



## PEAD-RP Power Inverter Heat Pump

### Ceiling Concealed Ducted System (Single Phase)

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

- Auto-Restart
- Quiet operation
- Auto-Changeover
- Hot Start - draught prevention
- Factory charged refrigerant up to 30m
- Long-life filter
- Low unit height - minimal intrusion into occupied space
- Drain lift pump as standard
- High external static pressure
- Replace Technology available
- Refrigerant volume check function
- Demand Control
- Noise Reduction
- Optional Heating Only



# Air Conditioning

## Product Information

### PEAD-RP Power Inverter Heat Pump Ceiling Concealed Ducted System (Single Phase)

Making a  
World of  
Difference



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
EP ENERGY EFFICIENCY CLASS	Heating/Cooling	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	32-39-46
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	34-38-43
SOUND POWER LEVEL (dBA)		52	57	55	57	61	63	66
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	1600 x 732 x 250
WEIGHT (kg)		26	28	33	33	41	43	47
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	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores		4	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	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	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single	Single
SYSTEM POWER INPUT (kW)	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	4.20 / 4.36
	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	3.88 / 3.57
STARTING CURRENT (A)		4.0	5.0	5.0	6.0	12.0	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]	22.69 / 21.28 [30.8]
FUSE RATING (BS88) - HRC (A)		16	16	25	25	32	32	40
MAINS CABLE No. Cores		3	3	3	3	3	3	3
MAX PIPE LENGTH (m)		50	50	50	50	75	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30	30
CHARGE R410A (kg) - 30m		2.2	2.4	3.5	3.5	5.0	5.0	5.0



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