

PEAD-RP Power Inverter Heat Pump (Single Phase)

Ceiling Concealed Ducted System

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

- Reduced height - entire range only 250mm
- Wider range of external static pressure settings across entire range
- Drain pump included as standard



PEAD-RP - INDOOR UNITS		PEAD-RP35JAQ	PEAD-RP50JAQ	PEAD-RP60JAQ	PEAD-RP71JAQ	PEAD-RP100JAQ	PEAD-RP125JAQ	PEAD-RP140JAQ
CAPACITY (kW)	Heating (nominal)	4.1 (1.6-5.2)	6.0 (2.5-7.3)	7.0 (2.8-8.2)	8.0 (3.5-10.2)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (5.7-18.0)
	Cooling (nominal)	3.6 (1.6-4.5)	5.0 (2.3-5.6)	6.1 (2.7-6.7)	7.1 (3.3-8.1)	10.0 (4.9-11.4)	12.5 (5.5-14.0)	13.4 (6.2-15.3)
	Heating (UK)	3.5 (1.35-4.4)	5.1 (2.15-6.2)	5.95 (2.4-6.95)	6.8 (3.0-8.65)	9.5 (3.85-11.9)	11.9 (4.25-13.6)	13.6 (4.85-15.3)
	Cooling (UK)	3.3 (1.45-4.15)	4.6 (2.1-5.15)	5.5 (2.5-6.15)	6.55 (3.05-7.45)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	12.9 (5.7-14.1)
SHF (nominal & UK)		0.85	0.84	0.83	0.83	0.82	0.84	0.84
COP / EER (nominal)		4.32 / 4.04	4.00 / 3.47	3.91 / 3.70	3.94 / 3.53	4.31 / 3.80	3.86 / 3.09	3.81 / 3.07
SCOP / SEER (BS EN14825)		4.0 / 5.6	4.3 / 5.5	4.1 / 5.8	3.9 / 5.6	4.2 / 5.6	3.8 / 4.8	3.6 / 4.3
ErP ENERGY EFFICIENCY CLASS		A+ / A+	A+ / A	A+ / A+	A / A+	A+ / A+	N/A	N/A
AIRFLOW (m³/min)		Lo-Mi-Hi	10-12-14	12-14.5-17	14.5-18-21	17.5-21-25	24-29-34	29.5-33.5-42
PIPE SIZE mm (in)	Gas	12.7 (1/2")	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Liquid	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
EXTERNAL STATIC PRESSURE (Pa)		35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150
SOUND PRESSURE LEVEL (dBA)		Lo-Mi-M2-M3-Hi	23-27-30	26-31-35	25-29-33	26-30-34	29-34-38	33-36-40
SOUND POWER LEVEL (dBA)			52	57	55	57	61	63
DIMENSIONS (mm)		Width x Depth x Height	900 x 732 x 250	900 x 732 x 250	1100 x 732 x 250	1100 x 732 x 250	1400 x 732 x 250	1400 x 732 x 250
WEIGHT (kg)			26	28	33	33	41	43
ELECTRICAL SUPPLY			Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)			6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores			4	4	4	4	4	4

PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP35VKA	PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA	PUHZ-ZRP100VKA	PUHZ-ZRP125VKA	PUHZ-ZRP140VKA
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		46 / 44	46 / 44	48 / 47	48 / 47	51 / 49	52 / 50	52 / 50
SOUND POWER LEVEL (dBA) Heating/Cooling		65	65	67	67	69	70	70
WEIGHT (kg)		43	46	67	67	116	116	119
DIMENSIONS (mm)		Width x Depth x Height	809 x 300 x 630	809 x 300 x 630	950 x 330 + 30 x 943	950 x 330 + 30 x 943	1050 x 330 + 30 x 1338	1050 x 330 + 30 x 1338
ELECTRICAL SUPPLY			220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE			Single	Single	Single	Single	Single	Single
SYSTEM POWER		Heating/Cooling (nominal)	0.95 / 0.89	1.50 / 1.44	1.79 / 1.65	2.03 / 2.01	2.60 / 2.63	3.63 / 4.05
INPUT (kW)		Heating/Cooling (UK)	0.79 / 0.81	1.28 / 1.28	1.47 / 1.52	1.79 / 1.73	2.34 / 2.21	3.60 / 3.09
STARTING CURRENT (A)			4.0	5.0	5.0	6.0	12.0	12.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]			4.45 / 4.18 [14.1]	7.65 / 7.09 [14.4]	9.76 / 8.68 [20.6]	9.56 / 8.64 [21.0]	12.53 / 12.55 [29.2]	17.95 / 18.9 [29.3]
FUSE RATING (BS88) - HRC (A)			16	16	25	25	32	32
MAINS CABLE No. Cores			3	3	3	3	3	3
MAX PIPE LENGTH (m)			50	50	50	50	75	75
MAX HEIGHT DIFFERENCE (m)			30	30	30	30	30	30
CHARGE R410A (kg) - 30m			2.2	2.4	3.5	3.5	5.0	5.0



Accessories

Outdoor Units

PAC-SJ07SG

Air outlet guide for PUHZ-ZRP35-50VKA

PAC-SG59SG

Air outlet guide for PUHZ-ZRP60-71VHA

PAC-SH96SG

Air outlet guide for PUHZ-ZRP100-140VKA

System Control Units

PAC-SA89TA

Remote on/off adaptor

PAC-SA88HA

Run/fault adapter

PAC-SE41TS

Remote sensor

MAC-557IF

MELCloud WiFi interface

PAC-SJ19MA

A/M-NET adaptor for PUHZ-ZRP35-50VKA

PAC-SF83MA

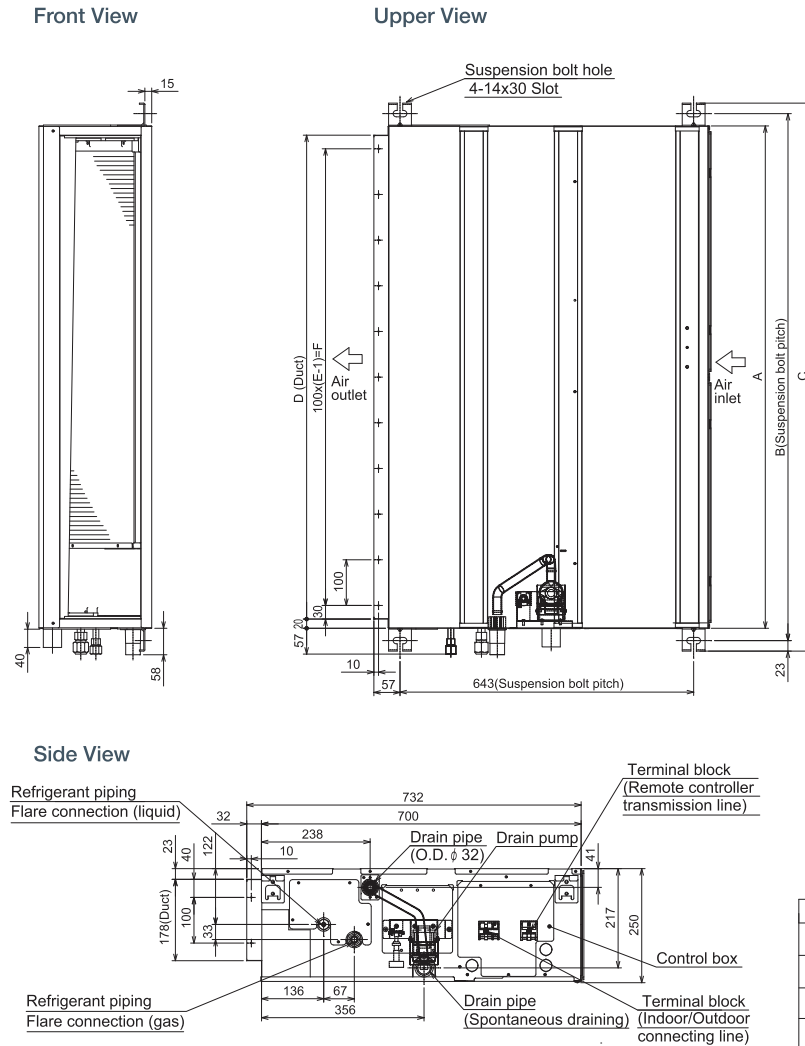
A/M-NET adaptor for PUHZ-ZRP60-140VHA(VKA)

PAR-31MAA

Remote controller

Product Dimensions

PEAD-RP35/50/60/71/100/125/140JAQ



Model	A	B	C	D	E	F
PEAD-RP35,50JAQ	900	954	1000	860	9	800
PEAD-RP60,71JAQ	1100	1154	1200	1060	11	1000
PEAD-RP100,125JAQ	1400	1454	1500	1360	14	1300
PEAD-RP140JAQ	1600	1654	1700	1560	16	1500

Note: additional accessories are available, please see the Optional Extras page at the end of this section for the full range.

PEAD-RP Power Inverter Heat Pump (Three Phase)

Ceiling Concealed
Ducted System



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Key Features

- Reduced height - entire range only 250mm
- Wider range of external static pressure settings across entire range
- Drain pump included as standard



PEAD-RP - INDOOR UNITS		PEAD-RP100JAQ	PEAD-RP125JAQ	PEAD-RP140JAQ
CAPACITY (kW)	Heating (nominal)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (5.7-18.0)
	Cooling (nominal)	10.0 (4.9-11.4)	12.5 (5.5-14.0)	13.4 (6.2-15.3)
	Heating (UK)	9.5 (3.85-11.9)	11.9 (4.25-13.6)	13.6 (4.85-15.3)
	Cooling (UK)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	12.3 (5.7-14.1)
SHF (nominal & UK)		0.82	0.84	0.84
COP / EER (nominal)		4.31 / 3.80	3.86 / 3.09	3.81 / 3.07
SCOP / SEER (BS EN14825)		4.2 / 5.5	3.8 / 4.8	3.6 / 4.2
ErP ENERGY EFFICIENCY CLASS		A+ / A	N/A	N/A
AIRFLOW (m³/min)		24-29-34	29.5-33.5-42	32-39-46
PIPE SIZE mm (in)	Gas	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Liquid	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
EXTERNAL STATIC PRESSURE (Pa)		35-50-70-100-150	35-50-70-100-150	35-50-70-100-150
SOUND PRESSURE LEVEL (dBA)		29-34-38	33-36-40	34-38-43
SOUND POWER LEVEL (dBA)		61	63	66
DIMENSIONS (mm)		1400 x 732 x 250	1400 x 732 x 250	1600 x 732 x 250
WEIGHT (kg)		41	43	47
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4

PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP100YKA Three Phase	PUHZ-ZRP125YKA Three Phase	PUHZ-ZRP140YKA Three Phase
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		51 / 49	52 / 50	52 / 50
SOUND POWER LEVEL (dBA) Cooling		69	70	70
WEIGHT (kg)		124	126	132
DIMENSIONS (mm) Width x Depth x Height		1050 x 330 + 30 x 1338	1050 x 330 + 30 x 1338	1050 x 330 + 30 x 1338
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three	Three
SYSTEM POWER Heating/Cooling (nominal)		2.60 / 2.63	3.63 / 4.05	4.20 / 4.36
INPUT (kW) Heating/Cooling (UK)		2.34 / 2.21	3.60 / 3.09	3.88 / 3.57
STARTING CURRENT (A)		4.0	4.0	4.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		5.45 / 5.52 [10.7]	7.83 / 8.24 [12.3]	9.63 / 9.21 [13.8]
FUSE RATING (BS88) - HRC (A)		16	16	16
MAINS CABLE No. Cores		5	5	5
MAX PIPE LENGTH (m)		75	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30
CHARGE R410A (kg) - 30m		5.0	5.0	5.0

③ Three Phase



Accessories

Outdoor Units

PAC-SH96SG

Air outlet guide for PUHZ-ZRP100-140YKA

System Control Units

PAC-SA89TA

Remote on/off adaptor

PAC-SA88HA

Run/fault adapter

PAC-SE41TS

Remote sensor

MAC-557IF

MELCloud WiFi interface

PAC-SF83MA

A/M-NET adaptor for PUHZ-ZRP100-140YKA

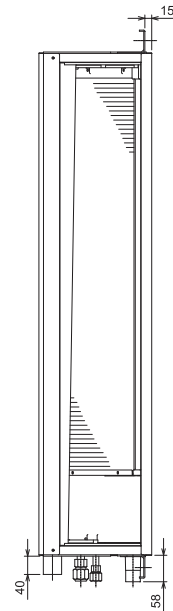
PAR-31MAA

Remote controller

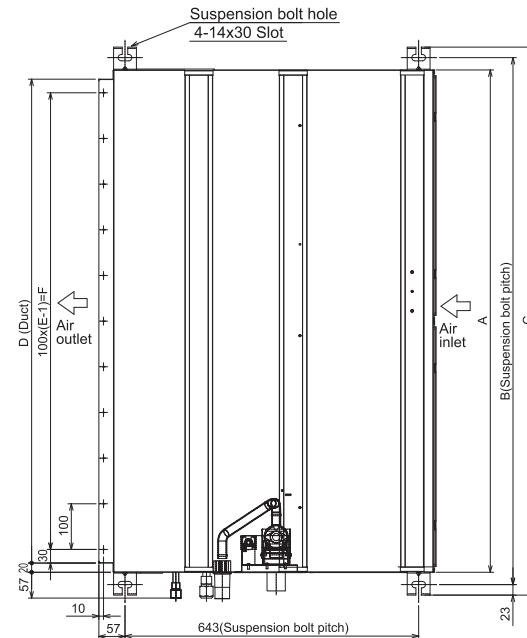
Product Dimensions

PEAD-RP100/125/140JAQ

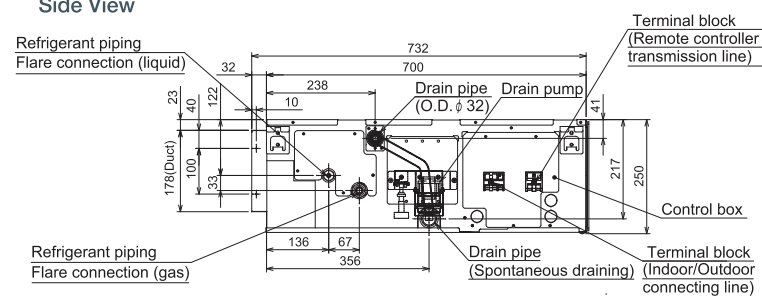
Front View



Upper View



Side View



Model	A	B	C	D	E	F
PEAD-RP100,125JAQ	1400	1454	1500	1360	14	1300
PEAD-RP140JAQ	1600	1654	1700	1560	16	1500

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