
Steuerknuppel Abstützung vorne rechts/Korbdrehung  
Steuerknuppel Raupe rechts/Turmdrehung

KONTROLLEUCHTEN  
Anzeige An/Aus  
Kontrolleuchte Ueberbelastung (Boden)  
Kontrolleuchte Fehlfunktion Verbrennungsmotor (Boden)  
Kontrolleuchte Netzstrom vorhanden (Boden)  
Kontrolleuchte Netzstrom vorhanden (plattform)  
Kontrolleuchte Fehlfunktion Verbrennungsmotor (Boden)  
Kontrolleuchte, Ueberbelastung  
Display (plattform)  
KONTROLLEEINHEITEN  
Elektronisches Modul TTC510  
Elektronisches Modul TTC48X  
Lastbegrenzer  
Neigungsschalter  
Empfangsmodul  
Platinen plattform  
Platine display und led plattform  
Platine Funkempfänger plattform

WANDLER  
Ladezelle  
MIKROSCHALTER  
Maschine geschlossen  
Maschine geschlossen  
Abstützung hinten links am Boden  
Abstützung vorne links am Boden  
Abstützung hinten rechts am Boden  
Abstützung vorne rechts am Boden  
Gelenkarm  
Bedienpult im Korb vorhanden  
Korb-Prasenzmelder  
Turm-Endshalter  
Turm-Endshalter  
RELAIS  
Betried Elektropumpe  
Notausschaltung  
Gashebel Motor  
Anlassmotor  
Starter (Benzin)/Luftvorwarmen (Diesel-Sonderausstattung)

LEGEND

3

Revisionato connessioni diodo K5

031

09/02/21

M.V.

A.R.

Rev.

Descrizione della modifica

SDM

Data

Dis.

Appr.

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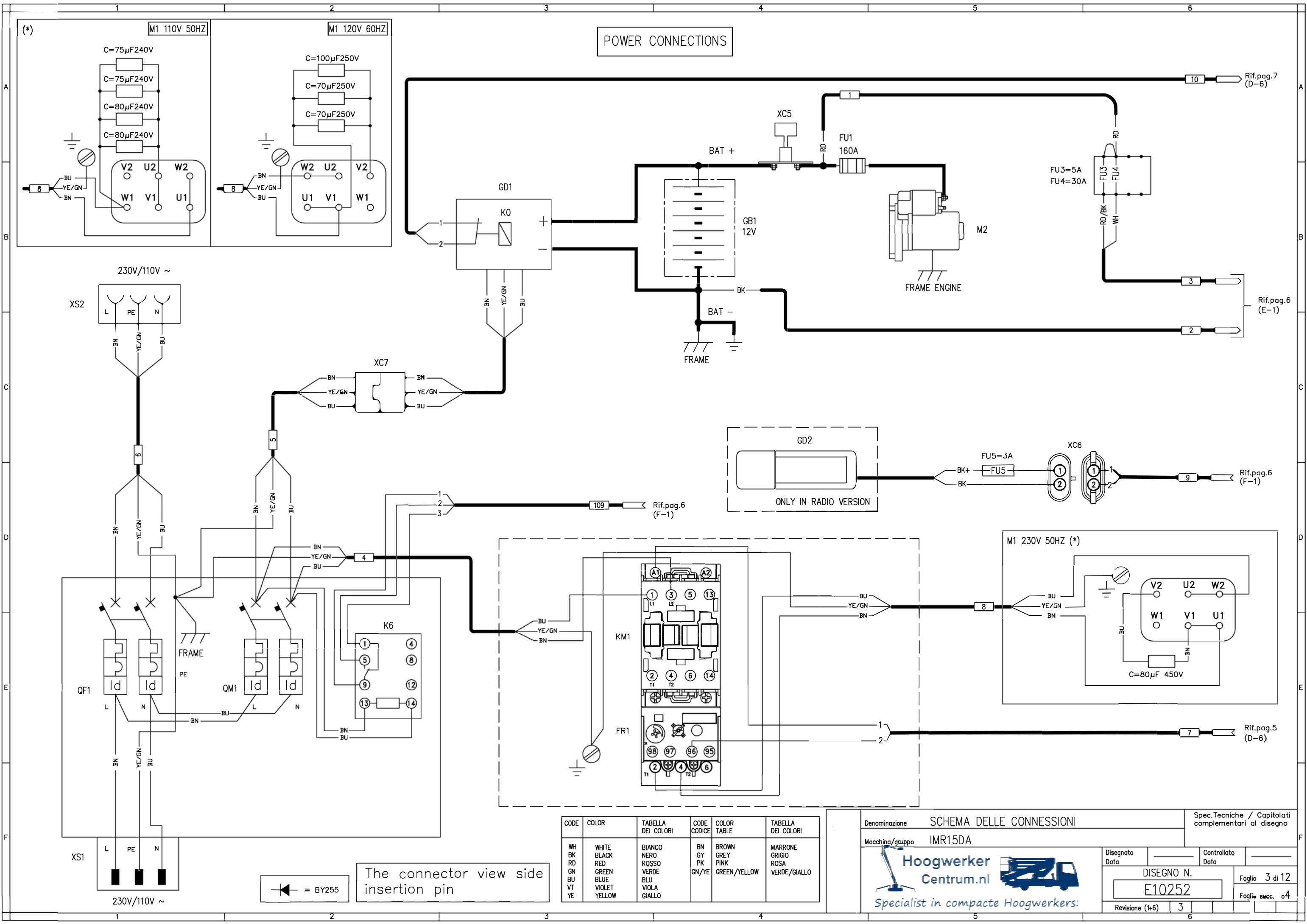
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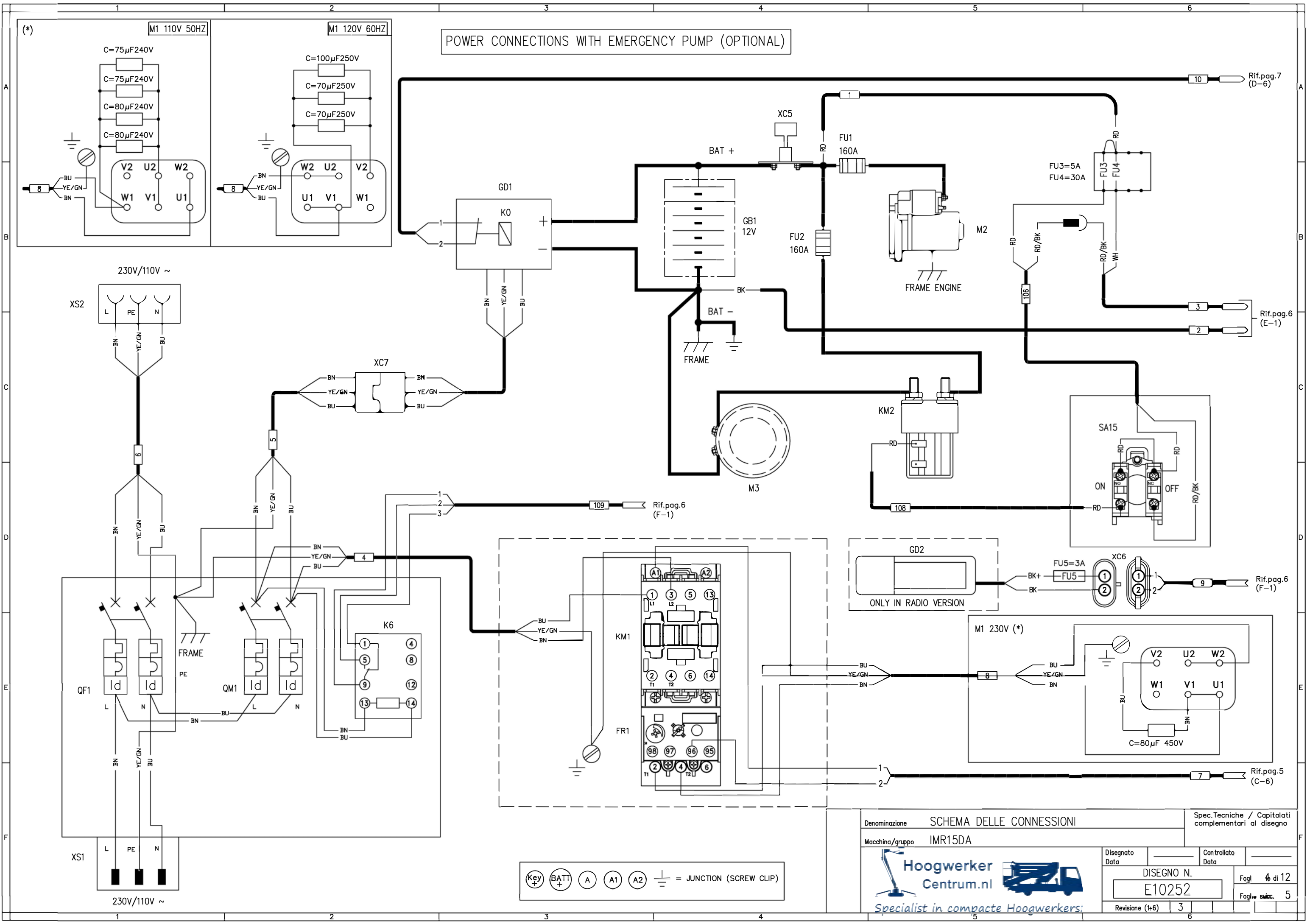
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|--------|----------------------------|----------------------------------------------------------------|-----------------------|--------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------|----|--------------------------------------------------------|--|
| A      | K5                         | Spegnimento bobina accensione (benzina)/Ev.carburante (diesel) | IT                    | Ignition coil off (petrol)/fuel solenoid (diesel)            | EN                             | Extinction bobine allumage (essence)/Ev.carburant (diesel)                            | FR                           | Ausschaltung Zundspule (Benzin)/Ev.Kraftstoff (Diesel) | DE |                                                        |  |
|        | K6                         | Carica batteria radio                                          |                       | Radio battery charger                                        |                                | Chargeur batterie radio                                                               |                              | Batterieladegerat Funk                                 |    |                                                        |  |
|        | YV1–2                      | ELETTROVALVOLE                                                 |                       | ELECTROVALVES                                                |                                | ELECTROVALVES                                                                         |                              | ELEKTROVENTILE                                         |    |                                                        |  |
|        | YV4                        | Proporzionale                                                  |                       | Proportional                                                 |                                | Propotionelle                                                                         |                              | Proportionalventil                                     |    |                                                        |  |
|        | YV5–6–7                    | Cambio cilindrata                                              |                       | Displacement change                                          |                                | Change de déplacement                                                                 |                              | Hubraum–Umschalten                                     |    |                                                        |  |
|        | YV8                        | By pass                                                        |                       | By pass                                                      |                                | By pass                                                                               |                              | By pass                                                |    |                                                        |  |
|        | YV9                        | Deviatore                                                      |                       | Deviator                                                     |                                | Déviateur                                                                             |                              | Wechselschalter                                        |    |                                                        |  |
|        | YV10                       | Trazione sinistra avanti                                       |                       | Left track drive forwards                                    |                                | Chenille gauche en avant                                                              |                              | Linke Raupe vorwärts                                   |    |                                                        |  |
|        | YV11                       | Trazione sinistra indietro                                     |                       | Left track drive backwards                                   |                                | Chenille gauche en arrière                                                            |                              | Linke Raupe rückwärts                                  |    |                                                        |  |
|        | YV12                       | Trazione destra avanti                                         |                       | Right track drive forwards                                   |                                | Chenille droite en avant                                                              |                              | Rechte Raupe vorwärts                                  |    |                                                        |  |
| B      | YV14                       | Trazione destra indietro                                       |                       | Right track drive backwards                                  |                                | Chenille droite en arrière                                                            |                              | Rechte Raupe rückwärts                                 |    |                                                        |  |
|        | YV15                       | Rotazione cestello destra                                      |                       | Basket rotation right                                        |                                | Rotation nacelle à droite                                                             |                              | Korbdrehung nach rechts                                |    |                                                        |  |
|        | YV16                       | Rotazione cestello sinistra                                    |                       | Basket rotation left                                         |                                | Rotation nacelle à gauche                                                             |                              | Korbdrehung nach links                                 |    |                                                        |  |
|        | YV17                       | Uscita cingoli                                                 |                       | Tracks span out                                              |                                | Chenilles dehors                                                                      |                              | Raupen aus                                             |    |                                                        |  |
|        | YV18                       | Rientro cingoli                                                |                       | Tracks span in                                               |                                | Chenilles dedans                                                                      |                              | Raupen ein                                             |    |                                                        |  |
|        | YV19                       | Rotazione destra torretta                                      |                       | Turret rotation right                                        |                                | Rotation tourelle à droite                                                            |                              | Turmdrehung nach rechts                                |    |                                                        |  |
|        | YV20                       | Rotazione sinistra torretta                                    |                       | Turret rotation left                                         |                                | Rotation tourelle à gauche                                                            |                              | Turmdrehung nach links                                 |    |                                                        |  |
|        | YV21                       | Salita braccio                                                 |                       | Arm up                                                       |                                | Montée de la flèche                                                                   |                              | Ausleger heben                                         |    |                                                        |  |
|        | YV22                       | Discesa braccio                                                |                       | Arm down                                                     |                                | Descente de la flèche                                                                 |                              | Ausleger senken                                        |    |                                                        |  |
|        | YV23                       | Salita pantografo                                              |                       | Riser up                                                     |                                | Levage bras                                                                           |                              | Arm heben                                              |    |                                                        |  |
| C      | YV24                       | Discesa pantografo                                             |                       | Riser down                                                   |                                | Descente bras                                                                         |                              | Arm senken                                             |    |                                                        |  |
|        | YV25                       | Salita bilanciamento cestello                                  |                       | Basket leveling up                                           |                                | Compensation nacelle vers le haut                                                     |                              | Korbausgleich nach oben                                |    |                                                        |  |
|        | YV26                       | Discesa bilanciamento cestello                                 |                       | Basket leveling down                                         |                                | Compensation nacelle vers le bas                                                      |                              | Korbausgleich nach unten                               |    |                                                        |  |
|        | YV27                       | Uscita sfilo                                                   |                       | Telescope out                                                |                                | Sortie télescope                                                                      |                              | Teleskop aus                                           |    |                                                        |  |
|        | YV28                       | Rientro sfilo                                                  |                       | Telescope in                                                 |                                | Rentrée télescope                                                                     |                              | Teleskop ein                                           |    |                                                        |  |
|        | YV29                       | Discesa stabilizzatore posteriore SX                           |                       | Descent left back stabiliser                                 |                                | Descente stabilisateurs posterieur gauche                                             |                              | Stuetzzyylinder hinten links ausfahren                 |    |                                                        |  |
|        | YV30                       | Salita stabilizzatore posteriore SX                            |                       | Lift left back stabiliser                                    |                                | Levage stabilisateurs posterieur gauche                                               |                              | Stuetzzyylinder hinten links einfahren                 |    |                                                        |  |
|        | YV31                       | Discesa stabilizzatore posteriore DX                           |                       | Descent right back stabiliser                                |                                | Descente stabilisateurs posterieur droite                                             |                              | Stuetzzyylinder hinten rechts ausfahren                |    |                                                        |  |
|        | YV32                       | Salita stabilizzatore posteriore DX                            |                       | Lift right back stabiliser                                   |                                | Levage stabilisateurs posterieur droite                                               |                              | Stuetzzyylinder hinten rechts einfahren                |    |                                                        |  |
|        | YV33                       | Discesa stabilizzatore anteriore SX                            |                       | Descent left forward stabiliser                              |                                | Descente stabilisateurs avante gauche                                                 |                              | Stuetzzyylinder vorne links ausfahren                  |    |                                                        |  |
| D      | YV34                       | Salita stabilizzatore anteriore SX                             |                       | Lift left forward stabiliser                                 |                                | Levage stabilisateurs avante gauche                                                   |                              | Stuetzzyylinder vorne links einfahren                  |    |                                                        |  |
|        | YV35                       | Discesa stabilizzatore anteriore DX                            |                       | Descent right forward stabiliser                             |                                | Descente stabilisateurs avante droite                                                 |                              | Stuetzzyylinder vorne rechts ausfahren                 |    |                                                        |  |
|        | YV36                       | Salita stabilizzatore anteriore DX                             |                       | Lift right forward stabiliser                                |                                | Levage stabilisateurs avate droite                                                    |                              | Stuetzzyylinder vorne rechts einfahren                 |    |                                                        |  |
|        | YV37                       | Salita jib                                                     |                       | Jib up                                                       |                                | Levage pendulaire                                                                     |                              | Korbarm heben                                          |    |                                                        |  |
|        | YV38                       | Discesa jib                                                    |                       | Jib down                                                     |                                | Descente pendulaire                                                                   |                              | Korbarm senken                                         |    |                                                        |  |
|        | YV39                       | Proporzionale valvola di massima P1                            |                       | Right back stabiliser                                        |                                | Stabilisateurs posterieur droite                                                      |                              | Hinten rechts einfahren                                |    |                                                        |  |
|        | YV40–41                    | Proporzionale valvola di massima P2                            |                       | Right forward stabiliser                                     |                                | Stabilisateurs avate droite                                                           |                              | Vorne rechts einfahren                                 |    |                                                        |  |
|        | GB1                        | Abilitazione stabilizzatori                                    |                       | Outriggers activation                                        |                                | Activation des stabilisateurs                                                         |                              | Zustimmung der Abstützungen                            |    |                                                        |  |
|        | M1                         | ALTRI DISPOSITIVI                                              |                       | ALTRI DISPOSITIVI                                            |                                | AUTRES DISPOSITIVES                                                                   |                              | ANDERE VORRICHTUNGEN                                   |    |                                                        |  |
|        | M2                         | Batteria 12V                                                   |                       | 12V battery                                                  |                                | Batterie 12V                                                                          |                              | 12–V–Batterie                                          |    |                                                        |  |
| E      | M3                         | Elettropompa AC                                                |                       | Electric pump AC                                             |                                | Electropompe AC                                                                       |                              | Ws–Elektropumpe                                        |    |                                                        |  |
|        | GD1                        | Motorino avviamento                                            |                       | Starting motor                                               |                                | Démarrreur                                                                            |                              | Anlassmotor                                            |    |                                                        |  |
|        | GD2                        | Elettropompa 12V DC (opzionale)                                |                       | Electric pump 12V DC (optional)                              |                                | Electropompe 12V DC (option)                                                          |                              | 12–V–Gs–Elektropumpe (Sonderausstattung)               |    |                                                        |  |
|        | KM1                        | Carica batteria                                                |                       | Battery charger                                              |                                | Chargeur                                                                              |                              | Ladegerat                                              |    |                                                        |  |
|        | KM2                        | Carica batteria radio                                          |                       | Radio battery charger                                        |                                | Chargeur batterie radio                                                               |                              | Batterieladegerat Funk                                 |    |                                                        |  |
|        | HA1                        | Teleruttore elettropompa AC                                    |                       | Electric pump AC remote                                      |                                | Télèrupteur électropompe AC                                                           |                              | Fernschalter Ws–Elektropumpe                           |    |                                                        |  |
|        | HA2                        | Teleruttore elettropompa 12V DC (opzionale)                    |                       | Electric pump 12V DC remote (optional)                       |                                | Télèrupteur électropompe 12V DC (option)                                              |                              | Fernschalter 12–V–Gs–Elektropumpe (Sonderausstattung)  |    |                                                        |  |
|        | XC5                        | Avvisatore acustico (terra)                                    |                       | Motion alarm (ground)                                        |                                | Vertisseur acoustique (du bas)                                                        |                              | Buzzer (Boden)                                         |    |                                                        |  |
|        | XS1                        | Avvisatore acustico (piattaforma)                              |                       | Motion alarm (platform)                                      |                                | Vertisseur acoustique (du la plateforme)                                              |                              | Buzzer (Plattform)                                     |    |                                                        |  |
|        | XS2                        | Staccabatteria                                                 |                       | Battery cut–off                                              |                                | Isolateur de batterie                                                                 |                              | Batterietrenner                                        |    |                                                        |  |
| F      | QF1                        | Presa linea AC su carro                                        |                       | AC line socket on carriage                                   |                                | Prise ligne AC sur chassis                                                            |                              | Ws–Steckdose am Fahrgestell                            |    |                                                        |  |
|        | QM1                        | Presa linea AC in piattaforma                                  |                       | AC line socket in platform                                   |                                | Prise ligne AC dans plateforme                                                        |                              | Ws–Steckdose an der Plattform                          |    |                                                        |  |
|        | FR1                        | Magneto–termico differenziale linea AC                         |                       | AC line thermal magnetic disconnection switch                |                                | Disjoncteur thermique différentiel ligne AC                                           |                              | Magnetfehlstromschalter Ws–leitung                     |    |                                                        |  |
|        | XT1                        | Magneto–termico elettropompa AC e carica batteria              |                       | AC electric pump and battery charger thermal magnetic switch |                                | Disjoncteur thermique électropompe AC et chargeur de batterie                         |                              | Magnetschalter Ws–Elektropumpe und Ladegerat           |    |                                                        |  |
|        | SP1                        | Relè termico motore AC                                         |                       | Thermal relais AC electric motor                             |                                | Relais thermique AC moteur électrique                                                 |                              | Thermorelais AC–Elektromotr                            |    |                                                        |  |
|        | SP2                        | Morsettiera                                                    |                       | Junction box                                                 |                                | Boite bornes                                                                          |                              | Klemmenbrett                                           |    |                                                        |  |
|        | SP3                        | Sensore di pressione ramo 1 circuito idraulico                 |                       | Pressure sensor on branch 1                                  |                                | Capteur de pression sur la branche 1                                                  |                              | Drucksensor auf Zweig 1                                |    |                                                        |  |
|        | SP4                        | Sensore di pressione ramo 2 circuito idraulico                 |                       | Pressure sensor on branch 2                                  |                                | Capteur de pression sur la branche 2                                                  |                              | Drucksensor auf Zweig 2                                |    |                                                        |  |
|        | ST1                        | Sensore pressione olio (motore diesel)                         |                       | Oil pressure sensor (diesel engine)                          |                                | Capteur pression huile (moteur diesel)                                                |                              | Oldrucksensor (Dieselmotor)                            |    |                                                        |  |
|        | YV0                        | Sensore livello olio (motore benzina)                          |                       | Oil level sensor (petrol engine)                             |                                | Capteur niveau huile (moteur essence)                                                 |                              | Oldstandsensor (Benzinmotor)                           |    |                                                        |  |
| LEGEND | YA1                        | Sensore filtro olio pompa ostruito                             |                       | Clogged pump oil filter sensor                               |                                | Capteur filtre huile pompe engorgè                                                    |                              | Sensor Punmpenolfilter verstopft                       |    |                                                        |  |
|        | YA2                        | Elettrovalvola carburante (motore diesel)                      |                       | Fuel solenoid valve (diesel engine)                          |                                | Electrovanne carburant (moteur diesel)                                                |                              | Elektroventil Kraftstoff (Dieselmotor)                 |    |                                                        |  |
|        | T1                         | Elettromagnete acceleratore                                    |                       | Accelerator electromagnet                                    |                                | Electro–aimant accélérateur                                                           |                              | Elektromagnet Gashebel                                 |    |                                                        |  |
|        | R1                         | Elettromagnete starter (motore benzina)                        |                       | Starter electromagnet (petrol engine)                        |                                | Electro–aimant starter (moteur essence)                                               |                              | Elektromagnet Starter (Benzinmotor)                    |    |                                                        |  |
|        | R2                         | Bobina di accensione (motore benzina)                          |                       | Ignition coil (petrol engine)                                |                                | Bobina allumage (moteur essence)                                                      |                              | Zundspule (Benzinmotor)                                |    |                                                        |  |
|        | G1                         | Candela (motore benzina)                                       |                       | Sparking plug (petrol engine)                                |                                | Bougie (moteur essence)                                                               |                              | Zundkerze (Benzinmotor)                                |    |                                                        |  |
|        | A1                         | Riscaldatore aria motore (diesel–opzionale)                    |                       | Engine air heater (diesel–optional)                          |                                | Réchffeur air moteur (diesel–option)                                                  |                              | Motorluftwarmer (Diesel–Sonderausstattung)             |    |                                                        |  |
|        | D1                         | Dinamo                                                         |                       | Dynamo                                                       |                                | Dynamo                                                                                |                              | Lichtmaschine                                          |    |                                                        |  |
|        | EL1                        | Regolatore                                                     |                       | Regulator                                                    |                                | Régulateur                                                                            |                              | Regler                                                 |    |                                                        |  |
|        | XC30                       | Modulo elettromagnete                                          |                       | Electromagnet module                                         |                                | Module électroaimant                                                                  |                              | Elektromagnetmodul                                     |    |                                                        |  |
|        | Luce di lavoro (opzionale) |                                                                | Work light (optional) |                                                              | Projecteur de travail (option) |                                                                                       | Arbeitsscheinwerfen (option) |                                                        |    |                                                        |  |
|        | Connettore programmazione  |                                                                | Programming connector |                                                              | Connecteur pour programmation  |                                                                                       | Programmierungsverbinder     |                                                        |    |                                                        |  |
|        |                            |                                                                |                       |                                                              |                                | Denominazione                                                                         |                              | SCHEMA DELLE CONNESSIONI                               |    | Spec.Tecniche / Capitalati<br>complementari al disegno |  |
|        |                            |                                                                |                       |                                                              |                                | Macchina/gruppo                                                                       |                              | IMR15DA                                                |    |                                                        |  |
|        |                            |                                                                |                       |                                                              |                                |  |                              | Disegnato<br>Data                                      |    | Controllato<br>Data                                    |  |
|        |                            |                                                                |                       |                                                              |                                |                                                                                       |                              | DISEGNO N.<br>E10252                                   |    | Foglio 2 di 12                                         |  |
|        |                            |                                                                |                       |                                                              |                                |                                                                                       |                              | Revisione (1÷6)                                        |    | Foglio succ. o3                                        |  |
|        |                            |                                                                |                       |                                                              |                                |                                                                                       |                              | 3                                                      |    |                                                        |  |





POWER CONNECTIONS WITH EMERGENCY PUMP (OPTIONAL)

Rif. pag. 7  
(D-6)

Rif. pag. 6  
(E-1)

Rif. pag. 6  
(F-1)

Rif. pag. 6  
(F-1)

Rif. pag. 5  
(C-6)

Denominazione SCHEMA DELLE CONNESSIONI

Macchina/gruppo IMR15DA

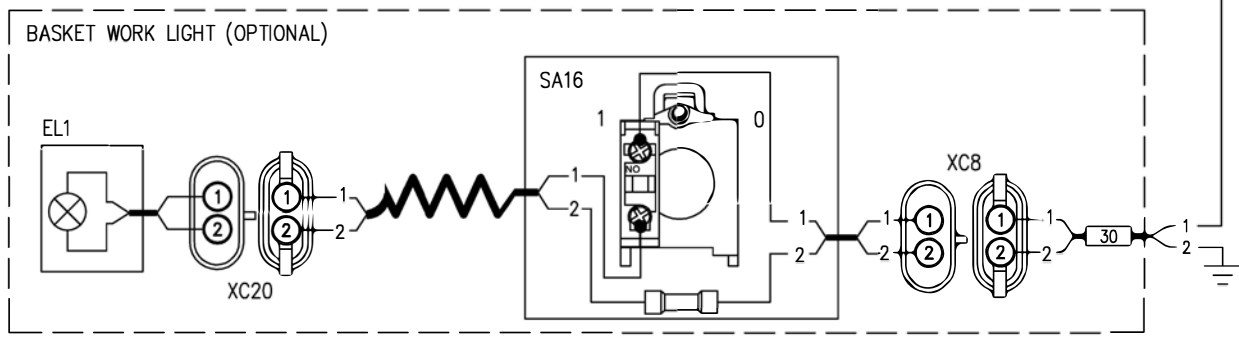
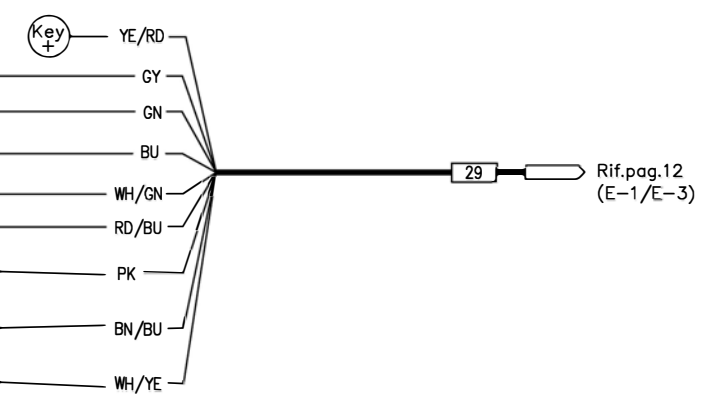
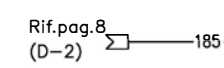
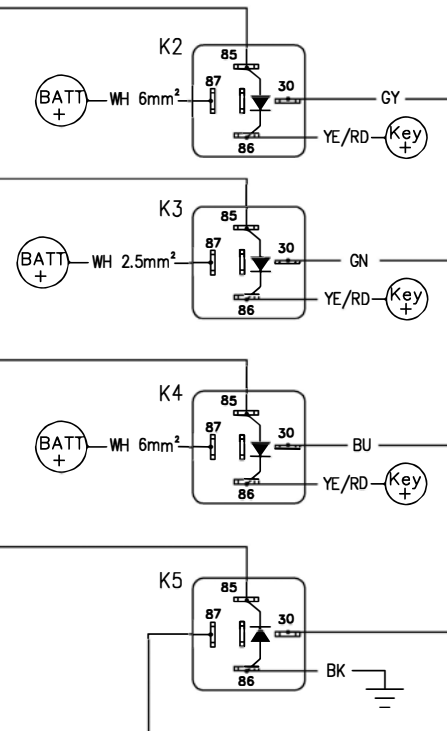
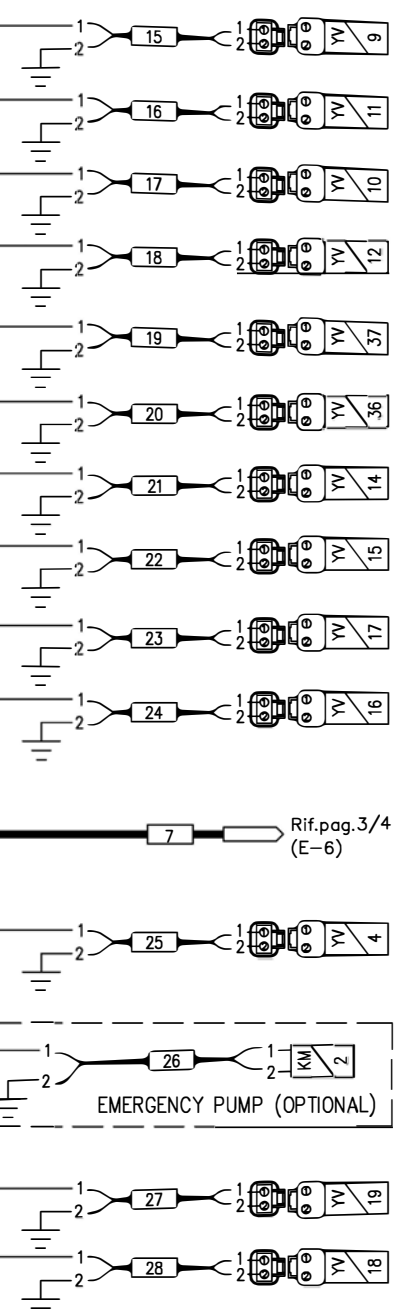
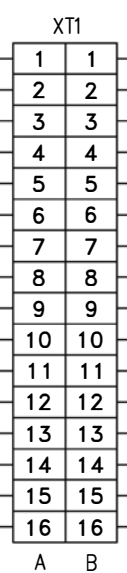
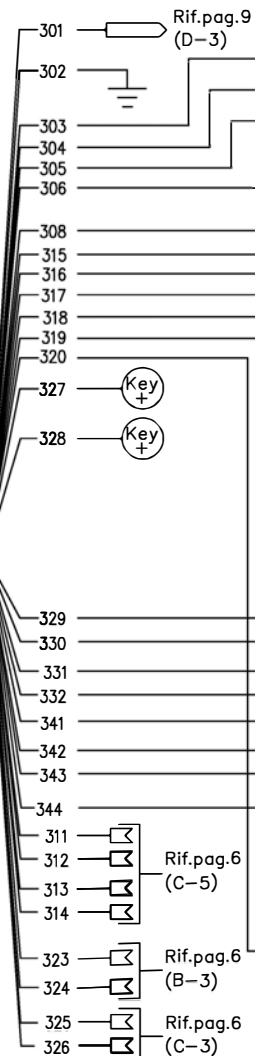
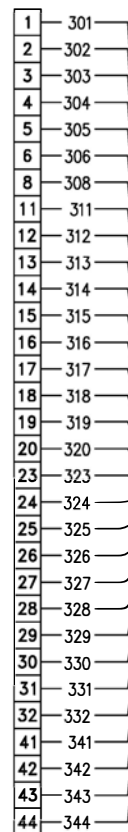
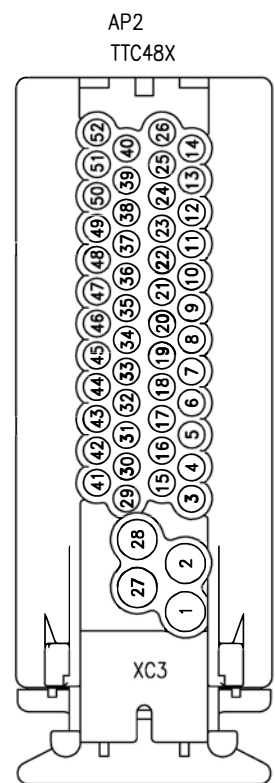
Spec. Tecniche / Capitoli  
complementari al disegno

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|                   |                     |                      |                  |
|-------------------|---------------------|----------------------|------------------|
| Disegnato<br>Data | Controllato<br>Data | Disegno N.<br>E10252 | Fogli<br>4 di 12 |
| Revisione (1-6)   | 3                   |                      | Fogli<br>suic. 5 |

Key: BATTI A A1 A2 = JUNCTION (SCREW CLIP)

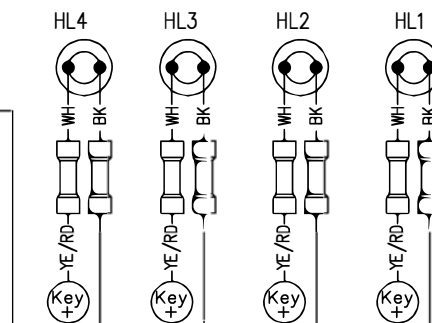
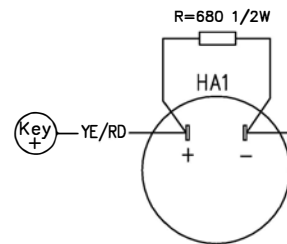
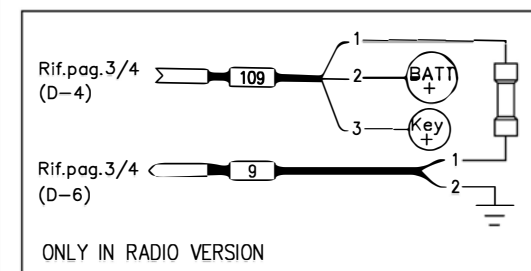
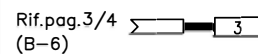
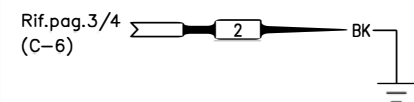
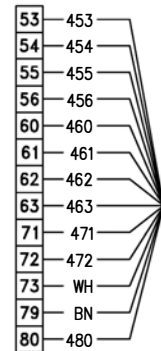
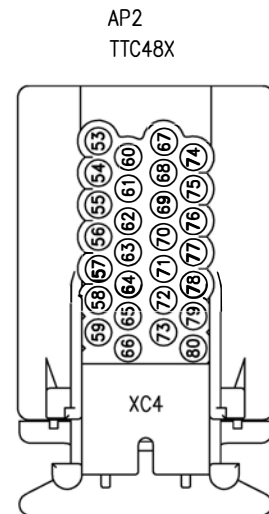
# TTC48X CONNECTIONS



|                 |  |                          |  |                                                      |  |
|-----------------|--|--------------------------|--|------------------------------------------------------|--|
| Denominazione   |  | SCHEMA DELLE CONNESSIONI |  | Spec. Tecniche / Capitolati complementari al disegno |  |
| Macchina/gruppo |  | IMR15DA                  |  |                                                      |  |
| Disegnato Data  |  | Disegno N. E10252        |  | Foglio 5 di 12                                       |  |
| Revisone (1+6)  |  | 3                        |  | Foglio succ. 6                                       |  |

Hoogwerker Centrum.nl  
Specialist in compacte Hoogwerkers:

# TTC48X CONNECTIONS

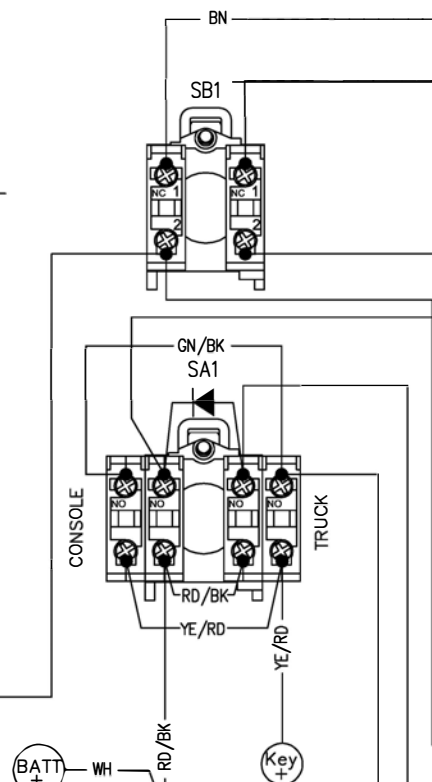
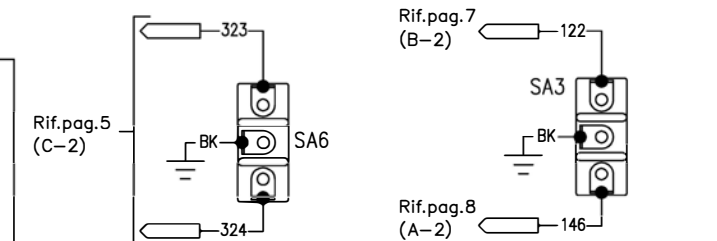


Rif. pag. 9 (C-3)

Rif. pag. 9 (D-3)

Rif. pag. 10/11 (E-1)

Rif. pag. 7 (B-2)



Denominazione SCHEMA DELLE CONNESSIONI

Macchina/gruppo IMR15DA

Spec. Tecniche / Capitolati complementari al disegno

Hoogwerker  
Centrum.nl

Specialist in compacte Hoogwerkers:

Disegnato Data

Controllato Data

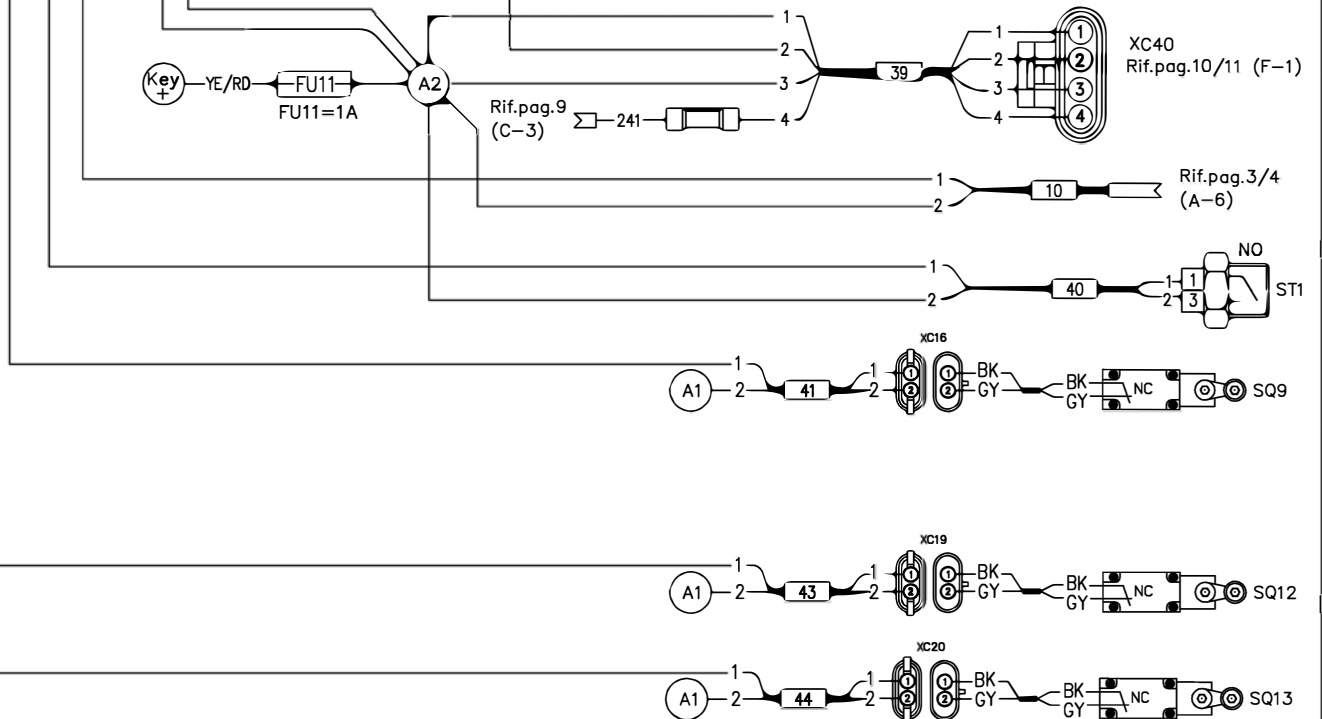
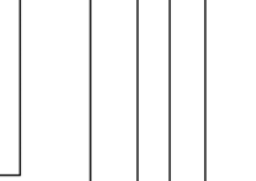
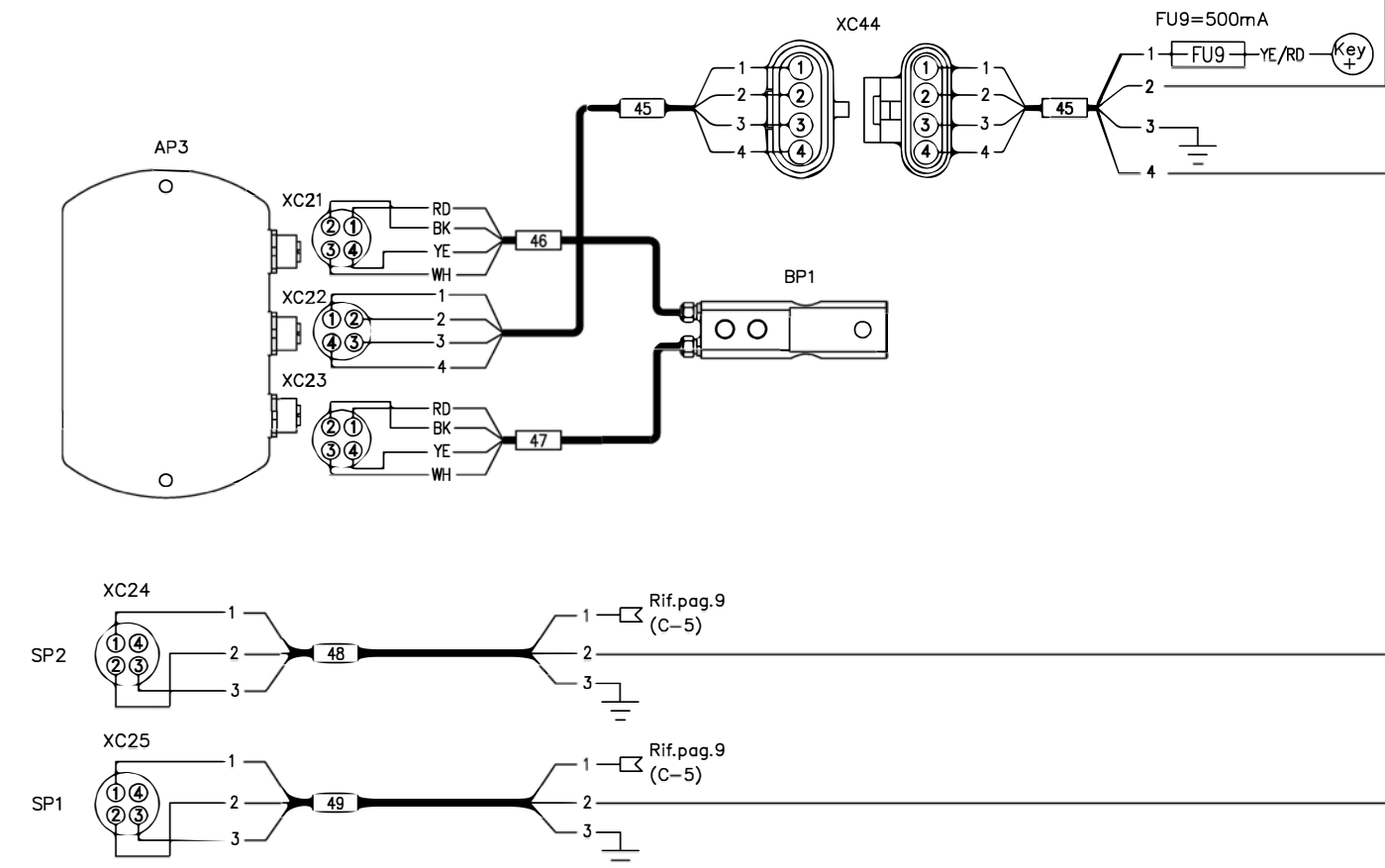
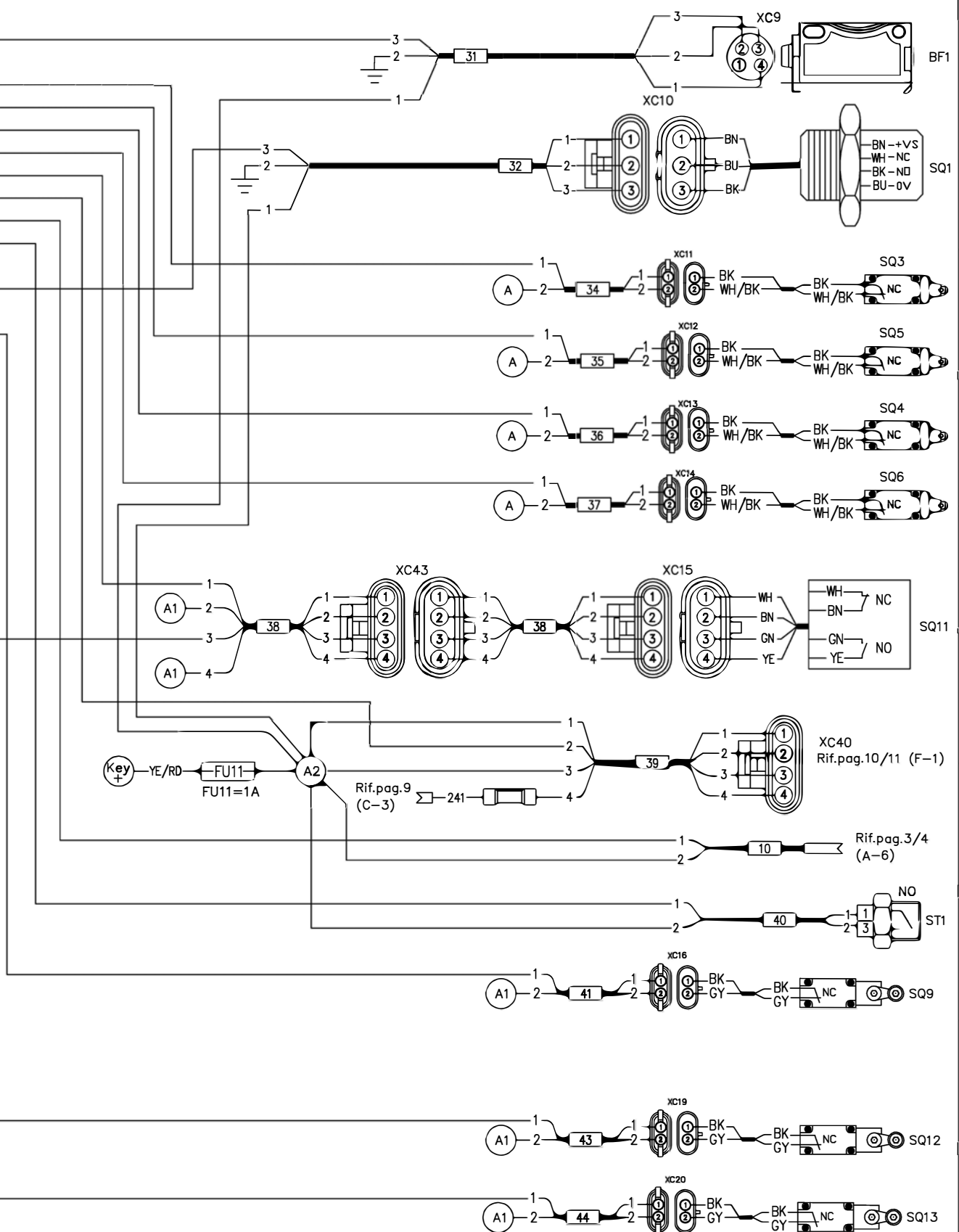
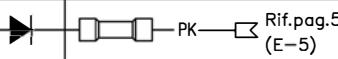
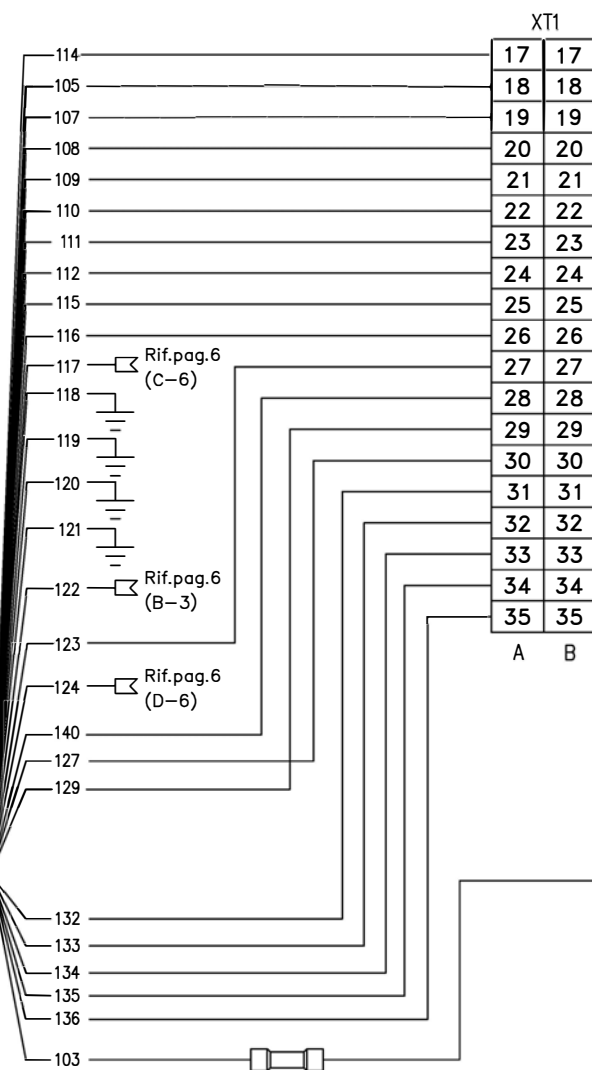
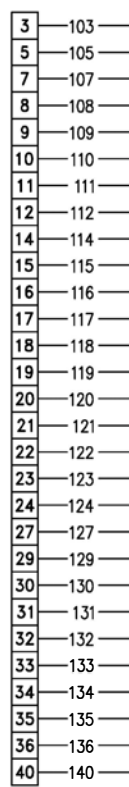
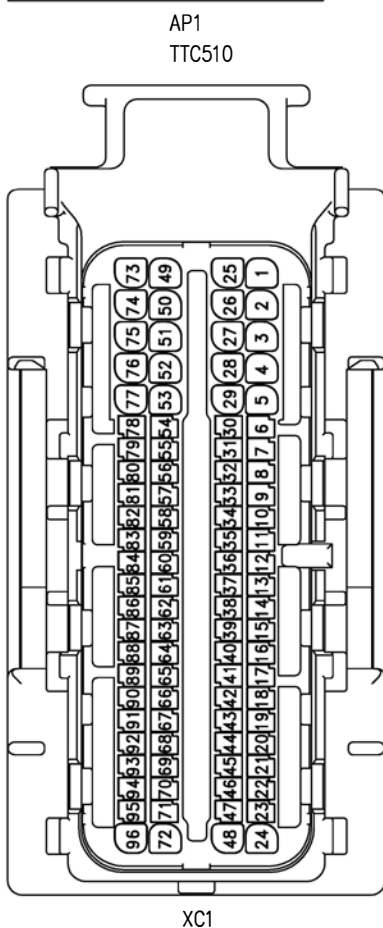
DESGNO N. E10252

Foglio 6 di 12

Foglio succ. o7

Revisione (1:6) 3

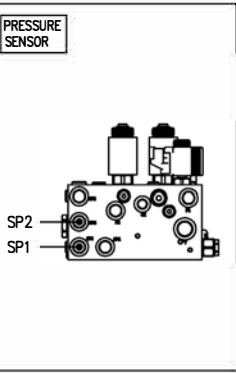
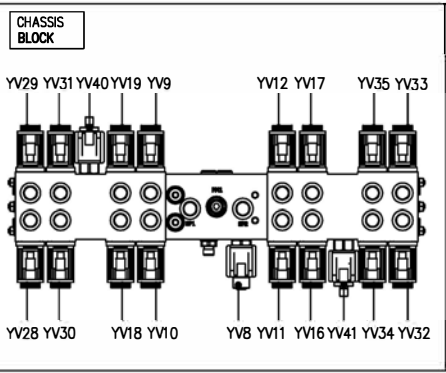
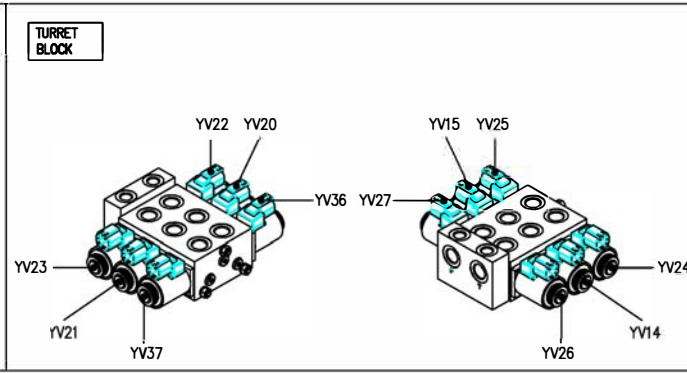
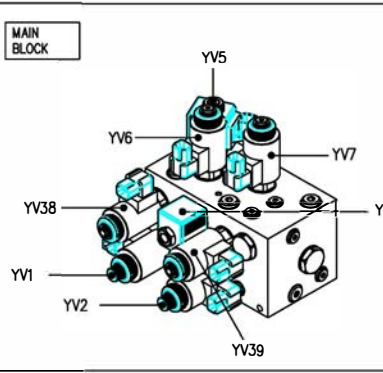
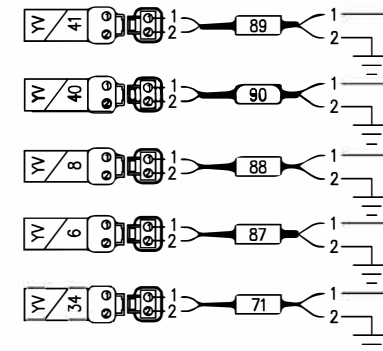
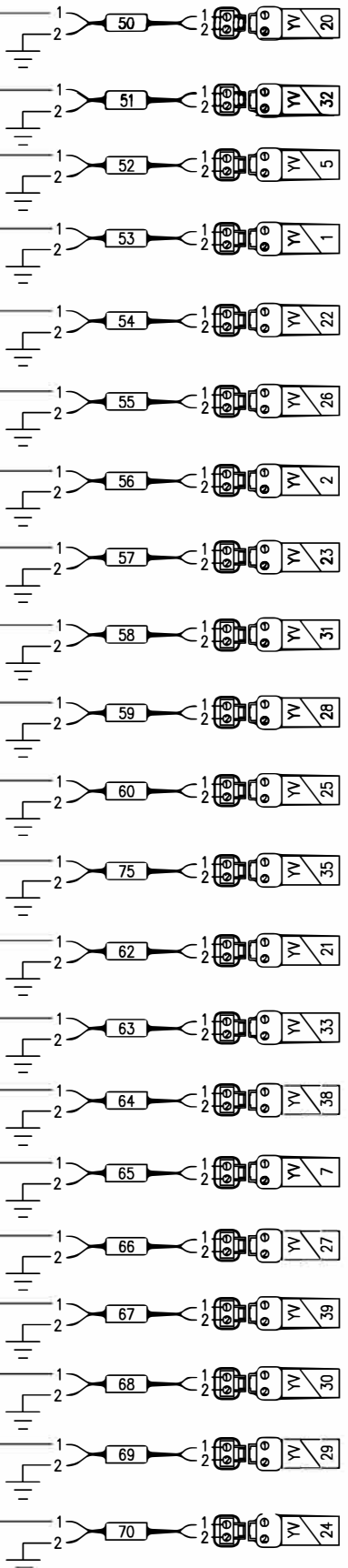
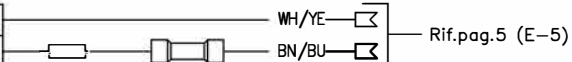
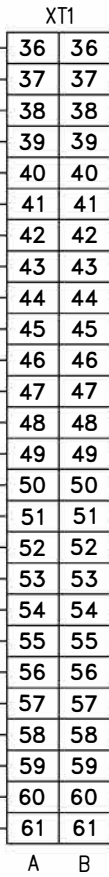
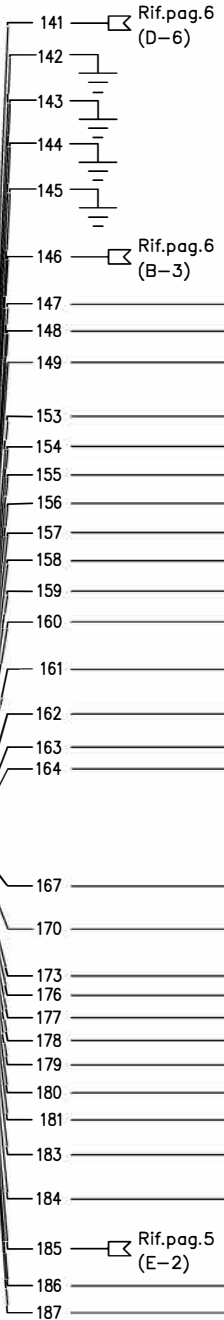
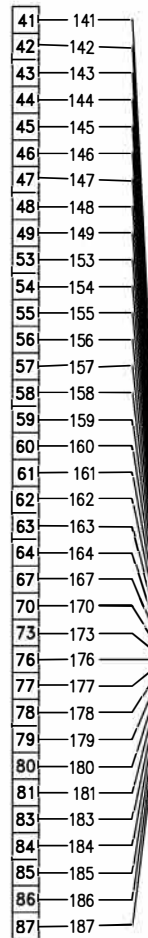
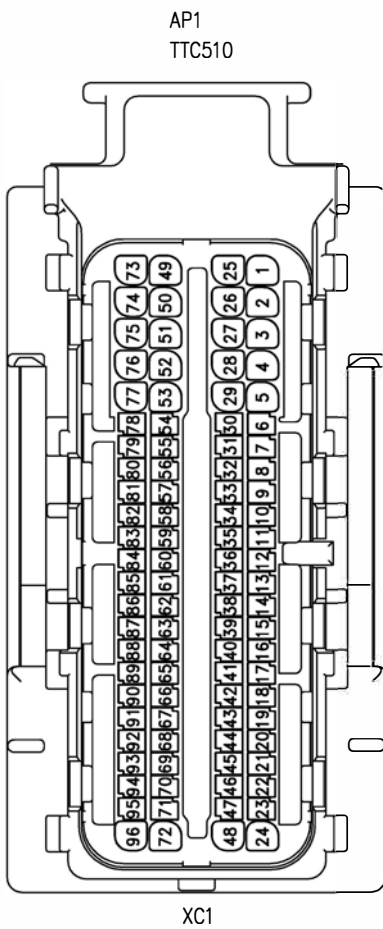
# TTC510 CONNECTIONS



|                      |  |                          |  |                                                      |  |
|----------------------|--|--------------------------|--|------------------------------------------------------|--|
| Denominazione        |  | SCHEMA DELLE CONNESSIONI |  | Spec.Tecniche / Capitoli<br>complementari al disegno |  |
| Macchina/gruppo      |  | IMR15DA                  |  |                                                      |  |
| Disegnato<br>Data    |  | Disegnato<br>Data        |  | Controllato<br>Data                                  |  |
| DISEGNO N.<br>E10252 |  | Foglio 7 di 12           |  | Foglio succ. 8                                       |  |
| Revisione (1-6)      |  | 3                        |  | 6                                                    |  |

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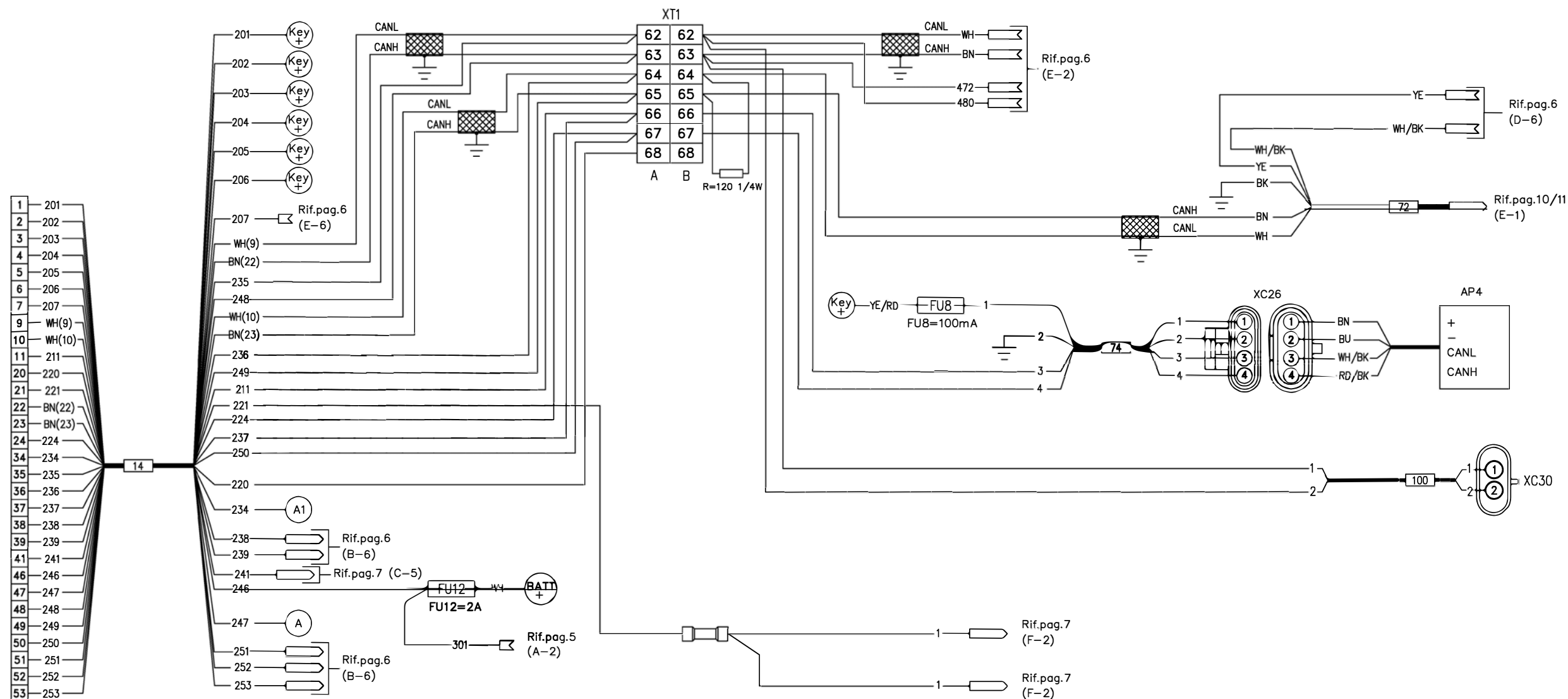
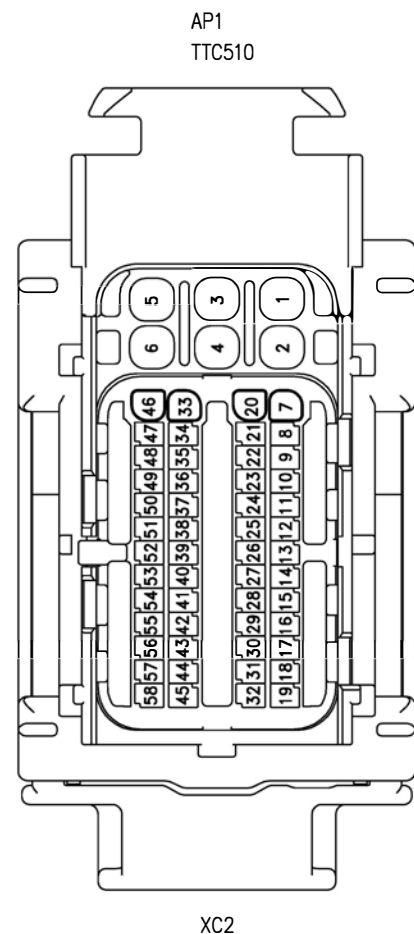
# TTC510 CONNECTIONS



|                   |  |                          |  |                                                   |  |
|-------------------|--|--------------------------|--|---------------------------------------------------|--|
| Denominazione     |  | SCHEMA DELLE CONNESSIONI |  | Spec.Tecniche / Capitoli complementari al disegno |  |
| Macchina/gruppo   |  | IMR15DA                  |  |                                                   |  |
| Disegnato Data    |  | Controllato Data         |  | Foglio 8 di 12                                    |  |
| Disegno N. E10252 |  |                          |  | Foglio succ. 9                                    |  |
| Revisione (1÷6)   |  | 3                        |  | 6                                                 |  |

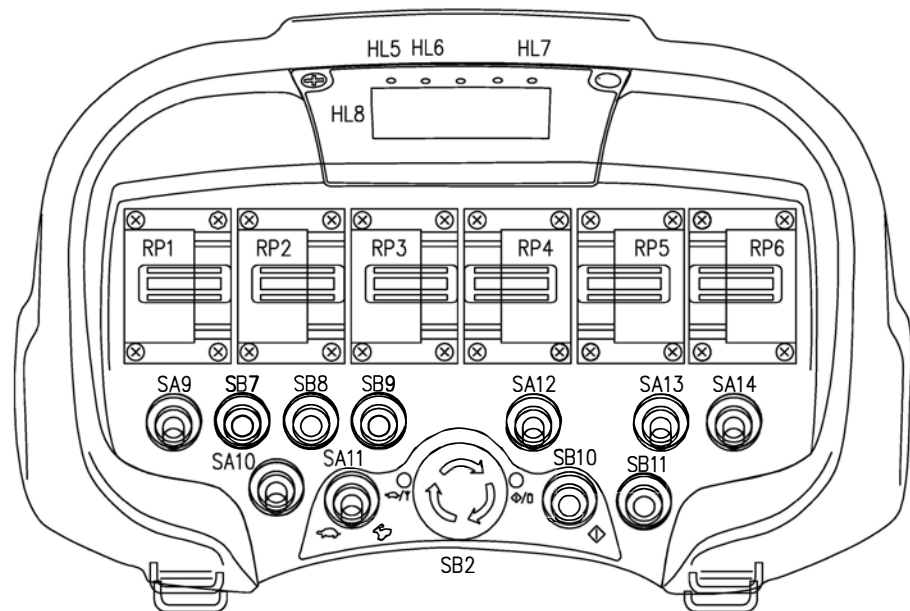
Hoogwerker Centrum.nl  
Specialist in compacte Hoogwerkers

# TTC510 CONNECTIONS

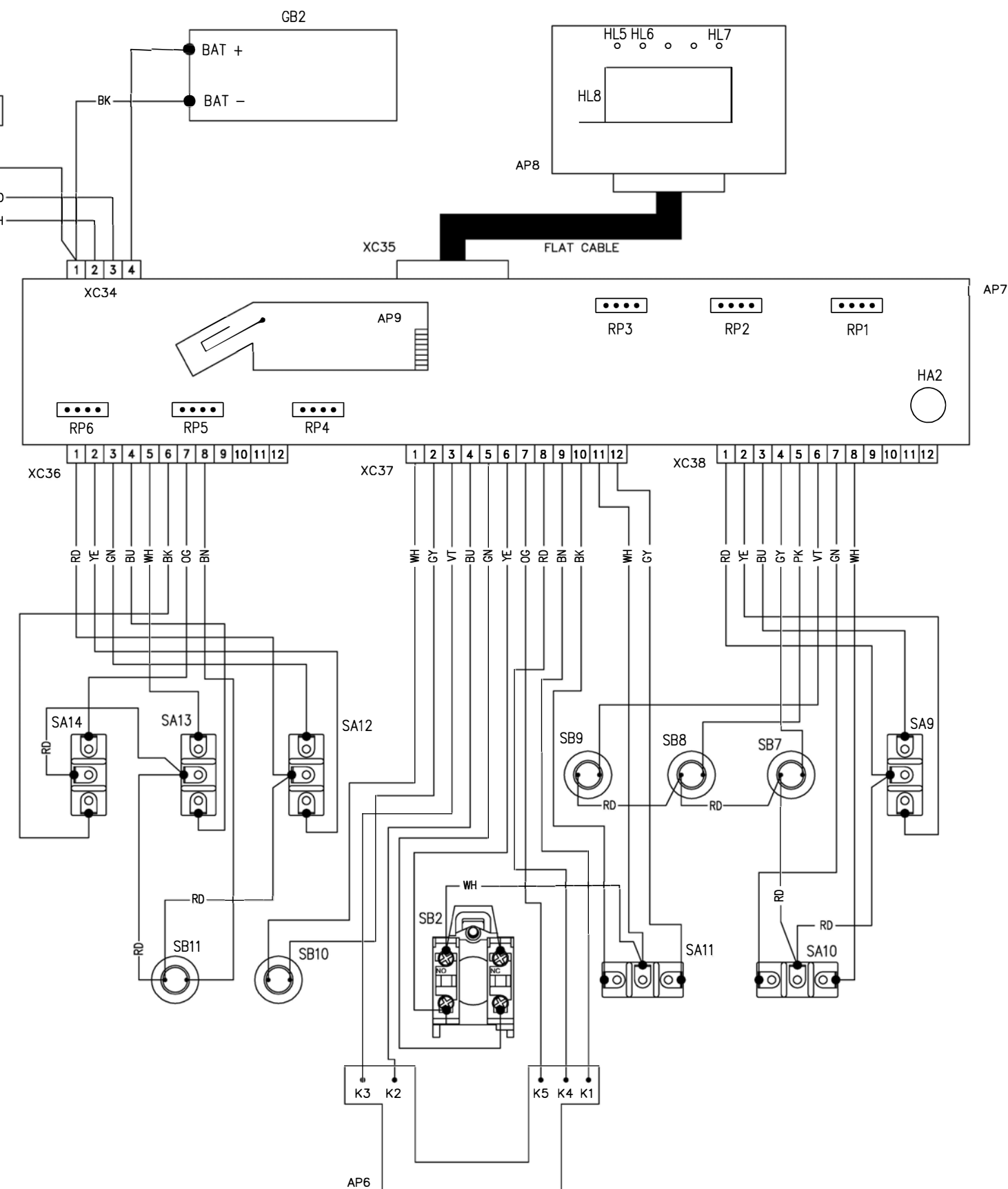
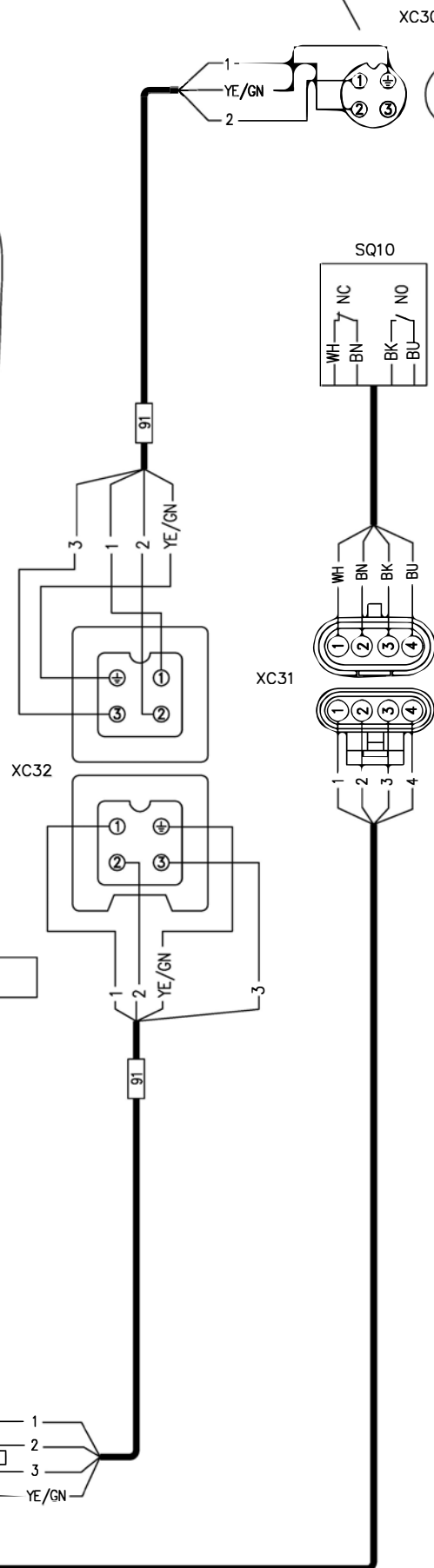


|                                     |  |                          |  |                                                     |  |
|-------------------------------------|--|--------------------------|--|-----------------------------------------------------|--|
| Denominazione                       |  | SCHEMA DELLE CONNESSIONI |  | Spec.Tecniche / Capitolati complementari al disegno |  |
| Macchina/gruppo                     |  | IMR15DA                  |  |                                                     |  |
| Disegnato Data                      |  | Disegnato Data           |  | Controllato Data                                    |  |
| Hoogwerker Centrum.nl               |  | DISEGNO N. E10252        |  | Foglio 9 di 12                                      |  |
| Specialist in compacte Hoogwerkers: |  | Revisione (1:6)          |  | Foglio succ. 10                                     |  |

RECEIVER AND PLATFORM PANEL RADIO VERSION

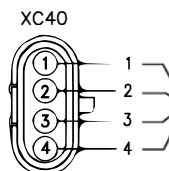


CONNECT ONLY IF IS NO POSSIBLE USE RADIO



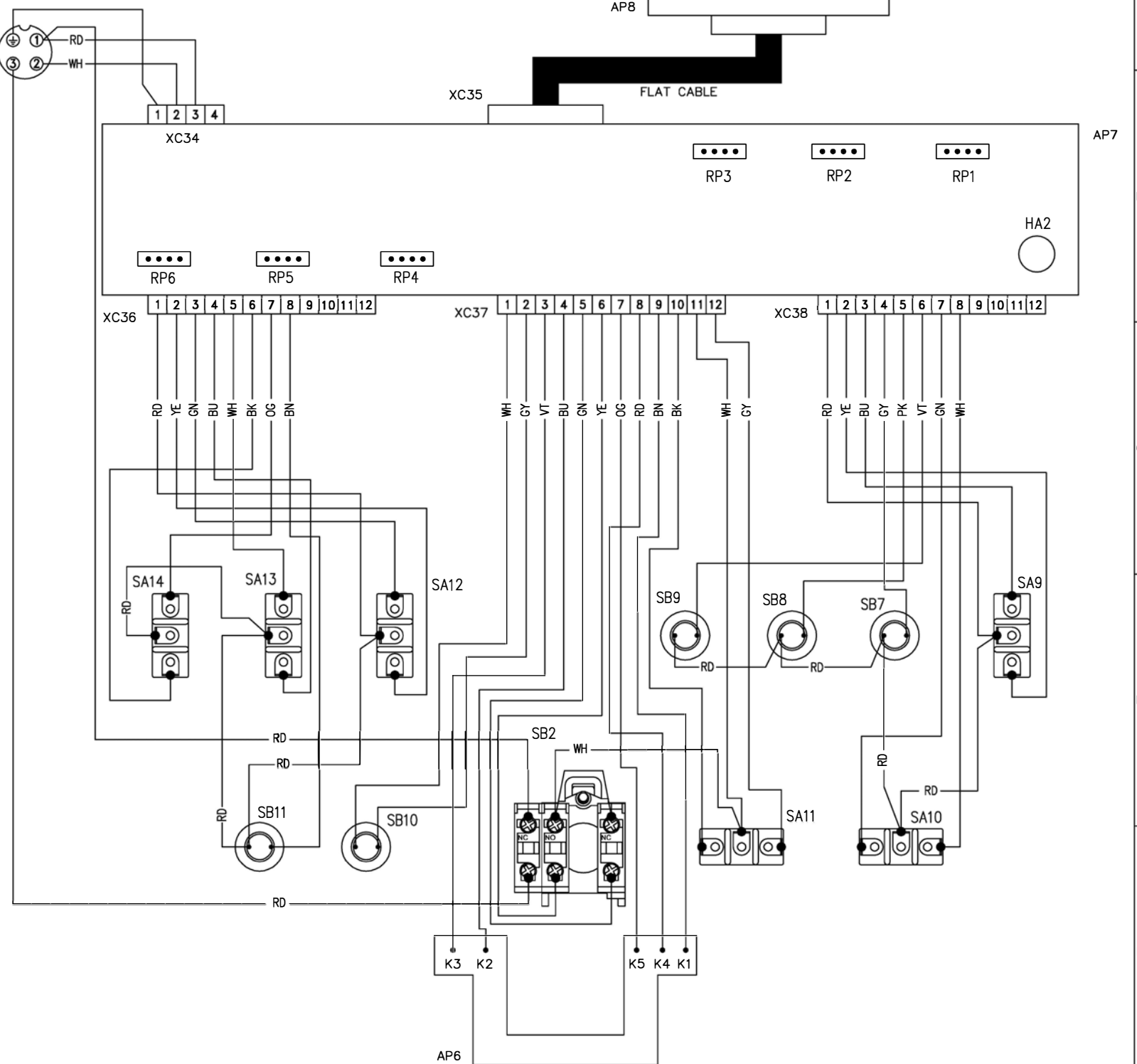
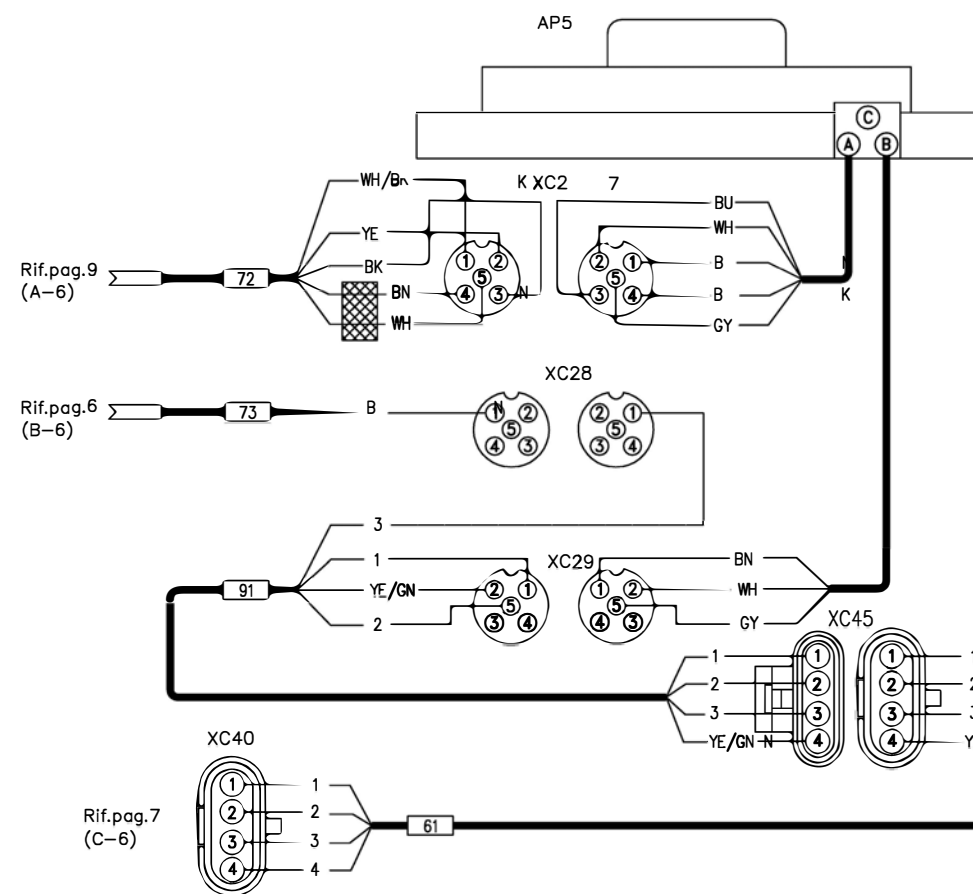
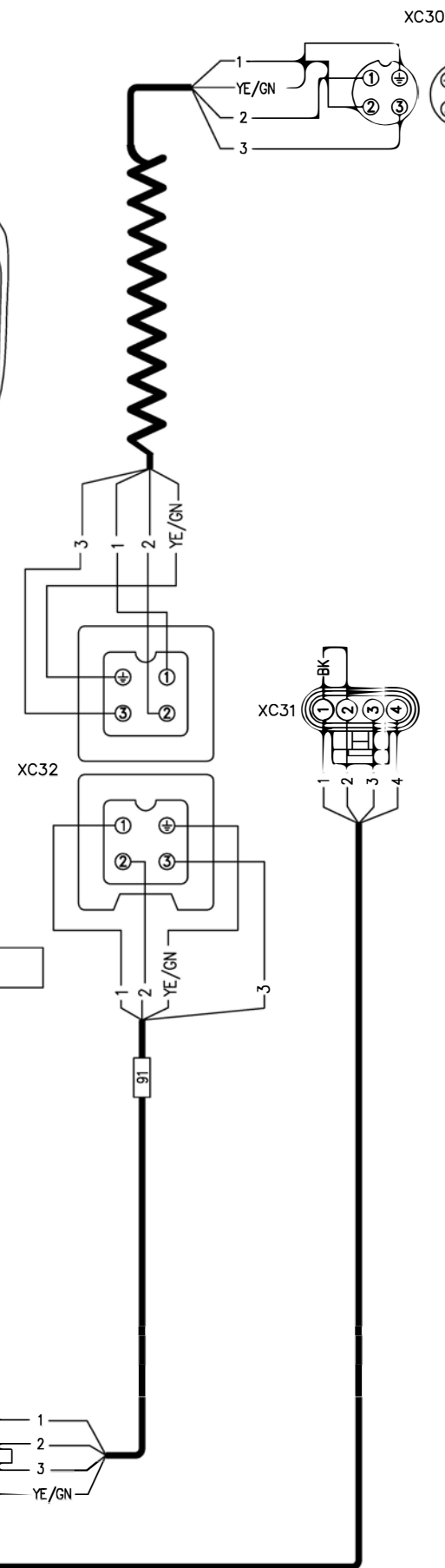
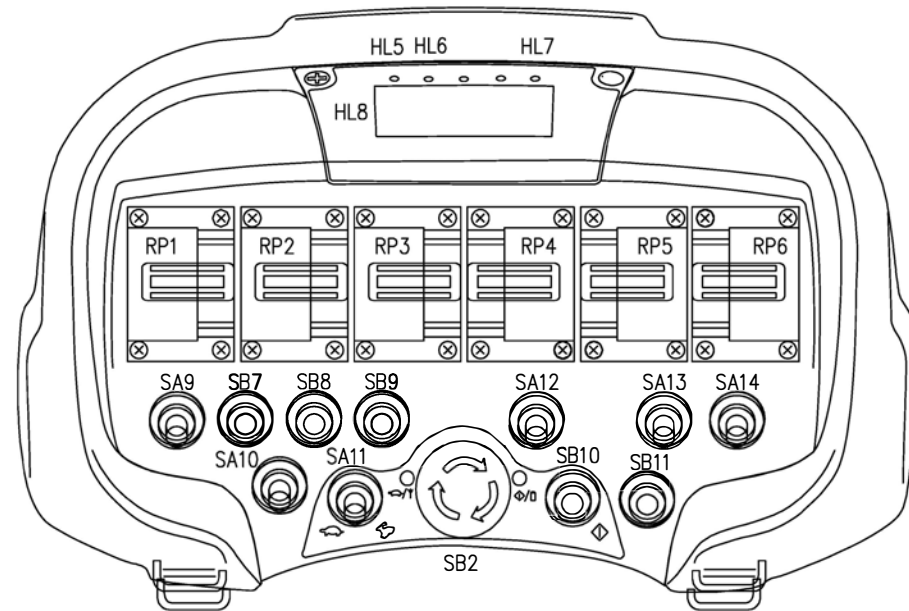
PLATFORM PANEL INTERNAL CONNECTIONS

Rif.pag.7  
(C-6)



|                                                                                                                              |  |                          |  |                                                        |  |
|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|--------------------------------------------------------|--|
| Denominazione                                                                                                                |  | SCHEMA DELLE CONNESSIONI |  | Spec.Tecniche / Capitalato<br>complementari al disegno |  |
| Macchina/gruppo                                                                                                              |  | Compact 15               |  |                                                        |  |
| <br>Specialist in compacte Hoogwerkers: |  | Disegnato                |  | Controllato                                            |  |
|                                                                                                                              |  | Data                     |  | Data                                                   |  |
|                                                                                                                              |  | DISEGNO N.               |  | Foglio 10 di 12                                        |  |
|                                                                                                                              |  | E10252                   |  | Foglio succ. 1                                         |  |
|                                                                                                                              |  | 3                        |  |                                                        |  |

RECEIVER AND PLATFORM PANEL CABLE VERSION



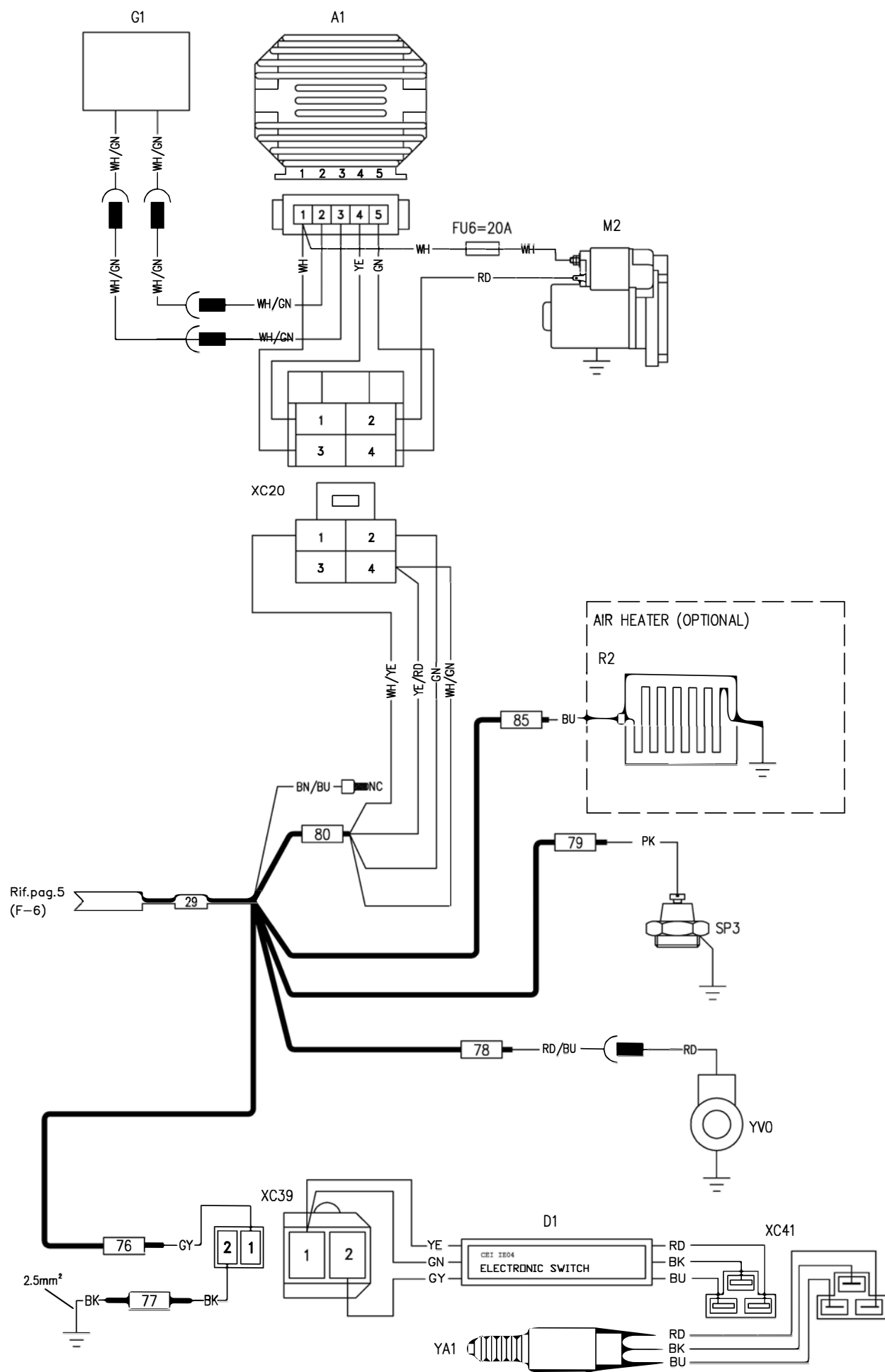
PLATFORM PANEL INTERNAL CONNECTIONS

|                 |  |                          |  |                                                     |  |
|-----------------|--|--------------------------|--|-----------------------------------------------------|--|
| Denominazione   |  | SCHEMA DELLE CONNESSIONI |  | Spec.Tecniche / Capitolati complementari al disegno |  |
| Macchina/gruppo |  | Compact 15 DA            |  |                                                     |  |
| Disegnato       |  | Data                     |  | Controllato                                         |  |
| Data            |  | Data                     |  | Data                                                |  |
| Disegno N.      |  | E10252                   |  | Foglio 11 di 12                                     |  |
| Revisione (1÷6) |  | 3                        |  | Foglio succ. 12                                     |  |
|                 |  | 6                        |  |                                                     |  |

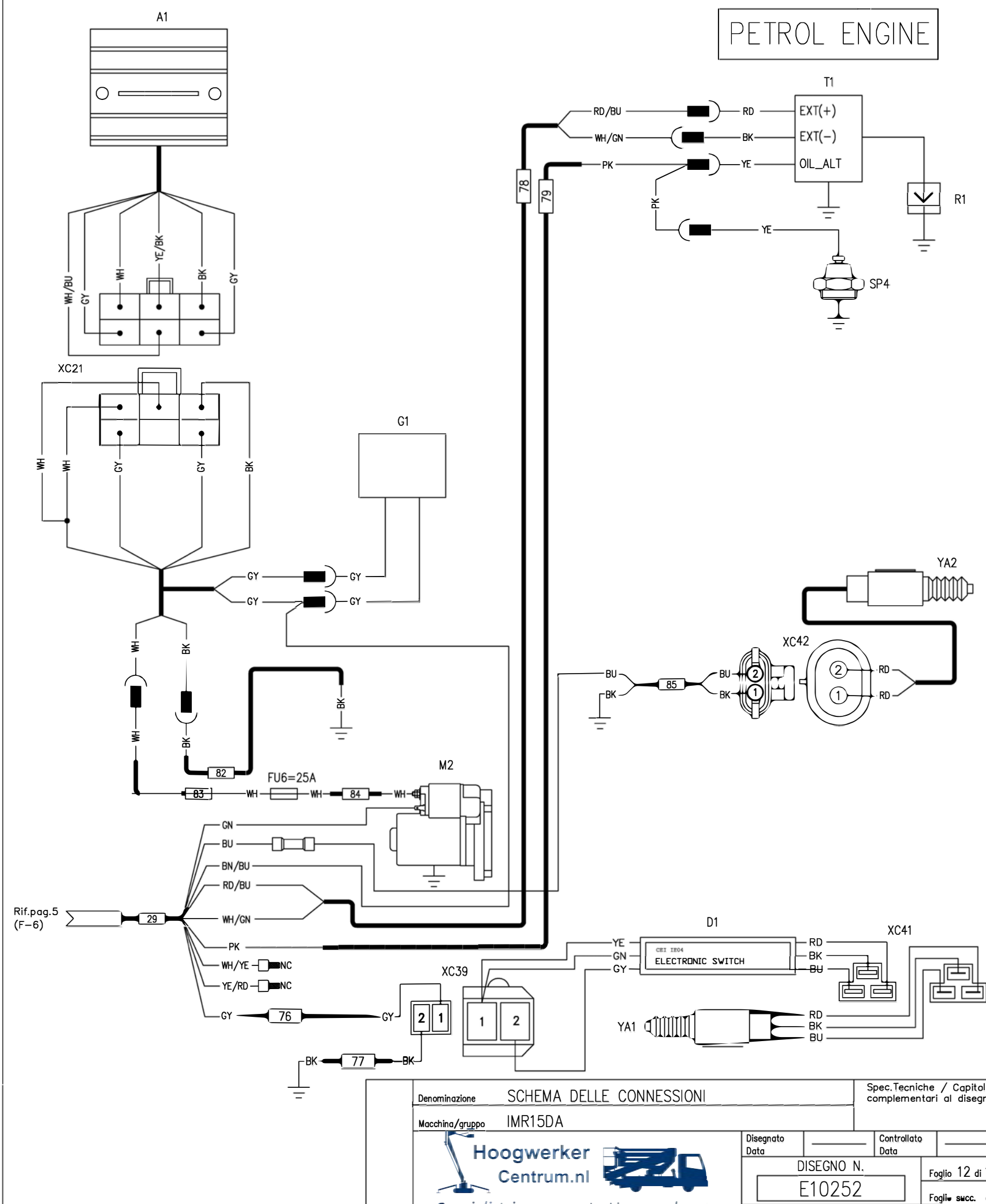
Hoogwerker Centrum.nl  
Specialist in compacte Hoogwerkers:

# DIESEL ENGINE (OPTIONAL)

The connector view side  
insertion pin



# PETROL ENGINE



Denominazione SCHEMA DELLE CONNESSIONI

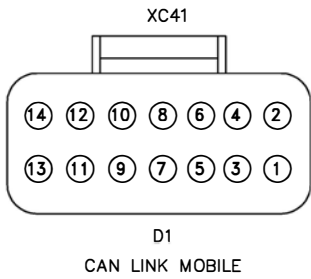
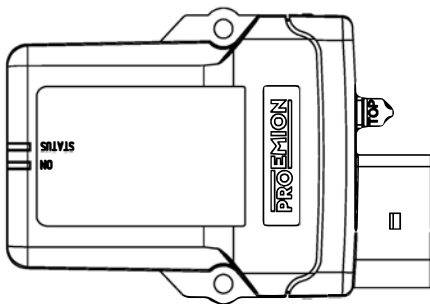
Macchina/gruppo IMR15DA

Hoogwerker  
Centrum.nl  
Specialist in compacte Hoogwerkers:

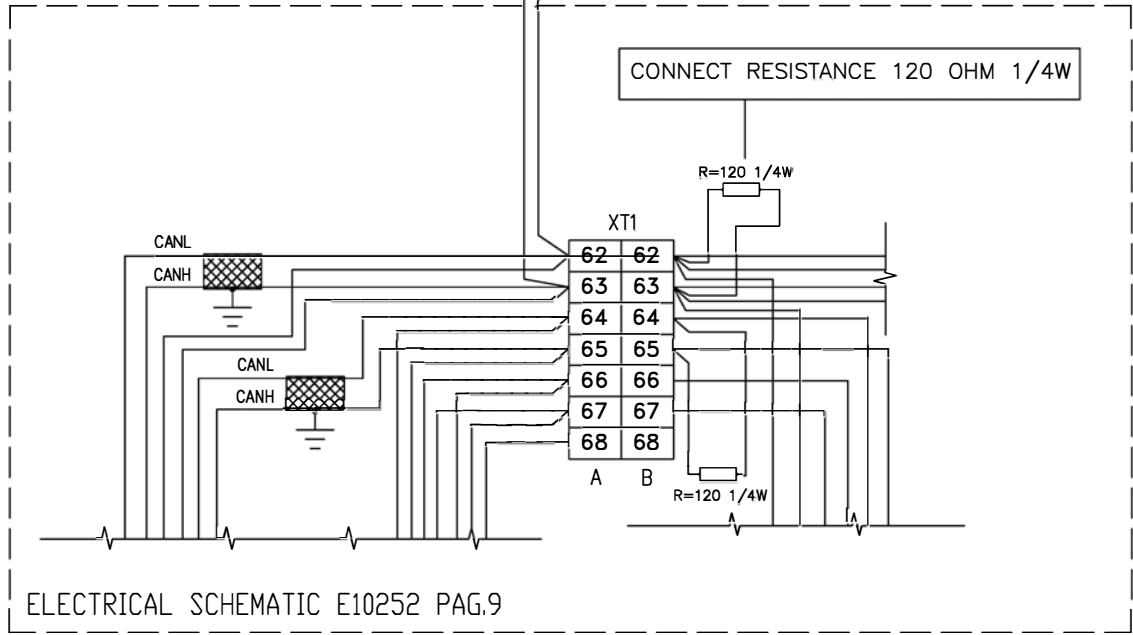
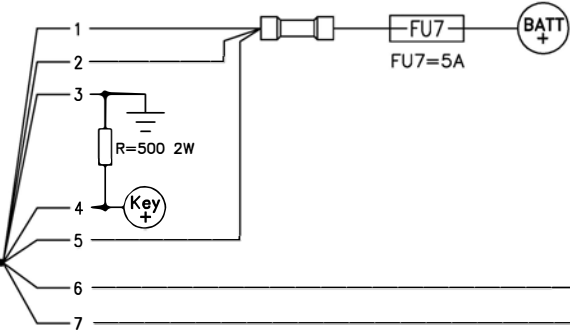
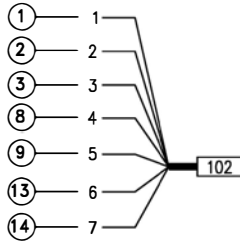
Spec. Tecniche / Capitoli  
complementari al disegno

| Disegnato<br>Data    | Controllato<br>Data | Foglio 12 di 12 |
|----------------------|---------------------|-----------------|
| DESIGNO N.<br>E10252 |                     | Foglio succ. o/ |
| Revisione (1+6)      | 3                   |                 |

CAN LINK MOBILE 3311 PROEMION IMR15DA



| PIN | FUNCTION          |
|-----|-------------------|
| 1   | POWER SUPPLY      |
| 2   | FACTORY SETTING 1 |
| 3   | TERMINAL 31/GND   |
| 8   | TERMINAL 15       |
| 9   | FACTORY SETTING 2 |
| 13  | CAN1-HIGH         |
| 14  | CAN1-LOW          |

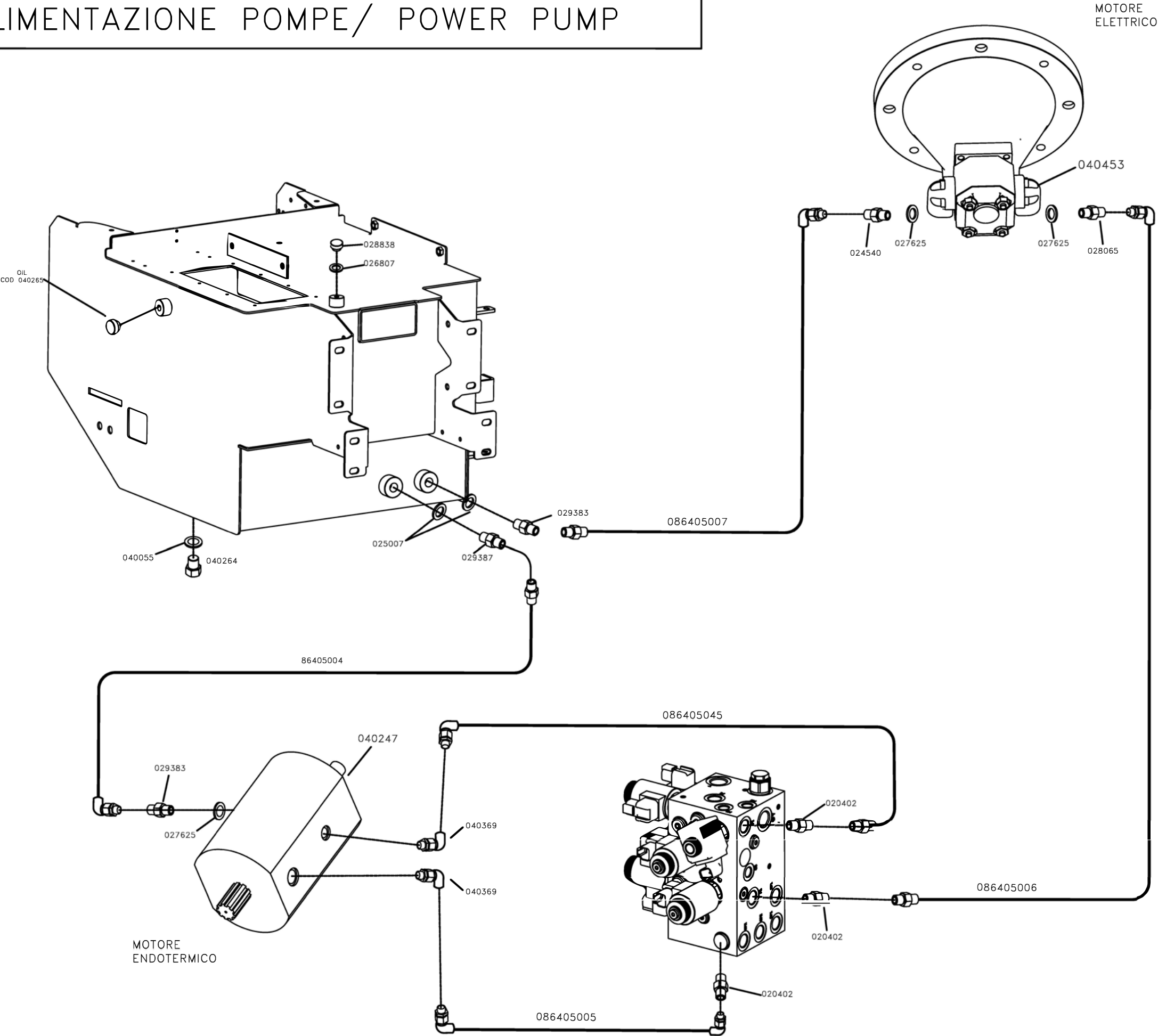


| Rev. | Descrizione della modifica | SDM | Data     | Dis. | Appr. |
|------|----------------------------|-----|----------|------|-------|
| 1    | Cambiato numero cavo       | 112 | 16/09/20 | M.V. | A.R.  |

|                                                                                                                                                                 |  |                                          |            |   |             |                                                        |              |  |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|------------|---|-------------|--------------------------------------------------------|--------------|--|-------|
| Denominazione                                                                                                                                                   |  | SCHEMA CONNESSIONI CANLINK 3311 PROEMION |            |   |             | Spec.Tecniche / Capitolati<br>complementari al disegno |              |  |       |
| Macchina/gruppo                                                                                                                                                 |  | IMR15DA                                  |            |   |             |                                                        |              |  |       |
| <br>Hoogwerker<br>Centrum.nl<br><i>Specialist in compacte Hoogwerkers:</i> |  | Disegnato                                | VICENZI M. |   | Controllato | ARIOLI R.                                              |              |  |       |
|                                                                                                                                                                 |  | Data                                     | 28/07/20   |   | Data        | 28/07/20                                               |              |  |       |
|                                                                                                                                                                 |  | DISEGNO N.                               |            |   |             |                                                        | Fogl         |  | id di |
|                                                                                                                                                                 |  | <div></div>                              |            |   |             |                                                        | Foglie succ. |  | /     |
|                                                                                                                                                                 |  | Revisione (1:6)                          |            | 1 |             |                                                        |              |  |       |

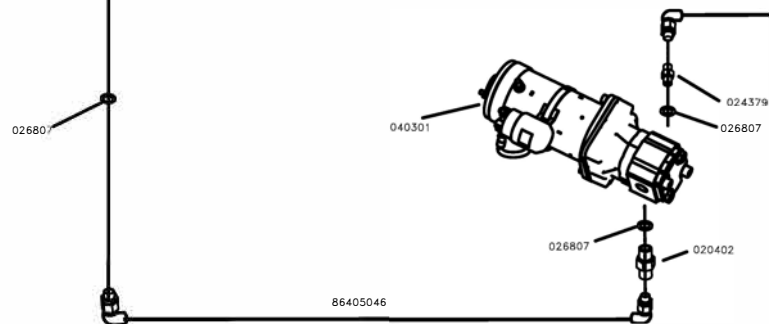
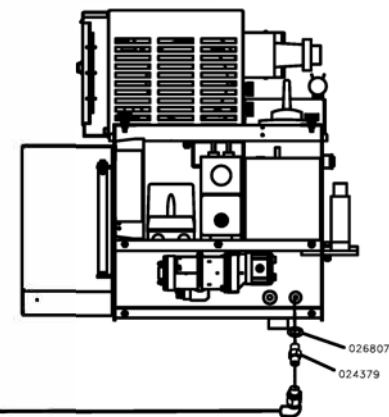
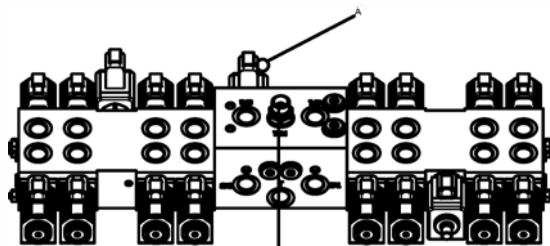
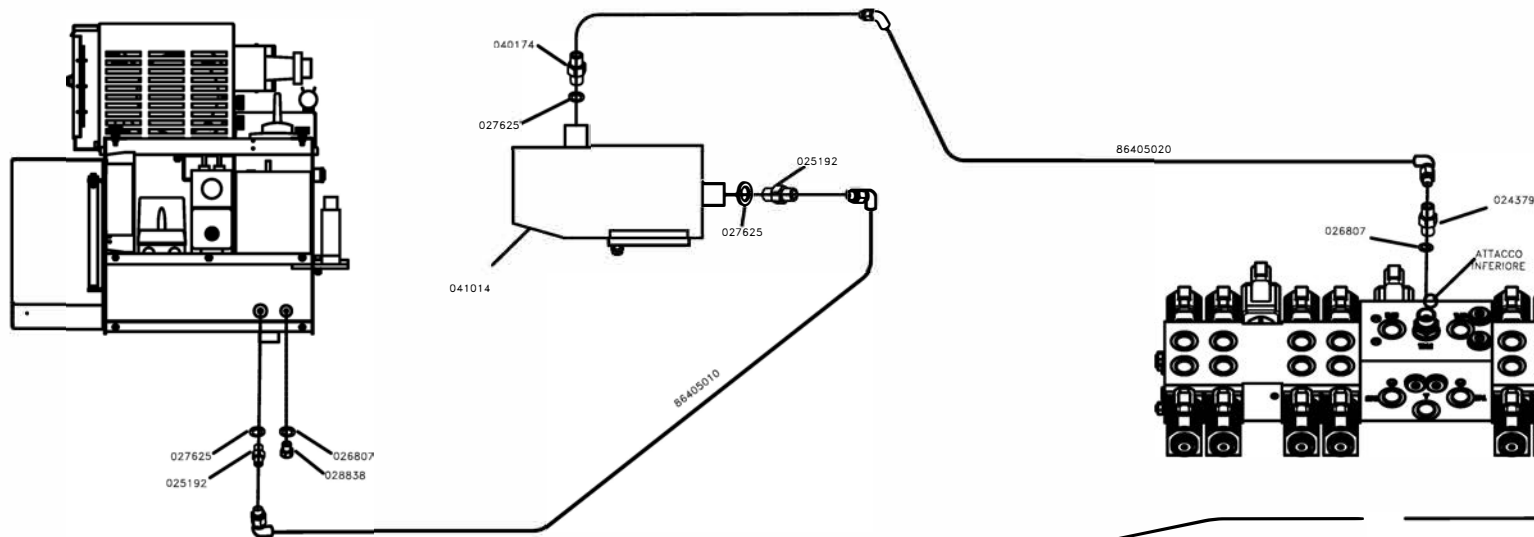


IMPIANTO IDRAULICO/ HYDRAULIC SYSTEM  
ALIMENTAZIONE POMPE/ POWER PUMP



| CODICE   | TUBI                                   | QUANTITA' |
|----------|----------------------------------------|-----------|
| 86405045 | TF_EN8571SCK_06_900_DKOLF12_IPF06      | 1         |
| 86405004 | TF_SAE100R4_12_1650_IPF12_IPF9012-C    | 1         |
| 86405005 | TF_EN8571SCK_06_900_DK90OLF12_IPF9006  | 1         |
| 86405007 | TF_SAE100R4_08_520_IPF9008_IPF9008_270 | 1         |
| 86405006 | TF_EN8571SC_06_1500_IPF06_DK90OLF12    | 1         |
| RACCORDI |                                        |           |
| 027625   | RONDELLA BONDED 1/2"                   | 3         |
| 040055   | RONDELLA BONDED 1"                     | 1         |
| 026807   | RONDELLA BONDED 3/8"                   | 1         |
| 025007   | RONDELLA BONDED 3/4"                   | 2         |
| 040264   | TAPPO MAGNETICO 1" >                   | 1         |
| 028838   | TAPPO MASCHIO 3/8"                     | 1         |
| 020402   | R.G._M/M_3/8"_3/8"_EL                  | 3         |
| 029387   | R.G._M/M_3/4"_3/4"_EL                  | 1         |
| 040369   | A.L._M/M_12L_3/8" CONTRODADO           | 2         |
| 024540   | R.G._M/M_1/2"_1/2"_EL                  | 1         |
| 029383   | R.G._M/M_1/2"_3/4"_EL                  | 2         |
| 028065   | R.G._M/M_12L_1/2"_EL                   | 1         |
| 040265   | INDICATORE LIVELLO OLIO                | 1         |
| 040453   | POMPA SINGOLA CON VALVOLA DI MASSIMA   | 1         |
| 040247   | POMPA DOPPIA                           | 1         |

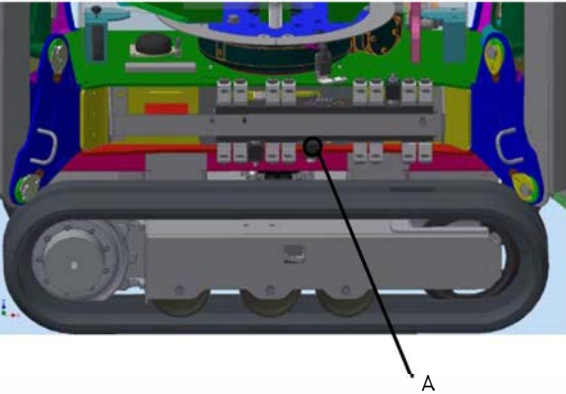
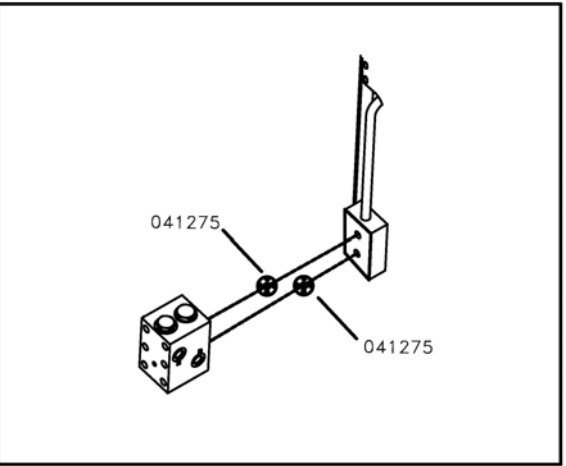
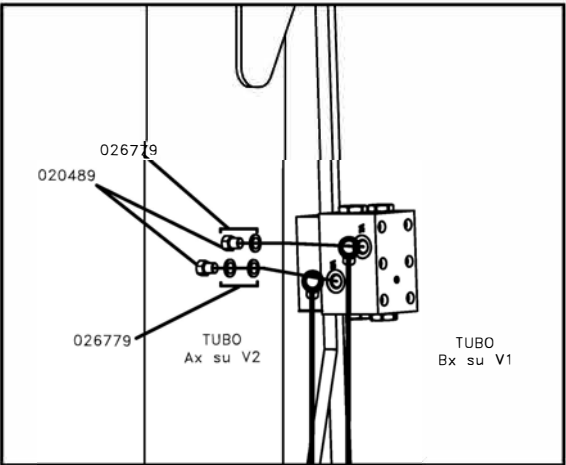
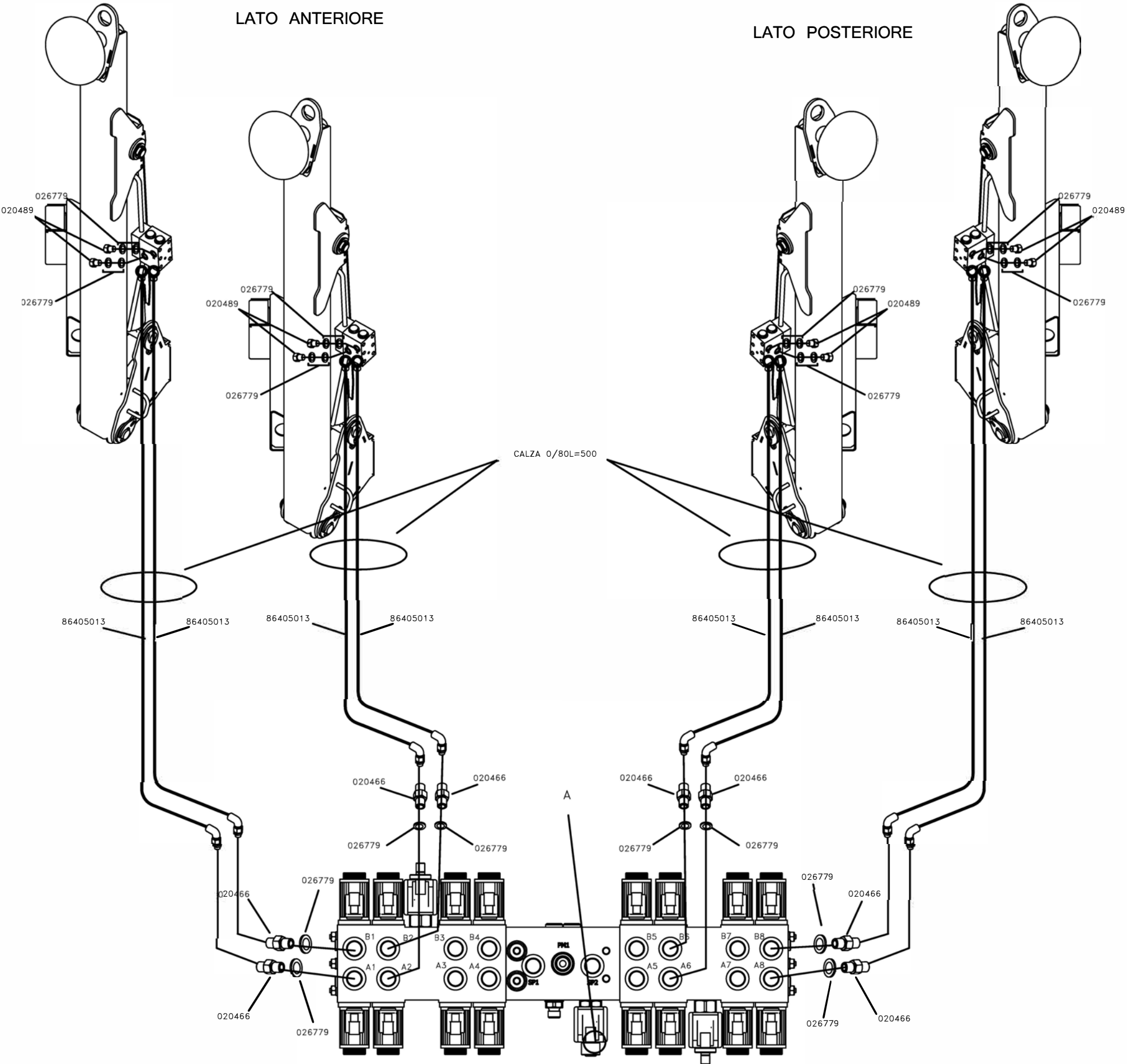
|                                                                     |                            |                                                         |          |                                                                       |       |
|---------------------------------------------------------------------|----------------------------|---------------------------------------------------------|----------|-----------------------------------------------------------------------|-------|
| MODIFICATE LUNGHEZZE TUBI E RACCORDI                                |                            | 120                                                     | 26/02/22 | GF                                                                    | GF    |
| Rev.                                                                | Descrizione della modifica | SDM                                                     | Data     | Dis.                                                                  | Appr. |
| Spec. Tecniche / Capitoli complementari al disegno                  |                            | Componente di sicurezza con documentazione obbligatoria |          |                                                                       |       |
| La nota compresa tra "..." riguardano la sicurezza                  |                            | <input checked="" type="checkbox"/> S                   |          | Questo disegno contiene N. <input type="checkbox"/> note di sicurezza |       |
| Note generali                                                       |                            | Denominazione                                           |          |                                                                       |       |
| Valori generali per quote senza tolleranza, smussi e raggi compresi |                            | ALIMENTAZIONE POMPE/ POWER PUMP                         |          |                                                                       |       |
| ISO 2768 - mK                                                       |                            | IMR 15 DA                                               |          |                                                                       |       |
| Tolleranze angolari                                                 |                            | Materiale                                               |          |                                                                       |       |
| ± 0 °                                                               |                            | N. Pagine                                               |          |                                                                       |       |
| Togliere gli spigoli con smussi o raggi                             |                            | Disegnato CAD                                           |          |                                                                       |       |
| Raggi                                                               |                            | Data                                                    |          |                                                                       |       |
| R1                                                                  |                            | Controlato                                              |          |                                                                       |       |
| R2                                                                  |                            | Data                                                    |          |                                                                       |       |
| R3                                                                  |                            | Peso kg                                                 |          |                                                                       |       |
| R4                                                                  |                            | Scala 1:3                                               |          |                                                                       |       |
| R5                                                                  |                            | Revisione                                               |          |                                                                       |       |
| R6                                                                  |                            | R01                                                     |          |                                                                       |       |
| R7                                                                  |                            | G.C.                                                    |          |                                                                       |       |
| R8                                                                  |                            | G.F.                                                    |          |                                                                       |       |
| R9                                                                  |                            | G.F.                                                    |          |                                                                       |       |
| R10                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R11                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R12                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R13                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R14                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R15                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R16                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R17                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R18                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R19                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R20                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R21                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R22                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R23                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R24                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R25                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R26                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R27                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R28                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R29                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R30                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R31                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R32                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R33                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R34                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R35                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R36                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R37                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R38                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R39                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R40                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R41                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R42                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R43                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R44                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R45                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R46                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R47                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R48                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R49                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R50                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R51                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R52                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R53                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R54                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R55                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R56                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R57                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R58                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R59                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R60                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R61                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R62                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R63                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R64                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R65                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R66                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R67                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R68                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R69                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R70                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R71                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R72                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R73                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R74                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R75                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R76                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R77                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R78                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R79                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R80                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R81                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R82                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R83                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R84                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R85                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R86                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R87                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R88                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R89                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R90                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R91                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R92                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R93                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R94                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R95                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R96                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R97                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R98                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R99                                                                 |                            | G.F.                                                    |          |                                                                       |       |
| R100                                                                |                            | G.F.                                                    |          |                                                                       |       |



POMPA ELETTRICA  
ELECTRIC PUMP  
(1129163)

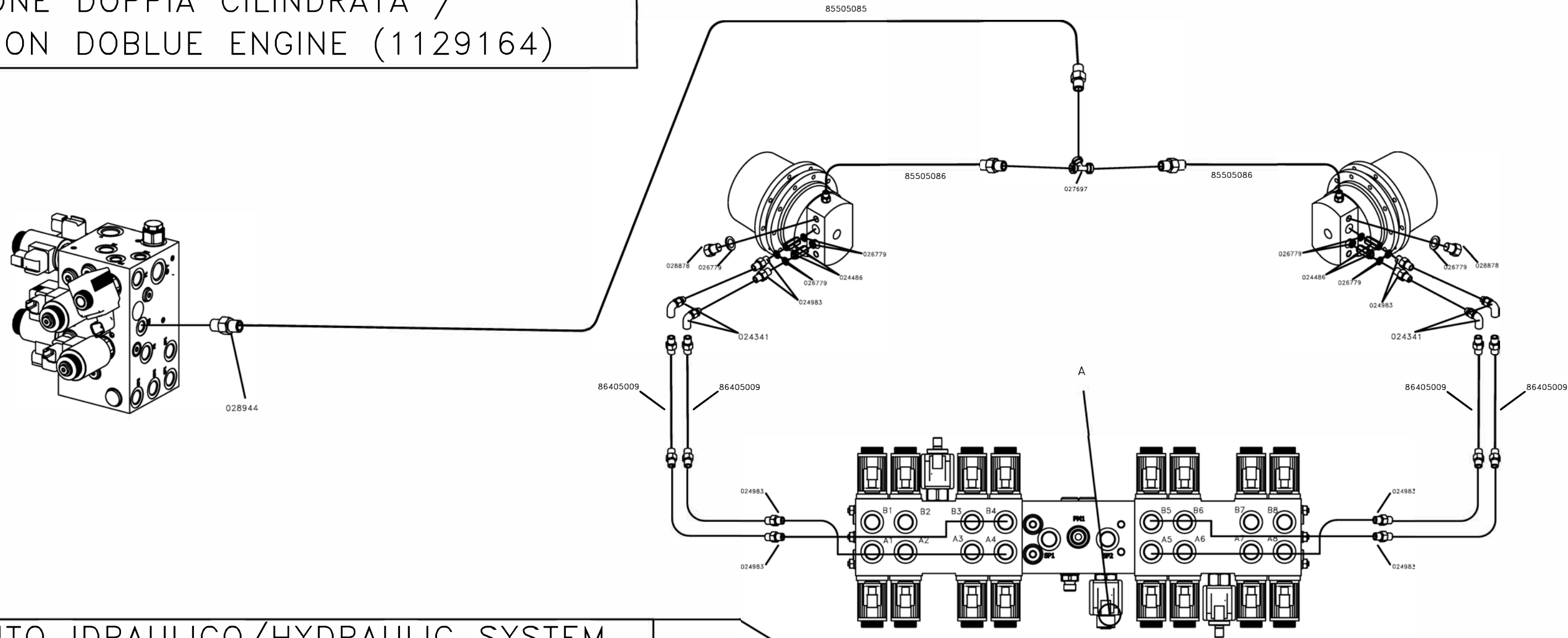
| CODICE                                                                               |                                         | QUANTITA'                                                                                                   |
|--------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 86405020                                                                             | TF_EN8571SC 04 2600 DK900LF10 DK900LF10 | 1                                                                                                           |
| 86405010                                                                             | TF_EN8531ST_06_700_IPF9006_IPF9006      | 1                                                                                                           |
| RACCORDI                                                                             |                                         |                                                                                                             |
| 026807                                                                               | RONDELLA BONDED 3/8"                    | 2                                                                                                           |
| 027625                                                                               | RONDELLA BONDED 1/2"                    | 3                                                                                                           |
| 028838                                                                               | TAPPO MASCHIO 3/8"                      | 1                                                                                                           |
| 041014                                                                               | POMPA MANUALE                           | 1                                                                                                           |
| 025192                                                                               | R.G. M/M 1/2 3/8" EL                    | 2                                                                                                           |
| 040174                                                                               | R.G. M/M 10L 1/2" EL                    | 1                                                                                                           |
| 024379                                                                               | R.G. M/M 10L 3/8" EL                    | 1                                                                                                           |
| OPZIONALE 1129163                                                                    |                                         |                                                                                                             |
| (TUBI)                                                                               |                                         |                                                                                                             |
| 86405047                                                                             | TF_EN8571SC 06 500 DK900LF10 DK900LF10  | 1                                                                                                           |
| 86405040                                                                             | TF_EN8571SC_06_2100_IPF9006_IPF9006     | 1                                                                                                           |
| RACCORDI                                                                             |                                         |                                                                                                             |
| 026807                                                                               | RONDELLA BONDED 3/8"                    | 4                                                                                                           |
| 020402                                                                               | R.G. M/M 3/8" 3/8" EL                   | 1                                                                                                           |
| 024379                                                                               | R.G. M/M 10L 3/8" EL                    | 2                                                                                                           |
| 040301                                                                               | POMPA 12V                               | 1                                                                                                           |
|                                                                                      |                                         |                                                                                                             |
|                                                                                      |                                         |                                                                                                             |
| 6 EMERGENCY PUMP                                                                     |                                         | 120 3000 GF GF                                                                                              |
| Rev.                                                                                 | Descrizione della modifica              | 37% Class. 7% Appt.                                                                                         |
| Spec. Tecniche / Capiscoli<br>componenti al disegno                                  |                                         | Componente di sicurezza con documentazione obbligatoria                                                     |
| Le note saranno inv. - "I" segnalare la sicurezza                                    |                                         | <input checked="" type="checkbox"/> S Qualità design conforme N° <input type="checkbox"/> voce di sicurezza |
| Note generali                                                                        |                                         | Osservazioni: CONNESSIONI IDRAULICHE STERZO E POMPE DE                                                      |
| Valori generali per scelta senza tolleranza, attenti a valori compresi ISO 2768 - mK |                                         | Material: IMR 15 DA                                                                                         |
| Informazione agli organi di progetto di legge di legge                               | Equivalenza alla norma CE CE CE CE CE   | N° Parti<br>Press. max<br>Sost. 13<br>Pressione                                                             |
| Hoogwerker Centrum.nl<br>Specialist in compact Hoogwerkers                           |                                         | Design with CAD<br>Data<br>Control<br>Date<br>110107<br>11/01/07                                            |

IMPIANTO IDRAULICO/HYDRAULIC SYSTEM  
STABILIZZATORI / STABILIZER

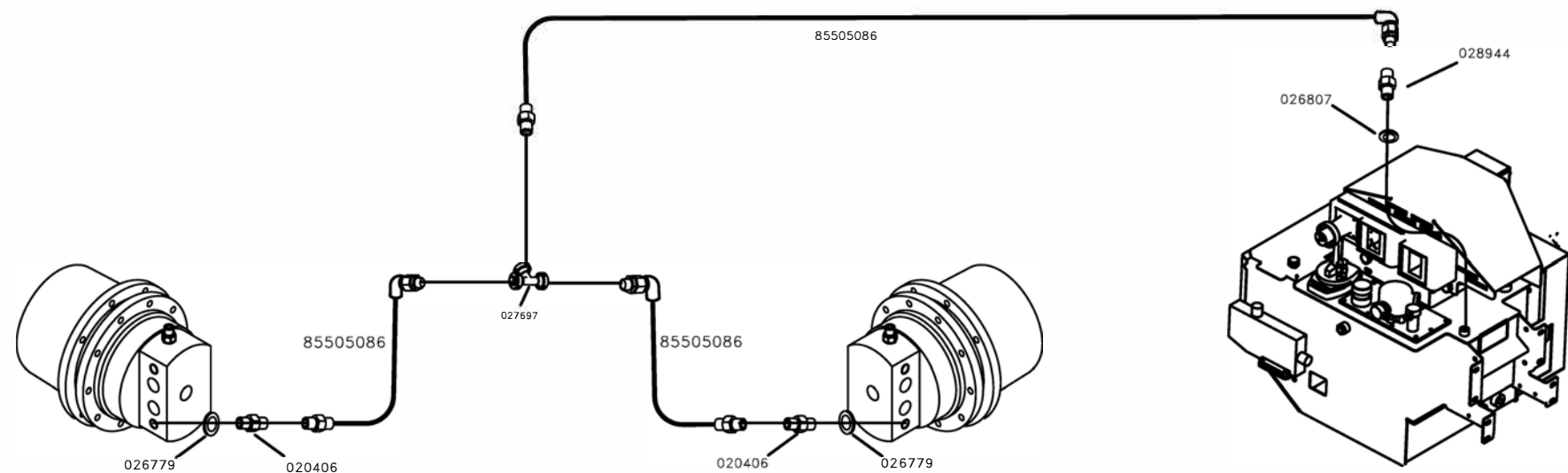


| CODICE                                                                            | TUBI                                 | QUANTITA'                                                                                                 |
|-----------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 86405013                                                                          | TF_EN8571SCK_04_1500_DK45OLF10_IP004 | 8                                                                                                         |
| RACCORDI                                                                          |                                      |                                                                                                           |
| 026779                                                                            | RONDELLA BONDED 1/4"(RQRB04)         | 24                                                                                                        |
| 020489                                                                            | MTE FORATA 1/4" LUNGHEZZA 25         | 8                                                                                                         |
| 020466                                                                            | R.G._M/M 10L 1/4"_EL                 | 8                                                                                                         |
| 041275                                                                            | STROZZATORE DIAFRAMMA UNI. >         | 8                                                                                                         |
| Rev                                                                               |                                      |                                                                                                           |
| Descrizione della modifica                                                        |                                      | 120 30/02/2018 G.F. G.F.                                                                                  |
| Spec. Tecniche / Capitoli complementari al disegno                                |                                      | SDM Data Dir. Appr.                                                                                       |
| Le note comprese tra "..." riguardano la sicurezza                                |                                      | <input checked="" type="checkbox"/> S Quest'ordine grondaie N. <input type="checkbox"/> note di sicurezza |
| Note generali                                                                     |                                      | Denominazione STABILIZZATORI / STABILIZER                                                                 |
| Valori generali per quote senza tolleranza, smussi e raggi compresi ISO 2768 - mK |                                      | Macchine/gruppo IMR 15 DA                                                                                 |
| Tolleranze angolari ± 0 fr                                                        |                                      | Materiali p                                                                                               |
| Tolleranze di spigoli con smussi o raggi 0.5x15 r=0.5                             |                                      |                                                                                                           |
| Equisanità                                                                        |                                      |                                                                                                           |
| Segno                                                                             |                                      |                                                                                                           |
| Togliera gli spigoli con smussi o raggi                                           |                                      |                                                                                                           |
| 0.5x15 r=0.5                                                                      |                                      |                                                                                                           |
| Hoogwerker Centrum.nl                                                             |                                      |                                                                                                           |
| Specialist in compacte Hoogwerkers                                                |                                      |                                                                                                           |
| N. Pagine Data                                                                    |                                      | 18/06/2018                                                                                                |
| Peso kg                                                                           |                                      |                                                                                                           |
| Scala 1:3                                                                         |                                      |                                                                                                           |
| I10107                                                                            |                                      |                                                                                                           |
| Rev. 1.0                                                                          |                                      |                                                                                                           |

IMPIANTO IDRAULICO /HYDRAULIC SYSTEM  
TRAZIONE DOPPIA CILINDRATA /  
TRACTION DOBLUE ENGINE (1129164)

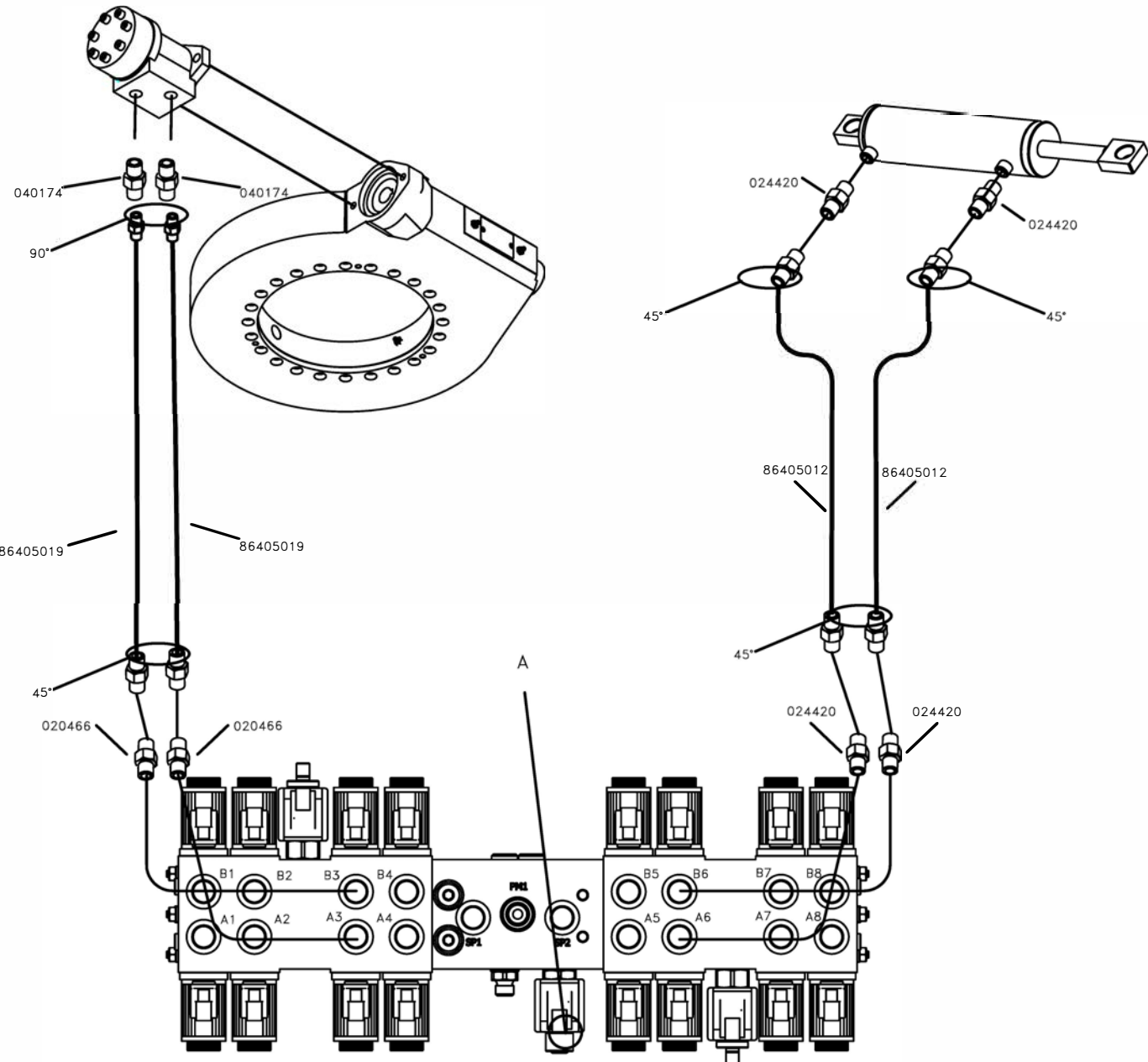
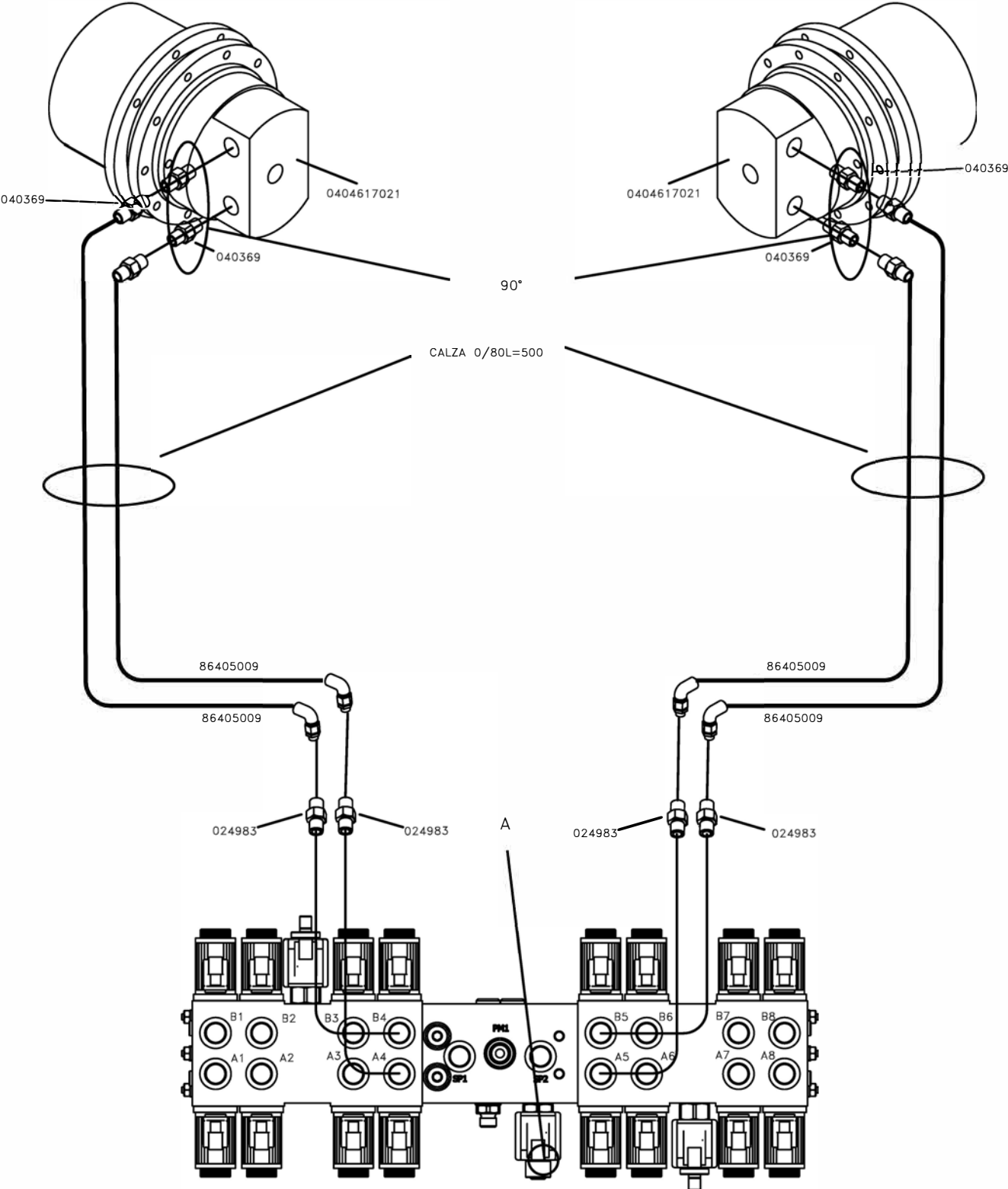


IMPIANTO IDRAULICO/HYDRAULIC SYSTEM  
RITORNO / RETURN OPZIONAL (1129164)



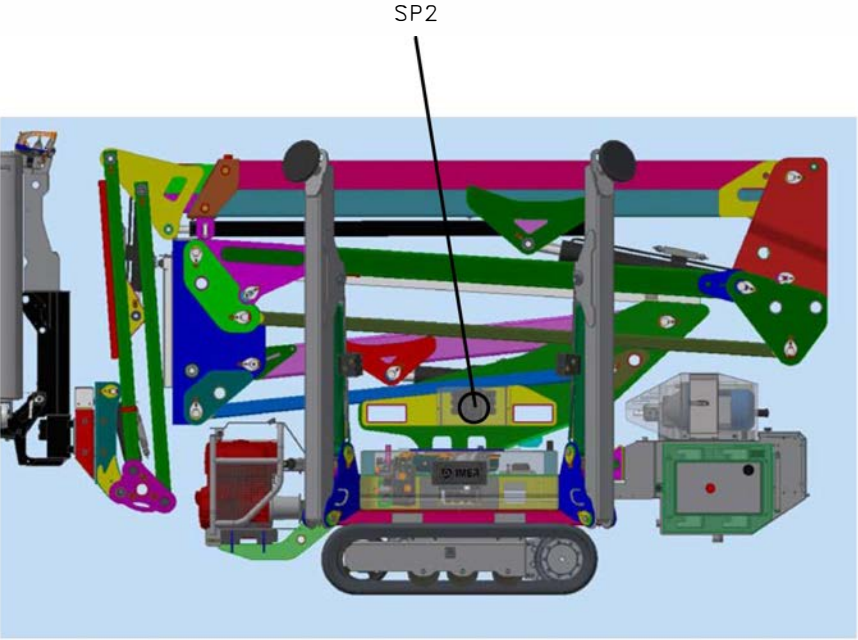
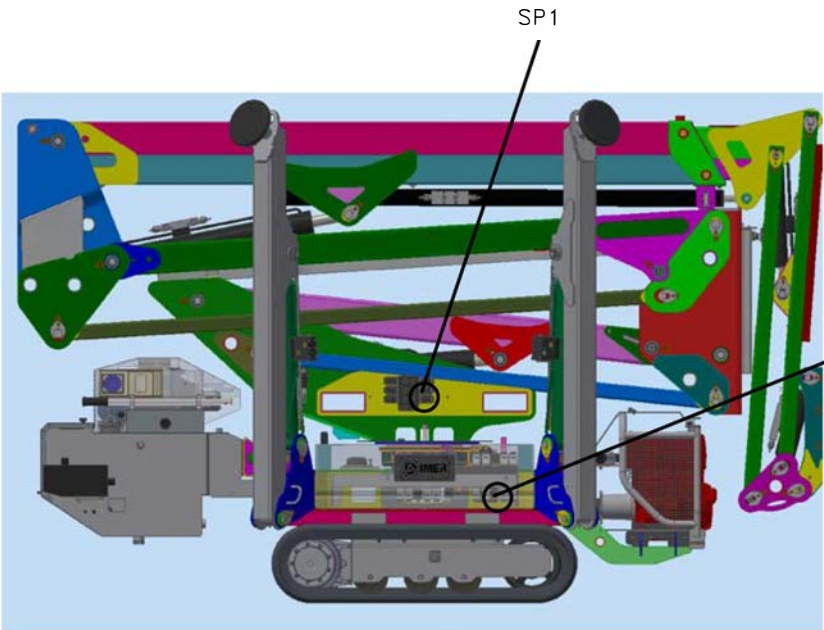
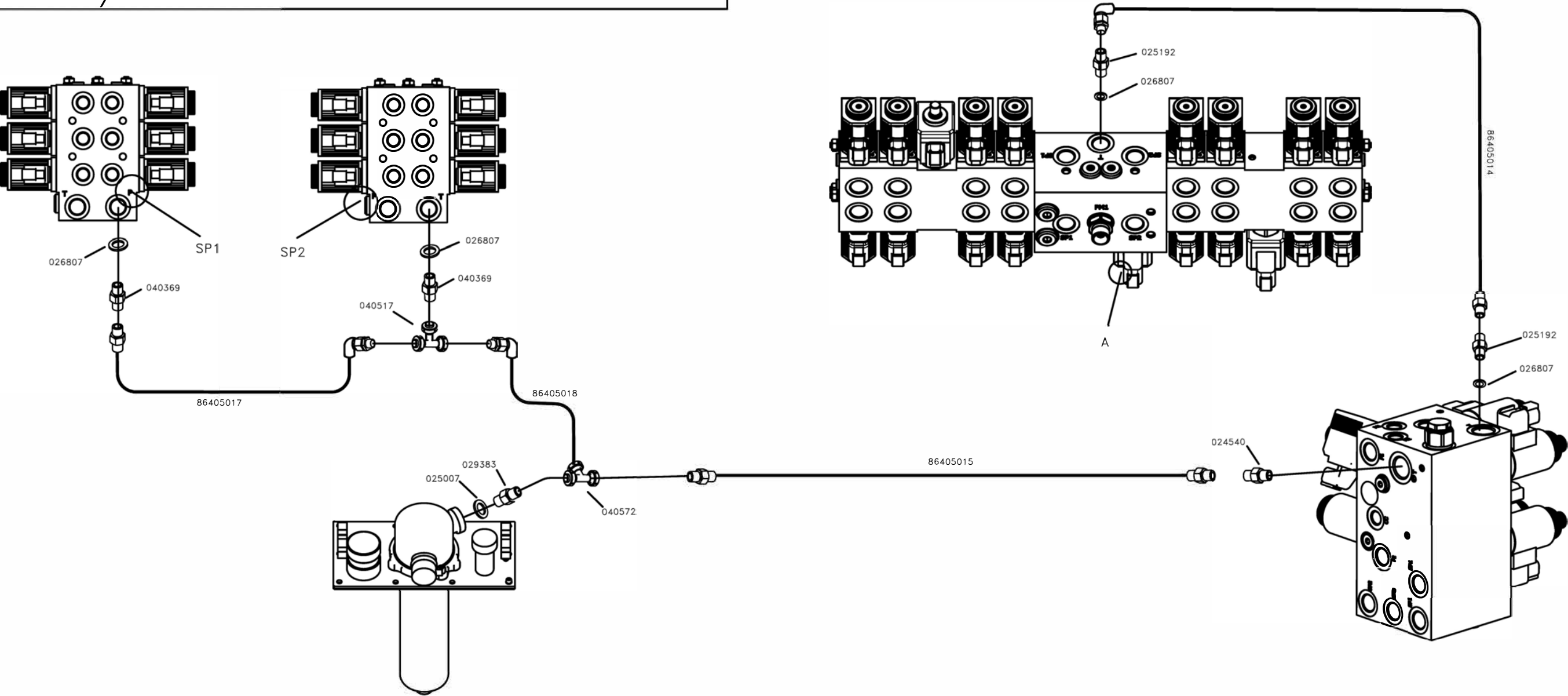
| CODICE                                                              | KIT 1129164                            | QUANTITA'                                                                                                   |
|---------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------|
| TUBI                                                                |                                        |                                                                                                             |
| 85505085                                                            | TF_EN8571SC_04_1300_IPF04_IPF04        | 1                                                                                                           |
| 86405009                                                            | TF_EN8571SCK_06_1100_DKOLF12_DK45OLF12 | 4                                                                                                           |
| 85505086                                                            | TF-EN8571SC_04_750_IPF04_IPF9004       | 4                                                                                                           |
| RACCORDI                                                            |                                        |                                                                                                             |
| 024341                                                              | A.L._M/F_12L_12L GIR_EL                | 4                                                                                                           |
| 026693                                                              | R.G._M/M_8L_3/8" EL                    | 1                                                                                                           |
| 024486                                                              | PROLUNGA MF 1/4" H.ES.45               | 4                                                                                                           |
| 028878                                                              | TAPPO MASCHIO 1/4"                     | 2                                                                                                           |
| 026779                                                              | RONDELLA BONDED SEAL 1/4"(RORB04)      | 12                                                                                                          |
| 026807                                                              | RONDELLA BONDED SEAL 3/8"              | 1                                                                                                           |
| 024983                                                              | R.G._M/M_12L_1/4" EL                   | 4                                                                                                           |
| 027697                                                              | A.T._M/M/M_1/4" 1/4" 1/4"              | 2                                                                                                           |
| 020406                                                              | R.G._M/M_1/4" 1/4"                     | 2                                                                                                           |
| 028944                                                              | R.G._M/M_3/8" 1/4"                     | 2                                                                                                           |
| 6 MODIFICATE LUNGHEZZE TUBI E RACCORDI                              |                                        |                                                                                                             |
| Rev.                                                                | Descrizione della modifica             | SDM Data Dis Appr                                                                                           |
| Spec. Tecniche / Capitoli complementari al disegno                  |                                        | Componente di sicurezza con documentazione obbligatoria                                                     |
| Le note comprese tra "..." riguardano la sicurezza                  |                                        | <input checked="" type="checkbox"/> S Questo disegno contiene N. <input type="checkbox"/> note di sicurezza |
| Note generali                                                       |                                        | Denominazione                                                                                               |
| Valori generali per quote senza tolleranza, smussi e raggi compresi |                                        | Macchina/gruppo                                                                                             |
| ISO 2768 - mK                                                       |                                        | Materiale                                                                                                   |
| Tolleranze angolari<br>± 0° 15'                                     |                                        | N. Pezzi                                                                                                    |
| Teglie<br>gli spigoli con smussi o raggi<br>0.5x45°<br>r=0.5        |                                        | Disegnato CAD                                                                                               |
| Hoogwerker Centrum.nl<br>Specialist in compacte Hoogwerkers         |                                        | Disegnato                                                                                                   |
| Scala 1:3                                                           |                                        | Controlato                                                                                                  |
| Revisione                                                           |                                        | Disegnato                                                                                                   |
| G.F.                                                                |                                        | Disegnato                                                                                                   |
| 18/08/2018                                                          |                                        | Disegnato                                                                                                   |
| FRULLANTI                                                           |                                        | Disegnato                                                                                                   |
| I10107                                                              |                                        | Disegnato                                                                                                   |
| G.C.                                                                |                                        | Disegnato                                                                                                   |

IMPIANTO IDRAULICO/HYDRAULIC SYSTEM  
TRAZIONE SPAN CARRO/TRACTION SPAN TRACK



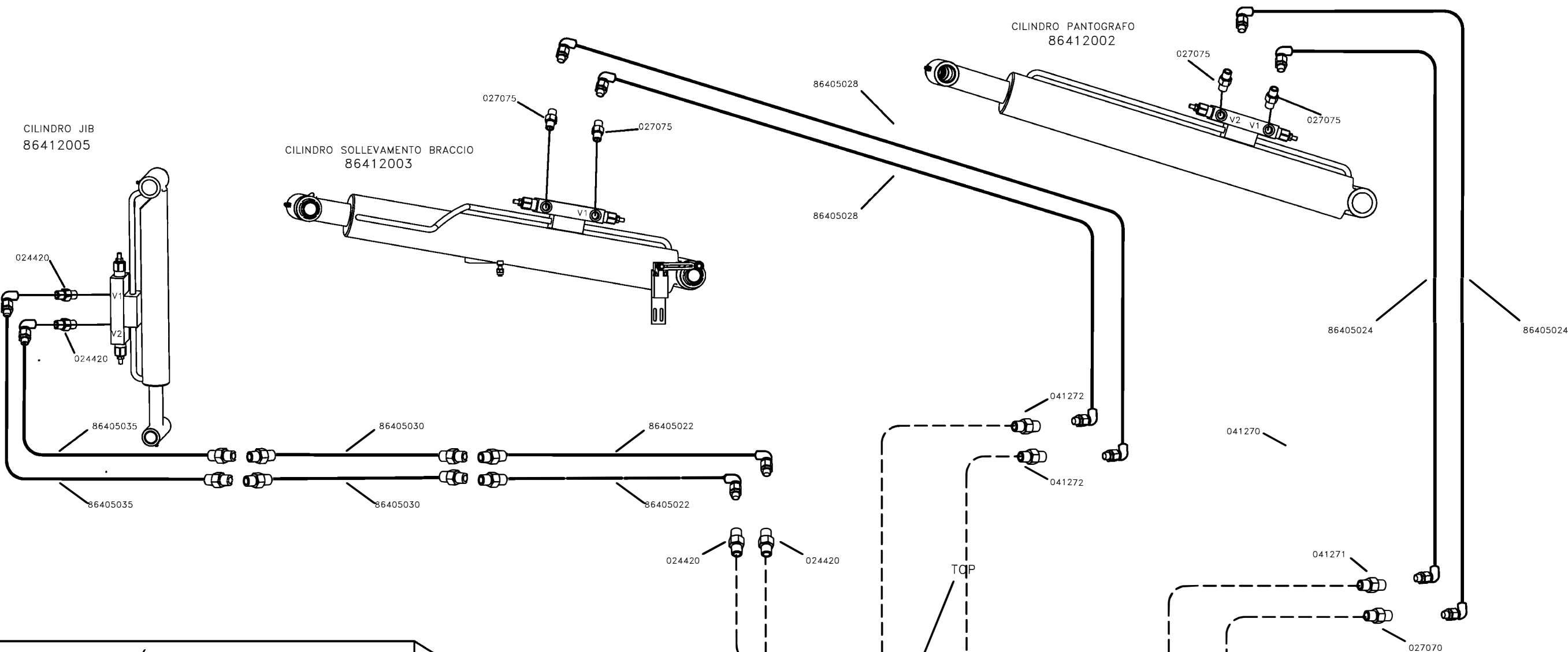
| CODICE                                                              | TUBI                                     | QUANTITA               |
|---------------------------------------------------------------------|------------------------------------------|------------------------|
| 86405019                                                            | TF_EN8571SC_04_1100_DK90OLF10_DK45OLF10_ | 2                      |
| 86405009                                                            | TF_EN8571SCK_06_1100_DKOLF12_DK45OLF12   | 4                      |
| 86405012                                                            | TF_EN8571SCK_04_900_DK45OLF8_DK45OLF8    | 2                      |
| RACCORDI                                                            |                                          |                        |
| 020466                                                              | R.G. M/M_10L_1/4" _EL_                   | 2                      |
| 024420                                                              | R.G. M/M_8L_1/4" _EL_                    | 4                      |
| 040174                                                              | R.G. M/M_10L_1/2" _EL_                   | 2                      |
| 040369                                                              | A.L. M/M_12L_3/8" CONTRODADO_            | 4                      |
| 0404617021                                                          | MOTORIDUTTORE                            | 2                      |
| 024983                                                              | R.G. M/M_12L_1/4" _EL_                   | 4                      |
| 6 MODIFICATE LUNGHEZZE TUBI E RACCORDI                              |                                          |                        |
| Rev.                                                                | Descrizione della modifica               | 120 SOM Data Di. Appr. |
| Spec. Tecniche / Capitoli complementari al disegno                  |                                          |                        |
| Componente di sicurezza con documentazione obbligatoria             |                                          |                        |
| I a note comprese tra "..." riguardano la sicurezza                 |                                          |                        |
| Questo disegno contiene N. note di sicurezza                        |                                          |                        |
| Nota generali                                                       |                                          |                        |
| Valori generali per quote senza tolleranza, smussi e raggi compresi |                                          |                        |
| ISO 2768 - mK                                                       |                                          |                        |
| Tolleranze angolari                                                 |                                          |                        |
| gli spigoli con smussi o raggi                                      |                                          |                        |
| Hoogwerker Centrum.nl                                               |                                          |                        |
| Specialist in compacte Hoogwerkers                                  |                                          |                        |
| N. Pzazi                                                            |                                          |                        |
| Disegnato CAD                                                       |                                          |                        |
| Data                                                                |                                          |                        |
| Controlato                                                          |                                          |                        |
| Data                                                                |                                          |                        |
| Peso kg                                                             |                                          |                        |
| Scala                                                               |                                          |                        |
| 1:3                                                                 |                                          |                        |
| 110107                                                              |                                          |                        |
| Revisione                                                           |                                          |                        |
| 6                                                                   |                                          |                        |
| G.C.                                                                |                                          |                        |

IMPIANTO IDRAULICO/HYDRAULIC SYSTEM  
RITORNO / RETURN

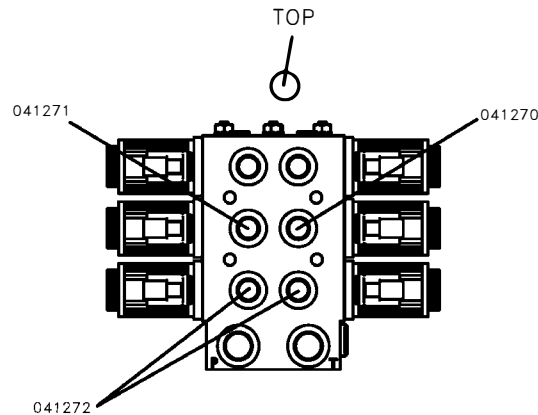


| CODICE                                                              | TUBI                                   | QUANTITA'                                                                        |
|---------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------|
| 86405018                                                            | TF_EN8571SC_08_2050_IPF9008_IPF08      | 1                                                                                |
| 86405019                                                            | TF_EN8571SC_08_1400_IPF08_IPF9008      | 1                                                                                |
| 86405017                                                            | TF_EN8571SC_08_750_IPF9008_IPF9008_270 | 1                                                                                |
| 86405014                                                            | TF_EN8571SC_08_1200_IPF08_IPF9008      | 1                                                                                |
| RACCORDI                                                            |                                        |                                                                                  |
| 025007                                                              | RONDELLA BONDED 3/4"                   | 1                                                                                |
| 026807                                                              | RONDELLA BONDED 3/8"                   | 4                                                                                |
| 024540                                                              | R.G. M/M_1/2_1/2" EL                   | 1                                                                                |
| 040572                                                              | A.T. M/M/F_1/2_1/2_1/2" GIR            | 1                                                                                |
| 025192                                                              | R.G. M/M_1/2_3/8" EL                   | 2                                                                                |
| 040369                                                              | A.L. M/M_12L_3/8" CONTRODADO           | 2                                                                                |
| 040517                                                              | A.T. M/F_M_1/2_1/2" GIR_1/2"           | 1                                                                                |
| 029383                                                              | R.G. M/M_1/2_3/4" EL                   | 1                                                                                |
| 6 MODIFICATE LUNGHEZZE TUBI E RACCORDI                              |                                        |                                                                                  |
| Rev.                                                                | Descrizione della modifica             | 120 18/08/2018 GF GF                                                             |
| Spec. Tecniche / Capitoli complementari al disegno                  |                                        | SDM Data Dis. Appr.                                                              |
| Note generali                                                       |                                        | Questo disegno contiene N. <input checked="" type="checkbox"/> note di sicurezza |
| Valori generali per quote senza tolleranza, smussi e raggi compresi |                                        |                                                                                  |
| ISO 2768 - mK                                                       |                                        |                                                                                  |
| Tolleranze angolari                                                 |                                        |                                                                                  |
| Togliere gli spigoli con smussi o raggi                             |                                        |                                                                                  |
| Materiale                                                           |                                        |                                                                                  |
| Denominazione                                                       |                                        | RITORNO / RETURN AIR/WATER                                                       |
| Macchinagruppo                                                      |                                        | SERIE IMR15                                                                      |
| Disegnato CAD                                                       |                                        | G.F.                                                                             |
| Data                                                                |                                        | 18/08/2018                                                                       |
| Pezzi                                                               |                                        | AROL1                                                                            |
| Peso kg                                                             |                                        |                                                                                  |
| Scala                                                               |                                        | 1:3                                                                              |
| Revisione                                                           |                                        | 110107                                                                           |
| G.C.I.                                                              |                                        | 6                                                                                |

IMPIANTO IDRAULICO / HYDRAULIC SYSTEM  
JIB BOOM RISER



STROZZATORI / FLOW LIMITERS



| CODICE   | CILINDRI                      | QUANTITA' |
|----------|-------------------------------|-----------|
| 86412002 | CILINDRO PANTOGRAFO           | 1         |
| 86412003 | CILINDRO SOLLEVAMENTO BRACCIO | 1         |
| 86412005 | CILINDRO JIB                  | 1         |

| CODICE   | TUBI                                  | QUANTITA' |
|----------|---------------------------------------|-----------|
| 86405022 | TF_EN8571SC_04_6700_DK90OLF8_DKOLM8   | 2         |
| 86405030 | TF_EN8571SC_04_7900_DKOLM8_DKOLF8     | 2         |
| 86405035 | TF_EN8571SC_04_450_DKOLF8_DK90OLF8    | 2         |
| 86405028 | TF_EN8571SC_04_1400_DK90OLF6_DK90OLF6 | 2         |
| 86405024 | TF_EN8571SC_04_7700_DK90OLF6_DK90OLF6 | 2         |

| RACCORDI |                           |   |
|----------|---------------------------|---|
| 027075   | R.G. M/M 6L 1/4" EL       | 4 |
| 024420   | R.G. M/M 8L 1/4" EL       | 4 |
| 041270   | REGOLATORE DI FLUSSO 5lpm | 1 |
| 041271   | REGOLATORE DI FLUSSO 6lpm | 1 |
| 041272   | REGOLATORE DI FLUSSO 7lpm | 2 |

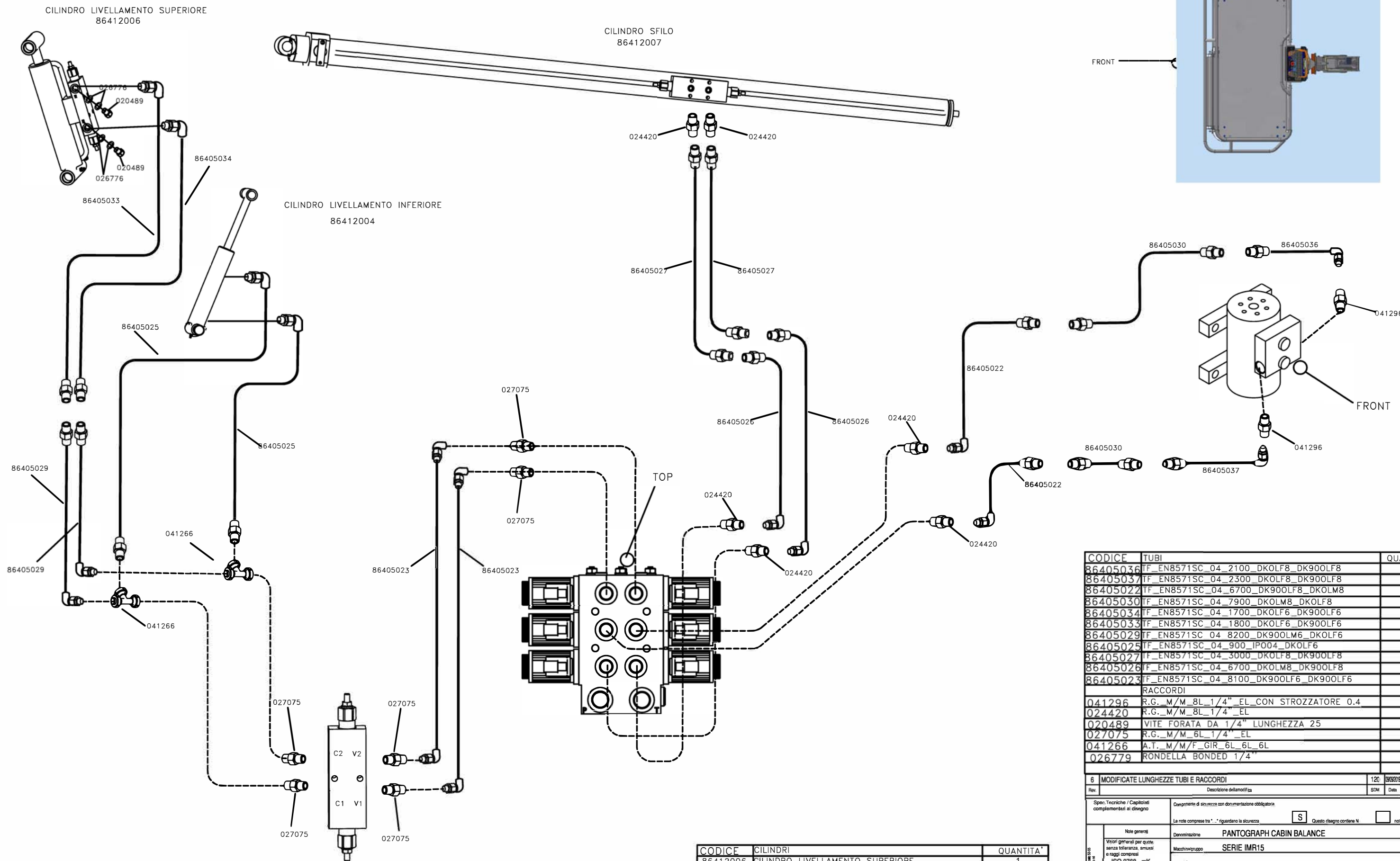
|      |                                      |     |          |      |       |
|------|--------------------------------------|-----|----------|------|-------|
| 6    | MODIFICATE LUNGHEZZE TUBI E RACCORDI | 120 | 00/00/00 | G.F. | G.F.  |
| Rev. | Descrizione della modifica           | SDM | Data     | Dis. | Appr. |

|                                                    |                                                                                                              |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Spec. Tecniche / Capitoli complementari al disegno | Componente di sicurezza con documentazione obbligatoria                                                      |
| La nota compresa tra "..." riguardano la sicurezza | <input checked="" type="checkbox"/> S Questo disegno contiene N. <input type="checkbox"/> note di sicurezza. |

|                                                                           |                 |                |
|---------------------------------------------------------------------------|-----------------|----------------|
| Nota generale                                                             | Denominazione   | JIB BOOM RISER |
| Valori generali per quote senza tolleranza, smussi e raggi corrispondenti | Macchina/gruppo | SERIE IMR15    |
| ISO 2768 - mK                                                             | Materiale       |                |

|                                          |                                          |                                          |           |               |            |
|------------------------------------------|------------------------------------------|------------------------------------------|-----------|---------------|------------|
| Tolleranze angolari ± 0,1°               | Equivalenza grafica                      | Equivalenza numerica                     | N. Pezzi  | Disegnato CAD | A.S.       |
| Top/linee gli spigoli con smussi o raggi | Top/linee gli spigoli con smussi o raggi | Top/linee gli spigoli con smussi o raggi | Peso kg   | Controllato   | 18/08/2018 |
| 0,5mm                                    | 0,5mm                                    | 0,5mm                                    | Scala     | Data          | ARIOLI     |
| r=0,5                                    | r=0,5                                    | r=0,5                                    | 1:3       |               |            |
| Hoogwerker Centrum.nl                    |                                          |                                          | 110107    |               |            |
| Specialist in compacte Hoogwerkers       |                                          |                                          | Revisione |               |            |

IMPIANTO IDRAULICO / HYDRAULIC SYSTEM  
CESTELLO PANTOGRAFO BILANCIAMNETO/PANTOGRAPH CABIN BALANCE

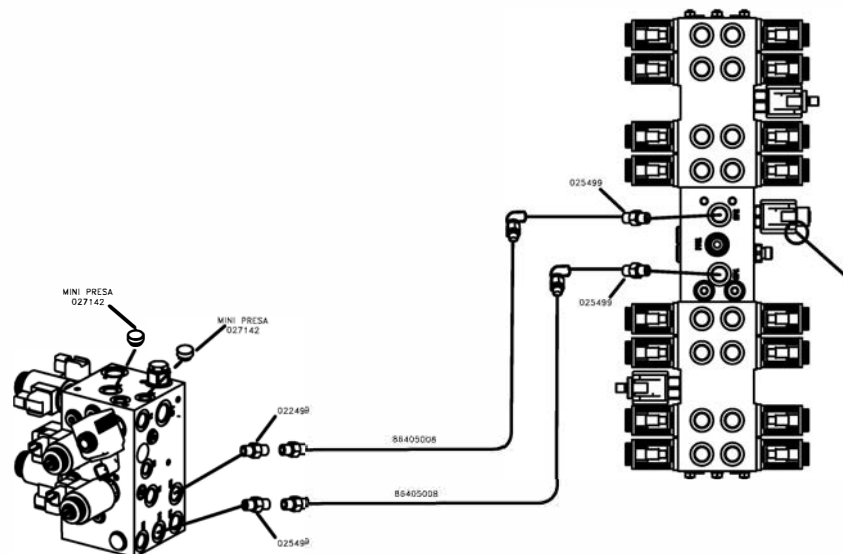
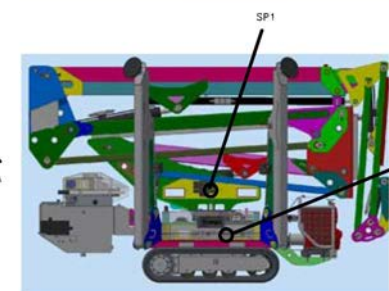
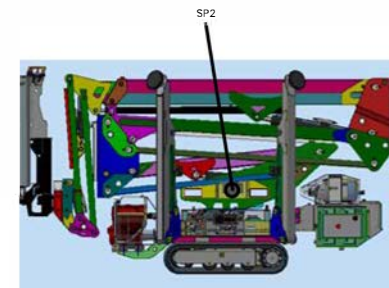
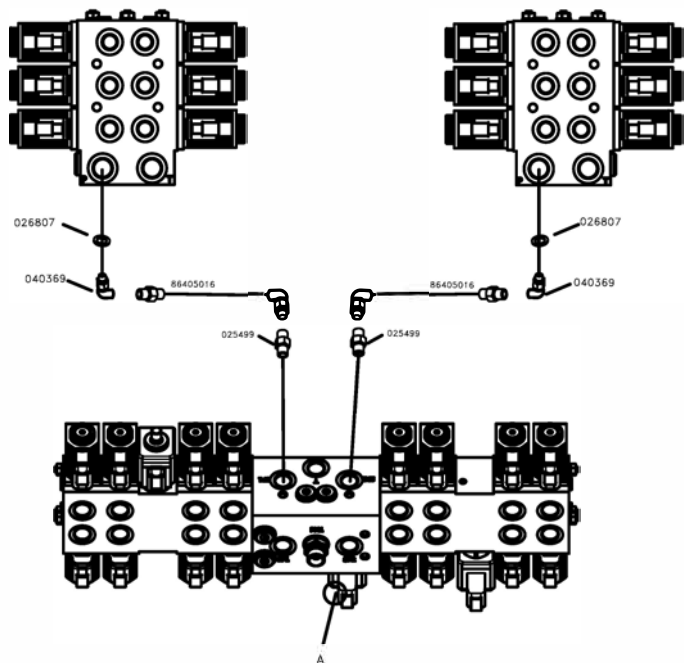


| CODICE   | CILINDRI                        | QUANTITA' |
|----------|---------------------------------|-----------|
| 86412006 | CILINDRO LIVELLAMENTO SUPERIORE | 1         |
| 86412004 | CILINDRO LIVELLAMENTO INFERIORE | 1         |
| 86412007 | CILINDRO SFILLO                 | 1         |

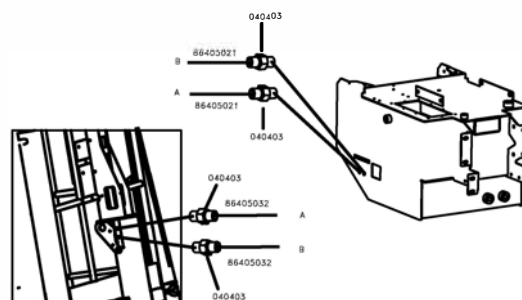
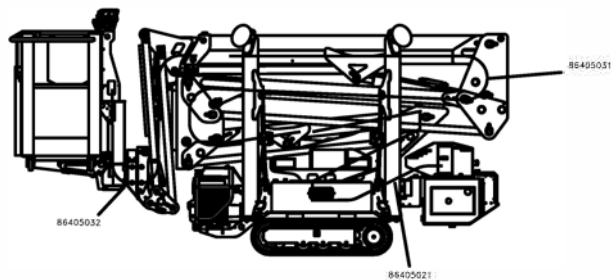
| CODICE   | TUBI                                      | QUANTITA' |
|----------|-------------------------------------------|-----------|
| 86405036 | TF_EN8571SC_04_2100_DKOLF8_DK90OLF8       | 1         |
| 86405037 | TF_EN8571SC_04_2300_DKOLF8_DK90OLF8       | 1         |
| 86405022 | TF_EN8571SC_04_6700_DK90OLF8_DKOLM8       | 2         |
| 86405030 | TF_EN8571SC_04_7900_DKOLM8_DKOLF8         | 2         |
| 86405034 | TF_EN8571SC_04_1700_DKOLF6_DK90OLF6       | 1         |
| 86405033 | TF_EN8571SC_04_1800_DKOLF6_DK90OLF6       | 1         |
| 86405029 | TF_EN8571SC_04_8200_DK90OLM6_DKOLF6       | 2         |
| 86405025 | TF_EN8571SC_04_900_IP004_DKOLF6           | 2         |
| 86405027 | TF_EN8571SC_04_3000_DKOLF8_DK90OLF8       | 2         |
| 86405026 | TF_EN8571SC_04_6700_DKOLM8_DK90OLF8       | 2         |
| 86405023 | TF_EN8571SC_04_8100_DK90OLF6_DK90OLF6     | 2         |
| RACCORDI |                                           |           |
| 041296   | R.G. M/M_8L_1/4" _EL_ CON STROZZATORE 0.4 | 2         |
| 024420   | R.G. M/M_8L_1/4" _EL_                     | 6         |
| 020489   | VITE FORATA DA 1/4" LUNGHEZZA 25          | 2         |
| 027075   | R.G. M/M_6L_1/4" _EL_                     | 6         |
| 041266   | A.T. M/M/F_GIR_6L_6L_6L                   | 2         |
| 026779   | RONDELLA BONDED 1/4"                      | 4         |

|                                                                     |                                      |                                                                                 |            |    |       |
|---------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------|------------|----|-------|
| 6                                                                   | MODIFICATE LUNGHEZZE TUBI E RACCORDI | 120                                                                             | 30/09/2019 | GF | GF    |
| Rev.                                                                | Descrizione della modifica           | SDM                                                                             | Data       | Ds | Appr. |
| Spec. Tecniche / Capitoli complementari al disegno                  |                                      | Componenti di sicurezza con documentazione obbligatoria                         |            |    |       |
| Note generali                                                       |                                      | La rete compressa tra "..." riguardano la sicurezza                             |            |    |       |
| Valori generali per quote senza tolleranza, smussi e raggi compresi |                                      | Questo disegno contiene N <input checked="" type="checkbox"/> note di sicurezza |            |    |       |
| ISO 2768 - mK                                                       |                                      | Denominazione PANTOGRAPH CABIN BALANCE                                          |            |    |       |
| Tolleranze angolari ± 0.1°                                          |                                      | Macchine/gruppo SERIE IMR15                                                     |            |    |       |
| Togliere gli spigoli con smussi o raggi                             |                                      | Materiale                                                                       |            |    |       |
| R. 0.1/0.5                                                          |                                      | N. Pezzi                                                                        |            |    |       |
| 1=0.5                                                               |                                      | Disegnato CAD                                                                   |            |    |       |
|                                                                     |                                      | Data                                                                            |            |    |       |
|                                                                     |                                      | Controlato                                                                      |            |    |       |
|                                                                     |                                      | Data                                                                            |            |    |       |
|                                                                     |                                      | Scala 1:3                                                                       |            |    |       |
|                                                                     |                                      | Revisione                                                                       |            |    |       |
|                                                                     |                                      | 6                                                                               |            |    |       |
|                                                                     |                                      | G.C.                                                                            |            |    |       |
|                                                                     |                                      | 6                                                                               |            |    |       |

IMPIANTO IDRAULICO /HYDRAULIC SYSTEM  
ALIMENTAZIONE DISTRIBUTORE/  
POWER DISTRIBUTOR



IMPIANTO IDRAULICO/HYDRAULIC SYSTEM ARIA  
/ACQUA AIR / WATER



| CODICE   | TUBI                                     | QUANTITA' |
|----------|------------------------------------------|-----------|
| 86405008 | TF_EN857ISCK_06_1600_DKOLF12_DK90OLF12   | 2         |
| 86405016 | TF_EN857ISCK_06_1600_DKOLF12_DK90OLF12   | 2         |
| 86405032 | TF_EN857ISC_04_2600_IPF04_IPF904         | 2         |
| 86405021 | TF_EN857ISC_04_9100_IPM04_IPF04          | 2         |
| 86405031 | TF_EN857ISC_04_7600_IPF04_IPM04          | 2         |
| 040403   | R.G. M/M 1/4" 1/4"-PASSAPARETE LUNG.47mm | 4         |
| 025499   | R.G. M/M 12L 3/8" EL                     | 6         |
| 040369   | A.L. M/M 12L 3/8" CONTRODADO             | 2         |
| 026807   | RONDELLA BONDED SEAL 3/8"                | 2         |

|      |                                      |      |            |       |      |
|------|--------------------------------------|------|------------|-------|------|
| 6    | MODIFICATE LUNGHEZZE TUBI E RACCORDI | 120  | 06/09/2019 | G.F.  | G    |
| Rev. | Descrizione della modifica           | STMT | Descr.     | Stato | Ass. |

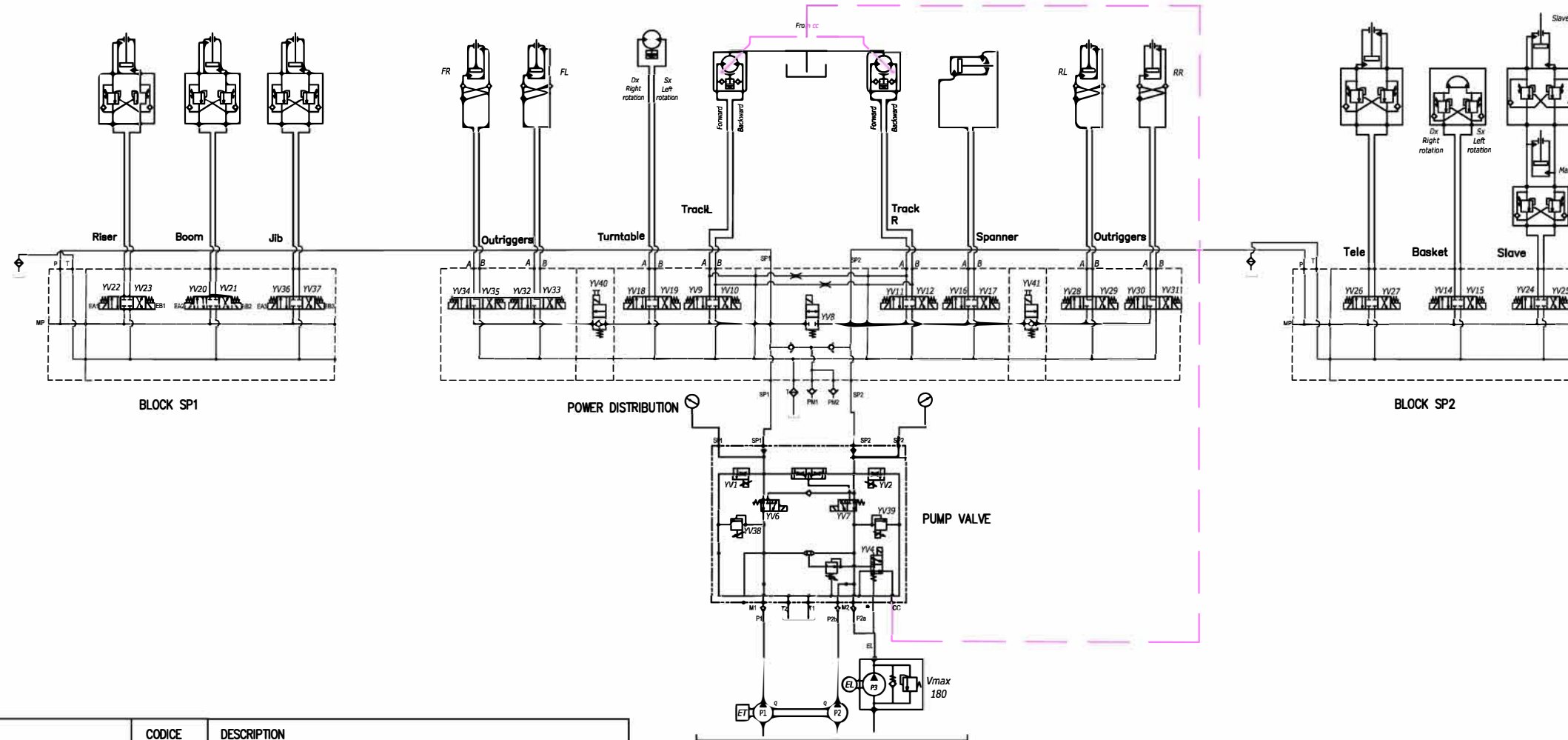
|                                                      |                                                         |  |  |
|------------------------------------------------------|---------------------------------------------------------|--|--|
| Spec. Tecniche / Capitolati complementari al disegno | Componente di sicurezza con documentazione obbligatoria |  |  |
|------------------------------------------------------|---------------------------------------------------------|--|--|

|                                                       |                               |                            |                   |
|-------------------------------------------------------|-------------------------------|----------------------------|-------------------|
| La rete comprende tre "..." di diametro in alluminio. |                               | Questo disegno contiene N. | note di sicurezza |
| Note generali                                         | Descrizione POWER DISTRIBUTOR |                            |                   |
| Valori generali per quote senza tolleranze, smussi    | Modo di disegno SERIE IMR15   |                            |                   |

|                      |                  |  |  |  |  |
|----------------------|------------------|--|--|--|--|
| e raggi compresi     |                  |  |  |  |  |
| <b>ISO 2768 - mK</b> | <b>Materiale</b> |  |  |  |  |


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 N. Pazzi  
 Pazzi log.

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| CODICE | DESCRIPTION                              | CODICE | DESCRIPTION                                   |
|--------|------------------------------------------|--------|-----------------------------------------------|
| YV1    | PROPORTIONAL VALVE SP1                   | YV25   | ELECTRO-VALVE SLAVE-MASTER DOWN               |
| YV2    | PROPORTIONAL VALVE SP2                   | YV26   | ELECTRO-VALVE TELE OUT                        |
| YV4    | ELECTRO-VALVE FLOW SEPARATION (P1 P2)    | YV27   | ELECTRO-VALVE TELE IN                         |
| YV6    | ELECTRO-VALVE FLOW DUPLICATION (P1 P2)   | YV28   | ELECTRO-VALVE OUTRIGGERS R.L DOWN             |
| YV7    | ELECTRO-VALVE FLOW SEPARATION (P3)       | YV29   | ELECTRO-VALVE OUTRIGGERS R.L UP               |
| YV8    | ELECTRO-VALVE DUPLICATION MOD. ELETTRICA | YV30   | ELECTRO-VALVE OUTRIGGERS R.R DOWN             |
| YV9    | ELECTRO-VALVE TRACK L FORWARD            | YV31   | ELECTRO-VALVE OUTRIGGERS R.R UP               |
| YV10   | ELECTRO-VALVE TRACK L BACKWARD           | YV32   | ELECTRO-VALVE OUTRIGGERS F.L DOWN             |
| YV11   | ELECTRO-VALVE TRACK R FORWARD            | YV33   | ELECTRO-VALVE OUTRIGGERS F.L UP               |
| YV12   | ELECTRO-VALVE TRACK R BACKWARD           | YV34   | ELECTRO-VALVE OUTRIGGERS F.R DOWN             |
|        |                                          | YV35   | ELECTRO-VALVE OUTRIGGERS F.R UP               |
| YV14   | ELECTRO-VALVE BASKET R ROTATION          | YV36   | ELECTRO-VALVE JIB UP                          |
| YV15   | ELECTRO-VALVE LEFT ROTATION              | YV37   | ELECTRO-VALVE JIB DOWN                        |
| YV16   | ELECTRO-VALVE SPANNER OUT                | YV38   | ELECTRO-VALVE MAXIMUM SP1                     |
| YV17   | ELECTRO-VALVE SPANNER IN                 | YV39   | ELECTRO-VALVE MAXIMUM SP2                     |
| YV18   | ELECTRO-VALVE TURNTABLE RIGHT ROT.       | YV40   | ELECTRO-VALVE EXCLUDES/INCLUDE OUTRIGGERS SP1 |
| YV19   | ELECTRO-VALVE TURNTABLE LEFT ROT.        | YV41   | ELECTRO-VALVE EXCLUDES/INCLUDE OUTRIGGERS SP2 |
| YV20   | ELECTRO-VALVE BOOM UP                    | P1     | MAIN PUMP                                     |
| YV21   | ELECTRO-VALVE BOOM DOWN                  | P2     | SECOND PUMP                                   |
| YV22   | ELECTRO-VALVE RISER UP                   | P3     | ELECTRO PUMP                                  |
| YV23   | ELECTRO-VALVE RISER DOWN                 |        |                                               |
| YV24   | ELECTRO-VALVE SLAVE-MASTER UP            |        |                                               |

|                                                                                   |                            |                                                                                                                                                                 |      |       |
|-----------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| 0                                                                                 |                            |                                                                                                                                                                 |      |       |
| Rev.                                                                              | Descrizione della modifica |                                                                                                                                                                 |      |       |
|                                                                                   | SDM                        | Data                                                                                                                                                            | Dis. | Appr. |
| Spec. Tecniche / Capitoli complementari al disegno                                |                            | Componente di sicurezza con documentazione obbligatoria                                                                                                         |      |       |
|                                                                                   |                            | Le note comprese tra *...* riguardano la sicurezza <input checked="" type="checkbox"/> S Questo disegno contiene N. <input type="checkbox"/> note di sicurezza. |      |       |
| Note generali                                                                     |                            | Denominazione SCHEMA IDRAULICO DI PRINCIPIO                                                                                                                     |      |       |
| Valori generali per quote senza tolleranza, smussi e raggi compresi ISO 2768 - mk |                            | Macchina/gruppo SERIE IMR 15                                                                                                                                    |      |       |
| Tolleranze angolari ± 0° 10'                                                      |                            | Materiale                                                                                                                                                       |      |       |
| Segno grafico                                                                     |                            | N. Pezzi                                                                                                                                                        |      |       |
| Togliere gli spigoli con smussi o raggi 0.5x45° r = 0.5                           |                            | Data                                                                                                                                                            |      |       |
|                                                                                   |                            | Peso kg                                                                                                                                                         |      |       |
|                                                                                   |                            | Scala 1:5                                                                                                                                                       |      |       |
|                                                                                   |                            | Revisione                                                                                                                                                       |      |       |
|                                                                                   |                            | 0                                                                                                                                                               |      |       |
|                                                                                   |                            | G.C.                                                                                                                                                            |      |       |

Proprietà di IMR INTERNATIONAL S.p.A. Via Salaria 35-36 Roma (RM) 00198 Italia



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|               |            |
|---------------|------------|
| Disegnato CAD | FRULLANTI  |
| Data          | 03/11/2020 |
| Controllato   | ARIOLI     |
| Data          | 03/11/2020 |

## ENDOTHERMAL VALVE FUNCTION

| MOMENTO<br>MOVIMENTO |  | ELETTRICO |       | VALICOLA                        |
|----------------------|--|-----------|-------|---------------------------------|
|                      |  | Y/V41     | Y/V40 |                                 |
|                      |  |           |       | Salita JIB                      |
|                      |  |           |       | Discesa JIB                     |
|                      |  |           |       | Rotazione cestello DX           |
|                      |  |           |       | Rotazione cestello SX           |
|                      |  |           |       | Rotazione torretta DX           |
|                      |  |           |       | Rotazione torretta SX           |
|                      |  |           |       | Salita pantografo               |
|                      |  |           |       | Discesa pantografo              |
|                      |  |           |       | Salita Braccio                  |
|                      |  |           |       | Discesa braccio                 |
|                      |  |           |       | Uscita sfilo                    |
|                      |  |           |       | Rientro sfilo                   |
|                      |  |           |       | Motore DX avanti in 1°          |
|                      |  |           |       | Motore DX indietro in 1°        |
|                      |  |           |       | Motore SX avanti in 1°          |
|                      |  |           |       | Motore SX indietro in 1°        |
|                      |  |           |       | Motore DX indietro in 3°        |
|                      |  |           |       | Motore SX avanti in 3°          |
|                      |  |           |       | Motore SX indietro in 3°        |
|                      |  |           |       | Motore DX indietro in 3°        |
|                      |  |           |       | Allargamento cingoli            |
|                      |  |           |       | Restringimento cingoli          |
|                      |  | X         | X     | Discesa stabilizzatore ant. DX  |
|                      |  | X         | X     | Salita stabilizzatore ant. DX   |
|                      |  | X         | X     | Discesa stabilizzatore ant. SX  |
|                      |  | X         | X     | Salita stabilizzatore ant. SX   |
| X                    |  | X         | X     | Discesa stabilizzatore post. DX |
| X                    |  | X         | X     | Salita stabilizzatore post. DX  |
| X                    |  | X         | X     | Discesa stabilizzatore post. SX |
| X                    |  | X         | X     | Salita stabilizzatore post. SX  |
|                      |  | X         | X     | Salita bilanciamento            |
|                      |  | X         | X     | Discesa bilanciamento           |

| MOVIMENTO<br>MACCHINA |  | ELETTRO<br>VALVOLE              |
|-----------------------|--|---------------------------------|
|                       |  |                                 |
|                       |  | Salita JIB                      |
|                       |  | Discesa JIB                     |
|                       |  | Rotazione cestello DX           |
|                       |  | Rotazione cestello SX           |
|                       |  | Rotazione torretta DX           |
|                       |  | Rotazione torretta SX           |
|                       |  | Salita pantografo               |
|                       |  | Discesa pantografo              |
|                       |  | Salita Braccio                  |
|                       |  | Discesa braccio                 |
|                       |  | Uscita sfilo                    |
|                       |  | Rientro sfilo                   |
|                       |  | Motore DX avanti in 1°          |
|                       |  | Motore DX indietro in 1°        |
|                       |  | Motore SX avanti in 1°          |
|                       |  | Motore SX indietro in 1°        |
|                       |  | Motore DX avanti in 3°          |
|                       |  | Motore DX indietro in 3°        |
|                       |  | Motore SX avanti in 3°          |
|                       |  | Motore SX indietro in 3°        |
|                       |  | Allargamento cingoli            |
|                       |  | Restringimento cingoli          |
|                       |  | Discesa stabilizzatore ant. DX  |
|                       |  | Salita stabilizzatore ant. DX   |
|                       |  | Discesa stabilizzatore ant. SX  |
|                       |  | Salita stabilizzatore ant. SX   |
|                       |  | Discesa stabilizzatore post. DX |
|                       |  | Salita stabilizzatore post. DX  |
|                       |  | Discesa stabilizzatore post. SX |
|                       |  | Salita stabilizzatore post. SX  |
|                       |  | Salita bilanciamento            |
|                       |  | Discesa bilanciamento           |

[illegible]

## ELECTRIC VALVE FUNCTION

[illegible]

| MOMENTO<br>INSCALINA            |  | ELETTRO<br>VALVOLE | V/37 | V/38 | V/39 | V/40 | V/41 |
|---------------------------------|--|--------------------|------|------|------|------|------|
| Salita JIB                      |  |                    | X    | X    | X    |      |      |
| Discesa JIB                     |  |                    |      | X    | X    |      |      |
| Rotazione cestello DX           |  |                    |      | X    | X    |      |      |
| Rotazione cestello SX           |  |                    |      | X    | X    |      |      |
| Rotazione torretta DX           |  |                    |      | X    | X    |      |      |
| Rotazione torretta SX           |  |                    |      | X    | X    |      |      |
| Salita pantografo               |  |                    |      | X    | X    |      |      |
| Discesa pantografo              |  |                    |      | X    | X    |      |      |
| Salita Braccio                  |  |                    |      | X    | X    |      |      |
| Discesa braccio                 |  |                    |      | X    | X    |      |      |
| Uscita sfilo                    |  |                    |      | X    | X    |      |      |
| Rientro sfilo                   |  |                    |      | X    | X    |      |      |
| Motore DX avanti in 1°          |  |                    |      | X    | X    |      |      |
| Motore DX indietro in 1°        |  |                    |      | X    | X    |      |      |
| Motore SX avanti in 1°          |  |                    |      |      |      |      |      |
| Motore SX indietro in 1°        |  |                    |      |      |      |      |      |
| Motore DX indietro in 3°        |  |                    |      | X    | X    |      |      |
| Motore SX avanti in 3°          |  |                    |      | X    | X    |      |      |
| Motore SX indietro in 3°        |  |                    |      | X    | X    |      |      |
| Motore DX indietro in 3°        |  |                    |      | X    | X    |      |      |
| Allargamento cingoli            |  |                    |      | X    | X    |      |      |
| Restringimento cingoli          |  |                    |      | X    | X    |      |      |
| Discesa stabilizzatore ant. DX  |  |                    |      | X    | X    | X    |      |
| Salita stabilizzatore ant. DX   |  |                    |      | X    | X    | X    |      |
| Discesa stabilizzatore ant. SX  |  |                    |      | X    | X    | X    |      |
| Salita stabilizzatore ant. SX   |  |                    |      | X    | X    | X    |      |
| Discesa stabilizzatore post. DX |  | X                  |      | X    | X    | X    |      |
| Salita stabilizzatore post. DX  |  | X                  |      | X    | X    | X    |      |
| Discesa stabilizzatore post. SX |  | X                  |      | X    | X    | X    |      |
| Salita stabilizzatore post. SX  |  | X                  |      | X    | X    | X    |      |
| Salita bilanciamento            |  |                    |      | X    | X    |      |      |
| Discesa bilanciamento           |  |                    |      | X    | X    |      |      |

[illegible]