

DRAWING REF	DESCRIPTION	KVA	L1	L2	L3
TXF1	380/24VAC TRANSFORMER	0.13	0.065	0.065	
TXF2	380/120VAC TRANSFORMER	1	0.500	0.500	
AC1	AIR CONDITIONING UNIT 1 (1275 WATTS)	1.275	0.425	0.425	0.425
AC2	AIR CONDITIONING UNIT 1 (1275 WATTS)	1.275	0.425	0.425	0.425
PSU1	380/24VDC 20A POWER SUPPLY	0.8	0.267	0.267	0.267
PSU2	380/24VDC 10A POWER SUPPLY	0.6	0.200	0.200	0.200
TXF3	32KVA TRANSFORMER (2 PHASE) 380/120VAC	32	16.000	16.000	16.000
TXF4	32KVA TRANSFORMER (2 PHASE) 380/120VAC	32	16.000	16.000	16.000
TXF5	32KVA TRANSFORMER (2 PHASE) 380/120VAC	32	16.000	16.000	16.000
MOTOR 1	CONVEYOR 1	1.5	0.500	0.500	0.500
MOTOR 2	CONVEYOR 2	0.4	0.133	0.133	0.133
MOTOR 3A & 3B	CONVEYOR 3	0.12	0.040	0.040	0.040
MOTOR 4	CONVEYOR 4	0.75	0.250	0.250	0.250
MOTOR 5	CONVEYOR 5	0.55	0.183	0.183	0.183
MOTOR 6	CONVEYOR 6	0.75	0.250	0.250	0.250
MOTOR 7	CONVEYOR 7	0.75	0.250	0.250	0.250
MOTOR 8	CONVEYOR 8	0.75	0.250	0.250	0.250
	KVA PER LEG		35.538	35.738	35.173
	TOTAL KVA	106.65 KVA			
	TOTAL KW = KVA * 0.8 (PF)	85.32 KW			
	AMPS = KW * 1000/380*1.732	129.634 AMPS PER PHASE			