

# PEAD-M R32 Ceiling Concealed Ducted System

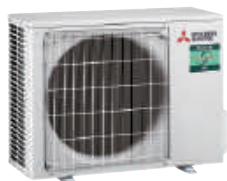
## Power Inverter Heat Pump (Single Phase)

The **PEAD-M 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 extended pipe runs, this range is extremely flexible.

### Key Features

- Entire range only 250mm in height
- Wider range of external static pressure settings
- Drain pump included as standard
- Full heating capacity down to -3°C
- 100m pipe run (Size 100-140)
- Replace Technology available

**R32**



PEAD-M - INDOOR UNITS		PEAD-M35JA	PEAD-M50JA	PEAD-M60JA	PEAD-M71JA	PEAD-M100JA	PEAD-M125JA	PEAD-M140JA
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)	9.5 (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)		0.85	0.84	0.83	0.83	0.82	0.84	0.84
COP / EER (nominal)		4.47 / 4.30	4.57 / 4.16	4.33 / 4.04	4.14 / 3.82	4.31 / 4.18	4.18 / 3.75	4.03 / 3.69
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		3.9 / 5.8	4.3 / 6.2	4.0 / 6.1	3.9 / 5.8	4.1 / 6.2	3.9 (153.2%) / 5.8 (235.8%)	4.0 (157.4%) / 5.7 (231.1%)
ERP ENERGY EFFICIENCY CLASS		Heating/Cooling	A / A+	A+ / A++	A / A+	A+ / A++	-	-
AIRFLOW (l/s)		Lo-Mi-Hi	167-200-233	200-242-283	242-300-350	292-350-417	400-483-567	492-592-700
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")
		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")
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
SOUND PRESSURE LEVEL (dBA)		Lo-Mi-Hi	23-27-30	26-31-35	25-29-33	26-30-34	29-34-38	33-36-40
SOUND POWER LEVEL (dBA)			54	59	55	58	62	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
WEIGHT (kg)			26	27	30	30	39	44
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
WIRED REMOTE CONTROLLER REFERENCE			PAR-40MAA	PAR-40MAA	PAR-40MAA	PAR-40MAA	PAR-40MAA	PAR-40MAA

PUZ-ZM - OUTDOOR UNITS		PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHAR1	PUZ-ZM100VKAR1	PUZ-ZM125VKAR2	PUZ-ZM140VKAR2
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	46 / 44	46 / 44	49 / 47	49 / 47	51 / 49	52 / 50	52 / 50
	Cooling	65	65	67	67	69	70	70
WEIGHT (kg)		46	46	70	70	116	116	118
DIMENSIONS (mm)		Width x Depth x Height	809 x 300 x 630	809 x 300 x 630	950 x 330 + 25 x 943	950 x 330 + 25 x 943	1050 x 330 + 40 x 1338	1050 x 330 + 40 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 INPUT (kW)	Heating/Cooling (nominal)	0.917 / 0.837	1.312 / 1.201	1.616 / 1.509	1.932 / 1.858	2.598 / 2.272	3.349 / 3.333	3.970 / 3.631
	Heating/Cooling (UK)	0.76 / 0.76	1.11 / 1.06	1.32 / 1.39	1.7 / 1.59	2.07 / 1.95	2.68 / 2.86	3.16 / 3.11
STARTING CURRENT (A)		5.0	5.0	6.0	6.0	13.0	13.0	13.0
SYSTEM RUNNING CURRENT (A)		Heating/Cooling [MAX]	4.17 / 3.89 [4.1]	5.55 / 5.07 [14.4]	6.68 / 6.16 [20.5]	7.85 / 7.45 [21]	10.54 / 9.07 [29.2]	13.21 / 13.10 [29.3]
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	55	55	100	100	100
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO <sub>2</sub> EQUIVALENT (t)		R32 (GWP 675) - 30m	2.0 / 1.35	2.00 / 1.35	2.80 / 1.89	2.80 / 1.89	4.00 / 2.70	4.00 / 2.70
MAX ADDITIONAL REFRIGERANT (kg) / CO <sub>2</sub> EQUIVALENT (t)		R32 (GWP 675)	0.30 / 0.20	0.30 / 0.20	0.80 / 0.54	0.80 / 0.54	2.80 / 1.89	2.80 / 1.89