

Technical Submittal

PROJECT NAME	PRODUCT MADNESS	TEC SUB REFERENCE	TS07
PROJECT ADDRESS	6-10 Kirby Street London EC1N 8EQ	COMPANY	Conditioned Environment Mechanical Services (CEMS)
DOCUMENT TITLE	TS07 - COMMS ROOM AC.DOCX	WORKS PACKAGE	Mechanical
ISSUE DATE	29 June 2017	ISSUED BY	F.Costa

ITEM FOR APPROVAL	
DISCRIPTION	Comms Room AC System
MANUFACTURER	Mitsubishi
MODEL	3no. PKA-RP100KAL (Wall Mounted Units), 3no. PUHZ-ZRP100VKA2 (Condensers)
ATTACHMENT	
ADDITIONAL INFORMATION	

CLIENT RESPONSE	
AUTHOR	
POSITION	
ISSUE DATE	
APPROVAL STATUS	
COMMENTS	

Air Conditioning

Product Information

PKA-RP100KAL (Single Phase)
Power Inverter Heat Pump
Wall Mounted System

Making a
World of
Difference

Mr.SLIM™



Our wide range of Power Inverters offer customers high seasonal efficiency, advanced control options and quiet operation, whilst providing greater flexibility and ease of installation.

Key Features

- Flat panel, compact indoor unit design
- Adjustable louvres for uniform air distribution
- Internal pipe connection to wall mounted unit for easy and neat installation



Air Conditioning | Heating
Ventilation | Controls



Air Conditioning

Product Information

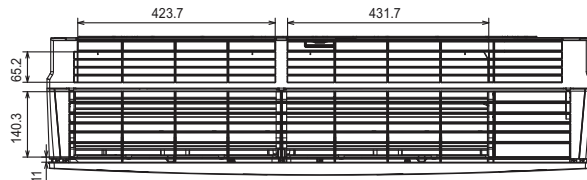
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PKA-RP - INDOOR UNITS		PKA-RP100KAL
CAPACITY (kW)	Heating (nominal)	11.2 (4.5-14.0)
	Cooling (nominal)	9.5 (4.9-11.4)
	Heating (UK)	9.5 (3.85-11.9)
	Cooling (UK)	9.2 (4.5-10.5)
SHF (nominal & UK)		0.73
COP / EER (nominal)		3.68 / 3.96
SCOP / SEER (BS EN14825)		4.1 / 6.1
ErP ENERGY EFFICIENCY CLASS Heating/Cooling		A+ / A++
AIRFLOW (l/s) Lo-Mi-Hi		333-383-433
PIPE SIZE mm (in)	Gas	15.88 (5/8")
	Liquid	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)		41-45-49
SOUND POWER LEVEL (dBA)		65
DIMENSIONS (mm) Width x Depth x Height		1170 x 295 x 365
WEIGHT (kg)		21
ELECTRICAL SUPPLY		Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6
INTERCONNECTING CABLE No. Cores		4

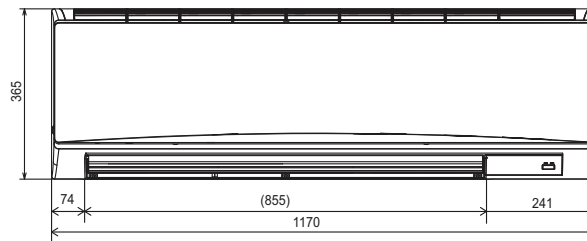
DIMENSIONS

Upper View

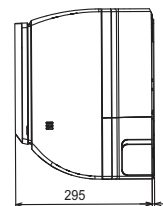


PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP100VKA2
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		51 / 49
SOUND POWER LEVEL (dBA) Cooling		69
WEIGHT (kg)		116
DIMENSIONS (mm) Width x Depth x Height		1050 x 330 + 40 x 1338
ELECTRICAL SUPPLY		220-240v, 50Hz
PHASE		Single
SYSTEM POWER Heating/Cooling (nominal)		3.04 / 2.65
INPUT (kW) Heating/Cooling (UK)		2.43 / 2.28
STARTING CURRENT (A)		12.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		11.35 / 11.26 [27.1]
FUSE RATING (BS88) - HRC (A)		32
MAINS CABLE No. Cores		3
MAX PIPE LENGTH (m)		75
MAX HEIGHT DIFFERENCE (m)		30
CHARGE R410A (kg) - 30m		5.0

Front View



Side View



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning and heat pump systems contain fluorinated greenhouse gases R410A, R407C and R134a.



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 to the environment

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Effective as of April 2015