
COMUNE DI LUCCA

PROVINCIA DI LUCCA

INTERVENTI DI MANUTENZIONE STRAORDINARIA
DELLE SERRE ORTO BOTANICO - LUCCA - CUP
J61E24000200004

≡ PROGETTO DI FATTIBILITA' TECNICA ED
ECONOMICA

Schema Funzionale Meccanico - Elettrico

PFTE_5IMPM_CSR_GG_SP_010_00

25-016

REV	DATA	DESCRIZIONE	REDATTO	VERIFICATO	APPROVATO
00	21/04/2026	PRIMA EMISSIONE	016M	001M	001A

COMMITTENTE:
Comune di Lucca
RUP Ing. Stefano Angelini

TEAM DI PROGETTAZIONE
Studio INTRE

RIF. EX.CASERMETTA SAN REGOLO LUCCA

CITY MULTI SYSTEM SCHEMATIC DWG.

Appropriate Circuit Protection Device in accordance with local government regulations are mandatory required such as GFI(Inverter type) and WB etc. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book. 1.25mm² (16 AWG) : 1.25mm² (16 AWG) or more. 1.25mm² (16 AWG) : 1.25mm² (16 AWG) or more. Warning: HVRF pipe size is dependent on pipe length, please confirm before implementation.

DIAGRAM DISPLAY	SYMBOL	LEGEND DESCRIPTION
---	---	POWER WIRE
---	---	CONTROL WIRE
---	---	REF. PIPE / WATER PIPE
---	---	POWER SIGNAL WIRE

The symbol of replace judgment	
Symbol	Definition
#1	Standard
#2	Usable (Unit performance will be affected.)
#3	Usable (Refrigerant charge will be limited.)
#4	Usable (Piping length will be limited.)
#5	Piping length and vertical separation will be limited.

PIPING LIST			
SYMBOL	BRANCH	PIPE MODEL	NAME
J1	CMY-Y102LS-G2		
J2	CMY-Y102SS-G2		
SYMBOL	LIQUID PIPE/GAS PIPE	SIZE	
P1	9.52 / 22.2		
P2	9.52 / 19.05		
P3	9.52 / 15.88		
P4	6.35 / 12.7		

Address	Additional Refrigerant
051	7.5 kg

12.7mm for liquid pipe of P250 unit over 90m.

MITSUBISHI ELECTRIC CORPORATION

PREPARED ON 2026/05/12



