

QUADRO DE CARGAS (GERAL)

CIRC.	Potência Instalada (W)	DEMAND A (KVA)	TENSÃO (V)	CORRENTE (A)	CONDUTOR (mm²)	PROTEÇÃO (A)	FASES W)		
							A	B	C
QD-1 CASA CAPELA	18580	-	220	48.76	3#35(35)T16	3x100	6	6	6
QD-2 COZINHA	#REF!	-	220	#REF!	3#70(35)T35	3x150	#REF!	#REF!	#REF!
TOT. GERAL	#REF!	#REF!	220	#REF!	3#95(50)T50	3x200	#REF!	#REF!	#REF!

QUADRO DE CARGAS GERAL (QG)							
CIRC.	Potência Instalada (KW)	FATOR DE DEMANDA	DEMANDA (KW)	TENSÃO (V)	CORRENTE(A)	CONDUTOR (mm²)	PROTEÇÃO (A)
QD-02	18.58	0.7	13	220	53.00	3#10(10)T10	3x50
QD-01	60	0.77	46	220	171.15	3#95(50)T50	3x200
QD-03	#REF!	0.7	#REF!	220	#REF!	#REF!	#REF!
TOT. GERAL	#REF!		#REF!	220	#REF!	3#25(25)T16	3x100

QUADRO DE CARGAS - (QD-01) AR-CONDICIONADO

CIRC.	ILUMINAÇÃO		T.U.G (W)		T.U.E(W)	TOTAL (W)	FATOR DE POTÊNCIA	TOTAL (VA)	TENSÃO (V)	CORRENT E (A)	CORRENTE DE PROJETO (A)	CONDUTOR (mm²)	PROTEÇÃO (A)	Disjuntor Diferencial Residual (DDR)	FASES		
	24	100	100	600											A	B	C
AC-1					7,200	7,200	0.92	7,826	220	32.73	40.91	2#6,0T6,0	2x50	-	3600		3600
AC-2					7,200	7,200	0.92	7,826	220	32.73	40.91	2#6,0T6,0	2x50	-		3600	3600
AC-3					7,200	7,200	0.92	7,826	220	32.73	40.91	2#6,0T6,0	2x50	-	3600	3600	
AC-4					7,200	7,200	0.92	7,826	220	32.73	40.91	2#6,0T6,0	2x50	-	3600		3600
AC-5					7,200	7,200	0.92	7,826	220	32.73	40.91	2#6,0T6,0	2x50	-		3600	3600
AC-6					7,200	7,200	0.92	7,826	220	32.73	40.91	2#6,0T6,0	2x50	-	3600	3600	
AC-7					7,200	7,200	0.92	7,826	220	32.73	40.91	2#6,0T6,0	2x50	-	3600		3600
AC-8					7,200	7,200	0.92	7,826	220	32.73	40.91	2#6,0T6,0	2x50	-		3600	3600
AC-C1					1,200	1,200	0.92	1,304	220	5.45	6.82	2#6,0T6,0	2x25	-	600	600	
AC-C2					1,200	1,200	0.92	1,304	220	5.45	6.82	2#6,0T6,0	2x25	-	600	600	
TOT. GERAL	0	0	0	0		60,000	0.92	65,217	220	171.15		3#95(50)T50	3x200		19,200	19,200	21,600

QUADRO DE CARGAS - (QD-02)																		
CIRC.	ILUMINAÇÃO (W)		T.U.G (W)			T.U.E(W)	POTENCIA INSTALADA (W)	FATOR DE POTENCIA	TOTAL (VA)	TENSÃO (V)	CORRENTE (A)	CORRENTE DE PROJETO (A)	CONDUTOR (mm²)	PROTEÇÃO (A)	Disjuntor Diferencial Residual (DDR)	FASE A	Fase B	Fase C
	36	50	100	300	600													
IL.1.1	5						180	0.92	196	127	1.42	1.77	1#2,5(2,5)T2,5	1x16	-	0.18		
T1.1			4	3			1,300	0.92	1,413	127	10.24	12.80	1#4,0(4,0)T4,0	1x25	-		1.3	
T1.2			3	3			1,200	0.92	1,304	220	5.45	6.82	2#4,0T4,0	2x25	-	0.6		0.6
T1.3			4	3			1,300	0.92	1,413	127	10.24	12.80	1#4,0(4,0)T4,0	1x25	-		1.3	
T1.4			3	3			1,200	0.92	1,304	220	5.45	6.82	2#4,0T4,0	2x25	-		0.6	0.6
T1.5			4	3			1,300	0.92	1,413	127	10.24	12.80	1#4,0(4,0)T4,0	1x25	-			1.3
T1.6			3	3			1,200	0.92	1,304	220	5.45	6.82	2#4,0T4,0	2x25	-	0.6	0.6	
T1.7			4	3			1,300	0.92	1,413	127	10.24	12.80	1#4,0(4,0)T4,0	1x25	-	1.3		
T1.8			3	3			1,200	0.92	1,304	220	5.45	6.82	2#4,0T4,0	2x25	-	0.6		0.6
T1.9			6	6			2,400	0.92	2,609	127	18.90	23.62	1#4,0(4,0)T4,0	1x25	-		2.4	
RX.1						6,000	6,000	0.92	6,522	220	27.27	34.09	2#4,0T4,0	2X32	-	3		3
TOT. GERAL	5	0	34	30	0	6,000	18,580	0.92	20,196	220	53.00		3#10(10)T10	3x50	-	6.28	6.2	6.1

Cálculo da Demanda D (KVA)									
	Detalhes	Potência Instalada (KVA)	Potência (KVA)	Fator de Demanda	DEMAND A (KW)	TENSÃO (V)	CORRENTE(A)	CONDUTOR (mm²)	PROTEÇÃO (A)
D1	Iluminação e Tomadas		0.00	0.80	-	-	-	-	-
D2	AUTOCLAVE, chuveiro		0.00	0.75	-	-	-	-	-
D3	Microondas, Máquina de Lavar		0.00	1.00	-	-	-	-	-
D4	Geladeira, freezer		0.00	0.00	-	-	-	-	-
D5	Ar-condicionado		0.00	0.62	-	-	-	-	-
D6	Motores		0.00	1.00	-	-	-	-	-
Total:		0.000			-	220	-	3#25(25)T16	100