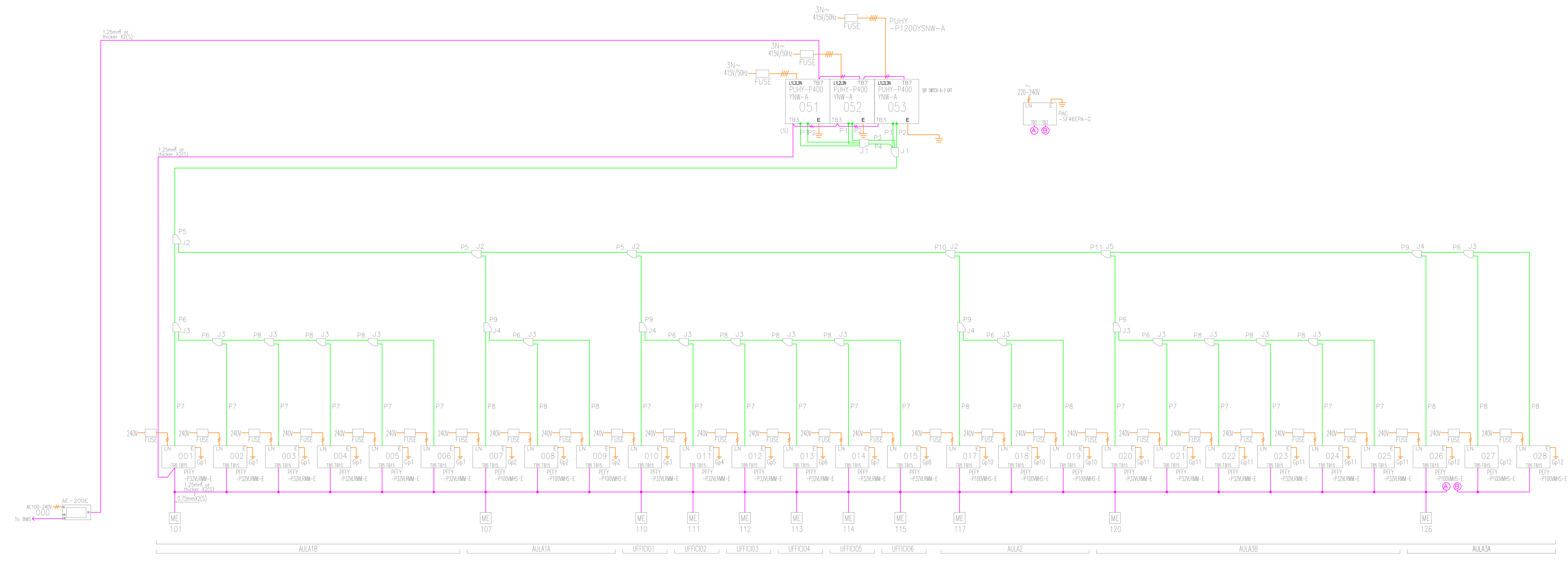
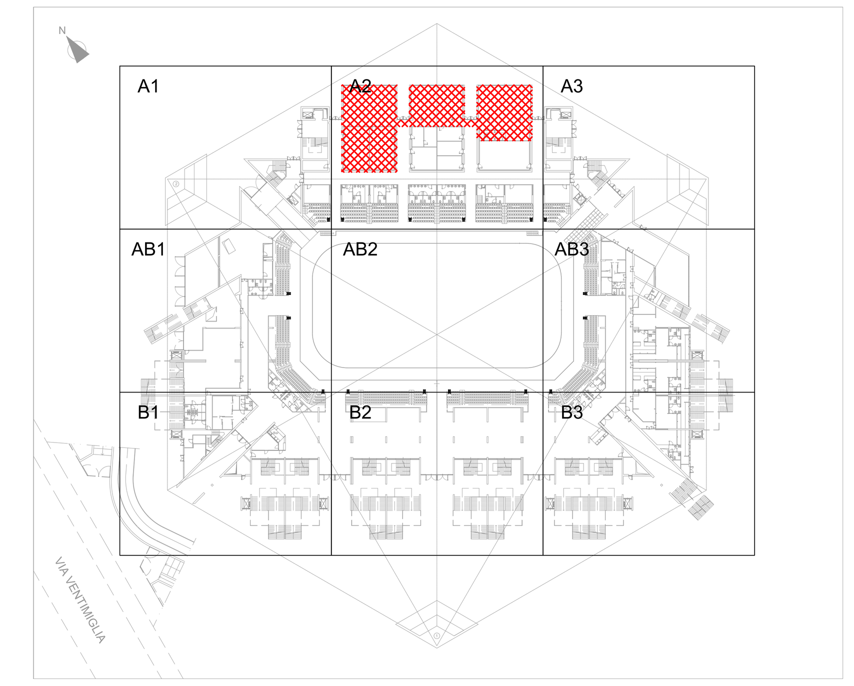


SCHEMA FRIGORIFERO ED ELETTRICO IMPIANTO VRF



	Linee elettriche di potenza.
	Linee elettriche di segnale.
	Tubazioni in rame pre-isolato per gas frigorigeno a servizio dell'impianto di climatizzazione.
	Tubazioni in rame pre-isolato per gas frigorigeno a servizio della batteria ad espansione diretta della nuova UTA per il trattamento dell'aria primaria.
AC100-240V	Pannello centralizzatore.
ME	Comando a filo a parete.
	Giunto per gas refrigerante.
J1	Giunto CMY-Y300VBK3
J2	Giunto CMY-Y302S-G2
J3	Giunto CMY-Y102SS-G2
J4	Giunto CMY-Y102LS-G2
J5	Giunto CMY-Y202S-G2
P1	GAS 28.58
P2	LIQUIDO 15.88
P3	LQUIDO 19.05
P4	GAS 34.93
P5	19.05 / 41.28
P6	9.52 / 19.05
P7	6.35 / 12.7
P8	9.52 / 15.88
P9	9.52 / 22.2
P10	19.05 / 34.93
P11	15.88 / 28.58
P12	n.4 coppie di tubazioni da 12.7 / 25.4

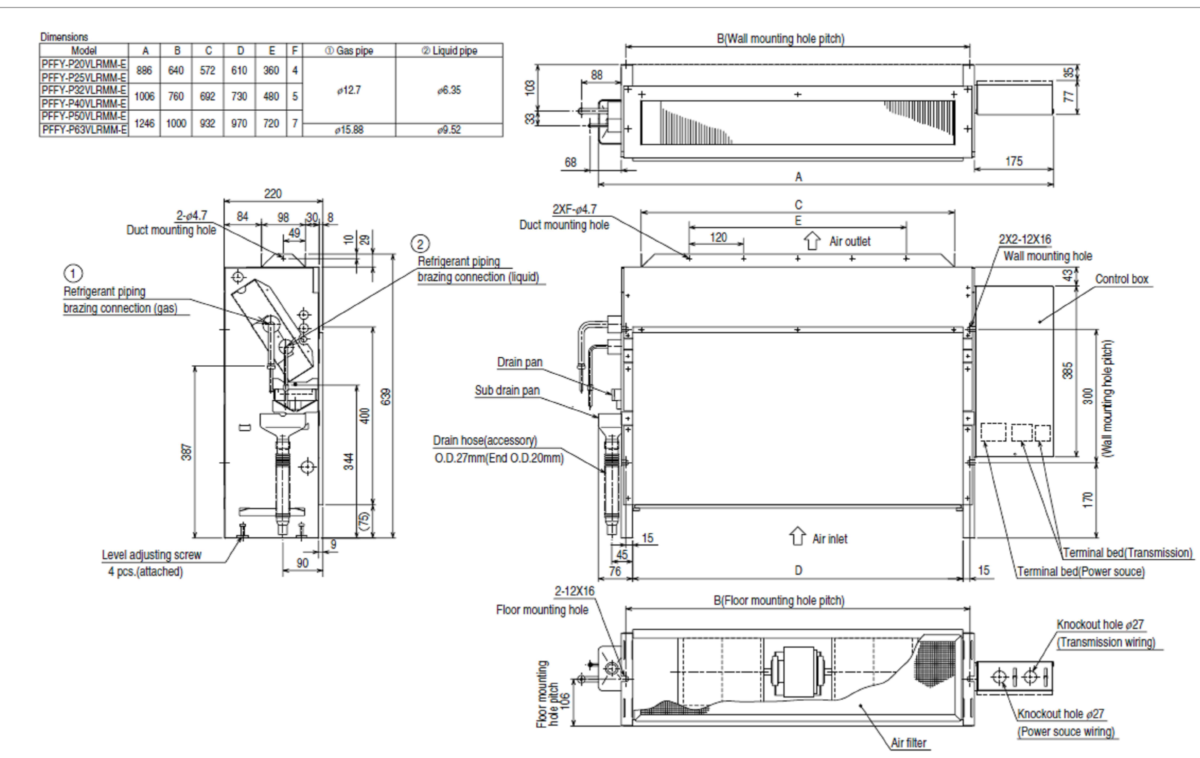
NOTA1:

Appropriate Circuit Protection Device in accordance with logal 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.
1.25mm (16 AWG) : 1.25mm (16 AWG) or more.

CENTRALIZZATORE AE-200

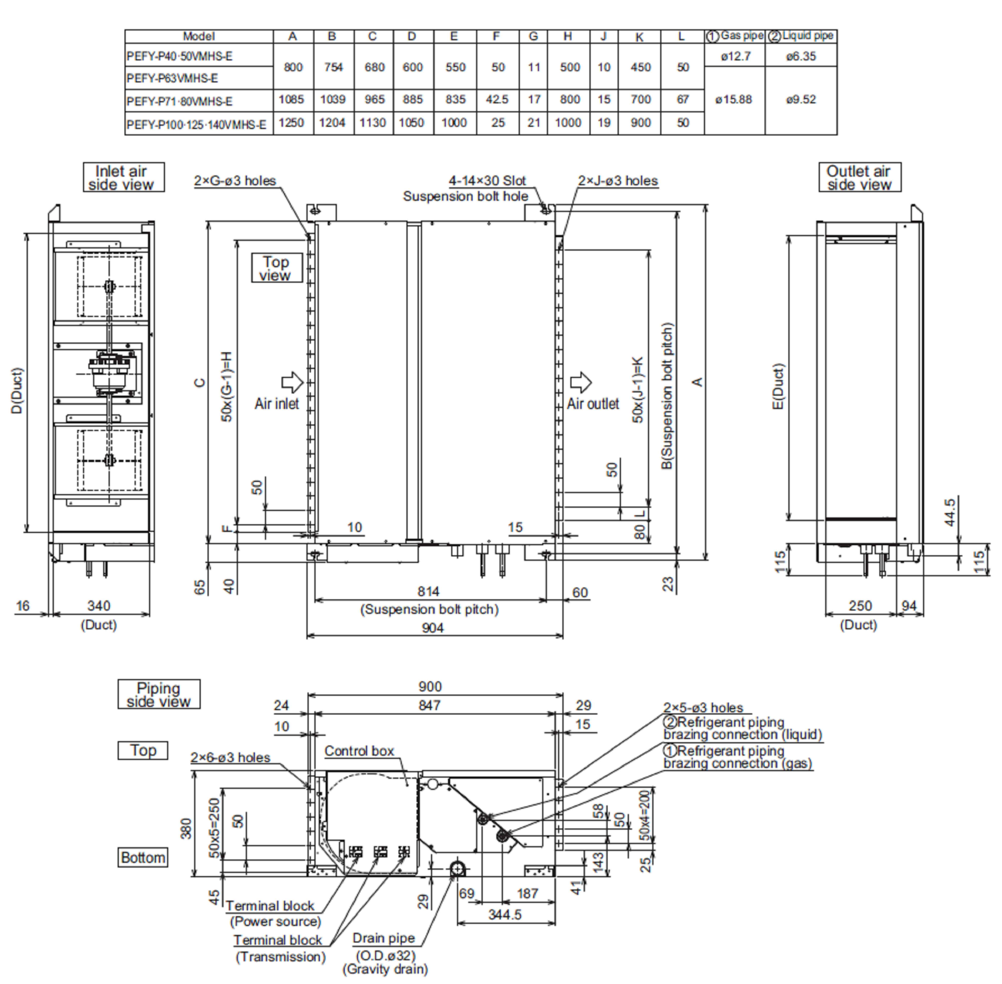
COMANDO A FILO PAR-U02MEDA

Model				PFFY-P25VLRMM-E	PFFY-P32VLRMM-E
Power source				1-phase 220-240V (50/60Hz)	
Cooling capacity (Nominal)		*1	kW	2.8	3.6
		*1	kcal / h	2,400	3,100
		*1	Btu / h	9,600	12,300
		*2	kcal / h	2,500	3,150
	Power input		kW	0.04	0.04
	Current input		A	0.34	0.38
Heating capacity (Nominal)		*3	kW	3.2	4.0
		*3	kcal / h	2,800	3,400
		*3	Btu / h	10,900	13,600
	Power input		kW	0.04	0.04
	Current input		A	0.34	0.38
External finish				Galvanized steel plate	
External dimension H x W x D			mm	639 x 886 x 220	639 x 1006 x 220
			in.	25-3/16" x 34-15/16" x 8-11/16"	25-3/16" x 39-5/8" x 8-11/16"
Net weight			kg (lb)	18.5 (41)	20 (45)
Heat exchanger				Cross fin (Aluminium fin and copper tube)	
FAN	Type x Quantity			Sirocco fan x 1	Sirocco fan x 2
	External static press.		Pa	20 - 40 - 60	20 - 40 - 60
			mmH_2O	2.0 - 4.1 - 6.1	2.0 - 4.1 - 6.1
	Motor type			DC blushless motor	
	Motor output		kW	0.096	0.096
	Driving mechanism			Direct-driven	
	Airflow rate (Low-Mid-High)		m^3 / min	4.5 - 5.5 - 6.5	6.5 - 7.5 - 9.0
			L / s	75 - 92 - 108	108 - 125 - 150
			cfm	159 - 194 - 230	230 - 265 - 318



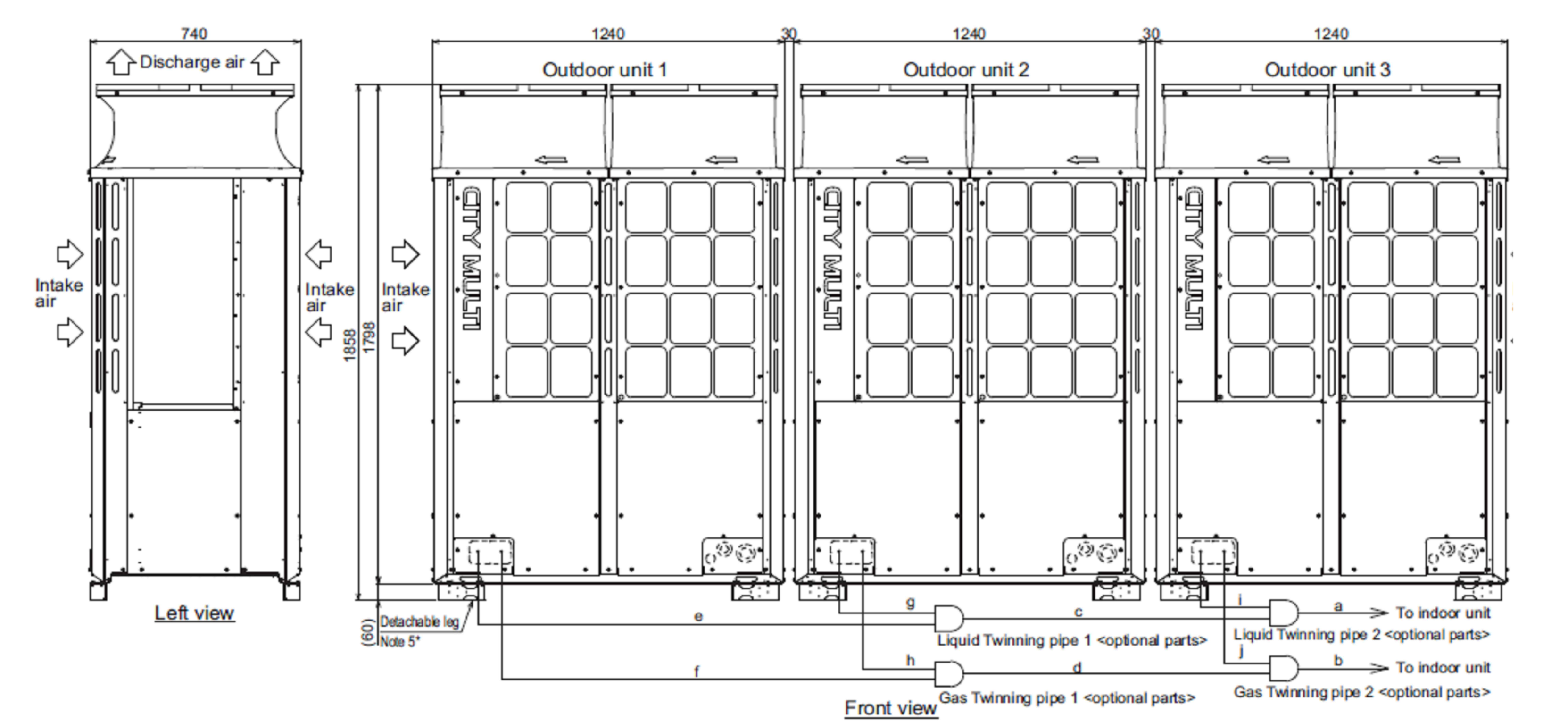
CARATTERISTICHE TECNICHE UNITA' INTERNA A PAVIMENTO DA INCASSO MITSUBISHI, MODELLO PFFY-P32VLRMM-E

Model				PEFY-P100VMHS-E
Power source				1-phase 220-230-240 V 50/60 Hz
Cooling capacity (Nominal)		*1	kW	11.2
		*1	kcal/h	9,600
		*1	BTU/h	38,200
	*2	Power input	kW	0.160
	*2	Current input	A	1.05 - 1.01 - 0.96
Heating capacity (Nominal)		*3	kW	12.5
		*3	kcal/h	10,800
		*3	BTU/h	42,700
	*2	Power input	kW	0.160
	*2	Current input	A	1.05 - 1.01 - 0.96
External finish				Galvanized steel plate
External dimension H x W x D			mm	380 x 1,195 x 900
			in.	15 x 47-1/16 x 35-7/16
Net weight			kg (lbs)	51 (113)
Heat exchanger				Cross fin (Aluminum fin and copper tube)
FAN		Type x Quantity		Sirocco fan x 2
	*4	External static press.	Pa	50 - <100> - <150> - <200>
			mmH_2O	5.1 - <10.2> - <15.3> - <20.4>
		Motor Type		DC motor
		Motor output	kW	0.375
		Driving mechanism		Direct-driven by motor
		Air flow rate		(Low-Mid-High)
			m^3/min	26.5 - 32.0 - 38.0
			L/s	442 - 533 - 633
			cfm	936 - 1,130 - 1,342
Sound pressure level (measured in anechoic room)				(Low-Mid-High)
		*2	dB <A>	27-31-34



CARATTERISTICHE TECNICHE UNITA' CANALIZZABILE MARCA MITSUBISHI, MODELLO PEFY-P100VMHS-E

Model				PUHY-P1200YSNW-A (-BS)
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)		*1	kW	136.0
			kcal/h	117,000
			BTU/h	464,000
	Power input		kW	35.69
	Current input		A	60.2-57.2-55.1
	EER		kW/kW	3.81
Temp. range of cooling	Indoor		W.B.	15.0~24.0°C (59~75°F)
	Outdoor		D.B.	-5.0~52.0°C (23~126°F)
Heating capacity (Max)		*2	kW	150.0
			kcal/h	129,000
			BTU/h	511,800
	Power input		kW	41.42
	Current input		A	69.9-66.4-64.0
	COP		kW/kW	3.62
(Nominal)		*3	kW	136.0
			kcal/h	117,000
			BTU/h	464,000
	Power input		kW	31.62
	Current input		A	53.3-50.7-48.8
	COP		kW/kW	4.30
Temp. range of heating	Indoor		D.B.	15.0~27.0°C (59~81°F)
	Outdoor		W.B.	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity			50~130% of outdoor unit capacity
	Model/Quantity			P15~P250/3~50
Sound pressure level (measured in anechoic room) *4			dB <A>	70.0/72.0
Sound power level (measured in anechoic room) *4			dB <A>	87.5/91.0
Refrigerant piping diameter	Liquid pipe		mm (in.)	19.05 (3/4) Brazed
	Gas pipe		mm (in.)	41.28 (1-5/8) Brazed



CARATTERISTICHE TECNICHE UNITA' ESTERNA MARCA MITSUBISHI, MODELLO PUHY - P 1250YSNW-A

COMUNE DI TORINO

OGGETTO
PALAVELA
PROGETTO DI MODIFICA E ADEGUAMENTO DEI LOCALI PER LA REALIZZAZIONE DI SALE CONFERENZA

INTERVENTO
OPERE DI MODIFICA INTERNA, MANUTENZIONE STRAORDINARIA E ADEGUAMENTO IMPIANTISTICO

LIVELLO PROGETTUALE
PROGETTAZIONE ESECUTIVA
LOTTO 2 - IMPIANTO MECCANICO

ELABORATO
IMPIANTO DI CLIMATIZZAZIONE
SCHEMA FRIGORIFERO ED ELETTRICO IMPIANTO VRF

PROPONENTE
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Via Filadelfia e n.82, 10134 Torino - TO -
P.I. 09449780015

CONCESSIONARIO
FONDAZIONE 20 MARZO 2006
Via Giordano Bruno n.191, 10134 Torino - TO -
C.F. 09438920010

PROGETTISTA
BFORMS
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DATA	REVISIONE	SCALA	CODICE ELABORATO/TAVOLA
28/06/2019	01	1:50	IM4