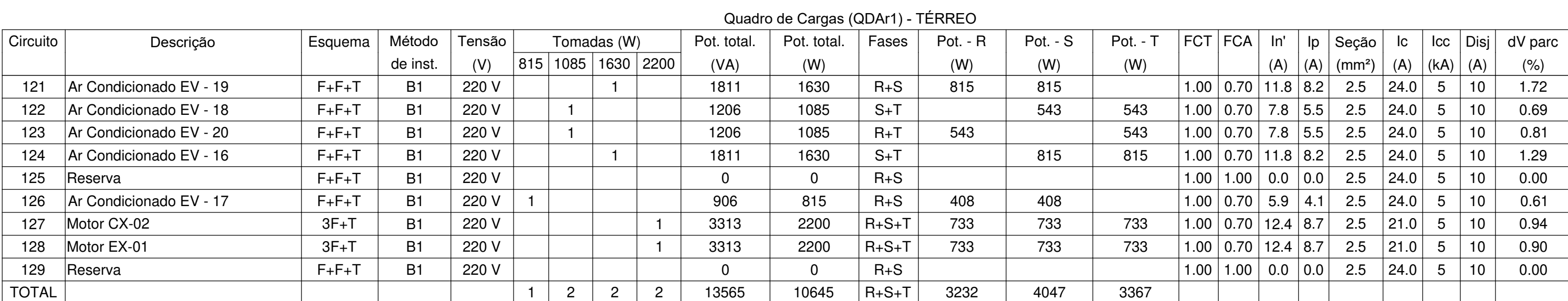


Potência instalada (W)

R	S	T	Total
3232	4047	3367	10645



Quadro de Cargas (QD-2) - TERREO																					
Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Tomadas (W)	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R	Pot. - S	Pot. - T	FCT	FCA	ln' (A)	Ip' (A)	Seção (mm²)	Ic (A)	Icc (kA)	Disj (A)	di% par	
130	Ar Condicionado EV - 22	F+P+T	B1	220 V	1	906	815	R+S	408	408		1,00	0,71	5,8	4,1	2,5	24,0	5	10	0,4	
131	Ar Condicionado EV - 26	F+P+T	B1	220 V	1	1206	1085	R+T	543		543		1,00	0,71	7,7	5,5	2,5	24,0	5	10	0,43
132	Ar Condicionado EV - 29	F+P+T	B1	220 V	1	1206	1085	R+S	543	543		1,00	0,71	7,7	5,5	2,5	24,0	5	10	0,47	
133	Ar Condicionado EV - 28	F+P+T	B1	220 V	1	1206	1085	S+T			543		1,00	0,70	7,8	5,5	2,5	24,0	5	10	0,51
134	Ar Condicionado EV - 27	F+P+T	B1	220 V	1	1206	1085	R+S	543	543		1,00	0,70	7,8	5,5	2,5	24,0	5	10	0,66	
135	Ar Condicionado EV - 31	F+P+T	B1	220 V	1	906	815	R+S	408		408		1,00	0,70	5,9	4,1	2,5	24,0	5	10	0,65
136	Reserva	F+P+T	B1	220 V		0	0					1,00	1,00	0,0	0,0	2,5	24,0	5	10	0,00	
137	Reserva	F+P+T	B1	220 V		0	0					1,00	1,00	0,0	0,0	2,5	24,0	5	10	0,00	
138	Ar Condicionado EV - 30	F+P+T	B1	220 V	1	906	815	R+T	408		408		1,00	0,70	5,9	4,1	2,5	24,0	5	10	0,81
139	Ar Condicionado EV - 32	F+P+T	B1	220 V	1	906	815	S+T		408	408		1,00	0,70	5,9	4,1	2,5	24,0	5	10	0,33
140	Ar Condicionado EV - 33	F+P+T	B1	220 V	1	906	815	R+S	408	408		1,00	0,71	5,8	4,1	2,5	24,0	5	10	0,34	
141	Ar Condicionado EV - 25	F+P+T	B1	220 V	1	906	815	R+T	408		408		1,00	0,71	5,8	4,1	2,5	24,0	5	10	0,34
142	Ar Condicionado EV - 21	F+P+T	B1	220 V	1	1206	1085	R+S	543	543		1,00	0,71	7,7	5,5	2,5	24,0	5	10	0,76	
143	Ar Condicionado EV - 23	F+P+T	B1	220 V	1	2447	2030	S+T			1100		1,00	0,71	11,1	7,7	2,5	24,0	5	10	1,79
144	Motor CX-01	3F+T	B1	220 V	1	3313	2200	R+S+T	733	733	733		1,00	0,70	12,4	8,7	2,5	21,0	5	10	1,04
145	Reserva	F+P+T	B1	220 V		0	0					1,00	1,00	0,0	0,0	2,5	24,0	5	10	0,00	
TOTAL						6	5	2	12719	14715	R+S+T	4941	5226	4548							

Conduto #100x75
3x25/25/16mm²
Unipolar - PVC (70°C)

DPS
175 V - 8 kA

70 A

10 A 2.5
Unipolar - PVC (70°C)

Ar Condicionado EV - 22 815 W 130

10 A 2.5
Unipolar - PVC (70°C)

Ar Condicionado EV - 26 1085 W 131

10 A 2.5
Unipolar - PVC (70°C)

Ar Condicionado EV - 29 1085 W 132

10 A 2.5
Unipolar - PVC (70°C)

Ar Condicionado EV - 28 1085 W 133

10 A 2.5
Unipolar - PVC (70°C)

Ar Condicionado EV - 27 1085 W 134

10 A 2.5
Unipolar - PVC (70°C)

Ar Condicionado EV - 31 815 W 135

10 A 2.5
Unipolar - PVC (70°C)

Reserva 0 W 136

10 A 2.5
Unipolar - PVC (70°C)

Reserva 0 W 137

138 815 W Ar Condicionado EV - 30 2.5 10 A Unipolar - PVC (70°C)

139 815 W Ar Condicionado EV - 32 2.5 10 A Unipolar - PVC (70°C)

140 815 W Ar Condicionado EV - 33 2.5 10 A Unipolar - PVC (70°C)

141 815 W Ar Condicionado EV - 25 2.5 10 A Unipolar - PVC (70°C)

142 1085 W Ar Condicionado EV - 21 2.5 10 A Unipolar - PVC (70°C)

143 2200 W Ar Condicionado EV - 23 2.5 16 A Unipolar - PVC (70°C)

144 2200 W Motor CX-01 2.5 10 A Unipolar - PVC (70°C)

145 0 W Reserva 2.5 10 A Unipolar - PVC (70°C)

Potência instalada (W)

R	4941
S	5226
T	4549
Total	14715

Branco
Preto
Vermelho
Azul
Verde
PE

Verde

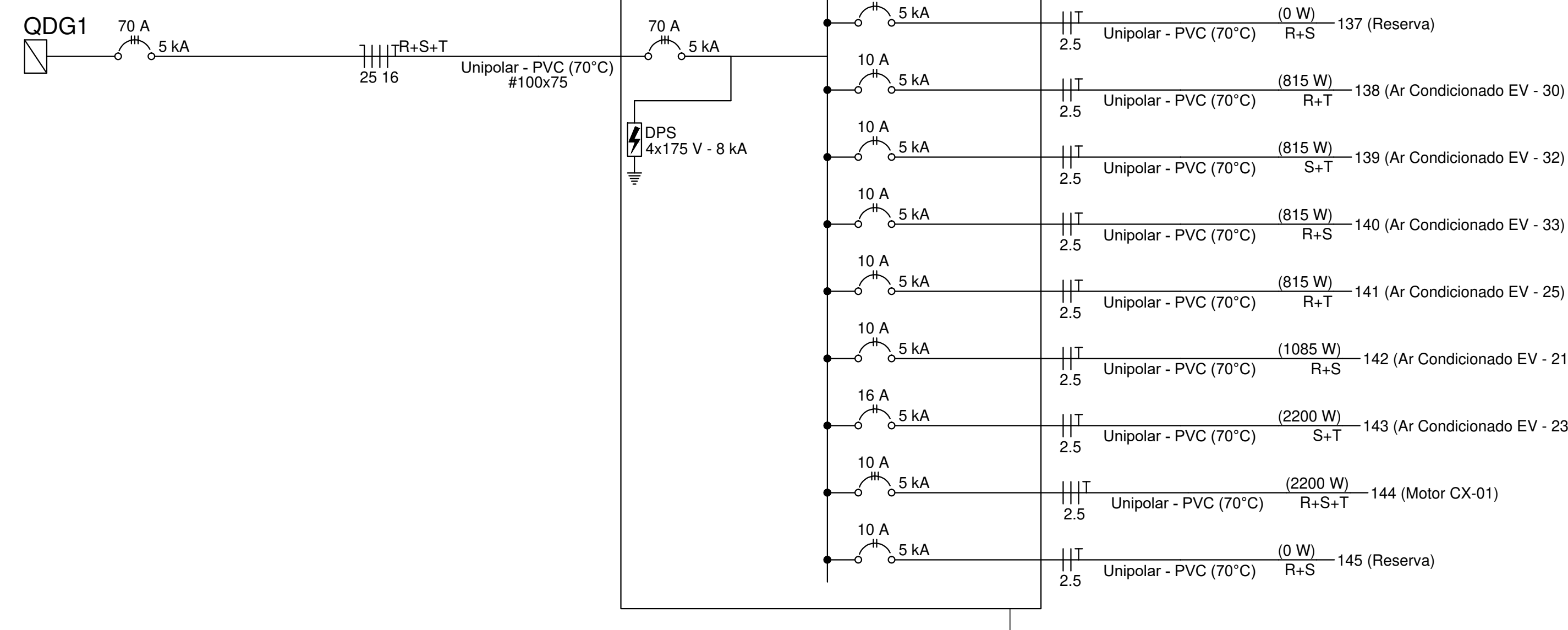


Figure 1: Schematic representation of the experimental design. The figure shows two identical experimental runs, Run 1 and Run 2, each consisting of 10 trials. Each trial is represented by a 3x3 grid of colored squares (blue, green, yellow, red, and white). The grids are arranged in a 2x10 grid. The top row of grids is labeled 'Run 1' and the bottom row is labeled 'Run 2'. The first column of grids is labeled 'Trial 1' and the last column is labeled 'Trial 10'. The grids show a sequence of colored squares that change across trials, representing different experimental conditions. A legend on the right side of the figure identifies the colors: Blue, Green, Yellow, Red, and White.

[illegible]

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Condicionador de ar tipo janela (Não residencial)	6.94	100.00	6.94
Motores	6.63	75.00	4.97
		TOTAL	11.91

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Condicionador de ar tipo janela (Não residencial)	13.91	100.00	13.91
Motores	3.31	100.00	3.31
		TOTAL	17.22