

PEA-RP R410A Large Capacity Ceiling Concealed Ducted System

Power Inverter Heat Pump (Three Phase)



The **PEA-RP Power Inverter** range is a ceiling concealed ducted system that blends a host of outstanding features with an unobtrusive design for easy installation and maintenance. Offering high seasonal efficiency, advanced control options and quiet operation, this range provides extreme flexibility and ease of installation.

Key Features

- Single phase indoor unit
- DC Fan Motor
- Reduced indoor power input (compared to PEA-RP-GAQ)
- Three fan speeds as standard
- Four static pressure settings of up to 150Pa
- Reduced indoor noise level (compared to PEA-RP-GAQ)
- ErP lot 6 and 30 compliant
- Long pipe runs of up to 100m
- Flexible ducting design



PEA-RP - INDOOR UNITS		PEA-RP200WKA	PEA-RP250WKA
CAPACITY (kW)	Heating (nominal) Cooling (nominal) Heating (UK) Cooling (UK)	22.4 (9.5-25.0) 19.0 (9.0-22.4) 19.05 (8.1-21.25) 17.5 (8.3-20.6)	27.0 (12.5-31.0) 22.0 (11.2-27.0) 22.95 (10.65-26.35) 20.25 (10.3-24.85)
SHF (nominal)		0.81	0.86
COP / EER (nominal)		3.40 / 3.15	3.20 / 2.73
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		3.43 (137.2%) / 5.06 (202.2%)	3.40 (136.0%) / 4.71 (188.2%)
AIRFLOW (l/s)	Lo-Mi-Hi	833-1017-1200	967-1183-1400
PIPE SIZE mm (in)	Gas	28.58 (1 1/8")	28.58 (1 1/8")
	Liquid	9.52 (3/8")	12.7 (1/2")
EXTERNAL STATIC PRESSURE (Pa)		60 / 75 / 100 / 150	60 / 75 / 100 / 150
SOUND PRESSURE LEVEL (dBA) (60Pa)	Lo-Mi-Hi	38-41-44	40-43-46
SOUND POWER LEVEL (dBA) (60Pa)	Lo-Mi-Hi	65-66-67	70-71-72
DIMENSIONS (mm)	Width x Depth x Height	1370 x 1120 x 470	1370 x 1120 x 470
WEIGHT (kg)		108	108
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (kW)	Nominal / UK	0.66 / 0.59	0.80 / 0.71
STARTING CURRENT (A)		7.1	7.1
RUNNING CURRENT (A) [MAX]		3.57 [4.3]	4.34 [5.5]
FUSE RATING (BS88) - HRC (A)		16	16
MAINS CABLE No. Cores		3	3
INTERCONNECTING CABLE No. Cores		3	3
WIRED REMOTE CONTROLLER REFERENCE		PAR-40MAA	PAR-40MAA
PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP200YKA3	PUHZ-ZRP250YKA3
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	62 / 59	62 / 59
WEIGHT (kg)		135	135
DIMENSIONS (mm)	Width x Depth x Height	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three
SYSTEM POWER	Heating/Cooling (nominal)	6.58 / 6.03	8.43 / 8.05
INPUT (kW)	Heating/Cooling (UK)	5.92 / 5.01	7.59 / 6.68
STARTING CURRENT (A)		5	5
RUNNING CURRENT (A)	Heating/Cooling [MAX]	10.20 / 10.51 [19]	13.05 / 13.27 [21]
FUSE RATING (BS88) - HRC (A)		32	32
MAINS CABLE No. Cores		5	5
MAX PIPE LENGTH (m)		100	100
MAX HEIGHT DIFFERENCE (m)		30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)		7.10 / 14.82	7.70 / 16.08
R410A (GWP 2088) - 30m			
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)		3.60 / 7.52 (up to 75m ^{*1})	4.80 / 10.02 (up to 75m ^{*1})
R410A (GWP 2088)			

③ Three Phase Note: *1 For 75-100m please consult the Service Handbook.

Accessories

Outdoor Units

PAC-SH96SG

Air outlet guide for PUHZ-ZRP200-250YKA3

System Control Units

PAC-SA89TA

Remote on/off adaptor (3 wire adaptor)

PAC-SA88HA

Run/fault adaptor (5 wire adaptor)

PAC-SE41TS

Remote sensor

PAR-CT01MAA-SB/PB

Touch screen wired remote controller (PB=Premium Finish)

PAR-40MAA

Standard wired remote controller

MAC-567IF

Interface for connection to Wi-Fi MELCloud service

MELCOBEMS MINI

Modbus and BACnet MSTP CN105 adaptor

MELCORETAIL MINI

Retail control and input / output interface

PAC-SJ95MA

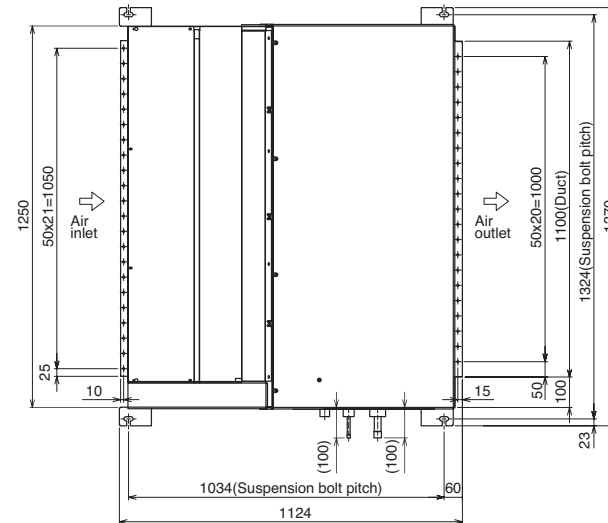
M-NET adaptor for size 200 to 250

Note: Please see page 1.3.62 for the full range of accessories.

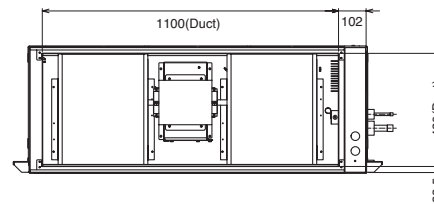
Product Dimensions

PEA-RP200/250WKA

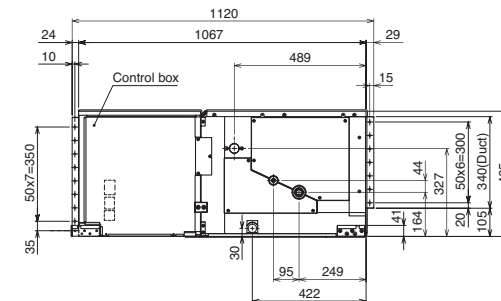
Upper View



Right Side View



Left Side View



PEA-RP R410A Large Capacity Ceiling Concealed Ducted System

Standard Inverter Heat Pump (Three Phase)



The **PEA-RP Standard Inverter** range is a ceiling concealed ducted system that blends a host of outstanding features with an unobtrusive design for easy installation and maintenance. Offering advanced control options and quiet operation, this range provides extreme flexibility and ease of installation whilst being cost effective.

Key Features

- Single phase indoor unit
- DC Fan Motor
- Reduced indoor power input (compared to PEA-RP-GAQ)
- Three fan speeds as standard
- Four static pressure settings of up to 150Pa
- Reduced indoor noise level (compared to PEA-RP-GAQ)
- ErP lot 6 and 30 compliant
- Long pipe runs of up to 70m
- Flexible ducting design



PEA-RP - INDOOR UNITS		PEA-RP200WKA	PEA-RP250WKA
CAPACITY (kW)	Heating (nominal) Cooling (nominal) Heating (UK) Cooling (UK)	22.4 (9.5-25.0) 19.0 (9.0-22.4) 19.05 (8.1-21.25) 17.5 (8.3-20.6)	27.0 (12.5-31.0) 22.0 (11.2-27.0) 22.95 (10.65-26.35) 20.25 (10.3-24.85)
SHF (nominal)		0.81	0.86
COP / EER (nominal)		3.30 / 3.02	3.10 / 2.70
SCOP (nsh) / SEER (nso) (BS EN14825)		3.36 (134.4%) / 4.86 (194.5%)	3.35 (133.9%) / 4.59 (183.7%)
AIRFLOW (l/s)	Lo-Mi-Hi	833-1017-1200	967-1183-1400
PIPE SIZE mm (in)	Gas	28.58 (1 1/8")	28.58 (1 1/8")
	Liquid	9.52 (3/8")	12.7 (1/2")
EXTERNAL STATIC PRESSURE (Pa)		60 / 75 / 100 / 150	60 / 75 / 100 / 150
SOUND PRESSURE LEVEL (dBA) (60Pa)	Lo-Mi-Hi	38-41-44	40-43-46
SOUND POWER LEVEL (dBA) (60Pa)	Lo-Mi-Hi	65-66-67	70-71-72
DIMENSIONS (mm)	Width x Depth x Height	1370 x 1120 x 470	1370 x 1120 x 470
WEIGHT (kg)		108	108
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (kW)	Nominal / UK	0.66 / 0.59	0.80 / 0.71
STARTING CURRENT (A)		7.1	7.1
RUNNING CURRENT (A) [MAX]		3.57 [4.3]	4.34 [5.5]
FUSE RATING (BS88) - HRC (A)		16	16
MAINS CABLE No. Cores		3	3
INTERCONNECTING CABLE No. Cores		3	3
WIRED REMOTE CONTROLLER REFERENCE		PAR-40MAA	PAR-40MAA
PUHZ-P - OUTDOOR UNITS		PUHZ-P200YKA3 ^③	PUHZ-P250YKA3 ^③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	60 / 58	62 / 59
WEIGHT (kg)		127	135
DIMENSIONS (mm)	Width x Depth x Height	1050 x 330+40 x 1338	1050 x 330+40 x 1338
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal) Heating/Cooling (UK)	6.78 / 6.29 6.10 / 5.22	8.70 / 8.14 7.83 / 6.75
STARTING CURRENT (A)		5	5
RUNNING CURRENT (A)	Heating/Cooling [MAX]	11.45 / 11.04 [19]	14.04 / 13.04 [21]
FUSE RATING (BS88) - HRC (A)		32	32
MAINS CABLE No. Cores		5	5
MAX PIPE LENGTH (m)		70	70
MAX HEIGHT DIFFERENCE (m)		30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)		6.50 / 13.57	7.70 / 16.08
R410A (GWP 2088) - 30m			
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)		3.60 / 7.52 (70m)	4.80 / 10.02 (70m)
R410A (GWP 2088)			

^③ Three Phase

Accessories

Outdoor Units

PAC-SH96SG

Air outlet guide for PUHZ-P200-250YKA3

System Control Units

PAC-SA89TA

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Remote sensor

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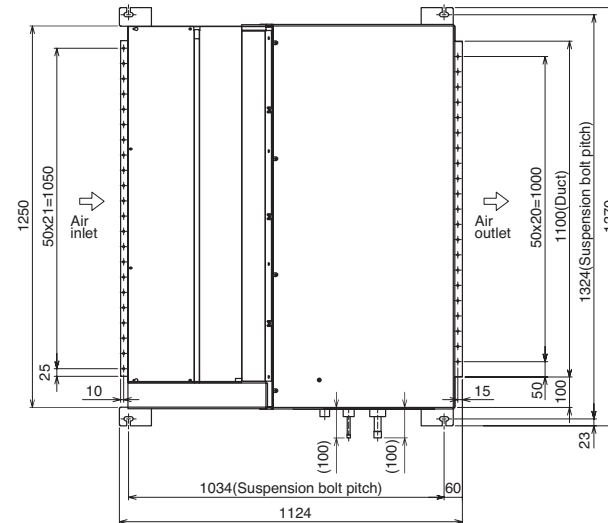
PAC-SJ95MA

M-NET adaptor for size 200 to 250

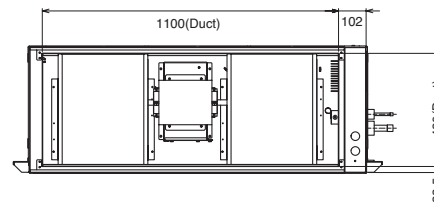
Product Dimensions

PEA-RP200/250WKA

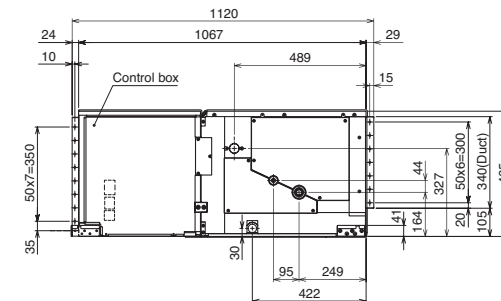
Upper View



Right Side View



Left Side View



Note: Please see page 1.3.62 for the full range of accessories.