

0

1

2

3

4

5

6

7

8

9

ELECTRICAL DIAGRAM

MACHINE

CUSTOMER

COMPACT SPECIAL 2 - 3kW 230/460V-3F-60Hz

Construction year

2021

Order number

Document number

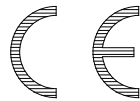
141047.00



Via Palazzon, 70
Creazzo - Vicenza
ITALY

1	ADD MOTOR TERMINAL	02/03/2022	V.V.	Date	16/09/2021	 Via Palazzon, 70 36051 - Creazzo VI ITALY	Title INTESAZIONE COVER PAGE	Plant COMPACT SPECIAL 2 - 3kW 230/460V-3F-60Hz	Project Nr. 034190	Drawing UTE0000029-REV.07.2.DWG	Sheet	1	Of	5
				Desig.	SIMONE M.						Next	2		
				Check	CA									
Rev.	Description	Date	Name	Appr.										

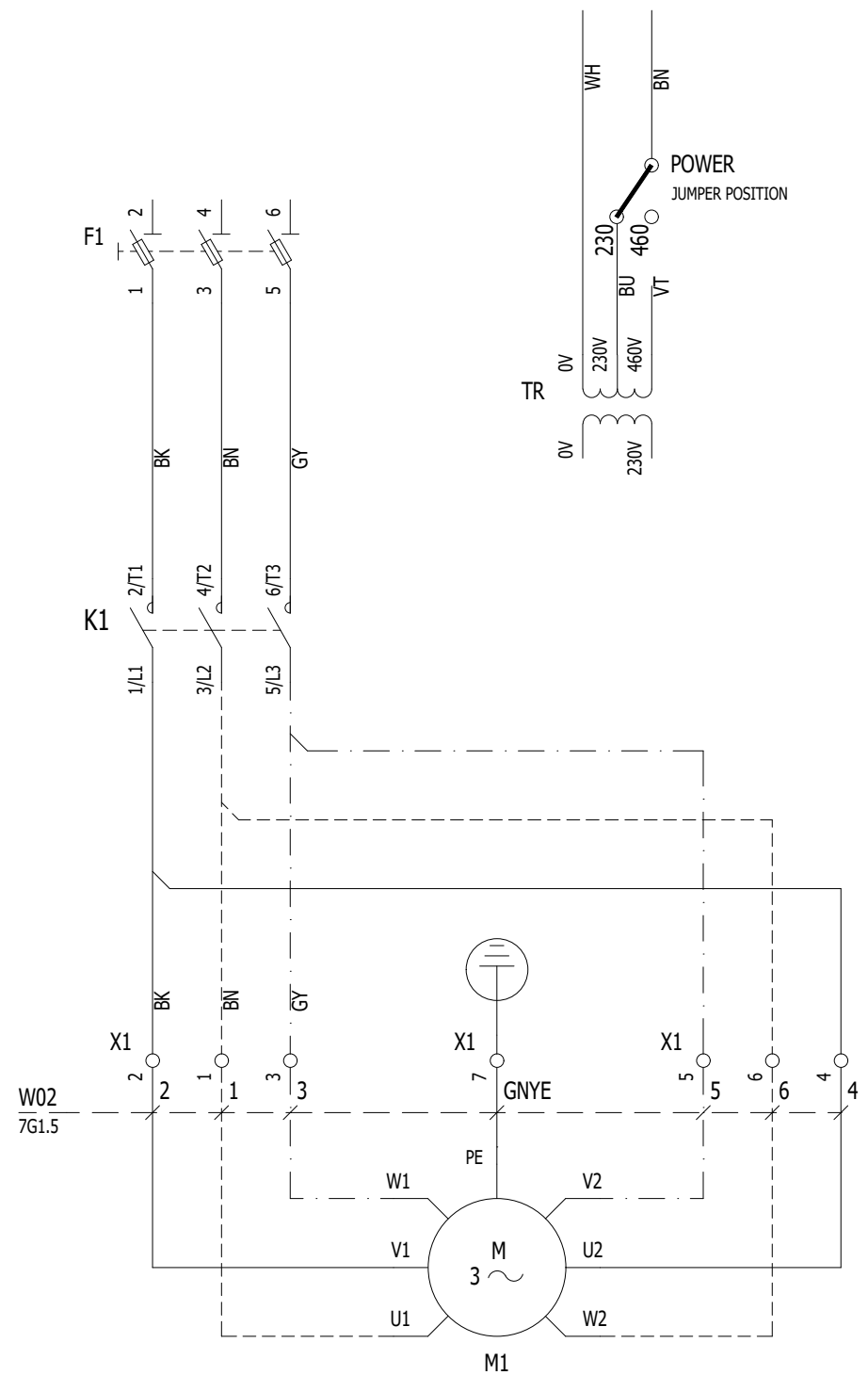
Disegno	Foglio	Titolo	Title
UTE0000029-REV.07.2	1	INTESTAZIONE	COVER PAGE
	2	DATI GENERALI	GENERAL DATA
	11	SCHEMA DI POTENZA	POWER CIRCUIT
	11A	CAMBIO TENSIONE	VOLTAGE CHANGE
	601	LISTA COMPONENTI	COMPONENTS LIST

GENERAL DATA					
ELECTRICAL NOMINAL VALUE			WIRE COLOUR		
DESCRIPTION	DATA	TOLERANCE	CIRCUITS	COLOUR	
OPERATING VOLTAGE	V	1~ PE AC 230/460	AC / DC POWER	BK	
FREQUENCY	Hz	60	NEUTRAL	LIGHT-BU	
CURRENT	A	xx	AC AUXILIARIES PHASE	>25Vac	RD
POWER	kW	3	AC AUXILIARIES COM.	>25Vac	RD
SHORT-CIRCUIT CURRENT	Icw / Icc	Icc=6 kA	DC AUXILIARIES PHASE	<60Vdc	-
			DC AUXILIARIES COM.	<60Vdc	-
AC AUXILIARIES CIRCUITS	Vac	230	LIVE CIRCUITS	>25Vac / <60Vdc	OG
DC AUXILIARIES CIRCUITS	Vdc	-	PROTECTIVE EARTHING <PE>		YG
			NOISELESS EARTHING <FE>		-
MINIMUM DEGREE OF PROTECTION	IP20				
DISTRIBUTION SYSTEM	TN	TT	IT	ENVIRONMENT CONDITION	
	X			MAX TEMPERATURE	50 °C
				MIN TEMPERATURE	5 °C
				AVG H24 MAX TEMPERATURE	35 °C
				MAX RELATIVE HUMIDITY	90 % NC
				ALTITUDE ABOVE SEA LEVEL	1000 m
				DEGREE OF POLLUTION	3
				EMC ENVIRONMENT	B
ABBREVIATIONS					
BLACK	BK				
BLUE	BU				
BROWN	BN				
GREEN	GN				
GREY	GY				
ORANGE	OG				
PINK	PK				
RED	RD				
VIOLET	VT				
WHITE	WH				
YELLOW	YL				
GREEN-YELLOW	YG				
STANDARDS	IEC EN 60204-1		 ISO 9001		
	IEC EN 61439-1				

1

1	ADD MOTOR TERMINAL	02/03/2022	V.V.	Date	16/09/2021	 Via Palazzon, 70 36051 - Creazzo VI ITALY	Title	Plant		Project Nr. 034190	Drawing UTE0000029-REV.07.2.DWG	Sheet	2	Of	5	
				Desig.	SIMONE M.		DATI GENERALI	COMPACT SPECIAL 2 - 3kW 230/460V-3F-60Hz								
				Check	CA		GENERAL DATA									
Rev.	Description	Date	Name	Appr.								Next	11			

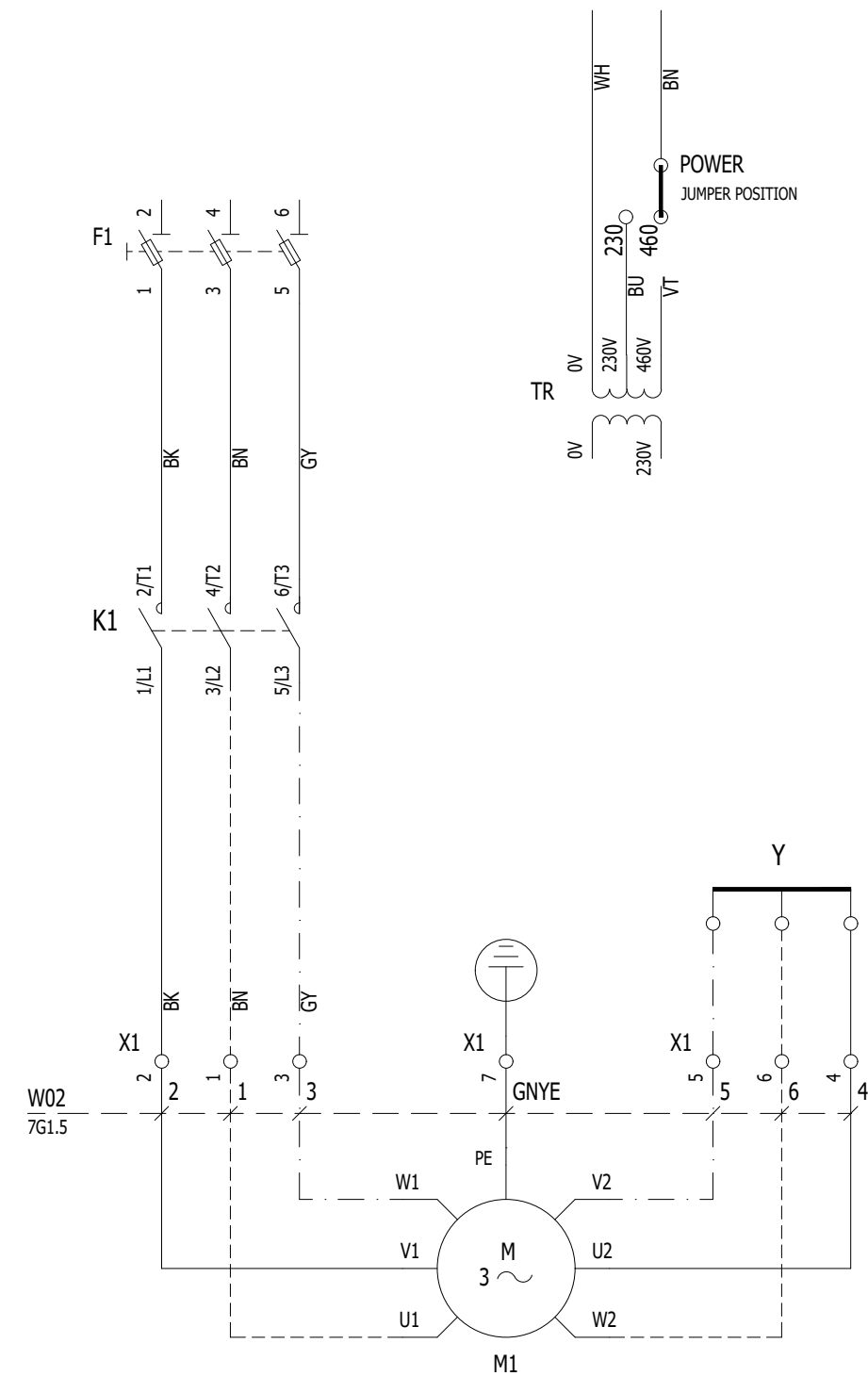
230V



COMPRESSOR MOTOR

230V-60Hz-11,5A	F1 = 16A / aM	DELTA CONNECTION
-----------------	---------------	------------------

460V



COMPRESSOR MOTOR

460V-60Hz-6,7A	F1 = 12A / aM	STAR CONNECTION
----------------	---------------	-----------------

11

1	ADD MOTOR TERMINAL	02/03/2022	V.V.	Date	16/09/2021
				Desig.	SIMONE M.
				Check	CA
Rev.	Description	Date	Name	Appr.	



Title
CAMBIO TENSIONE
VOLTAGE CHANGE

Plant COMPACT SPECIAL 2 - 3kW 230/460V-3F-60Hz	
Project Nr. 034190	Drawing UTE0000029-REV.07.2.DWG

Sheet	11A	Of	5
Next	601		

0	1	2	3	4	5	6	7	8	9
Location	Item	Function	Technical data	Type number	Description	Quantity	M.U.	Position	
	-A1	KTRONICS CONTROL BOARD		KTC032004		1	PCE	11/5	
	F1	3Ph FUSE		XESCMS103SP		1	PCE	11/1	
	F2	2Ph FUSES	1A/gG	XESCMS102SP		1	PCE	11/2	
		2Ph FUSES	1A/gG	XESFR10GG50V1		2	PCE	11/2	
	F3	5x20 FUSE	F-1A	8WA1011-1SF12		1	PCE	11/5	
		5x20 FUSE	F-1A	ITW0101001		1	PCE	11/5	
	K1	3Ph CONTACTOR	230V 50/60Hz	3RT2016-1AB01		1		11/8	
	KP	PHASE SEQUENCE RELAY	208÷480VAC (±15%)	GAVAZZI DPA51		1		11/3	
	M1	COMPRESSOR MOTOR	230/460-3F-60Hz-3/3,6kW	KTC020214		1	PCE	11/1	
	S0	EMERGENCY P.B.		ABB		1		11/6	
	TR	1Ph TRANSFORMER		BIMEC FORT7B02505		1		11/4	

11A

1	ADD MOTOR TERMINAL	02/03/2022	V.V.	Date	16/09/2021	 KTC <small>KOMPACT TECHNOLOGY COMPRESSOR</small>	Via Palazzon, 70 36051 - Creazzo VI ITALY	Title LISTA COMPONENTI COMPONENTS LIST	Plant COMPACT SPECIAL 2 - 3kW 230/460V-3F-60Hz	Project Nr. 034190	Drawing UTE0000029-REV.07.2.DWG	Sheet	601	Of	5
Rev.	Description	Date	Name	Appr.	Check							CA	Next		
LA PROPRIETA' DI QUESTO DISEGNO E' RISERVATA A TERMINI DI LEGGE, E' VIETATO QUINDI RIPRODURLO E RENDERLO NOTO A TERZI. - THE PROPERTY OF THIS DRAWING IS RESERVED AND SUBJECT TO LAW, DISTRIBUTION AND REPRODUCTION TO OTHER PARTIES IS PROHIBITED.															