PEDZ-RP JA SERIES

POWER INVERTER

Demand Control (Optional) | Long Life | Check! | AUTO | ACO | Auto Restart | Low Temp Cooling | Silent | Ampere Limit (60-140V/200/250) | Rotation Back-up | Centralised On/Off (Optional) | Group Control | M-NET connection (Optional) | COMPO

Cleaning the pipe right | Wiring Reuse (Optional) | Drain Lift Up (JA) | Pump Down | Flare connection | Self Diagnosis | Failure Recall

Type					Inverter Heat Pump									
Indoor Unit					PEAD-RP35JA(L)	PEAD-RP50JA(L)	PEAD-RP60JA(L)	PEAD-RP71JA(L)	PEAD-RP100JA(L)		PEAD-RP125JA(L)		PEAD-RP140JA(L)	
Outdoor Unit					PUHZ-RP35VHA4	PUHZ-RP50VHA4	PUHZ-RP60VHA4	PUHZ-RP71VHA4	PUHZ-RP100VKA	PUHZ-RP100YKA	PUHZ-RP125VKA	PUHZ-RP125YKA	PUHZ-RP140VKA	PUHZ-RP140YKA
Power Supply	Source				Outdoor power supply									
	Outdoor (V/Phase/Hz)				VHA • VKA:230 / Single / 50, YHA:400 / Three / 50									
	Indoor (V/Phase/Hz)				–									
Cooling	Capacity	Rated		kW	3.6	5.0	6.0	7.1	10.0	10.0	12.5	12.5	14.0	14.0
		Min - Max		kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.3	6.2 - 15.3
	Total Input	Rated		kW	1.02(1.00)	1.55(1.53)	1.60(1.58)	2.03(2.01)	2.77(2.75)	2.77(2.75)	3.86(3.84)	3.86(3.84)	4.36(4.34)	4.36(4.34)
	EER				3.53(3.60)	3.23(3.27)	3.75(3.80)	3.50(3.53)	3.61(3.64)	3.61(3.64)	3.24(3.26)	3.24(3.26)	3.21(3.23)	3.21(3.23)
		EEL Rank			A	A	A	A	A	A	A	A	A	A
Heating	Capacity	Rated		kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
		Min - Max		kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
	Total Input	Rated		kW	1.100	1.560	1.750	2.000	2.720	2.720	3.500	3.500	4.040	4.040
	COP				3.73	3.85	4.00	4.00	4.12	4.12	4.00	4.00	3.96	3.96
		EEL Rank			A	A	A	A	A	A	A	A	A	A
Operating Current (max)					14.1	14.4	20.6	21.0	29.2	10.7	29.3	12.3	30.8	13.8
Indoor Unit	Input [Cooling / Heating]		Rated	kW	0.09(0.07) / 0.07	0.11(0.09) / 0.09	0.12(0.10) / 0.10	0.17(0.15) / 0.15	0.25(0.23) / 0.23	0.25(0.23) / 0.23	0.36(0.34) / 0.34	0.36(0.34) / 0.34	0.39(0.37) / 0.37	0.39(0.37) / 0.37
	Operating Current (max)			A	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78
	Dimensions	H x W x D		mm	250 - 900 - 732	250 - 900 - 732	250 - 1100 - 732	250 - 1100 - 732	250 - 1400 - 732	250 - 1400 - 732	250 - 1400 - 732	250 - 1400 - 732	250 - 1600 - 732	250 - 1600 - 732
	Weight			kg	26(25)	28(27)	33(32)	33(32)	41(40)	41(40)	43(42)	43(42)	47(46)	47(46)
	Air Volume [Lo-Mid-Hi]			m^3/min	10.0 - 12.0 - 14.0	12.0 - 14.5 - 17.0	14.5 - 18.0 - 21.0	17.5 - 21.0 - 25.0	24.0 - 29.0 - 34.0	24.0 - 29.0 - 34.0	29.5 - 35.5 - 42.0	29.5 - 35.5 - 42.0	32.0 - 39.0 - 46.0	32.0 - 39.0 - 46.0
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150									
	Sound Level [Lo-Mid-Hi]			dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34	29 - 34 - 38	29 - 34 - 38	33 - 36 - 40	33 - 36 - 40	34 - 38 - 43	34 - 38 - 43
	Breaker Size			A	–	–	–	–	–	–	–	–	–	–
Outdoor Unit	Dimensions	H x W x D		mm	600 - 800 - 300(+23)		943 - 950 - 330(+30)		1338 - 1050 - 330 (+30)					
	Weight			kg	42	42	67	67	116	124	116	126	118	132
	Air Volume	Cooling	Rated	m^3/min	35.0	35.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0	120.0
		Heating	Rated	m^3/min	35.0	35.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0	120.0
	Sound Level	Cooling - Silent	Rated	dB(A)	44 - 41	44 - 41	47 - 44	47 - 44	49 - 46	49 - 46	50 - 47	50 - 47	50 - 47	50 - 47
		Heating	Rated	dB(A)	46	46	48	48	51	51	52	52	52	52
	Operating Current (max)			A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	11.0
	Breaker Size			A	16	16	25	25	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid / Gas		mm	6.35 / 12.7		9.52 / 15.88							
	Max. Length	Out-In		m	50	50	50	50	75	75	75	75	75	75
	Max. Height	Out-In		m	30	30	30	30	30	30	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling*		℃	-5 ~ +46									
		Heating		℃	-11 ~ +21		-20 ~ +21							

* With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15℃ is possible.

PEDZ-P JA SERIES

STANDARD INVERTER

Demand Control (PUHZ, Optional) | Long Life | Check! | AUTO | ACO | Auto Restart | Low Temp Cooling | Silent (PUHZ) | Rotation Back-up (PUHZ) | Centralised On/Off (PUHZ, Optional) | Group Control (PUHZ) | Group Control (SUZ, Optional) | M-NET connection (Optional) | COMPO (PUHZ)

Wiring Reuse (PUHZ, Optional) | Drain Lift Up (JA) | Pump Down (PUHZ) | Flare connection | Self Diagnosis | Failure Recall

Type					Inverter Heat Pump									
Indoor Unit					PEAD-RP35JA(L)	PEAD-RP50JA(L)	PEAD-RP60JA(L)	PEAD-RP71JA(L)	PEAD-RP100JA(L)		PEAD-RP125JA(L)		PEAD-RP140JA(L)	
Outdoor Unit					SUZ-KA35VA	SUZ-KA50VA	SUZ-KA60VA	SUZ-KA71VA	PUHZ-P100VHA3	PUHZ-P100YHA*2	PUHZ-P125VHA3	PUHZ-P125YHA*2	PUHZ-P140VHA3	PUHZ-P140YHA*2
Power Supply	Source				Outdoor power supply									
	Outdoor (V/Phase/Hz)				KA • VHA:230 / Single / 50, YHA:400 / Three / 50									
	Indoor (V/Phase/Hz)				–									
Cooling	Capacity	Rated		kW	3.6	4.9	5.7	7.1	9.4	9.4	12.3	12.3	13.6	13.6
		Min - Max		kW	1.0 - 3.9	1.1 - 5.6	1.1 - 6.3	0.9 - 8.1	4.9 - 11.2	4.9 - 11.2	5.5 - 14.0	5.5 - 14.0	5.5 - 15.0	5.5 - 15.0
	Total Input	Rated		kW	1.06(1.04)	1.52(1.50)	1.68(1.66)	2.21(2.19)	3.04(3.02)	3.04(3.02)	4.22(4.20)	4.22(4.20)	4.52(4.50)	4.52(4.50)
	EER				3.40(3.46)	3.22(3.27)	3.39(3.43)	3.21(3.24)	3.09(3.11)	3.09(3.11)	2.91(2.93)	2.91(2.93)	3.01(3.02)	3.01(3.02)
		EEL Rank			A	A	A	A	B	B	C	C	B	B
Heating	Capacity	Rated		kW	4.1	5.9	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
		Min - Max		kW	0.9 - 5.0	0.9 - 7.2	0.9 - 8.0	0.9 - 10.2	4.5 - 12.5	4.5 - 12.5	5.0 - 16.0	5.0 - 16.0	5.0 - 18.0	5.0 - 18.0
	Total Input	Rated		kW	1.11	1.62	1.94	2.09	3.10	3.10	3.87	3.87	4.43	4.43
	COP				3.69	3.64	3.61	3.83	3.61	3.61	3.62	3.62	3.61	3.61
		EEL Rank			A	A	A	A	A	A	A	A	A	A
Operating Current (max)					10.3	17.4	17.6	18.0	30.7	15.7	30.8	15.8	32.3	15.8
Indoor Unit	Input [Cooling / Heating]		Rated	kW	0.09(0.07) / 0.07	0.11(0.09) / 0.09	0.12(0.10) / 0.10	0.17(0.15) / 0.15	0.25(0.23) / 0.23		0.36(0.34) / 0.34		0.39(0.37) / 0.37	
	Operating Current (max)			A	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78
	Dimensions	H x W x D		mm	250 - 900 - 732		250 - 1100 - 732		250 - 1400 - 732				250 - 1600 - 732	
	Weight			kg	26(25)	28(27)	33(32)	33(32)	41(40)	41(40)	43(42)	43(42)	47(46)	47(46)
	Air Volume [Lo-Mid-Hi]			m^3/min	10.0 - 12.0 - 14.0	12.0 - 14.5 - 17.0	14.5 - 18.0 - 21.0	17.5 - 21.0 - 25.0	24.0 - 29.0 - 34.0		29.5 - 35.5 - 42.0		32.0 - 39.0 - 46.0	
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150									
	Sound Level [Lo-Mid-Hi]			dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34	29 - 34 - 38	29 - 34 - 38	33 - 36 - 40	33 - 36 - 40	34 - 38 - 43	34 - 38 - 43
	Breaker Size			A	–	–	–	–	–	–	–	–	–	–
Outdoor Unit	Dimensions	H x W x D		mm	550 - 800 - 285	850 - 840 - 330			943 - 950 - 330(+30)		1350 - 950 - 330(+30)			
	Weight			kg	37	53	53	58	75	77	99	101	99	101
	Air Volume	Cooling	Rated	m^3/min	33.4	49.0	49.0	49.0	60.0	60.0	100.0	100.0	100.0	100.0
		Heating	Rated	m^3/min	33.4	49.0	49.0	49.0	60.0	60.0	100.0	100.0	100.0	100.0
	Sound Level	Cooling - Silent	Rated	dB(A)	47	53	53	53	50 - 47	50 - 47	51 - 48	51 - 48	52 - 49	52 - 49
		Heating	Rated	dB(A)	48	55	55	55	54	54	55	55	56	56
	Operating Current (max)			A	9.2	16.0	16.0	16.0	28.0	13.0	28.0	13.0	29.5	13.0
	Breaker Size			A	16	20	20	20	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid / Gas		mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88						
	Max. Length	Out-In		m	20	30			50					
	Max. Height	Out-In		m	12	30			30					
Guaranteed Operating Range [Outdoor]		Cooling		℃	-10 ~ +46	-15 ~ +43			-5*1 ~ +46					
		Heating		℃	-10 ~ +24				-15 ~ +21					

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15℃ is possible.
*2 PUHZ-P·YHA is designed for commercial and light-industrial applications.

PEZ-RP SERIES

POWER INVERTER

Type					Inverter Heat Pump			
Indoor Unit					PEA-RP200GA	PEA-RP250GA	PEA-RP400GA	PEA-RP500GA
Outdoor Unit					PUHZ-RP200YKA	PUHZ-RP250YKA	PUHZ-RP250YKA x 2	PUHZ-RP250YKA x 2
Power Supply	Source				Indoor / outdoor separate power supply			
	Outdoor (V/Phase/Hz)				400 / Three / 50			
	Indoor (V/Phase/Hz)				400 / Three / 50			
Cooling	Capacity	Rated		kW	19.0	22.0	38.0	44.0
		Min - Max		kW	9.0 - 22.4	11.2 - 28.0	18.0 - 44.8	22.4 - 56.0
	Total Input	Rated		kW	6.700	8.340	12.950	17.160
	EER				2.84	2.64	2.93	2.56
		EEL Rank			C	D	–	–
Heating	Capacity	Rated		kW	22.4	27.0	44.8	54.0
		Min - Max		kW	9.5 - 25.0	12.5 - 31.5	18.0 - 50.0	25.0- 63.0
	Total Input	Rated		kW	6.500	8.200	12.550	16.880
	COP				3.45	3.29	3.57	3.20
		EEL Rank			B	C	–	–
Operating Current(max)					21.0	23.3	41.8	47.4
Indoor Unit	Input	Rated		kW	1.000	1.180	1.550	2.840
	Operating Current(max)			A	2.0	2.3	3.8	5.4
	Dimensions	H x W x D		mm	400 - 1400 - 634	400 - 1600 - 634	595 - 1947 - 764	595 - 1947 - 764
	Weight			kg	70	77	130	133
	Air Volume [Lo-Hi]			m^3/min	52.0 - 65.0	64.0 - 80.0	120.0	160.0
	External Static Pressure			Pa	150	150	150	150
	Sound Level [Lo-Hi]			dB(A)	48 - 51	49 - 52	52*2	53
	Breaker Size			A	15	15	15	15
Outdoor Unit	Dimensions	H x W x D		mm	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)
	Weight			kg	135	141	135	141
	Air Volume	Cooling	Rated	m^3/min	140.0	140.0	140.0	140.0
		Heating	Rated	m^3/min	140.0	140.0	140.0	140.0
	Sound Level	Cooling - Silent	Rated	dB(A)	58 - 55	58 - 55	58 - 55	58 - 55
		Heating	Rated	dB(A)	59	59	59	59
	Operating Current(max)			A	19.0	21.0	19.0	21.0
	Breaker Size			A	32	32	32	32
Ext. Piping	Diameter	Liquid / Gas		mm	9.52 / 25.4	12.7 / 25.4	9.52 / 25.4	12.7 / 25.4
	Max. Length	Out-In Total		m	100	100	100	100
	Max. Height	Out-In		m	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling*1		℃	-5 ~ +46	-5 ~ +46	-5 ~ +46	-5 ~ +46
		Heating		℃	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15℃ is possible. *2 Hi

PEZ-P SERIES

STANDARD INVERTER

Type					Inverter Heat Pump			
Indoor Unit					PEA-RP200GA	PEA-RP250GA	PEA-RP400GA	PEA-RP500GA
Outdoor Unit					PUHZ-P200YHA3	PUHZ-P250YHA3	PUHZ-P200YHA3 x 2	PUHZ-P250YHA3 x 2
Power Supply	Source				Indoor / outdoor separate power supply			
	Outdoor (V/Phase/Hz)				400 / Three / 50			
	Indoor (V/Phase/Hz)				400 / Three / 50			
Cooling	Capacity	Rated		kW	19.0	22.0	38.0	44.0
		Min - Max		kW	9.0 - 22.4	11.2 - 28.0	18.0 - 44.8	22.4 - 56.0
	Total Input	Rated		kW	7.210	8.440	13.970	17.360
	EER				2.64	2.61	2.72	2.53
		EEL Rank			D	D	–	–
Heating	Capacity	Rated		kW	22.4	27.0	44.8	54.0
		Min - Max		kW	9.5 - 25.0	12.5 - 31.5	19.0 - 50.0	25.0- 63.0
	Total Input	Rated		kW	7.360	8.470	14.270	17.420
	COP				3.04	3.19	3.14	3.10
		EEL Rank			D	D	–	–
Operating Current(max)					21.0	23.3	41.8	47.4
Indoor Unit	Input	Rated		kW	1.000	1.180	1.550	2.840
	Operating Current(max)			A	2.0	2.3	3.8	5.4
	Dimensions	H x W x D		mm	400 - 1400 - 634	400 - 1600 - 634	500 - 1947 - 764	595 - 1947 - 764
	Weight			kg	70	77	130	133
	Air Volume [Lo-Hi]			m^3/min	52.0 - 65.0	64.0 - 80.0	120.0	160.0
	External Static Pressure			Pa	150	150	150	150
	Sound Level [Lo-Hi]			dB(A)	48 - 51	49 - 52	52*2	53
	Breaker Size			A	15	15	15	15
Outdoor Unit	Dimensions	H x W x D		mm	1350 - 950 - 330(+30)	1350 - 950 - 330(+30)	1338 - 1050 - 330(+30)	1350 - 950 - 330(+30)
	Weight			kg	126	133	126	133
	Air Volume	Cooling	Rated	m^3/min	130.0	130.0	130.0	130.0
		Heating	Rated	m^3/min	130.0	130.0	130.0	130.0
	Sound Level	Cooling - Silent	Rated	dB(A)	59 - 56	59 - 56	59 - 56	59 - 56
		Heating	Rated	dB(A)	59	59	59	59
	Operating Current(max)			A	19.0	21.0	19.0	21.0
	Breaker Size			A	32	32	32	32
Ext. Piping	Diameter	Liquid / Gas		mm	9.52 / 25.4	12.7 / 25.4	9.52 / 25.4	12.7 / 25.4
	Max. Length	Out-In Total		m	70	70	70	70
	Max. Height	Out-In		m	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling*1		℃	-5 ~ +46	-5 ~ +46	-5 ~ +46	-5 ~ +46
		Heating		℃	-11 ~ +21	-11 ~ +21	-11 ~ +21	-11 ~ +21

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15℃ is possible. *2 Hi