

PUZ-ZM100/125/140VDA PUZ-ZM100/125/140YDA

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OUTDOOR
UNIT

Combination Table

Indoor unit				Outdoor unit							
				PUZ-ZM100VDA	PUZ-ZM100YDA	PUZ-ZM125VDA	PUZ-ZM125YDA	PUZ-ZM140VDA	PUZ-ZM140YDA		
P series	Ceiling cassette	PLA-ZM	PLA-ZM35EA2								
			PLA-ZM50EA2	×2	×2			×3	×3		
			PLA-ZM60EA2			×2	×2				
			PLA-ZM71EA2					×2	×2		
			PLA-ZM100EA2	×1	×1						
			PLA-ZM125EA2			×1	×1				
			PLA-ZM140EA2					×1	×1		
		PLA-M	PLA-M35EA2								
			PLA-M50EA2	×2	×2			×3	×3		
			PLA-M60EA2			×2	×2				
			PLA-M71EA2					×2	×2		
			PLA-M100EA2	×1	×1						
			PLA-M125EA2			×1	×1				
			PLA-M140EA2					×1	×1		
	Wall mounted	PKA-M	PKA-M35LA(L)2								
			PKA-M50LA(L)2	×2	×2			×3	×3		
			PKA-M60KA(L)2			×2	×2				
			PKA-M71KA(L)2					×2	×2		
			PKA-M100KA(L)2	×1	×1						
	Ceiling suspended	PCA-M	PCA-M35KA2								
			PCA-M50KA2	×2	×2			×3	×3		
			PCA-M60KA2			×2	×2				
			PCA-M71KA2					×2	×2		
			PCA-M100KA2	×1	×1						
			PCA-M125KA2	×1	×1	×1	×1				
	PCA-M140KA2					×1	×1				
	Ceiling suspended for kitchen	PCA-M HA	PCA-M71HA2					×2	×2		
	Floor standing	PSA-M	PSA-M71KA					×2	×2		
			PSA-M100KA	×1	×1						
			PSA-M125KA			×1	×1				
			PSA-M140KA					×1	×1		
	Ceiling concealed	PEAD-M	PEAD-M35JA(L)2								
			PEAD-M50JA(L)2	×2	×2			×3	×3		
			PEAD-M60JA(L)2			×2	×2				
			PEAD-M71JA(L)2					×2	×2		
			PEAD-M100JA(L)2	×1	×1						
			PEAD-M125JA(L)2			×1	×1				
			PEAD-M140JA(L)2					×1	×1		
S series	Ceiling cassette	SLZ-M	SLZ-M25FA2								
			SLZ-M35FA2	×3	×3	×4	×4	×4	×4		
			SLZ-M50FA2	×2	×2	×3	×3	×3	×3		
			SLZ-M60FA2			×2	×2				
	Ceiling concealed	SEZ-M	SEZ-M25DA(L)2								
			SEZ-M35DA(L)2	×3	×3	×4	×4	×4	×4		
			SEZ-M50DA(L)2	×2	×2	×3	×3	×3	×3		
			SEZ-M60DA(L)2			×2	×2				
			SEZ-M71DA(L)2								
	Floor standing	SFZ	SFZ-M25VA								
			SFZ-M35VA								
			SFZ-M50VA								
			SFZ-M60VA								
SFZ-M71VA											

Combination Table

Indoor unit				Outdoor unit					
M series	1-way Cassette	MLZ	MLZ-KP25VF	PUZ-ZM100VDA	PUZ-ZM100YDA	PUZ-ZM125VDA	PUZ-ZM125YDA	PUZ-ZM140VDA	PUZ-ZM140YDA
			MLZ-KP35VF						
			MLZ-KP50VF						
			MLZ-KP25VG						
			MLZ-KP35VG						
			MLZ-KP50VG						
	Floor standing	MFZ	MFZ-KT25VG						
			MFZ-KT35VG						
			MFZ-KT50VG						
			MFZ-KT60VG						

1 SPECIFICATIONS

Indoor Unit				PLA-ZM100EA2	PLA-ZM125EA2	PLA-ZM140EA2
Outdoor Unit				PUZ-ZM100VDA	PUZ-ZM125VDA	PUZ-ZM140VDA
Refrigerant				R32	R32	R32
Power supply				Outdoor power supply	Outdoor power supply	Outdoor power supply
	Out	Source	V	230	230	230
			Phase	Single	Single	Single
			Hz	50	50	50
	In	Source	V	-	-	-
			Phase	-	-	-
			Hz	-	-	-
Cooling	Capacity	Rated	kW	9.5	12.5	13.4
		Min.	kW	4.9	5.1	5.4
		Max.	kW	11.4	14.0	15.0
	SHF	Rated		0.77	0.70	0.70
	Total Input	Rated	kW	2.160	3.473	3.622
	EER			4.40	3.60	3.70
	Annual electricity consumption		kWh/a	426	609	658
	SEER			7.8	-	-
	Energy efficiency class			A++	-	-
	η sc		%	-	296.2	292.8
Heating	Capacity	Rated	kW	11.2	14.0	16.0
		Min.	kW	2.7	3.2	3.7
		Max.	kW	14.0	16.0	18.0
	Total Input	Rated	kW	2.667	3.889	4.572
	COP			4.20	3.60	3.50
	Annual electricity consumption		kWh/a	2273	2752	3203
	SCOP			4.8	-	-
	Energy efficiency class			A++	-	-
	η sh		%	-	186.2	182.3
	Operating Current(Max)		A	27.0	27.0	30.7
Indoor Unit	Input	cooling/Heating	Rated	kW	0.07 / 0.07	0.08 / 0.08
		Operating Current(Max)	A	0.47	0.52	0.66
	Dimensions	H × W × D	mm	298-840-840	298-840-840	298-840-840
	<Panel>			<40-950-950>	<40-950-950>	<40-950-950>
	Weight <Panel>		kg	26 <5>	26 <5>	26 <5>
	Air Volume	Lo-Mi2-Mi1-Hi	m3/min	19-22-25-28	21-24-26-29	24-26-29-32
	External Static Pressure		Pa	0	0	0
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi	dB(A)	31-34-37-40	33-36-39-41	36-39-42-44
	Sound Level (PWL)	Cooling	dB(A)	61	62	65
	Sound Level (PWL)	Heating	dB(A)	61	62	65
Outdoor Unit	Dimensions	H × W × D	mm	870-1100-460	870-1100-460	870-1100-460
	Weight		kg	107	107	107
	Air Volume	Cooling	Rated	m3/min.	80	84
		Heating	Rated	m3/min.	58	77
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	47
			Silent	dB(A)	42	45
		Heating	Rated	dB(A)	48	50
	Sound Level (PWL)	Cooling	dB(A)	63	66	68
	Operating Current(Max)		A	26.5	26.5	30.0
	Breaker Size		A	32	32	40
Ext.Piping	Diameter (*2)	Liquid	mm	9.52	9.52	9.52
		Gas	mm	15.88	15.88	15.88
	Max.Length	Out-In	m	100	100	100
	Max.Height	Out-In	m	30	30	30
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20	-20
			Upper limit	°C	46	46
	Heating	Lower limit	°C	-20	-20	-20
		Upper limit	°C	21	21	21

(*1)Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2)Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PLA-ZM100EA2	PLA-ZM125EA2	PLA-ZM140EA2	
Outdoor Unit				PUZ-ZM100YDA	PUZ-ZM125YDA	PUZ-ZM140YDA	
Refrigerant				R32	R32	R32	
Power supply				Outdoor power supply	Outdoor power supply	Outdoor power supply	
	Out		Source	Outdoor power supply	Outdoor power supply	Outdoor power supply	
			V	400	400	400	
			Phase	Three	Three	Three	
	In		Hz	50	50	50	
			V	-	-	-	
			Phase	-	-	-	
Cooling	Capacity	Rated	kW	9.5	12.5	13.4	
		Min.	kW	4.9	5.1	5.4	
		Max.	kW	11.4	14.0	15.0	
	SHF	Rated		0.77	0.70	0.70	
	Total Input	Rated	kW	2.160	3.473	3.622	
	EER			4.40	3.60	3.70	
	Annual electricity consumption	kWh/a		436	619	669	
	SEER			7.6	-	-	
		Energy efficiency class		A++	-	-	
	η _{sc}		%	-	294.1	290.9	
	Heating	Capacity	Rated	kW	11.2	14.0	16.0
Min.			kW	2.7	3.2	3.7	
Max.			kW	14.0	16.0	18.0	
Total Input		Rated	kW	2.667	3.889	4.572	
COP				4.20	3.60	3.50	
Annual electricity consumption		kWh/a		2274	2753	3204	
SCOP				4.8	-	-	
		Energy efficiency class		A++	-	-	
η _{sh}			%	-	186.2	182.3	
Operating Current(Max)			A	8.5	9.5	9.7	
Indoor Unit	Input	cooling/Heating	Rated	kW	0.07 / 0.07	0.08 / 0.08	0.10 / 0.10
	Operating Current(Max)			A	0.47	0.52	0.66
	Dimensions <Panel>	H × W × D	mm	298-840-840 <40-950-950>	298-840-840 <40-950-950>	298-840-840 <40-950-950>	
	Weight <Panel>		kg	26 <5>	26 <5>	26 <5>	
	Air Volume	Lo-Mi2-Mi1-Hi	m3/min	19-22-25-28	21-24-26-29	24-26-29-32	
	External Static Pressure		Pa	0	0	0	
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi	dB(A)	31-34-37-40	33-36-39-41	36-39-42-44	
	Sound Level (PWL)	Cooling	dB(A)	61	62	65	
	Dimensions	H × W × D	mm	870-1100-460	870-1100-460	870-1100-460	
	Weight		kg	114	116	121	
Outdoor Unit	Air Volume	Cooling	Rated	m3/min.	80	84	97
		Heating	Rated	m3/min.	58	77	80
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	47	49
			Silent	dB(A)	42	45	47
		Heating	Rated	dB(A)	48	50	51
				dB(A)	63	66	68
	Sound Level (PWL)	Cooling	dB(A)	63	66	68	
	Operating Current(Max)		A	8.0	9.0	9.0	
	Breaker Size		A	16	16	16	
	Ext.Piping	Diameter (*2)	Liquid	mm	9.52	9.52	9.52
Gas			mm	15.88	15.88	15.88	
Max.Length		Out-In	m	100	100	100	
Max.Height		Out-In	m	30	30	30	
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20	-20	-20
			Upper limit	°C	46	46	46
		Heating	Lower limit	°C	-20	-20	-20
			Upper limit	°C	21	21	21

(*1)Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2)Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PLA-M100EA2	PLA-M125EA2	PLA-M140EA2		
Outdoor Unit				PUZ-ZM100VDA	PUZ-ZM125VDA	PUZ-ZM140VDA		
Refrigerant				R32	R32	R32		
Power supply				Source	Outdoor power supply	Outdoor power supply		
				Out	V	230	230	
				Phase	Single	Single	Single	
				Hz	50	50	50	
				In	V	-	-	
				Phase	-	-	-	
Cooling	Capacity	Rated	kW	9.5	12.5	13.4		
		Min.	kW	4.9	5.1	5.4		
		Max.	kW	11.4	14.0	15.0		
	SHF	Rated		0.77	0.72	0.70		
	Total Input	Rated	kW	2.210	3.572	3.744		
	EER			4.30	3.50	3.58		
	Annual electricity consumption		kWh/a	437	761	726		
	SEER			7.6	-	-		
	Energy efficiency class			A++	-	-		
	η sc		%	-	235.0	263.9		
Heating	Capacity	Rated	kW	11.2	14.0	16.0		
		Min.	kW	2.7	3.2	3.7		
		Max.	kW	14.0	16.0	18.0		
	Total Input	Rated	kW	2.686	4.000	4.572		
	COP			4.17	3.50	3.50		
	Annual electricity consumption		kWh/a	2489	3259	3580		
	SCOP			4.3	-	-		
	Energy efficiency class			A+	-	-		
	η sh		%	-	156.8	162.8		
Operating Current(Max)			A	27.0	27.2	30.7		
Indoor Unit	Input	cooling/Heating	Rated	kW	0.07 / 0.07	0.10 / 0.10	0.10 / 0.10	
	Operating Current(Max)			A	0.46	0.66	0.66	
	Dimensions <Panel>	H × W × D		mm	298-840-840 <40-950-950>	298-840-840 <40-950-950>	298-840-840 <40-950-950>	
	Weight <Panel>			kg	24 <5>	26 <5>	26 <5>	
	Air Volume	Lo-Mi2-Mi1-Hi	m3/min	19-23-26-29	21-25-28-31	24-26-29-32		
	External Static Pressure			Pa	0	0	0	
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi	dB(A)	31-34-37-40	33-37-41-44	36-39-42-44		
	Sound Level (PWL)		Cooling	dB(A)	61	65	65	
	Outdoor Unit			Dimensions	H × W × D	mm	870-1100-460	870-1100-460
Weight				kg	107	107	107	
Air Volume	Cooling	Rated	m3/min.	80	84	97		
	Heating	Rated	m3/min.	58	77	80		
Sound Level (SPL)	Cooling	Rated	dB(A)	44	47	49		
		Silent	dB(A)	42	45	47		
	Heating	Rated	dB(A)	48	50	51		
	Sound Level (PWL)		Cooling	dB(A)	63	66	68	
Operating Current(Max)			A	26.5	26.5	30.0		
Breaker Size			A	32	32	40		
Ext.Piping	Diameter (*2)	Liquid	mm	9.52	9.52	9.52		
		Gas	mm	15.88	15.88	15.88		
	Max.Length	Out-In	m	100	100	100		
	Max.Height	Out-In	m	30	30	30		
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20	-20	-20	
			Upper limit	°C	46	46	46	
		Heating	Lower limit	°C	-20	-20	-20	
			Upper limit	°C	21	21	21	

(*1)Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2)Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PLA-M100EA2	PLA-M125EA2	PLA-M140EA2	
Outdoor Unit				PUZ-ZM100YDA	PUZ-ZM125YDA	PUZ-ZM140YDA	
Refrigerant				R32	R32	R32	
Power supply				Outdoor power supply	Outdoor power supply	Outdoor power supply	
	Out		Source	Outdoor power supply	Outdoor power supply	Outdoor power supply	
			V	400	400	400	
			Phase	Three	Three	Three	
	In		Hz	50	50	50	
			V	-	-	-	
			Phase	-	-	-	
Cooling	Capacity	Rated	kW	9.5	12.5	13.4	
			Min.	kW	4.9	5.1	5.4
			Max.	kW	11.4	14.0	15.0
	SHF	Rated		0.77	0.72	0.70	
	Total Input	Rated	kW	2.210	3.572	3.744	
	EER			4.30	3.50	3.58	
	Annual electricity consumption	kWh/a		448	772	737	
	SEER			7.4	-	-	
		Energy efficiency class		A++	-	-	
	η _{sc}		%	-	233.7	262.4	
	Heating	Capacity	Rated	kW	11.2	14.0	16.0
Min.				kW	2.7	3.2	3.7
Max.				kW	14.0	16.0	18.0
Total Input		Rated	kW	2.686	4.000	4.572	
COP				4.17	3.50	3.50	
Annual electricity consumption		kWh/a		2490	3260	3581	
SCOP				4.3	-	-	
		Energy efficiency class		A+	-	-	
η _{sh}			%	-	156.8	162.8	
Operating Current(Max)			A	8.5	9.7	9.7	
Indoor Unit		Input	cooling/Heating	Rated	kW	0.07 / 0.07	0.10 / 0.10
	Operating Current(Max)			A	0.46	0.66	0.66
	Dimensions	H × W × D	mm	298-840-840	298-840-840	298-840-840	
	<Panel>			<40-950-950>	<40-950-950>	<40-950-950>	
	Weight <Panel>		kg	24 <5>	26 <5>	26 <5>	
	Air Volume	Lo-Mi2-Mi1-Hi	m3/min	19-23-26-29	21-25-28-31	24-26-29-32	
	External Static Pressure		Pa	0	0	0	
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi	dB(A)	31-34-37-40	33-37-41-44	36-39-42-44	
	Sound Level (PWL)	Cooling	dB(A)	61	65	65	
	Dimensions	H × W × D	mm	870-1100-460	870-1100-460	870-1100-460	
	Outdoor Unit	Weight		kg	114	116	121
Air Volume				Cooling	Rated	m3/min.	80
		Heating	Rated	m3/min.	58	77	80
Sound Level (SPL)		Cooling	Rated	dB(A)	44	47	49
			Silent	dB(A)	42	45	47
		Heating	Rated	dB(A)	48	50	51
			Sound Level (PWL)	Cooling	dB(A)	63	66
Operating Current(Max)			A	8.0	9.0	9.0	
Breaker Size			A	16	16	16	
Ext.Piping		Diameter (*2)	Liquid	mm	9.52	9.52	9.52
			Gas	mm	15.88	15.88	15.88
	Max.Length	Out-In	m	100	100	100	
	Max.Height	Out-In	m	30	30	30	
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20	-20	-20
			Upper limit	°C	46	46	46
		Heating	Lower limit	°C	-20	-20	-20
			Upper limit	°C	21	21	21

(*1)Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2)Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PKA-M100KA2	PKA-M100KAL2	PKA-M100KA2	PKA-M100KAL2
Outdoor Unit				PUZ-ZM100VDA	PUZ-ZM100VDA	PUZ-ZM100YDA	PUZ-ZM100YDA
Refrigerant				R32	R32	R32	R32
Power supply				Outdoor power supply	Outdoor power supply	Outdoor power supply	Outdoor power supply
	Out	Source		230	230	400	400
		Phase		Single	Single	Three	Three
		Hz		50	50	50	50
	In	V		-	-	-	-
		Phase		-	-	-	-
		Hz		-	-	-	-
Cooling	Capacity	Rated	kW	9.5	9.5	9.5	9.5
		Min.	kW	4.9	4.9	4.9	4.9
		Max.	kW	11.4	11.4	11.4	11.4
	SHF	Rated		0.73	0.73	0.73	0.73
	Total Input	Rated	kW	2.436	2.436	2.436	2.436
	EER			3.90	3.90	3.90	3.90
	Annual electricity consumption		kWh/a	508	508	519	519
	SEER			6.5	6.5	6.4	6.4
	Energy efficiency class			A++	A++	A++	A++
	η sc		%	-	-	-	-
Heating	Capacity	Rated	kW	11.2	11.2	11.2	11.2
		Min.	kW	2.7	2.7	2.7	2.7
		Max.	kW	14.0	14.0	14.0	14.0
	Total Input	Rated	kW	3.103	3.103	3.103	3.103
	COP			3.61	3.61	3.61	3.61
	Annual electricity consumption		kWh/a	2480	2480	2481	2481
	SCOP			4.4	4.4	4.4	4.4
	Energy efficiency class			A+	A+	A+	A+
	η sh		%	-	-	-	-
Operating Current(Max)			A	27.1	8.6	8.6	
Indoor Unit	Input	cooling/Heating	Rated	kW	0.08 / 0.07	0.08 / 0.07	0.08 / 0.07
	Operating Current(Max)			A	0.57	0.57	0.57
	Dimensions <Panel>	H × W × D		mm	365-1170-295	365-1170-295	365-1170-295
	Weight <Panel>			kg	21	21	21
	Air Volume	Lo-Mi2-Mi1-Hi	m3/min	20-23-26	20-23-26	20-23-26	20-23-26
	External Static Pressure			Pa	0	0	0
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi	dB(A)	41-45-49	41-45-49	41-45-49	41-45-49
	Sound Level (PWL)	Cooling	dB(A)	65	65	65	65
	Outdoor Unit	Dimensions	H × W × D		mm	870-1100-460	870-1100-460
Weight			kg	107	107	114	
Air Volume		Cooling	Rated	m3/min.	80	80	80
		Heating	Rated	m3/min.	58	58	58
Sound Level (SPL)		Cooling	Rated	dB(A)	44	44	44
			Silent	dB(A)	42	42	42
		Heating	Rated	dB(A)	48	48	48
Sound Level (PWL)		Cooling		dB(A)	63	63	63
Operating Current(Max)			A	26.5	26.5	8.0	
Ext.Piping	Breaker Size			A	32	32	16
	Diameter (*2)	Liquid	mm	9.52	9.52	9.52	9.52
		Gas	mm	15.88	15.88	15.88	15.88
	Max.Length	Out-In	m	100	100	100	100
	Max.Height	Out-In	m	30	30	30	30
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20	-20	-20
			Upper limit	°C	46	46	46
		Heating	Lower limit	°C	-20	-20	-20
			Upper limit	°C	21	21	21

(*1)Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2)Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PCA-M100KA2	PCA-M125KA2	PCA-M125KA2	PCA-M140KA2	
Outdoor Unit				PUZ-ZM100VDA	PUZ-ZM100VDA	PUZ-ZM125VDA	PUZ-ZM140VDA	
Refrigerant				R32	R32	R32	R32	
Power supply				Source	Outdoor power supply	Outdoor power supply	Outdoor power supply	
	Out		V	230	230	230	230	
			Phase	Single	Single	Single	Single	
			Hz	50	50	50	50	
	In		V	-	-	-	-	
			Phase	-	-	-	-	
			Hz	-	-	-	-	
Cooling	Capacity	Rated	kW	9.5	9.5	12.5	13.4	
		Min.	kW	4.9	4.9	5.1	5.4	
		Max.	kW	11.4	11.4	14.0	15.0	
	SHF	Rated		0.77	0.86	0.72	0.72	
	Total Input	Rated	kW	2.375	2.318	3.788	3.942	
	EER			4.00	4.10	3.30	3.40	
	Annual electricity consumption		kWh/a	517	516	702	754	
	SEER			6.4	6.4	-	-	
	Energy efficiency class			A++	A++	-	-	
	η sc		%	-	-	252.6	250.9	
Heating	Capacity	Rated	kW	11.2	11.2	14.0	16.0	
		Min.	kW	2.7	2.7	3.2	3.7	
		Max.	kW	14.0	14.0	16.0	18.0	
	Total Input	Rated	kW	3.112	2.948	4.243	4.706	
	COP			3.60	3.80	3.30	3.40	
	Annual electricity consumption		kWh/a	2523	2504	3002	3340	
	SCOP			4.3	4.3	-	-	
	Energy efficiency class			A+	A+	-	-	
	η sh		%	-	-	170.5	174.7	
	Operating Current(Max)			A	27.2	27.3	27.3	30.9
Indoor Unit	Input	cooling/Heating	Rated	kW	0.09 / 0.09	0.11 / 0.11	0.11 / 0.11	0.14 / 0.14
	Operating Current(Max)		A	0.65	0.76	0.76	0.90	
	Dimensions	H × W × D	mm	230-1600-680	230-1600-680	230-1600-680	230-1600-680	
	<Panel>							
	Weight <Panel>		kg	37	38	38	40	
	Air Volume	Lo-Mi2-Mi1-Hi	m3/min	22-24-26-28	23-25-27-29	23-25-27-29	24-26-29-32	
	External Static Pressure		Pa	0	0	0	0	
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi	dB(A)	37-39-41-43	39-41-43-45	39-41-43-45	41-43-45-48	
	Sound Level (PWL)	Cooling	dB(A)	63	65	65	68	
	Cooling							
Outdoor Unit	Dimensions	H × W × D	mm	870-1100-460	870-1100-460	870-1100-460	870-1100-460	
	Weight		kg	107	107	107	107	
	Air Volume	Cooling	Rated	m3/min.	80	80	84	97
		Heating	Rated	m3/min.	58	58	77	80
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44	47	49
		Silent	dB(A)	42	42	45	47	
			Heating	Rated	dB(A)	48	48	50
		Sound Level (PWL)	Cooling		dB(A)	63	63	66
	Operating Current(Max)		A	26.5	26.5	26.5	30.0	
	Breaker Size		A	32	32	32	40	
Ext.Piping	Diameter (*2)	Liquid	mm	9.52	9.52	9.52	9.52	
		Gas	mm	15.88	15.88	15.88	15.88	
	Max.Length	Out-In	m	100	100	100	100	
	Max.Height	Out-In	m	30	30	30	30	
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20	-20	-20	
			Upper limit	°C	46	46	46	
		Heating	Lower limit	°C	-20	-20	-20	
			Upper limit	°C	21	21	21	

(*1)Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2)Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PCA-M100KA2	PCA-M125KA2	PCA-M125KA2	PCA-M140KA2	
Outdoor Unit				PUZ-ZM100YDA	PUZ-ZM100YDA	PUZ-ZM125YDA	PUZ-ZM140YDA	
Refrigerant				R32	R32	R32	R32	
Power supply				Outdoor power supply	Outdoor power supply	Outdoor power supply	Outdoor power supply	
	Out	Source		400	400	400	400	
		V		400	400	400	400	
		Phase		Three	Three	Three	Three	
	In	Hz		50	50	50	50	
		V		-	-	-	-	
		Phase		-	-	-	-	
Cooling	Capacity	Rated	kW	9.5	9.5	12.5	13.4	
		Min.	kW	4.9	4.9	5.1	5.4	
		Max.	kW	11.4	11.4	14.0	15.0	
	SHF	Rated		0.77	0.86	0.72	0.72	
	Total Input	Rated	kW	2.375	2.318	3.788	3.942	
	EER			4.00	4.10	3.30	3.40	
	Annual electricity consumption		kWh/a	528	526	712	764	
	SEER			6.2	6.3	-	-	
	Energy efficiency class			A++	A++	-	-	
	η sc		%	-	-	251.1	249.5	
Heating	Capacity	Rated	kW	11.2	11.2	14.0	16.0	
		Min.	kW	2.7	2.7	3.2	3.7	
		Max.	kW	14.0	14.0	16.0	18.0	
	Total Input	Rated	kW	3.112	2.948	4.243	4.706	
	COP			3.60	3.80	3.30	3.40	
	Annual electricity consumption		kWh/a	2524	2505	3003	3341	
	SCOP			4.3	4.3	-	-	
	Energy efficiency class			A+	A+	-	-	
	η sh		%	-	-	170.4	174.7	
Operating Current(Max)				A	8.7	8.8	9.8	9.9
Indoor Unit	Input	cooling/Heating	Rated	kW	0.09 / 0.09	0.11 / 0.11	0.11 / 0.11	0.14 / 0.14
	Operating Current(Max)			A	0.65	0.76	0.76	0.90
	Dimensions	H × W × D		mm	230-1600-680	230-1600-680	230-1600-680	230-1600-680
	<Panel>							
	Weight <Panel>		kg	37	38	38	40	
	Air Volume	Lo-Mi2-Mi1-Hi		m3/min	22-24-26-28	23-25-27-29	23-25-27-29	24-26-29-32
	External Static Pressure		Pa	0	0	0	0	
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi		dB(A)	37-39-41-43	39-41-43-45	39-41-43-45	41-43-45-48
	Sound Level (PWL)	Cooling		dB(A)	63	65	65	68
Outdoor Unit	Dimensions	H × W × D		mm	870-1100-460	870-1100-460	870-1100-460	870-1100-460
	Weight		kg	114	114	116	121	
	Air Volume	Cooling	Rated	m3/min.	80	80	84	97
		Heating	Rated	m3/min.	58	58	77	80
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44	47	49
			Silent	dB(A)	42	42	45	47
		Heating	Rated	dB(A)	48	48	50	51
			Sound Level (PWL)	Cooling		dB(A)	63	63
	Operating Current(Max)			A	8.0	8.0	9.0	9.0
	Breaker Size			A	16	16	16	16
Ext.Piping	Diameter (*2)	Liquid	mm	9.52	9.52	9.52	9.52	
		Gas	mm	15.88	15.88	15.88	15.88	
	Max.Length	Out-In	m	100	100	100	100	
	Max.Height	Out-In	m	30	30	30	30	
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20	-20	-20	-20
			Upper limit	°C	46	46	46	46
		Heating	Lower limit	°C	-20	-20	-20	-20
			Upper limit	°C	21	21	21	21

(*1)Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2)Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PSA-M100KA		PSA-M125KA		PSA-M140KA			
Outdoor Unit				PUZ-ZM100VDA		PUZ-ZM125VDA		PUZ-ZM140VDA			
Refrigerant				R32		R32		R32			
Power supply				Source		Outdoor power supply		Outdoor power supply			
	Out			V	230		230		230		
				Phase	Single		Single		Single		
				Hz	50		50		50		
	In			V	-		-		-		
				Phase	-		-		-		
				Hz	-		-		-		
Cooling	Capacity	Rated	kW	9.5		12.5		13.4			
		Min.	kW	4.9		5.1		5.4			
		Max.	kW	11.4		14.0		15.0			
	SHF	Rated			0.73		0.72		0.71		
	Total Input	Rated	kW	2.494		4.167		3.977			
	EER				3.81		3.00		3.37		
	Annual electricity consumption			kWh/a	580		835		764		
	SEER				5.7		-		-		
	Energy efficiency class					A+		-		-	
	η sc				%	-		213.0		250.6	
Heating	Capacity	Rated	kW	11.2		14.0		16.0			
		Min.	kW	2.7		3.2		3.7			
		Max.	kW	14.0		16.0		18.0			
	Total Input	Rated	kW	3.295		4.828		5.334			
	COP				3.40		2.90		3.00		
	Annual electricity consumption			kWh/a	2659		3312		3658		
	SCOP				4.1		-		-		
	Energy efficiency class					A+		-		-	
	η sh				%	-		154.3		159.3	
Operating Current(Max)				A	27.2		27.2		30.7		
Indoor Unit	Input	cooling/Heating	Rated	kW	0.11 / 0.11		0.11 / 0.11		0.11 / 0.11		
	Operating Current(Max)			A	0.71		0.73		0.73		
	Dimensions <Panel>	H × W × D		mm	1900-600-360		1900-600-360		1900-600-360		
	Weight <Panel>			kg	46		46		48		
	Air Volume	Lo-Mi2-Mi1-Hi		m3/min	25-28-30		25-28-31		25-28-31		
	External Static Pressure			Pa	0		0		0		
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi		dB(A)	45-49-51		45-49-51		45-49-51		
	Sound Level (PWL)	Cooling		dB(A)	65		66		66		
				Heating	66		66		66		
Outdoor Unit	Dimensions	H × W × D		mm	870-1100-460		870-1100-460		870-1100-460		
	Weight			kg	107		107		107		
	Air Volume	Cooling	Rated	m3/min.	80		84		97		
		Heating	Rated	m3/min.	58		77		80		
	Sound Level (SPL)	Cooling	Rated	dB(A)	44		47		49		
			Silent	dB(A)	42		45		47		
		Heating	Rated	dB(A)	48		50		51		
	Sound Level (PWL)			Cooling	dB(A)		63		66		
	Operating Current(Max)			A	26.5		26.5		30.0		
	Breaker Size			A	32		32		40		
Ext.Piping	Diameter (*2)	Liquid	mm	9.52		9.52		9.52			
		Gas	mm	15.88		15.88		15.88			
	Max.Length	Out-In	m	100		100		100			
	Max.Height	Out-In	m	30		30		30			
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20		-20		-20		
			Upper limit	°C	46		46		46		
		Heating	Lower limit	°C	-20		-20		-20		
			Upper limit	°C	21		21		21		

(*1)Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2)Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PSA-M100KA	PSA-M125KA	PSA-M140KA
Outdoor Unit				PUZ-ZM100YDA	PUZ-ZM125YDA	PUZ-ZM140YDA
Refrigerant				R32	R32	R32
Power supply				Source	Outdoor power supply	Outdoor power supply
				V	400	400
				Phase	Three	Three
				Hz	50	50
				V	-	-
				Hz	-	-
Cooling	Capacity	Rated	kW	9.5	12.5	13.4
		Min.	kW	4.9	5.1	5.4
		Max.	kW	11.4	14.0	15.0
	SHF	Rated		0.73	0.72	0.71
	Total Input	Rated	kW	2.494	4.167	3.977
	EER			3.81	3.00	3.37
	Annual electricity consumption		kWh/a	591	845	769
	SEER			5.6	-	-
	Energy efficiency class			A+	-	-
	η sc		%	-	211.9	250.0
Heating	Capacity	Rated	kW	11.2	14.0	16.0
		Min.	kW	2.7	3.2	3.7
		Max.	kW	14.0	16.0	18.0
	Total Input	Rated	kW	3.295	4.828	5.334
	COP			3.40	2.90	3.00
	Annual electricity consumption		kWh/a	2660	3313	3658
	SCOP			4.1	-	-
	Energy efficiency class			A+	-	-
	η sh		%	-	154.2	159.3
	Operating Current(Max)			A	8.7	9.7
Indoor Unit	Input	cooling/Heating	Rated	kW	0.11 / 0.11	0.11 / 0.11
	Operating Current(Max)			A	0.71	0.73
	Dimensions <Panel>	H × W × D		mm	1900-600-360	1900-600-360
	Weight <Panel>			kg	46	48
	Air Volume	Lo-Mi2-Mi1-Hi		m3/min	25-28-30	25-28-31
	External Static Pressure			Pa	0	0
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi		dB(A)	45-49-51	45-49-51
	Sound Level (PWL)	Cooling		dB(A)	65	66
Outdoor Unit	Dimensions	H × W × D		mm	870-1100-460	870-1100-460
	Weight			kg	114	116
	Air Volume	Cooling	Rated	m3/min.	80	84
		Heating	Rated	m3/min.	58	77
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	47
			Silent	dB(A)	42	45
		Heating	Rated	dB(A)	48	50
	Sound Level (PWL)		Cooling	dB(A)	63	66
	Operating Current(Max)			A	8.0	9.0
Ext.Piping	Breaker Size			A	16	16
	Diameter (*2)	Liquid	mm	9.52	9.52	9.52
		Gas	mm	15.88	15.88	15.88
	Max.Length	Out-In	m	100	100	100
	Max.Height	Out-In	m	30	30	30
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20	-20
			Upper limit	°C	46	46
		Heating	Lower limit	°C	-20	-20
			Upper limit	°C	21	21

(*1) Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2) Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PEAD-M100JA(L)2	PEAD-M125JA(L)2	PEAD-M140JA(L)2				
Outdoor Unit				PUZ-ZM100VDA	PUZ-ZM125VDA	PUZ-ZM140VDA				
Refrigerant				R32	R32	R32				
Power supply		Out		Source	Outdoor power supply	Outdoor power supply	Outdoor power supply			
				V	230	230	230			
				Phase	Single	Single	Single			
		In		Hz	50	50	50			
				V	-	-	-			
				Phase	-	-	-			
Cooling		Capacity		Rated	kW	9.5	12.5	13.4		
				Min.	kW	4.9	5.1	5.4		
				Max.	kW	11.4	14.0	15.0		
		SHF		Rated		0.82	0.78	0.77		
		Total Input		Rated	kW	2.262	3.379	3.702		
		EER				4.20	3.70	3.62		
		Annual electricity consumption		kWh/a	499	680	743			
		SEER			6.6	-	-			
		Energy efficiency class			A++	-	-			
		η sc		%	-	264.1	258.3			
		Heating		Capacity		Rated	kW	11.2	14.0	16.0
						Min.	kW	2.7	3.2	3.7
Max.	kW					14.0	16.0	18.0		
Total Input				Rated	kW	2.546	3.764	4.103		
COP					4.40	3.72	3.90			
Annual electricity consumption				kWh/a	2445	3109	3572			
SCOP					4.4	-	-			
Energy efficiency class					A+	-	-			
η sh				%	-	164.5	163.2			
Operating Current(Max)				A	28.8	28.8	32.6			
Indoor Unit		Input		cooling/Heating	Rated	kW	0.14	0.20	0.21	
		Operating Current(Max)			A	2.25	2.34	2.63		
		Dimensions <Panel>		H × W × D	mm	250 × 1400 × 732	250 × 1400 × 732	250 × 1600 × 732		
		Weight <Panel>			kg	37(36)	38(37)	42(41)		
		Air Volume		Lo-Mi2-Mi1-Hi	m3/min	23.0-28.0-32.0	28.0-34.0-37.0	29.5-35.5-40.0		
		External Static Pressure			Pa	40 - <50> - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>		
		Sound Level (SPL)		Lo-Mi2-Mi1-Hi	dB(A)	31-36-39	35-39-41	34-38-41		
		Sound Level (PWL)		Cooling	dB(A)	62	66	66		
		Dimensions		H × W × D	mm	870-1100-460	870-1100-460	870-1100-460		
		Weight			kg	107	107	107		
Outdoor Unit		Air Volume		Cooling	Rated	m3/min.	80	84	97	
		Heating		Rated	m3/min.	58	77	80		
		Sound Level (SPL)		Cooling	Rated	dB(A)	44	47	49	
					Silent	dB(A)	42	45	47	
		Heating		Rated	dB(A)	48	50	51		
		Sound Level (PWL)		Cooling	dB(A)	63	66	68		
		Operating Current(Max)			A	26.5	26.5	30.0		
		Breaker Size			A	32	32	40		
		Ext.Piping		Diameter (*2)		Liquid	mm	9.52	9.52	9.52
Gas	mm					15.88	15.88	15.88		
Max.Length				Out-In	m	100	100	100		
Max.Height				Out-In	m	30	30	30		
Guaranteed Operating Range(Outdoor)		Out		Cooling (*1)	Lower limit	°C	-20	-20	-20	
					Upper limit	°C	46	46	46	
		Heating		Lower limit	°C	-20	-20	-20		
				Upper limit	°C	21	21	21		

(*1) Optional air protection guide is required where ambient temperature is lower than -5°C .

(*2) Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

Indoor Unit				PEAD-M100JA(L)2	PEAD-M125JA(L)2	PEAD-M140JA(L)2	
Outdoor Unit				PUZ-ZM100YDA	PUZ-ZM125YDA	PUZ-ZM140YDA	
Refrigerant				R32	R32	R32	
Power supply			Source	Outdoor power supply	Outdoor power supply	Outdoor power supply	
			Out	V	400	400	400
			Phase	Three	Three	Three	
			Hz	50	50	50	
			In	V	-	-	-
			Phase	-	-	-	
			Hz	-	-	-	
Cooling	Capacity	Rated	kW	9.5	12.5	13.4	
		Min.	kW	4.9	5.1	5.4	
		Max.	kW	11.4	14.0	15.0	
	SHF	Rated		0.82	0.78	0.77	
	Total Input	Rated	kW	2.262	3.379	3.702	
	EER			4.20	3.70	3.62	
	Annual electricity consumption		kWh/a	509	691	753	
	SEER			6.5	-	-	
	Energy efficiency class			A++	-	-	
	η sc		%	-	262.4	256.8	
Heating	Capacity	Rated	kW	11.2	14.0	16.0	
		Min.	kW	2.7	3.2	3.7	
		Max.	kW	14.0	16.0	18.0	
	Total Input	Rated	kW	2.546	3.764	4.103	
	COP			4.40	3.72	3.90	
	Annual electricity consumption		kWh/a	2446	3110	3573	
	SCOP			4.4	-	-	
	Energy efficiency class			A+	-	-	
	η sh		%	-	164.4	163.1	
Operating Current(Max)			A	10.3	11.3	11.6	
Indoor Unit	Input	cooling/Heating	Rated	kW	0.14	0.20	0.21
	Operating Current(Max)			A	2.25	2.34	2.63
	Dimensions <Panel>	H × W × D		mm	250 × 1400 × 732	250 × 1400 × 732	250 × 1600 × 732
	Weight <Panel>			kg	37(36)	38(37)	42(41)
	Air Volume	Lo-Mi2-Mi1-Hi		m3/min	23.0-28.0-32.0	28.0-34.0-37.0	29.5-35.5-40.0
	External Static Pressure			Pa	40 - <50> - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>
	Sound Level (SPL)	Lo-Mi2-Mi1-Hi		dB(A)	31-36-39	35-39-41	34-38-41
	Sound Level (PWL)	Cooling		dB(A)	62	66	66
	Dimensions			H × W × D	mm	870-1100-460	870-1100-460
Outdoor Unit	Weight			kg	114	116	121
	Air Volume	Cooling	Rated	m3/min.	80	84	97
		Heating	Rated	m3/min.	58	77	80
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	47	49
			Silent	dB(A)	42	45	47
		Heating	Rated	dB(A)	48	50	51
			Sound Level (PWL)	Cooling		dB(A)	63
	Operating Current(Max)			A	8.0	9.0	9.0
	Ext.Piping	Breaker Size			A	16	16
Diameter (*2)		Liquid	mm	9.52	9.52	9.52	
		Gas	mm	15.88	15.88	15.88	
Max.Length		Out-In		m	100	100	100
Max.Height		Out-In		m	30	30	30
Guaranteed Operating Range(Outdoor)	Out	Cooling (*1)	Lower limit	°C	-20	-20	-20
			Upper limit	°C	46	46	46
		Heating	Lower limit	°C	-20	-20	-20
			Upper limit	°C	21	21	21

(*1) Optional air protection guide is required where ambient temperature is lower than -5°C.

(*2) Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

2 PERFORMANCE DATA

COOLING CAPACITY

PLA-ZM100EA2 / PUZ-ZM100VDA, PUZ-ZM100YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	7.184	7.112	0.99	1.584	7.016	6.946	0.99	1.730	6.848	6.780	0.99	1.876
14	8	7.337	6.750	0.92	1.583	7.141	6.570	0.92	1.732	6.945	6.389	0.92	1.880
14	9	7.641	6.418	0.84	1.580	7.436	6.246	0.84	1.736	7.232	6.075	0.84	1.891
16	8	7.485	7.410	0.99	1.581	7.311	7.238	0.99	1.734	7.138	7.067	0.99	1.888
16	9	7.696	6.926	0.90	1.580	7.491	6.742	0.90	1.736	7.286	6.557	0.90	1.893
16	11	8.050	6.601	0.82	1.576	7.834	6.424	0.82	1.740	7.619	6.248	0.82	1.905
18	10	7.794	7.638	0.98	1.578	7.613	7.461	0.98	1.738	7.431	7.282	0.98	1.898
18	11	8.080	7.191	0.89	1.576	7.864	6.999	0.89	1.741	7.647	6.806	0.89	1.906
18	12	8.485	6.788	0.80	1.571	8.255	6.604	0.80	1.744	8.024	6.419	0.80	1.916
20	16	9.405	6.301	0.67	1.728	9.120	6.110	0.67	1.825	8.835	5.919	0.67	1.933
20	18	10.070	5.539	0.55	1.760	9.785	5.382	0.55	1.858	9.453	5.199	0.55	1.987
20	20	10.830	4.657	0.43	1.814	10.593	4.555	0.43	1.901	10.308	4.432	0.43	2.030
22	16	9.405	7.054	0.75	1.728	9.120	6.840	0.75	1.825	8.835	6.626	0.75	1.933
22	18	10.070	6.344	0.63	1.760	9.785	6.165	0.63	1.858	9.453	5.955	0.63	1.987
22	20	10.830	5.523	0.51	1.814	10.593	5.402	0.51	1.901	10.308	5.257	0.51	2.030
24	16	9.405	7.806	0.83	1.728	9.120	7.570	0.83	1.825	8.835	7.333	0.83	1.933
24	18	10.070	7.150	0.71	1.760	9.785	6.947	0.71	1.858	9.453	6.712	0.71	1.987
24	20	10.830	6.390	0.59	1.814	10.593	6.250	0.59	1.901	10.308	6.082	0.59	2.030
24	22	11.543	5.425	0.47	1.858	11.305	5.313	0.47	1.966	11.020	5.179	0.47	2.095
26	16	9.405	8.559	0.91	1.728	9.120	8.299	0.91	1.825	8.835	8.040	0.91	1.933
26	18	10.070	7.955	0.79	1.760	9.785	7.730	0.79	1.858	9.453	7.468	0.79	1.987
26	20	10.830	7.256	0.67	1.814	10.593	7.097	0.67	1.901	10.308	6.906	0.67	2.030
26	22	11.543	6.349	0.55	1.858	11.305	6.218	0.55	1.966	11.020	6.061	0.55	2.095
27	16	9.405	8.935	0.95	1.728	9.120	8.664	0.95	1.825	8.835	8.393	0.95	1.933
27	18	10.070	8.358	0.83	1.760	9.785	8.122	0.83	1.858	9.453	7.846	0.83	1.987
27	20	10.830	7.689	0.71	1.814	10.593	7.521	0.71	1.901	10.308	7.319	0.71	2.030
27	22	11.543	6.810	0.59	1.858	11.305	6.670	0.59	1.966	11.020	6.502	0.59	2.095
28	16	9.405	9.311	0.99	1.728	9.120	9.029	0.99	1.825	8.835	8.747	0.99	1.933
28	18	10.070	8.761	0.87	1.760	9.785	8.513	0.87	1.858	9.453	8.224	0.87	1.987
28	20	10.830	8.123	0.75	1.814	10.593	7.945	0.75	1.901	10.308	7.731	0.75	2.030
28	22	11.543	7.272	0.63	1.858	11.305	7.122	0.63	1.966	11.020	6.943	0.63	2.095
30	16	9.405	9.405	1.00	1.728	9.120	9.120	1.00	1.825	8.835	8.835	1.00	1.933
30	18	10.070	9.567	0.95	1.760	9.785	9.296	0.95	1.858	9.453	8.980	0.95	1.987
30	20	10.830	8.989	0.83	1.814	10.593	8.792	0.83	1.901	10.308	8.556	0.83	2.030
30	22	11.543	8.196	0.71	1.858	11.305	8.027	0.71	1.966	11.020	7.824	0.71	2.095
32	16	9.405	9.405	1.00	1.728	9.120	9.120	1.00	1.825	8.835	8.835	1.00	1.933
32	18	10.070	10.070	1.00	1.760	9.785	9.785	1.00	1.858	9.453	9.453	1.00	1.987
32	20	10.830	9.855	0.91	1.814	10.593	9.640	0.91	1.901	10.308	9.380	0.91	2.030
32	22	11.543	9.119	0.79	1.858	11.305	8.931	0.79	1.966	11.020	8.706	0.79	2.095
34	16	9.405	9.405	1.00	1.728	9.120	9.120	1.00	1.825	8.835	8.835	1.00	1.933
34	18	10.070	10.070	1.00	1.760	9.785	9.785	1.00	1.858	9.453	9.453	1.00	1.987
34	20	10.830	10.722	0.99	1.814	10.593	10.487	0.99	1.901	10.308	10.205	0.99	2.030
34	22	11.543	10.042	0.87	1.858	11.305	9.835	0.87	1.966	11.020	9.587	0.87	2.095

OUTDOOR UNIT
PERFORMANCE DATA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	6.660	6.593	0.99	2.042	6.458	6.393	0.99	2.215	6.291	6.228	0.99	2.385
14	8	6.727	6.189	0.92	2.046	6.505	5.985	0.92	2.219	6.328	5.822	0.92	2.389
14	9	7.007	5.886	0.84	2.063	6.767	5.684	0.84	2.239	6.569	5.518	0.84	2.413
16	8	6.945	6.876	0.99	2.060	6.737	6.670	0.99	2.237	6.565	6.499	0.99	2.412
16	9	7.059	6.353	0.90	2.066	6.819	6.137	0.90	2.243	6.628	5.965	0.90	2.418
16	11	7.384	6.055	0.82	2.083	7.133	5.849	0.82	2.266	6.922	5.676	0.82	2.446
18	10	7.233	7.088	0.98	2.075	7.021	6.881	0.98	2.258	6.843	6.706	0.98	2.438
18	11	7.413	6.598	0.89	2.085	7.161	6.373	0.89	2.267	6.950	6.186	0.89	2.448
18	12	7.779	6.223	0.80	2.102	7.516	6.013	0.80	2.291	7.292	5.834	0.80	2.477
20	16	8.455	5.665	0.67	2.074	8.075	5.410	0.67	2.225	7.695	5.156	0.67	2.408
20	18	9.120	5.016	0.55	2.128	8.835	4.859	0.55	2.290	8.265	4.546	0.55	2.462
20	20	9.880	4.248	0.43	2.182	9.500	4.085	0.43	2.333	8.930	3.840	0.43	2.506
22	16	8.455	6.341	0.75	2.074	8.075	6.056	0.75	2.225	7.695	5.771	0.75	2.408
22	18	9.120	5.746	0.63	2.128	8.835	5.566	0.63	2.290	8.265	5.207	0.63	2.462
22	20	9.880	5.039	0.51	2.182	9.500	4.845	0.51	2.333	8.930	4.554	0.51	2.506
24	16	8.455	7.018	0.83	2.074	8.075	6.702	0.83	2.225	7.695	6.387	0.83	2.408
24	18	9.120	6.475	0.71	2.128	8.835	6.273	0.71	2.290	8.265	5.868	0.71	2.462
24	20	9.880	5.829	0.59	2.182	9.500	5.605	0.59	2.333	8.930	5.269	0.59	2.506
24	22	10.640	5.001	0.47	2.225	10.260	4.822	0.47	2.398	9.690	4.554	0.47	2.549
26	16	8.455	7.694	0.91	2.074	8.075	7.348	0.91	2.225	7.695	7.002	0.91	2.408
26	18	9.120	7.205	0.79	2.128	8.835	6.980	0.79	2.290	8.265	6.529	0.79	2.462
26	20	9.880	6.620	0.67	2.182	9.500	6.365	0.67	2.333	8.930	5.983	0.67	2.506
26	22	10.640	5.852	0.55	2.225	10.260	5.643	0.55	2.398	9.690	5.330	0.55	2.549
27	16	8.455	8.032	0.95	2.074	8.075	7.671	0.95	2.225	7.695	7.310	0.95	2.408
27	18	9.120	7.570	0.83	2.128	8.835	7.333	0.83	2.290	8.265	6.860	0.83	2.462
27	20	9.880	7.015	0.71	2.182	9.500	6.745	0.71	2.333	8.930	6.340	0.71	2.506
27	22	10.640	6.278	0.59	2.225	10.260	6.053	0.59	2.398	9.690	5.717	0.59	2.549
28	16	8.455	8.370	0.99	2.074	8.075	7.994	0.99	2.225	7.695	7.618	0.99	2.408
28	18	9.120	7.934	0.87	2.128	8.835	7.686	0.87	2.290	8.265	7.191	0.87	2.462
28	20	9.880	7.410	0.75	2.182	9.500	7.125	0.75	2.333	8.930	6.698	0.75	2.506
28	22	10.640	6.703	0.63	2.225	10.260	6.464	0.63	2.398	9.690	6.105	0.63	2.549
30	16	8.455	8.455	1.00	2.074	8.075	8.075	1.00	2.225	7.695	7.695	1.00	2.408
30	18	9.120	8.664	0.95	2.128	8.835	8.393	0.95	2.290	8.265	7.852	0.95	2.462
30	20	9.880	8.200	0.83	2.182	9.500	7.885	0.83	2.333	8.930	7.412	0.83	2.506
30	22	10.640	7.554	0.71	2.225	10.260	7.285	0.71	2.398	9.690	6.880	0.71	2.549
32	16	8.455	8.455	1.00	2.074	8.075	8.075	1.00	2.225	7.695	7.695	1.00	2.408
32	18	9.120	9.120	1.00	2.128	8.835	8.835	1.00	2.290	8.265	8.265	1.00	2.462
32	20	9.880	8.991	0.91	2.182	9.500	8.645	0.91	2.333	8.930	8.126	0.91	2.506
32	22	10.640	8.406	0.79	2.225	10.260	8.105	0.79	2.398	9.690	7.655	0.79	2.549
34	16	8.455	8.455	1.00	2.074	8.075	8.075	1.00	2.225	7.695	7.695	1.00	2.408
34	18	9.120	9.120	1.00	2.128	8.835	8.835	1.00	2.290	8.265	8.265	1.00	2.462
34	20	9.880	9.781	0.99	2.182	9.500	9.405	0.99	2.333	8.930	8.841	0.99	2.506
34	22	10.640	9.257	0.87	2.225	10.260	8.926	0.87	2.398	9.690	8.430	0.87	2.549

COOLING CAPACITY

PLA-ZM125EA2 / PUZ-ZM125VDA, PUZ-ZM125YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	9.453	8.697	0.92	2.546	9.232	8.493	0.92	2.781	9.010	8.289	0.92	3.016
14	8	9.654	8.206	0.85	2.545	9.396	7.987	0.85	2.784	9.138	7.767	0.85	3.023
14	9	10.053	7.741	0.77	2.541	9.784	7.534	0.77	2.791	9.515	7.327	0.77	3.040
16	8	9.848	9.060	0.92	2.542	9.620	8.850	0.92	2.789	9.392	8.641	0.92	3.035
16	9	10.126	8.405	0.83	2.540	9.856	8.180	0.83	2.792	9.586	7.956	0.83	3.044
16	11	10.592	7.944	0.75	2.534	10.308	7.731	0.75	2.798	10.025	7.519	0.75	3.063
18	10	10.256	9.333	0.91	2.538	10.017	9.115	0.91	2.795	9.777	8.897	0.91	3.052
18	11	10.632	8.718	0.82	2.535	10.347	8.485	0.82	2.799	10.062	8.251	0.82	3.064
18	12	11.164	8.150	0.73	2.526	10.861	7.929	0.73	2.803	10.558	7.707	0.73	3.081
20	16	12.375	7.425	0.60	2.778	12.000	7.200	0.60	2.935	11.625	6.975	0.60	3.108
20	18	13.250	6.360	0.48	2.830	12.875	6.180	0.48	2.987	12.438	5.970	0.48	3.195
20	20	14.250	5.130	0.36	2.917	13.938	5.018	0.36	3.056	13.563	4.883	0.36	3.265
22	16	12.375	8.415	0.68	2.778	12.000	8.160	0.68	2.935	11.625	7.905	0.68	3.108
22	18	13.250	7.420	0.56	2.830	12.875	7.210	0.56	2.987	12.438	6.965	0.56	3.195
22	20	14.250	6.270	0.44	2.917	13.938	6.133	0.44	3.056	13.563	5.968	0.44	3.265
24	16	12.375	9.405	0.76	2.778	12.000	9.120	0.76	2.935	11.625	8.835	0.76	3.108
24	18	13.250	8.480	0.64	2.830	12.875	8.240	0.64	2.987	12.438	7.960	0.64	3.195
24	20	14.250	7.410	0.52	2.917	13.938	7.248	0.52	3.056	13.563	7.053	0.52	3.265
24	22	15.188	6.075	0.40	2.987	14.875	5.950	0.40	3.160	14.500	5.800	0.40	3.369
26	16	12.375	10.395	0.84	2.778	12.000	10.080	0.84	2.935	11.625	9.765	0.84	3.108
26	18	13.250	9.540	0.72	2.830	12.875	9.270	0.72	2.987	12.438	8.955	0.72	3.195
26	20	14.250	8.550	0.60	2.917	13.938	8.363	0.60	3.056	13.563	8.138	0.60	3.265
26	22	15.188	7.290	0.48	2.987	14.875	7.140	0.48	3.160	14.500	6.960	0.48	3.369
27	16	12.375	10.890	0.88	2.778	12.000	10.560	0.88	2.935	11.625	10.230	0.88	3.108
27	18	13.250	10.070	0.76	2.830	12.875	9.785	0.76	2.987	12.438	9.453	0.76	3.195
27	20	14.250	9.120	0.64	2.917	13.938	8.920	0.64	3.056	13.563	8.680	0.64	3.265
27	22	15.188	7.898	0.52	2.987	14.875	7.735	0.52	3.160	14.500	7.540	0.52	3.369
28	16	12.375	11.385	0.92	2.778	12.000	11.040	0.92	2.935	11.625	10.695	0.92	3.108
28	18	13.250	10.600	0.80	2.830	12.875	10.300	0.80	2.987	12.438	9.950	0.80	3.195
28	20	14.250	9.690	0.68	2.917	13.938	9.478	0.68	3.056	13.563	9.223	0.68	3.265
28	22	15.188	8.505	0.56	2.987	14.875	8.330	0.56	3.160	14.500	8.120	0.56	3.369
30	16	12.375	12.375	1.00	2.778	12.000	12.000	1.00	2.935	11.625	11.625	1.00	3.108
30	18	13.250	11.660	0.88	2.830	12.875	11.330	0.88	2.987	12.438	10.945	0.88	3.195
30	20	14.250	10.830	0.76	2.917	13.938	10.593	0.76	3.056	13.563	10.308	0.76	3.265
30	22	15.188	9.720	0.64	2.987	14.875	9.520	0.64	3.160	14.500	9.280	0.64	3.369
32	16	12.375	12.375	1.00	2.778	12.000	12.000	1.00	2.935	11.625	11.625	1.00	3.108
32	18	13.250	12.720	0.96	2.830	12.875	12.360	0.96	2.987	12.438	11.940	0.96	3.195
32	20	14.250	11.970	0.84	2.917	13.938	11.708	0.84	3.056	13.563	11.393	0.84	3.265
32	22	15.188	10.935	0.72	2.987	14.875	10.710	0.72	3.160	14.500	10.440	0.72	3.369
34	16	12.375	12.375	1.00	2.778	12.000	12.000	1.00	2.935	11.625	11.625	1.00	3.108
34	18	13.250	13.250	1.00	2.830	12.875	12.875	1.00	2.987	12.438	12.438	1.00	3.195
34	20	14.250	13.110	0.92	2.917	13.938	12.823	0.92	3.056	13.563	12.478	0.92	3.265
34	22	15.188	12.150	0.80	2.987	14.875	11.900	0.80	3.160	14.500	11.600	0.80	3.369

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	8.763	8.062	0.92	3.284	8.497	7.817	0.92	3.561	8.278	7.616	0.92	3.835
14	8	8.851	7.523	0.85	3.290	8.559	7.275	0.85	3.568	8.326	7.077	0.85	3.842
14	9	9.220	7.099	0.77	3.317	8.904	6.856	0.77	3.601	8.643	6.655	0.77	3.880
16	8	9.138	8.407	0.92	3.311	8.865	8.156	0.92	3.596	8.638	7.947	0.92	3.879
16	9	9.288	7.709	0.83	3.322	8.973	7.448	0.83	3.606	8.721	7.238	0.83	3.889
16	11	9.716	7.287	0.75	3.350	9.385	7.039	0.75	3.643	9.108	6.831	0.75	3.932
18	10	9.517	8.660	0.91	3.337	9.239	8.407	0.91	3.630	9.003	8.193	0.91	3.920
18	11	9.754	7.998	0.82	3.352	9.422	7.726	0.82	3.645	9.145	7.499	0.82	3.936
18	12	10.236	7.472	0.73	3.379	9.890	7.220	0.73	3.683	9.595	7.004	0.73	3.983
20	16	11.125	6.675	0.60	3.334	10.625	6.375	0.60	3.577	10.125	6.075	0.60	3.872
20	18	12.000	5.760	0.48	3.421	11.625	5.580	0.48	3.681	10.875	5.220	0.48	3.959
20	20	13.000	4.680	0.36	3.508	12.500	4.500	0.36	3.751	11.750	4.230	0.36	4.029
22	16	11.125	7.565	0.68	3.334	10.625	7.225	0.68	3.577	10.125	6.885	0.68	3.872
22	18	12.000	6.720	0.56	3.421	11.625	6.510	0.56	3.681	10.875	6.090	0.56	3.959
22	20	13.000	5.720	0.44	3.508	12.500	5.500	0.44	3.751	11.750	5.170	0.44	4.029
24	16	11.125	8.455	0.76	3.334	10.625	8.075	0.76	3.577	10.125	7.695	0.76	3.872
24	18	12.000	7.680	0.64	3.421	11.625	7.440	0.64	3.681	10.875	6.960	0.64	3.959
24	20	13.000	6.760	0.52	3.508	12.500	6.500	0.52	3.751	11.750	6.110	0.52	4.029
24	22	14.000	5.600	0.40	3.577	13.500	5.400	0.40	3.855	12.750	5.100	0.40	4.098
26	16	11.125	9.345	0.84	3.334	10.625	8.925	0.84	3.577	10.125	8.505	0.84	3.872
26	18	12.000	8.640	0.72	3.421	11.625	8.370	0.72	3.681	10.875	7.830	0.72	3.959
26	20	13.000	7.800	0.60	3.508	12.500	7.500	0.60	3.751	11.750	7.050	0.60	4.029
26	22	14.000	6.720	0.48	3.577	13.500	6.480	0.48	3.855	12.750	6.120	0.48	4.098
27	16	11.125	9.790	0.88	3.334	10.625	9.350	0.88	3.577	10.125	8.910	0.88	3.872
27	18	12.000	9.120	0.76	3.421	11.625	8.835	0.76	3.681	10.875	8.265	0.76	3.959
27	20	13.000	8.320	0.64	3.508	12.500	8.000	0.64	3.751	11.750	7.520	0.64	4.029
27	22	14.000	7.280	0.52	3.577	13.500	7.020	0.52	3.855	12.750	6.630	0.52	4.098
28	16	11.125	10.235	0.92	3.334	10.625	9.775	0.92	3.577	10.125	9.315	0.92	3.872
28	18	12.000	9.600	0.80	3.421	11.625	9.300	0.80	3.681	10.875	8.700	0.80	3.959
28	20	13.000	8.840	0.68	3.508	12.500	8.500	0.68	3.751	11.750	7.990	0.68	4.029
28	22	14.000	7.840	0.56	3.577	13.500	7.560	0.56	3.855	12.750	7.140	0.56	4.098
30	16	11.125	11.125	1.00	3.334	10.625	10.625	1.00	3.577	10.125	10.125	1.00	3.872
30	18	12.000	10.560	0.88	3.421	11.625	10.230	0.88	3.681	10.875	9.570	0.88	3.959
30	20	13.000	9.880	0.76	3.508	12.500	9.500	0.76	3.751	11.750	8.930	0.76	4.029
30	22	14.000	8.960	0.64	3.577	13.500	8.640	0.64	3.855	12.750	8.160	0.64	4.098
32	16	11.125	11.125	1.00	3.334	10.625	10.625	1.00	3.577	10.125	10.125	1.00	3.872
32	18	12.000	11.520	0.96	3.421	11.625	11.160	0.96	3.681	10.875	10.440	0.96	3.959
32	20	13.000	10.920	0.84	3.508	12.500	10.500	0.84	3.751	11.750	9.870	0.84	4.029
32	22	14.000	10.080	0.72	3.577	13.500	9.720	0.72	3.855	12.750	9.180	0.72	4.098
34	16	11.125	11.125	1.00	3.334	10.625	10.625	1.00	3.577	10.125	10.125	1.00	3.872
34	18	12.000	12.000	1.00	3.421	11.625	11.625	1.00	3.681	10.875	10.875	1.00	3.959
34	20	13.000	11.960	0.92	3.508	12.500	11.500	0.92	3.751	11.750	10.810	0.92	4.029
34	22	14.000	11.200	0.80	3.577	13.500	10.800	0.80	3.855	12.750	10.200	0.80	4.098

COOLING CAPACITY

PLA-ZM140EA2 / PUZ-ZM140VDA, PUZ-ZM140YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	10.133	9.322	0.92	2.656	9.896	9.104	0.92	2.900	9.659	8.886	0.92	3.145
14	8	10.349	8.797	0.85	2.654	10.072	8.561	0.85	2.904	9.796	8.327	0.85	3.153
14	9	10.777	8.298	0.77	2.650	10.489	8.077	0.77	2.910	10.201	7.855	0.77	3.171
16	8	10.557	9.712	0.92	2.651	10.313	9.488	0.92	2.908	10.068	9.263	0.92	3.165
16	9	10.855	9.010	0.83	2.649	10.566	8.770	0.83	2.912	10.276	8.529	0.83	3.174
16	11	11.355	8.516	0.75	2.642	11.051	8.288	0.75	2.918	10.746	8.060	0.75	3.194
18	10	10.994	10.005	0.91	2.647	10.738	9.772	0.91	2.915	10.481	9.538	0.91	3.183
18	11	11.398	9.346	0.82	2.643	11.092	9.095	0.82	2.919	10.787	8.845	0.82	3.195
18	12	11.968	8.737	0.73	2.634	11.643	8.499	0.73	2.924	11.319	8.263	0.73	3.213
20	16	13.266	7.960	0.60	2.898	12.864	7.718	0.60	3.061	12.462	7.477	0.60	3.242
20	18	14.204	6.818	0.48	2.952	13.802	6.625	0.48	3.115	13.333	6.400	0.48	3.332
20	20	15.276	5.499	0.36	3.042	14.941	5.379	0.36	3.187	14.539	5.234	0.36	3.405
22	16	13.266	9.021	0.68	2.898	12.864	8.748	0.68	3.061	12.462	8.474	0.68	3.242
22	18	14.204	7.954	0.56	2.952	13.802	7.729	0.56	3.115	13.333	7.466	0.56	3.332
22	20	15.276	6.721	0.44	3.042	14.941	6.574	0.44	3.187	14.539	6.397	0.44	3.405
24	16	13.266	10.082	0.76	2.898	12.864	9.777	0.76	3.061	12.462	9.471	0.76	3.242
24	18	14.204	9.091	0.64	2.952	13.802	8.833	0.64	3.115	13.333	8.533	0.64	3.332
24	20	15.276	7.944	0.52	3.042	14.941	7.769	0.52	3.187	14.539	7.560	0.52	3.405
24	22	16.281	6.512	0.40	3.115	15.946	6.378	0.40	3.296	15.544	6.218	0.40	3.513
26	16	13.266	11.143	0.84	2.898	12.864	10.806	0.84	3.061	12.462	10.468	0.84	3.242
26	18	14.204	10.227	0.72	2.952	13.802	9.937	0.72	3.115	13.333	9.600	0.72	3.332
26	20	15.276	9.166	0.60	3.042	14.941	8.965	0.60	3.187	14.539	8.723	0.60	3.405
26	22	16.281	7.815	0.48	3.115	15.946	7.654	0.48	3.296	15.544	7.461	0.48	3.513
27	16	13.266	11.674	0.88	2.898	12.864	11.320	0.88	3.061	12.462	10.967	0.88	3.242
27	18	14.204	10.795	0.76	2.952	13.802	10.490	0.76	3.115	13.333	10.133	0.76	3.332
27	20	15.276	9.777	0.64	3.042	14.941	9.562	0.64	3.187	14.539	9.305	0.64	3.405
27	22	16.281	8.466	0.52	3.115	15.946	8.292	0.52	3.296	15.544	8.083	0.52	3.513
28	16	13.266	12.205	0.92	2.898	12.864	11.835	0.92	3.061	12.462	11.465	0.92	3.242
28	18	14.204	11.363	0.80	2.952	13.802	11.042	0.80	3.115	13.333	10.666	0.80	3.332
28	20	15.276	10.388	0.68	3.042	14.941	10.160	0.68	3.187	14.539	9.887	0.68	3.405
28	22	16.281	9.117	0.56	3.115	15.946	8.930	0.56	3.296	15.544	8.705	0.56	3.513
30	16	13.266	13.266	1.00	2.898	12.864	12.864	1.00	3.061	12.462	12.462	1.00	3.242
30	18	14.204	12.500	0.88	2.952	13.802	12.146	0.88	3.115	13.333	11.733	0.88	3.332
30	20	15.276	11.610	0.76	3.042	14.941	11.355	0.76	3.187	14.539	11.050	0.76	3.405
30	22	16.281	10.420	0.64	3.115	15.946	10.205	0.64	3.296	15.544	9.948	0.64	3.513
32	16	13.266	13.266	1.00	2.898	12.864	12.864	1.00	3.061	12.462	12.462	1.00	3.242
32	18	14.204	13.636	0.96	2.952	13.802	13.250	0.96	3.115	13.333	12.800	0.96	3.332
32	20	15.276	12.832	0.84	3.042	14.941	12.550	0.84	3.187	14.539	12.213	0.84	3.405
32	22	16.281	11.722	0.72	3.115	15.946	11.481	0.72	3.296	15.544	11.192	0.72	3.513
34	16	13.266	13.266	1.00	2.898	12.864	12.864	1.00	3.061	12.462	12.462	1.00	3.242
34	18	14.204	14.204	1.00	2.952	13.802	13.802	1.00	3.115	13.333	13.333	1.00	3.332
34	20	15.276	14.054	0.92	3.042	14.941	13.746	0.92	3.187	14.539	13.376	0.92	3.405
34	22	16.281	13.025	0.80	3.115	15.946	12.757	0.80	3.296	15.544	12.435	0.80	3.513

OUTDOOR UNIT
PERFORMANCE DATA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	9.394	8.642	0.92	3.425	9.109	8.380	0.92	3.714	8.874	8.164	0.92	4.000
14	8	9.488	8.065	0.85	3.431	9.175	7.799	0.85	3.721	8.926	7.587	0.85	4.007
14	9	9.883	7.610	0.77	3.459	9.545	7.350	0.77	3.755	9.265	7.134	0.77	4.046
16	8	9.796	9.012	0.92	3.454	9.503	8.743	0.92	3.751	9.260	8.519	0.92	4.045
16	9	9.957	8.264	0.83	3.465	9.619	7.984	0.83	3.761	9.348	7.759	0.83	4.055
16	11	10.415	7.811	0.75	3.493	10.061	7.546	0.75	3.799	9.764	7.323	0.75	4.101
18	10	10.203	9.285	0.91	3.480	9.904	9.013	0.91	3.786	9.652	8.783	0.91	4.089
18	11	10.456	8.574	0.82	3.496	10.100	8.282	0.82	3.802	9.803	8.038	0.82	4.105
18	12	10.973	8.010	0.73	3.524	10.602	7.739	0.73	3.841	10.286	7.509	0.73	4.154
20	16	11.926	7.156	0.60	3.477	11.390	6.834	0.60	3.731	10.854	6.512	0.60	4.039
20	18	12.864	6.175	0.48	3.568	12.462	5.982	0.48	3.839	11.658	5.596	0.48	4.129
20	20	13.936	5.017	0.36	3.658	13.400	4.824	0.36	3.912	12.596	4.535	0.36	4.202
22	16	11.926	8.110	0.68	3.477	11.390	7.745	0.68	3.731	10.854	7.381	0.68	4.039
22	18	12.864	7.204	0.56	3.568	12.462	6.979	0.56	3.839	11.658	6.528	0.56	4.129
22	20	13.936	6.132	0.44	3.658	13.400	5.896	0.44	3.912	12.596	5.542	0.44	4.202
24	16	11.926	9.064	0.76	3.477	11.390	8.656	0.76	3.731	10.854	8.249	0.76	4.039
24	18	12.864	8.233	0.64	3.568	12.462	7.976	0.64	3.839	11.658	7.461	0.64	4.129
24	20	13.936	7.247	0.52	3.658	13.400	6.968	0.52	3.912	12.596	6.550	0.52	4.202
24	22	15.008	6.003	0.40	3.731	14.472	5.789	0.40	4.020	13.668	5.467	0.40	4.274
26	16	11.926	10.018	0.84	3.477	11.390	9.568	0.84	3.731	10.854	9.117	0.84	4.039
26	18	12.864	9.262	0.72	3.568	12.462	8.973	0.72	3.839	11.658	8.394	0.72	4.129
26	20	13.936	8.362	0.60	3.658	13.400	8.040	0.60	3.912	12.596	7.558	0.60	4.202
26	22	15.008	7.204	0.48	3.731	14.472	6.947	0.48	4.020	13.668	6.561	0.48	4.274
27	16	11.926	10.495	0.88	3.477	11.390	10.023	0.88	3.731	10.854	9.552	0.88	4.039
27	18	12.864	9.777	0.76	3.568	12.462	9.471	0.76	3.839	11.658	8.860	0.76	4.129
27	20	13.936	8.919	0.64	3.658	13.400	8.576	0.64	3.912	12.596	8.061	0.64	4.202
27	22	15.008	7.804	0.52	3.731	14.472	7.525	0.52	4.020	13.668	7.107	0.52	4.274
28	16	11.926	10.972	0.92	3.477	11.390	10.479	0.92	3.731	10.854	9.986	0.92	4.039
28	18	12.864	10.291	0.80	3.568	12.462	9.970	0.80	3.839	11.658	9.326	0.80	4.129
28	20	13.936	9.476	0.68	3.658	13.400	9.112	0.68	3.912	12.596	8.565	0.68	4.202
28	22	15.008	8.404	0.56	3.731	14.472	8.104	0.56	4.020	13.668	7.654	0.56	4.274
30	16	11.926	11.926	1.00	3.477	11.390	11.390	1.00	3.731	10.854	10.854	1.00	4.039
30	18	12.864	11.320	0.88	3.568	12.462	10.967	0.88	3.839	11.658	10.259	0.88	4.129
30	20	13.936	10.591	0.76	3.658	13.400	10.184	0.76	3.912	12.596	9.573	0.76	4.202
30	22	15.008	9.605	0.64	3.731	14.472	9.262	0.64	4.020	13.668	8.748	0.64	4.274
32	16	11.926	11.926	1.00	3.477	11.390	11.390	1.00	3.731	10.854	10.854	1.00	4.039
32	18	12.864	12.349	0.96	3.568	12.462	11.964	0.96	3.839	11.658	11.192	0.96	4.129
32	20	13.936	11.706	0.84	3.658	13.400	11.256	0.84	3.912	12.596	10.581	0.84	4.202
32	22	15.008	10.806	0.72	3.731	14.472	10.420	0.72	4.020	13.668	9.841	0.72	4.274
34	16	11.926	11.926	1.00	3.477	11.390	11.390	1.00	3.731	10.854	10.854	1.00	4.039
34	18	12.864	12.864	1.00	3.568	12.462	12.462	1.00	3.839	11.658	11.658	1.00	4.129
34	20	13.936	12.821	0.92	3.658	13.400	12.328	0.92	3.912	12.596	11.588	0.92	4.202
34	22	15.008	12.006	0.80	3.731	14.472	11.578	0.80	4.020	13.668	10.934	0.80	4.274

HEATING CAPACITY

PLA-ZM-EA2 / PUZ-ZM-VDA, PUZ-ZM-YDA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)
PLA-ZM100EA2	15	7.112	1.574	7.728	1.734	8.624	2.000	11.312	2.400	12.768	2.667	14.224	2.880
PUZ-ZM100VDA	20	6.832	1.707	7.392	1.867	8.176	2.160	10.920	2.587	12.320	2.880	13.720	3.094
PUZ-ZM100YDA	25	6.608	1.814	7.168	2.027	7.840	2.347	10.304	2.747	11.872	3.080	13.216	3.320
PLA-ZM125EA2	15	8.890	2.295	9.660	2.528	10.780	2.917	14.140	3.500	15.960	3.889	17.780	4.200
PUZ-ZM125VDA	20	8.540	2.489	9.240	2.722	10.220	3.150	13.650	3.772	15.400	4.200	17.150	4.511
PUZ-ZM125YDA	25	8.260	2.645	8.960	2.956	9.800	3.422	12.880	4.006	14.840	4.492	16.520	4.842
PLA-ZM140EA2	15	10.160	2.697	11.040	2.972	12.320	3.429	16.160	4.115	18.240	4.572	20.320	4.938
PUZ-ZM140VDA	20	9.760	2.926	10.560	3.200	11.680	3.703	15.600	4.435	17.600	4.938	19.600	5.304
PUZ-ZM140YDA	25	9.440	3.109	10.240	3.475	11.200	4.023	14.720	4.709	16.960	5.281	18.880	5.692

OUTDOOR
UNIT

PERFORMANCE DATA

Note:

CA : Capacity (kW) SHC : Sensible heat capacity (kW) D.B. : Dry-bulb temperature (°C)
P.C. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature (°C)

COOLING CAPACITY

PLA-M100EA2 / PUZ-ZM100VDA, PUZ-ZM100YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	7.184	7.112	0.99	1.620	7.016	6.946	0.99	1.770	6.848	6.780	0.99	1.919
14	8	7.337	6.750	0.92	1.620	7.141	6.570	0.92	1.772	6.945	6.389	0.92	1.924
14	9	7.641	6.418	0.84	1.617	7.436	6.246	0.84	1.776	7.232	6.075	0.84	1.935
16	8	7.485	7.410	0.99	1.618	7.311	7.238	0.99	1.774	7.138	7.067	0.99	1.931
16	9	7.696	6.926	0.90	1.616	7.491	6.742	0.90	1.777	7.286	6.557	0.90	1.937
16	11	8.050	6.601	0.82	1.612	7.834	6.424	0.82	1.781	7.619	6.248	0.82	1.949
18	10	7.794	7.638	0.98	1.615	7.613	7.461	0.98	1.779	7.431	7.282	0.98	1.942
18	11	8.080	7.191	0.89	1.613	7.864	6.999	0.89	1.781	7.647	6.806	0.89	1.950
18	12	8.485	6.788	0.80	1.607	8.255	6.604	0.80	1.784	8.024	6.419	0.80	1.960
20	16	9.405	6.301	0.67	1.768	9.120	6.110	0.67	1.867	8.835	5.919	0.67	1.978
20	18	10.070	5.539	0.55	1.801	9.785	5.382	0.55	1.901	9.453	5.199	0.55	2.033
20	20	10.830	4.657	0.43	1.856	10.593	4.555	0.43	1.945	10.308	4.432	0.43	2.077
22	16	9.405	7.054	0.75	1.768	9.120	6.840	0.75	1.867	8.835	6.626	0.75	1.978
22	18	10.070	6.344	0.63	1.801	9.785	6.165	0.63	1.901	9.453	5.955	0.63	2.033
22	20	10.830	5.523	0.51	1.856	10.593	5.402	0.51	1.945	10.308	5.257	0.51	2.077
24	16	9.405	7.806	0.83	1.768	9.120	7.570	0.83	1.867	8.835	7.333	0.83	1.978
24	18	10.070	7.150	0.71	1.801	9.785	6.947	0.71	1.901	9.453	6.712	0.71	2.033
24	20	10.830	6.390	0.59	1.856	10.593	6.250	0.59	1.945	10.308	6.082	0.59	2.077
24	22	11.543	5.425	0.47	1.901	11.305	5.313	0.47	2.011	11.020	5.179	0.47	2.144
26	16	9.405	8.559	0.91	1.768	9.120	8.299	0.91	1.867	8.835	8.040	0.91	1.978
26	18	10.070	7.955	0.79	1.801	9.785	7.730	0.79	1.901	9.453	7.468	0.79	2.033
26	20	10.830	7.256	0.67	1.856	10.593	7.097	0.67	1.945	10.308	6.906	0.67	2.077
26	22	11.543	6.349	0.55	1.901	11.305	6.218	0.55	2.011	11.020	6.061	0.55	2.144
27	16	9.405	8.935	0.95	1.768	9.120	8.664	0.95	1.867	8.835	8.393	0.95	1.978
27	18	10.070	8.358	0.83	1.801	9.785	8.122	0.83	1.901	9.453	7.846	0.83	2.033
27	20	10.830	7.689	0.71	1.856	10.593	7.521	0.71	1.945	10.308	7.319	0.71	2.077
27	22	11.543	6.810	0.59	1.901	11.305	6.670	0.59	2.011	11.020	6.502	0.59	2.144
28	16	9.405	9.311	0.99	1.768	9.120	9.029	0.99	1.867	8.835	8.747	0.99	1.978
28	18	10.070	8.761	0.87	1.801	9.785	8.513	0.87	1.901	9.453	8.224	0.87	2.033
28	20	10.830	8.123	0.75	1.856	10.593	7.945	0.75	1.945	10.308	7.731	0.75	2.077
28	22	11.543	7.272	0.63	1.901	11.305	7.122	0.63	2.011	11.020	6.943	0.63	2.144
30	16	9.405	9.405	1.00	1.768	9.120	9.120	1.00	1.867	8.835	8.835	1.00	1.978
30	18	10.070	9.567	0.95	1.801	9.785	9.296	0.95	1.901	9.453	8.980	0.95	2.033
30	20	10.830	8.989	0.83	1.856	10.593	8.792	0.83	1.945	10.308	8.556	0.83	2.077
30	22	11.543	8.196	0.71	1.901	11.305	8.027	0.71	2.011	11.020	7.824	0.71	2.144
32	16	9.405	9.405	1.00	1.768	9.120	9.120	1.00	1.867	8.835	8.835	1.00	1.978
32	18	10.070	10.070	1.00	1.801	9.785	9.785	1.00	1.901	9.453	9.453	1.00	2.033
32	20	10.830	9.855	0.91	1.856	10.593	9.640	0.91	1.945	10.308	9.380	0.91	2.077
32	22	11.543	9.119	0.79	1.901	11.305	8.931	0.79	2.011	11.020	8.706	0.79	2.144
34	16	9.405	9.405	1.00	1.768	9.120	9.120	1.00	1.867	8.835	8.835	1.00	1.978
34	18	10.070	10.070	1.00	1.801	9.785	9.785	1.00	1.901	9.453	9.453	1.00	2.033
34	20	10.830	10.722	0.99	1.856	10.593	10.487	0.99	1.945	10.308	10.205	0.99	2.077
34	22	11.543	10.042	0.87	1.901	11.305	9.835	0.87	2.011	11.020	9.587	0.87	2.144

OUTDOOR UNIT
PERFORMANCE DATA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	6.660	6.593	0.99	2.090	6.458	6.393	0.99	2.266	6.291	6.228	0.99	2.441
14	8	6.727	6.189	0.92	2.094	6.505	5.985	0.92	2.270	6.328	5.822	0.92	2.445
14	9	7.007	5.886	0.84	2.111	6.767	5.684	0.84	2.291	6.569	5.518	0.84	2.469
16	8	6.945	6.876	0.99	2.107	6.737	6.670	0.99	2.288	6.565	6.499	0.99	2.468
16	9	7.059	6.353	0.90	2.114	6.819	6.137	0.90	2.295	6.628	5.965	0.90	2.474
16	11	7.384	6.055	0.82	2.132	7.133	5.849	0.82	2.318	6.922	5.676	0.82	2.502
18	10	7.233	7.088	0.98	2.123	7.021	6.881	0.98	2.310	6.843	6.706	0.98	2.495
18	11	7.413	6.598	0.89	2.133	7.161	6.373	0.89	2.320	6.950	6.186	0.89	2.505
18	12	7.779	6.223	0.80	2.150	7.516	6.013	0.80	2.344	7.292	5.834	0.80	2.535
20	16	8.455	5.665	0.67	2.122	8.075	5.410	0.67	2.276	7.695	5.156	0.67	2.464
20	18	9.120	5.016	0.55	2.177	8.835	4.859	0.55	2.343	8.265	4.546	0.55	2.519
20	20	9.880	4.248	0.43	2.232	9.500	4.085	0.43	2.387	8.930	3.840	0.43	2.564
22	16	8.455	6.341	0.75	2.122	8.075	6.056	0.75	2.276	7.695	5.771	0.75	2.464
22	18	9.120	5.746	0.63	2.177	8.835	5.566	0.63	2.343	8.265	5.207	0.63	2.519
22	20	9.880	5.039	0.51	2.232	9.500	4.845	0.51	2.387	8.930	4.554	0.51	2.564
24	16	8.455	7.018	0.83	2.122	8.075	6.702	0.83	2.276	7.695	6.387	0.83	2.464
24	18	9.120	6.475	0.71	2.177	8.835	6.273	0.71	2.343	8.265	5.868	0.71	2.519
24	20	9.880	5.829	0.59	2.232	9.500	5.605	0.59	2.387	8.930	5.269	0.59	2.564
24	22	10.640	5.001	0.47	2.276	10.260	4.822	0.47	2.453	9.690	4.554	0.47	2.608
26	16	8.455	7.694	0.91	2.122	8.075	7.348	0.91	2.276	7.695	7.002	0.91	2.464
26	18	9.120	7.205	0.79	2.177	8.835	6.980	0.79	2.343	8.265	6.529	0.79	2.519
26	20	9.880	6.620	0.67	2.232	9.500	6.365	0.67	2.387	8.930	5.983	0.67	2.564
26	22	10.640	5.852	0.55	2.276	10.260	5.643	0.55	2.453	9.690	5.330	0.55	2.608
27	16	8.455	8.032	0.95	2.122	8.075	7.671	0.95	2.276	7.695	7.310	0.95	2.464
27	18	9.120	7.570	0.83	2.177	8.835	7.333	0.83	2.343	8.265	6.860	0.83	2.519
27	20	9.880	7.015	0.71	2.232	9.500	6.745	0.71	2.387	8.930	6.340	0.71	2.564
27	22	10.640	6.278	0.59	2.276	10.260	6.053	0.59	2.453	9.690	5.717	0.59	2.608
28	16	8.455	8.370	0.99	2.122	8.075	7.994	0.99	2.276	7.695	7.618	0.99	2.464
28	18	9.120	7.934	0.87	2.177	8.835	7.686	0.87	2.343	8.265	7.191	0.87	2.519
28	20	9.880	7.410	0.75	2.232	9.500	7.125	0.75	2.387	8.930	6.698	0.75	2.564
28	22	10.640	6.703	0.63	2.276	10.260	6.464	0.63	2.453	9.690	6.105	0.63	2.608
30	16	8.455	8.455	1.00	2.122	8.075	8.075	1.00	2.276	7.695	7.695	1.00	2.464
30	18	9.120	8.664	0.95	2.177	8.835	8.393	0.95	2.343	8.265	7.852	0.95	2.519
30	20	9.880	8.200	0.83	2.232	9.500	7.885	0.83	2.387	8.930	7.412	0.83	2.564
30	22	10.640	7.554	0.71	2.276	10.260	7.285	0.71	2.453	9.690	6.880	0.71	2.608
32	16	8.455	8.455	1.00	2.122	8.075	8.075	1.00	2.276	7.695	7.695	1.00	2.464
32	18	9.120	9.120	1.00	2.177	8.835	8.835	1.00	2.343	8.265	8.265	1.00	2.519
32	20	9.880	8.991	0.91	2.232	9.500	8.645	0.91	2.387	8.930	8.126	0.91	2.564
32	22	10.640	8.406	0.79	2.276	10.260	8.105	0.79	2.453	9.690	7.655	0.79	2.608
34	16	8.455	8.455	1.00	2.122	8.075	8.075	1.00	2.276	7.695	7.695	1.00	2.464
34	18	9.120	9.120	1.00	2.177	8.835	8.835	1.00	2.343	8.265	8.265	1.00	2.519
34	20	9.880	9.781	0.99	2.232	9.500	9.405	0.99	2.387	8.930	8.841	0.99	2.564
34	22	10.640	9.257	0.87	2.276	10.260	8.926	0.87	2.453	9.690	8.430	0.87	2.608

COOLING CAPACITY

PLA-M125EA2 / PUZ-ZM125VDA, PUZ-ZM125YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	9.453	8.886	0.94	2.619	9.232	8.678	0.94	2.860	9.010	8.469	0.94	3.102
14	8	9.654	8.399	0.87	2.618	9.396	8.175	0.87	2.864	9.138	7.950	0.87	3.110
14	9	10.053	7.942	0.79	2.613	9.784	7.729	0.79	2.870	9.515	7.517	0.79	3.127
16	8	9.848	9.257	0.94	2.615	9.620	9.043	0.94	2.868	9.392	8.828	0.94	3.122
16	9	10.126	8.607	0.85	2.612	9.856	8.378	0.85	2.871	9.586	8.148	0.85	3.130
16	11	10.592	8.156	0.77	2.606	10.308	7.937	0.77	2.878	10.025	7.719	0.77	3.150
18	10	10.256	9.538	0.93	2.610	10.017	9.316	0.93	2.875	9.777	9.093	0.93	3.139
18	11	10.632	8.931	0.84	2.607	10.347	8.691	0.84	2.879	10.062	8.452	0.84	3.151
18	12	11.164	8.373	0.75	2.598	10.861	8.146	0.75	2.883	10.558	7.919	0.75	3.169
20	16	12.375	7.673	0.62	2.858	12.000	7.440	0.62	3.018	11.625	7.208	0.62	3.197
20	18	13.250	6.625	0.50	2.911	12.875	6.438	0.50	3.072	12.438	6.219	0.50	3.286
20	20	14.250	5.415	0.38	3.000	13.938	5.296	0.38	3.143	13.563	5.154	0.38	3.358
22	16	12.375	8.663	0.70	2.858	12.000	8.400	0.70	3.018	11.625	8.138	0.70	3.197
22	18	13.250	7.685	0.58	2.911	12.875	7.468	0.58	3.072	12.438	7.214	0.58	3.286
22	20	14.250	6.555	0.46	3.000	13.938	6.411	0.46	3.143	13.563	6.239	0.46	3.358
24	16	12.375	9.653	0.78	2.858	12.000	9.360	0.78	3.018	11.625	9.068	0.78	3.197
24	18	13.250	8.745	0.66	2.911	12.875	8.498	0.66	3.072	12.438	8.209	0.66	3.286
24	20	14.250	7.695	0.54	3.000	13.938	7.527	0.54	3.143	13.563	7.324	0.54	3.358
24	22	15.188	6.379	0.42	3.072	14.875	6.248	0.42	3.251	14.500	6.090	0.42	3.465
26	16	12.375	10.643	0.86	2.858	12.000	10.320	0.86	3.018	11.625	9.998	0.86	3.197
26	18	13.250	9.805	0.74	2.911	12.875	9.528	0.74	3.072	12.438	9.204	0.74	3.286
26	20	14.250	8.835	0.62	3.000	13.938	8.642	0.62	3.143	13.563	8.409	0.62	3.358
26	22	15.188	7.594	0.50	3.072	14.875	7.438	0.50	3.251	14.500	7.250	0.50	3.465
27	16	12.375	11.138	0.90	2.858	12.000	10.800	0.90	3.018	11.625	10.463	0.90	3.197
27	18	13.250	10.335	0.78	2.911	12.875	10.043	0.78	3.072	12.438	9.702	0.78	3.286
27	20	14.250	9.405	0.66	3.000	13.938	9.199	0.66	3.143	13.563	8.952	0.66	3.358
27	22	15.188	8.202	0.54	3.072	14.875	8.033	0.54	3.251	14.500	7.830	0.54	3.465
28	16	12.375	11.633	0.94	2.858	12.000	11.280	0.94	3.018	11.625	10.928	0.94	3.197
28	18	13.250	10.865	0.82	2.911	12.875	10.558	0.82	3.072	12.438	10.199	0.82	3.286
28	20	14.250	9.975	0.70	3.000	13.938	9.757	0.70	3.143	13.563	9.494	0.70	3.358
28	22	15.188	8.809	0.58	3.072	14.875	8.628	0.58	3.251	14.500	8.410	0.58	3.465
30	16	12.375	12.375	1.00	2.858	12.000	12.000	1.00	3.018	11.625	11.625	1.00	3.197
30	18	13.250	11.925	0.90	2.911	12.875	11.588	0.90	3.072	12.438	11.194	0.90	3.286
30	20	14.250	11.115	0.78	3.000	13.938	10.872	0.78	3.143	13.563	10.579	0.78	3.358
30	22	15.188	10.024	0.66	3.072	14.875	9.818	0.66	3.251	14.500	9.570	0.66	3.465
32	16	12.375	12.375	1.00	2.858	12.000	12.000	1.00	3.018	11.625	11.625	1.00	3.197
32	18	13.250	12.985	0.98	2.911	12.875	12.618	0.98	3.072	12.438	12.189	0.98	3.286
32	20	14.250	12.255	0.86	3.000	13.938	11.987	0.86	3.143	13.563	11.664	0.86	3.358
32	22	15.188	11.239	0.74	3.072	14.875	11.008	0.74	3.251	14.500	10.730	0.74	3.465
34	16	12.375	12.375	1.00	2.858	12.000	12.000	1.00	3.018	11.625	11.625	1.00	3.197
34	18	13.250	13.250	1.00	2.911	12.875	12.875	1.00	3.072	12.438	12.438	1.00	3.286
34	20	14.250	13.395	0.94	3.000	13.938	13.102	0.94	3.143	13.563	12.749	0.94	3.358
34	22	15.188	12.454	0.82	3.072	14.875	12.198	0.82	3.251	14.500	11.890	0.82	3.465

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	8.763	8.237	0.94	3.377	8.497	7.987	0.94	3.663	8.278	7.781	0.94	3.945
14	8	8.851	7.700	0.87	3.384	8.559	7.446	0.87	3.669	8.326	7.244	0.87	3.951
14	9	9.220	7.284	0.79	3.411	8.904	7.034	0.79	3.703	8.643	6.828	0.79	3.991
16	8	9.138	8.590	0.94	3.406	8.865	8.333	0.94	3.699	8.638	8.120	0.94	3.990
16	9	9.288	7.895	0.85	3.417	8.973	7.627	0.85	3.709	8.721	7.413	0.85	3.999
16	11	9.716	7.481	0.77	3.445	9.385	7.226	0.77	3.747	9.108	7.013	0.77	4.044
18	10	9.517	8.851	0.93	3.432	9.239	8.592	0.93	3.734	9.003	8.373	0.93	4.032
18	11	9.754	8.193	0.84	3.447	9.422	7.914	0.84	3.749	9.145	7.682	0.84	4.049
18	12	10.236	7.677	0.75	3.476	9.890	7.418	0.75	3.788	9.595	7.196	0.75	4.097
20	16	11.125	6.898	0.62	3.429	10.625	6.588	0.62	3.679	10.125	6.278	0.62	3.983
20	18	12.000	6.000	0.50	3.518	11.625	5.813	0.50	3.786	10.875	5.438	0.50	4.072
20	20	13.000	4.940	0.38	3.608	12.500	4.750	0.38	3.858	11.750	4.465	0.38	4.144
22	16	11.125	7.788	0.70	3.429	10.625	7.438	0.70	3.679	10.125	7.088	0.70	3.983
22	18	12.000	6.960	0.58	3.518	11.625	6.743	0.58	3.786	10.875	6.308	0.58	4.072
22	20	13.000	5.980	0.46	3.608	12.500	5.750	0.46	3.858	11.750	5.405	0.46	4.144
24	16	11.125	8.678	0.78	3.429	10.625	8.288	0.78	3.679	10.125	7.898	0.78	3.983
24	18	12.000	7.920	0.66	3.518	11.625	7.673	0.66	3.786	10.875	7.178	0.66	4.072
24	20	13.000	7.020	0.54	3.608	12.500	6.750	0.54	3.858	11.750	6.345	0.54	4.144
24	22	14.000	5.880	0.42	3.679	13.500	5.670	0.42	3.965	12.750	5.355	0.42	4.215
26	16	11.125	9.568	0.86	3.429	10.625	9.138	0.86	3.679	10.125	8.708	0.86	3.983
26	18	12.000	8.880	0.74	3.518	11.625	8.603	0.74	3.786	10.875	8.048	0.74	4.072
26	20	13.000	8.060	0.62	3.608	12.500	7.750	0.62	3.858	11.750	7.285	0.62	4.144
26	22	14.000	7.000	0.50	3.679	13.500	6.750	0.50	3.965	12.750	6.375	0.50	4.215
27	16	11.125	10.013	0.90	3.429	10.625	9.563	0.90	3.679	10.125	9.113	0.90	3.983
27	18	12.000	9.360	0.78	3.518	11.625	9.068	0.78	3.786	10.875	8.483	0.78	4.072
27	20	13.000	8.580	0.66	3.608	12.500	8.250	0.66	3.858	11.750	7.755	0.66	4.144
27	22	14.000	7.560	0.54	3.679	13.500	7.290	0.54	3.965	12.750	6.885	0.54	4.215
28	16	11.125	10.458	0.94	3.429	10.625	9.988	0.94	3.679	10.125	9.518	0.94	3.983
28	18	12.000	9.840	0.82	3.518	11.625	9.533	0.82	3.786	10.875	8.918	0.82	4.072
28	20	13.000	9.100	0.70	3.608	12.500	8.750	0.70	3.858	11.750	8.225	0.70	4.144
28	22	14.000	8.120	0.58	3.679	13.500	7.830	0.58	3.965	12.750	7.395	0.58	4.215
30	16	11.125	11.125	1.00	3.429	10.625	10.625	1.00	3.679	10.125	10.125	1.00	3.983
30	18	12.000	10.800	0.90	3.518	11.625	10.463	0.90	3.786	10.875	9.788	0.90	4.072
30	20	13.000	10.140	0.78	3.608	12.500	9.750	0.78	3.858	11.750	9.165	0.78	4.144
30	22	14.000	9.240	0.66	3.679	13.500	8.910	0.66	3.965	12.750	8.415	0.66	4.215
32	16	11.125	11.125	1.00	3.429	10.625	10.625	1.00	3.679	10.125	10.125	1.00	3.983
32	18	12.000	11.760	0.98	3.518	11.625	11.393	0.98	3.786	10.875	10.658	0.98	4.072
32	20	13.000	11.180	0.86	3.608	12.500	10.750	0.86	3.858	11.750	10.105	0.86	4.144
32	22	14.000	10.360	0.74	3.679	13.500	9.990	0.74	3.965	12.750	9.435	0.74	4.215
34	16	11.125	11.125	1.00	3.429	10.625	10.625	1.00	3.679	10.125	10.125	1.00	3.983
34	18	12.000	12.000	1.00	3.518	11.625	11.625	1.00	3.786	10.875	10.875	1.00	4.072
34	20	13.000	12.220	0.94	3.608	12.500	11.750	0.94	3.858	11.750	11.045	0.94	4.144
34	22	14.000	11.480	0.82	3.679	13.500	11.070	0.82	3.965	12.750	10.455	0.82	4.215

COOLING CAPACITY

PLA-M140EA2 / PUZ-ZM140VDA, PUZ-ZM140YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	10.133	9.322	0.92	2.745	9.896	9.104	0.92	2.998	9.659	8.886	0.92	3.251
14	8	10.349	8.797	0.85	2.744	10.072	8.561	0.85	3.002	9.796	8.327	0.85	3.259
14	9	10.777	8.298	0.77	2.739	10.489	8.077	0.77	3.008	10.201	7.855	0.77	3.278
16	8	10.557	9.712	0.92	2.740	10.313	9.488	0.92	3.006	10.068	9.263	0.92	3.272
16	9	10.855	9.010	0.83	2.738	10.566	8.770	0.83	3.010	10.276	8.529	0.83	3.281
16	11	11.355	8.516	0.75	2.731	11.051	8.288	0.75	3.017	10.746	8.060	0.75	3.302
18	10	10.994	10.005	0.91	2.736	10.738	9.772	0.91	3.013	10.481	9.538	0.91	3.290
18	11	11.398	9.346	0.82	2.732	11.092	9.095	0.82	3.018	10.787	8.845	0.82	3.303
18	12	11.968	8.737	0.73	2.723	11.643	8.499	0.73	3.022	11.319	8.263	0.73	3.321
20	16	13.266	7.960	0.60	2.995	12.864	7.718	0.60	3.164	12.462	7.477	0.60	3.351
20	18	14.204	6.818	0.48	3.051	13.802	6.625	0.48	3.220	13.333	6.400	0.48	3.444
20	20	15.276	5.499	0.36	3.145	14.941	5.379	0.36	3.295	14.539	5.234	0.36	3.519
22	16	13.266	9.021	0.68	2.995	12.864	8.748	0.68	3.164	12.462	8.474	0.68	3.351
22	18	14.204	7.954	0.56	3.051	13.802	7.729	0.56	3.220	13.333	7.466	0.56	3.444
22	20	15.276	6.721	0.44	3.145	14.941	6.574	0.44	3.295	14.539	6.397	0.44	3.519
24	16	13.266	10.082	0.76	2.995	12.864	9.777	0.76	3.164	12.462	9.471	0.76	3.351
24	18	14.204	9.091	0.64	3.051	13.802	8.833	0.64	3.220	13.333	8.533	0.64	3.444
24	20	15.276	7.944	0.52	3.145	14.941	7.769	0.52	3.295	14.539	7.560	0.52	3.519
24	22	16.281	6.512	0.40	3.220	15.946	6.378	0.40	3.407	15.544	6.218	0.40	3.632
26	16	13.266	11.143	0.84	2.995	12.864	10.806	0.84	3.164	12.462	10.468	0.84	3.351
26	18	14.204	10.227	0.72	3.051	13.802	9.937	0.72	3.220	13.333	9.600	0.72	3.444
26	20	15.276	9.166	0.60	3.145	14.941	8.965	0.60	3.295	14.539	8.723	0.60	3.519
26	22	16.281	7.815	0.48	3.220	15.946	7.654	0.48	3.407	15.544	7.461	0.48	3.632
27	16	13.266	11.674	0.88	2.995	12.864	11.320	0.88	3.164	12.462	10.967	0.88	3.351
27	18	14.204	10.795	0.76	3.051	13.802	10.490	0.76	3.220	13.333	10.133	0.76	3.444
27	20	15.276	9.777	0.64	3.145	14.941	9.562	0.64	3.295	14.539	9.305	0.64	3.519
27	22	16.281	8.466	0.52	3.220	15.946	8.292	0.52	3.407	15.544	8.083	0.52	3.632
28	16	13.266	12.205	0.92	2.995	12.864	11.835	0.92	3.164	12.462	11.465	0.92	3.351
28	18	14.204	11.363	0.80	3.051	13.802	11.042	0.80	3.220	13.333	10.666	0.80	3.444
28	20	15.276	10.388	0.68	3.145	14.941	10.160	0.68	3.295	14.539	9.887	0.68	3.519
28	22	16.281	9.117	0.56	3.220	15.946	8.930	0.56	3.407	15.544	8.705	0.56	3.632
30	16	13.266	13.266	1.00	2.995	12.864	12.864	1.00	3.164	12.462	12.462	1.00	3.351
30	18	14.204	12.500	0.88	3.051	13.802	12.146	0.88	3.220	13.333	11.733	0.88	3.444
30	20	15.276	11.610	0.76	3.145	14.941	11.355	0.76	3.295	14.539	11.050	0.76	3.519
30	22	16.281	10.420	0.64	3.220	15.946	10.205	0.64	3.407	15.544	9.948	0.64	3.632
32	16	13.266	13.266	1.00	2.995	12.864	12.864	1.00	3.164	12.462	12.462	1.00	3.351
32	18	14.204	13.636	0.96	3.051	13.802	13.250	0.96	3.220	13.333	12.800	0.96	3.444
32	20	15.276	12.832	0.84	3.145	14.941	12.550	0.84	3.295	14.539	12.213	0.84	3.519
32	22	16.281	11.722	0.72	3.220	15.946	11.481	0.72	3.407	15.544	11.192	0.72	3.632
34	16	13.266	13.266	1.00	2.995	12.864	12.864	1.00	3.164	12.462	12.462	1.00	3.351
34	18	14.204	14.204	1.00	3.051	13.802	13.802	1.00	3.220	13.333	13.333	1.00	3.444
34	20	15.276	14.054	0.92	3.145	14.941	13.746	0.92	3.295	14.539	13.376	0.92	3.519
34	22	16.281	13.025	0.80	3.220	15.946	12.757	0.80	3.407	15.544	12.435	0.80	3.632

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	9.394	8.642	0.92	3.540	9.109	8.380	0.92	3.839	8.874	8.164	0.92	4.135
14	8	9.488	8.065	0.85	3.547	9.175	7.799	0.85	3.846	8.926	7.587	0.85	4.142
14	9	9.883	7.610	0.77	3.576	9.545	7.350	0.77	3.881	9.265	7.134	0.77	4.183
16	8	9.796	9.012	0.92	3.570	9.503	8.743	0.92	3.877	9.260	8.519	0.92	4.182
16	9	9.957	8.264	0.83	3.581	9.619	7.984	0.83	3.887	9.348	7.759	0.83	4.192
16	11	10.415	7.811	0.75	3.611	10.061	7.546	0.75	3.927	9.764	7.323	0.75	4.239
18	10	10.203	9.285	0.91	3.597	9.904	9.013	0.91	3.914	9.652	8.783	0.91	4.226
18	11	10.456	8.574	0.82	3.613	10.100	8.282	0.82	3.930	9.803	8.038	0.82	4.244
18	12	10.973	8.010	0.73	3.643	10.602	7.739	0.73	3.971	10.286	7.509	0.73	4.294
20	16	11.926	7.156	0.60	3.594	11.390	6.834	0.60	3.856	10.854	6.512	0.60	4.175
20	18	12.864	6.175	0.48	3.688	12.462	5.982	0.48	3.969	11.658	5.596	0.48	4.268
20	20	13.936	5.017	0.36	3.781	13.400	4.824	0.36	4.044	12.596	4.535	0.36	4.343
22	16	11.926	8.110	0.68	3.594	11.390	7.745	0.68	3.856	10.854	7.381	0.68	4.175
22	18	12.864	7.204	0.56	3.688	12.462	6.979	0.56	3.969	11.658	6.528	0.56	4.268
22	20	13.936	6.132	0.44	3.781	13.400	5.896	0.44	4.044	12.596	5.542	0.44	4.343
24	16	11.926	9.064	0.76	3.594	11.390	8.656	0.76	3.856	10.854	8.249	0.76	4.175
24	18	12.864	8.233	0.64	3.688	12.462	7.976	0.64	3.969	11.658	7.461	0.64	4.268
24	20	13.936	7.247	0.52	3.781	13.400	6.968	0.52	4.044	12.596	6.550	0.52	4.343
24	22	15.008	6.003	0.40	3.856	14.472	5.789	0.40	4.156	13.668	5.467	0.40	4.418
26	16	11.926	10.018	0.84	3.594	11.390	9.568	0.84	3.856	10.854	9.117	0.84	4.175
26	18	12.864	9.262	0.72	3.688	12.462	8.973	0.72	3.969	11.658	8.394	0.72	4.268
26	20	13.936	8.362	0.60	3.781	13.400	8.040	0.60	4.044	12.596	7.558	0.60	4.343
26	22	15.008	7.204	0.48	3.856	14.472	6.947	0.48	4.156	13.668	6.561	0.48	4.418
27	16	11.926	10.495	0.88	3.594	11.390	10.023	0.88	3.856	10.854	9.552	0.88	4.175
27	18	12.864	9.777	0.76	3.688	12.462	9.471	0.76	3.969	11.658	8.860	0.76	4.268
27	20	13.936	8.919	0.64	3.781	13.400	8.576	0.64	4.044	12.596	8.061	0.64	4.343
27	22	15.008	7.804	0.52	3.856	14.472	7.525	0.52	4.156	13.668	7.107	0.52	4.418
28	16	11.926	10.972	0.92	3.594	11.390	10.479	0.92	3.856	10.854	9.986	0.92	4.175
28	18	12.864	10.291	0.80	3.688	12.462	9.970	0.80	3.969	11.658	9.326	0.80	4.268
28	20	13.936	9.476	0.68	3.781	13.400	9.112	0.68	4.044	12.596	8.565	0.68	4.343
28	22	15.008	8.404	0.56	3.856	14.472	8.104	0.56	4.156	13.668	7.654	0.56	4.418
30	16	11.926	11.926	1.00	3.594	11.390	11.390	1.00	3.856	10.854	10.854	1.00	4.175
30	18	12.864	11.320	0.88	3.688	12.462	10.967	0.88	3.969	11.658	10.259	0.88	4.268
30	20	13.936	10.591	0.76	3.781	13.400	10.184	0.76	4.044	12.596	9.573	0.76	4.343
30	22	15.008	9.605	0.64	3.856	14.472	9.262	0.64	4.156	13.668	8.748	0.64	4.418
32	16	11.926	11.926	1.00	3.594	11.390	11.390	1.00	3.856	10.854	10.854	1.00	4.175
32	18	12.864	12.349	0.96	3.688	12.462	11.964	0.96	3.969	11.658	11.192	0.96	4.268
32	20	13.936	11.706	0.84	3.781	13.400	11.256	0.84	4.044	12.596	10.581	0.84	4.343
32	22	15.008	10.806	0.72	3.856	14.472	10.420	0.72	4.156	13.668	9.841	0.72	4.418
34	16	11.926	11.926	1.00	3.594	11.390	11.390	1.00	3.856	10.854	10.854	1.00	4.175
34	18	12.864	12.864	1.00	3.688	12.462	12.462	1.00	3.969	11.658	11.658	1.00	4.268
34	20	13.936	12.821	0.92	3.781	13.400	12.328	0.92	4.044	12.596	11.588	0.92	4.343
34	22	15.008	12.006	0.80	3.856	14.472	11.578	0.80	4.156	13.668	10.934	0.80	4.418

HEATING CAPACITY

PLA-M-EA2 / PUZ-ZM-VDA, PUZ-ZM-YDA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)
PLA-M100EA2	15	7.112	1.585	7.728	1.746	8.624	2.015	11.312	2.417	12.768	2.686	14.224	2.901
PUZ-ZM100VDA	20	6.832	1.719	7.392	1.880	8.176	2.176	10.920	2.605	12.320	2.901	13.720	3.116
PUZ-ZM100YDA	25	6.608	1.826	7.168	2.041	7.840	2.364	10.304	2.767	11.872	3.102	13.216	3.344
PLA-M125EA2	15	8.890	2.360	9.660	2.600	10.780	3.000	14.140	3.600	15.960	4.000	17.780	4.320
PUZ-ZM125VDA	20	8.540	2.560	9.240	2.800	10.220	3.240	13.650	3.880	15.400	4.320	17.150	4.640
PUZ-ZM125YDA	25	8.260	2.720	8.960	3.040	9.800	3.520	12.880	4.120	14.840	4.620	16.520	4.980
PLA-M140EA2	15	10.160	2.697	11.040	2.972	12.320	3.429	16.160	4.115	18.240	4.572	20.320	4.938
PUZ-ZM140VDA	20	9.760	2.926	10.560	3.200	11.680	3.703	15.600	4.435	17.600	4.938	19.600	5.304
PUZ-ZM140YDA	25	9.440	3.109	10.240	3.475	11.200	4.023	14.720	4.709	16.960	5.281	18.880	5.692

Note:

CA : Capacity (kW) SHC : Sensible heat capacity (kW) D.B. : Dry-bulb temperature (°C)
P.C. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature (°C)

COOLING CAPACITY

PKA-M100KA2, PKA-M100KAL2 / PUZ-ZM100VDA, PUZ-ZM100YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	7.184	6.825	0.95	1.786	7.016	6.665	0.95	1.951	6.848	6.506	0.95	2.115
14	8	7.337	6.457	0.88	1.785	7.141	6.284	0.88	1.953	6.945	6.112	0.88	2.121
14	9	7.641	6.113	0.80	1.782	7.436	5.949	0.80	1.957	7.232	5.786	0.80	2.133
16	8	7.485	7.111	0.95	1.783	7.311	6.945	0.95	1.956	7.138	6.781	0.95	2.129
16	9	7.696	6.619	0.86	1.782	7.491	6.442	0.86	1.958	7.286	6.266	0.86	2.135
16	11	8.050	6.279	0.78	1.777	7.834	6.111	0.78	1.963	7.619	5.943	0.78	2.148
18	10	7.794	7.326	0.94	1.780	7.613	7.156	0.94	1.960	7.431	6.985	0.94	2.141
18	11	8.080	6.868	0.85	1.778	7.864	6.684	0.85	1.963	7.647	6.500	0.85	2.149
18	12	8.485	6.449	0.76	1.772	8.255	6.274	0.76	1.966	8.024	6.098	0.76	2.161
20	16	9.405	5.925	0.63	1.949	9.120	5.746	0.63	2.058	8.835	5.566	0.63	2.180
20	18	10.070	5.136	0.51	1.985	9.785	4.990	0.51	2.095	9.453	4.821	0.51	2.241
20	20	10.830	4.224	0.39	2.046	10.593	4.131	0.39	2.144	10.308	4.020	0.39	2.290
22	16	9.405	6.678	0.71	1.949	9.120	6.475	0.71	2.058	8.835	6.273	0.71	2.180
22	18	10.070	5.941	0.59	1.985	9.785	5.773	0.59	2.095	9.453	5.577	0.59	2.241
22	20	10.830	5.090	0.47	2.046	10.593	4.979	0.47	2.144	10.308	4.845	0.47	2.290
24	16	9.405	7.430	0.79	1.949	9.120	7.205	0.79	2.058	8.835	6.980	0.79	2.180
24	18	10.070	6.747	0.67	1.985	9.785	6.556	0.67	2.095	9.453	6.334	0.67	2.241
24	20	10.830	5.957	0.55	2.046	10.593	5.826	0.55	2.144	10.308	5.669	0.55	2.290
24	22	11.543	4.963	0.43	2.095	11.305	4.861	0.43	2.217	11.020	4.739	0.43	2.363
26	16	9.405	8.182	0.87	1.949	9.120	7.934	0.87	2.058	8.835	7.686	0.87	2.180
26	18	10.070	7.553	0.75	1.985	9.785	7.339	0.75	2.095	9.453	7.090	0.75	2.241
26	20	10.830	6.823	0.63	2.046	10.593	6.674	0.63	2.144	10.308	6.494	0.63	2.290
26	22	11.543	5.887	0.51	2.095	11.305	5.766	0.51	2.217	11.020	5.620	0.51	2.363
27	16	9.405	8.559	0.91	1.949	9.120	8.299	0.91	2.058	8.835	8.040	0.91	2.180
27	18	10.070	7.955	0.79	1.985	9.785	7.730	0.79	2.095	9.453	7.468	0.79	2.241
27	20	10.830	7.256	0.67	2.046	10.593	7.097	0.67	2.144	10.308	6.906	0.67	2.290
27	22	11.543	6.349	0.55	2.095	11.305	6.218	0.55	2.217	11.020	6.061	0.55	2.363
28	16	9.405	8.935	0.95	1.949	9.120	8.664	0.95	2.058	8.835	8.393	0.95	2.180
28	18	10.070	8.358	0.83	1.985	9.785	8.122	0.83	2.095	9.453	7.846	0.83	2.241
28	20	10.830	7.689	0.71	2.046	10.593	7.521	0.71	2.144	10.308	7.319	0.71	2.290
28	22	11.543	6.810	0.59	2.095	11.305	6.670	0.59	2.217	11.020	6.502	0.59	2.363
30	16	9.405	9.405	1.00	1.949	9.120	9.120	1.00	2.058	8.835	8.835	1.00	2.180
30	18	10.070	9.164	0.91	1.985	9.785	8.904	0.91	2.095	9.453	8.602	0.91	2.241
30	20	10.830	8.556	0.79	2.046	10.593	8.368	0.79	2.144	10.308	8.143	0.79	2.290
30	22	11.543	7.734	0.67	2.095	11.305	7.574	0.67	2.217	11.020	7.383	0.67	2.363
32	16	9.405	9.405	1.00	1.949	9.120	9.120	1.00	2.058	8.835	8.835	1.00	2.180
32	18	10.070	9.969	0.99	1.985	9.785	9.687	0.99	2.095	9.453	9.358	0.99	2.241
32	20	10.830	9.422	0.87	2.046	10.593	9.216	0.87	2.144	10.308	8.968	0.87	2.290
32	22	11.543	8.657	0.75	2.095	11.305	8.479	0.75	2.217	11.020	8.265	0.75	2.363
34	16	9.405	9.405	1.00	1.949	9.120	9.120	1.00	2.058	8.835	8.835	1.00	2.180
34	18	10.070	10.070	1.00	1.985	9.785	9.785	1.00	2.095	9.453	9.453	1.00	2.241
34	20	10.830	10.289	0.95	2.046	10.593	10.063	0.95	2.144	10.308	9.793	0.95	2.290
34	22	11.543	9.581	0.83	2.095	11.305	9.383	0.83	2.217	11.020	9.147	0.83	2.363

OUTDOOR UNIT
PERFORMANCE DATA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	6.660	6.327	0.95	2.303	6.458	6.135	0.95	2.498	6.291	5.976	0.95	2.690
14	8	6.727	5.920	0.88	2.308	6.505	5.724	0.88	2.502	6.328	5.569	0.88	2.695
14	9	7.007	5.606	0.80	2.326	6.767	5.414	0.80	2.525	6.569	5.255	0.80	2.721
16	8	6.945	6.598	0.95	2.323	6.737	6.400	0.95	2.522	6.565	6.237	0.95	2.721
16	9	7.059	6.071	0.86	2.330	6.819	5.864	0.86	2.529	6.628	5.700	0.86	2.727
16	11	7.384	5.760	0.78	2.350	7.133	5.564	0.78	2.555	6.922	5.399	0.78	2.758
18	10	7.233	6.799	0.94	2.341	7.021	6.600	0.94	2.546	6.843	6.432	0.94	2.750
18	11	7.413	6.301	0.85	2.351	7.161	6.087	0.85	2.557	6.950	5.908	0.85	2.761
18	12	7.779	5.912	0.76	2.370	7.516	5.712	0.76	2.584	7.292	5.542	0.76	2.794
20	16	8.455	5.327	0.63	2.339	8.075	5.087	0.63	2.509	7.695	4.848	0.63	2.716
20	18	9.120	4.651	0.51	2.399	8.835	4.506	0.51	2.582	8.265	4.215	0.51	2.777
20	20	9.880	3.853	0.39	2.460	9.500	3.705	0.39	2.631	8.930	3.483	0.39	2.826
22	16	8.455	6.003	0.71	2.339	8.075	5.733	0.71	2.509	7.695	5.463	0.71	2.716
22	18	9.120	5.381	0.59	2.399	8.835	5.213	0.59	2.582	8.265	4.876	0.59	2.777
22	20	9.880	4.644	0.47	2.460	9.500	4.465	0.47	2.631	8.930	4.197	0.47	2.826
24	16	8.455	6.679	0.79	2.339	8.075	6.379	0.79	2.509	7.695	6.079	0.79	2.716
24	18	9.120	6.110	0.67	2.399	8.835	5.919	0.67	2.582	8.265	5.538	0.67	2.777
24	20	9.880	5.434	0.55	2.460	9.500	5.225	0.55	2.631	8.930	4.912	0.55	2.826
24	22	10.640	4.575	0.43	2.509	10.260	4.412	0.43	2.704	9.690	4.167	0.43	2.874
26	16	8.455	7.356	0.87	2.339	8.075	7.025	0.87	2.509	7.695	6.695	0.87	2.716
26	18	9.120	6.840	0.75	2.399	8.835	6.626	0.75	2.582	8.265	6.199	0.75	2.777
26	20	9.880	6.224	0.63	2.460	9.500	5.985	0.63	2.631	8.930	5.626	0.63	2.826
26	22	10.640	5.426	0.51	2.509	10.260	5.233	0.51	2.704	9.690	4.942	0.51	2.874
27	16	8.455	7.694	0.91	2.339	8.075	7.348	0.91	2.509	7.695	7.002	0.91	2.716
27	18	9.120	7.205	0.79	2.399	8.835	6.980	0.79	2.582	8.265	6.529	0.79	2.777
27	20	9.880	6.620	0.67	2.460	9.500	6.365	0.67	2.631	8.930	5.983	0.67	2.826
27	22	10.640	5.852	0.55	2.509	10.260	5.643	0.55	2.704	9.690	5.330	0.55	2.874
28	16	8.455	8.032	0.95	2.339	8.075	7.671	0.95	2.509	7.695	7.310	0.95	2.716
28	18	9.120	7.570	0.83	2.399	8.835	7.333	0.83	2.582	8.265	6.860	0.83	2.777
28	20	9.880	7.015	0.71	2.460	9.500	6.745	0.71	2.631	8.930	6.340	0.71	2.826
28	22	10.640	6.278	0.59	2.509	10.260	6.053	0.59	2.704	9.690	5.717	0.59	2.874
30	16	8.455	8.455	1.00	2.339	8.075	8.075	1.00	2.509	7.695	7.695	1.00	2.716
30	18	9.120	8.299	0.91	2.399	8.835	8.040	0.91	2.582	8.265	7.521	0.91	2.777
30	20	9.880	7.805	0.79	2.460	9.500	7.505	0.79	2.631	8.930	7.055	0.79	2.826
30	22	10.640	7.129	0.67	2.509	10.260	6.874	0.67	2.704	9.690	6.492	0.67	2.874
32	16	8.455	8.455	1.00	2.339	8.075	8.075	1.00	2.509	7.695	7.695	1.00	2.716
32	18	9.120	9.029	0.99	2.399	8.835	8.747	0.99	2.582	8.265	8.182	0.99	2.777
32	20	9.880	8.596	0.87	2.460	9.500	8.265	0.87	2.631	8.930	7.769	0.87	2.826
32	22	10.640	7.980	0.75	2.509	10.260	7.695	0.75	2.704	9.690	7.268	0.75	2.874
34	16	8.455	8.455	1.00	2.339	8.075	8.075	1.00	2.509	7.695	7.695	1.00	2.716
34	18	9.120	9.120	1.00	2.399	8.835	8.835	1.00	2.582	8.265	8.265	1.00	2.777
34	20	9.880	9.386	0.95	2.460	9.500	9.025	0.95	2.631	8.930	8.494	0.95	2.826
34	22	10.640	8.831	0.83	2.509	10.260	8.516	0.83	2.704	9.690	8.043	0.83	2.874

HEATING CAPACITY
PKA-M-KA2, PKA-M-KAL2 / PUZ-ZM-VDA, PUZ-ZM-YDA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)
PKA-M100KA2 PKA-M100KAL2 PUZ-ZM100VDA PUZ-ZM100YDA	15	7.112	1.831	7.728	2.017	8.624	2.327	11.312	2.793	12.768	3.103	14.224	3.351
	20	6.832	1.986	7.392	2.172	8.176	2.513	10.920	3.010	12.320	3.351	13.720	3.599
	25	6.608	2.110	7.168	2.358	7.840	2.731	10.304	3.196	11.872	3.584	13.216	3.863

Note:
CA : Capacity (kW) SHC : Sensible heat capacity (kW) D.B. : Dry-bulb temperature (°C)
P.C. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature (°C)

COOLING CAPACITY

PCA-M100KA2 / PUZ-ZM100VDA, PUZ-ZM100YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	7.184	7.112	0.99	1.741	7.016	6.946	0.99	1.902	6.848	6.780	0.99	2.063
14	8	7.337	6.750	0.92	1.741	7.141	6.570	0.92	1.904	6.945	6.389	0.92	2.068
14	9	7.641	6.418	0.84	1.738	7.436	6.246	0.84	1.908	7.232	6.075	0.84	2.079
16	8	7.485	7.410	0.99	1.738	7.311	7.238	0.99	1.907	7.138	7.067	0.99	2.076
16	9	7.696	6.926	0.90	1.737	7.491	6.742	0.90	1.909	7.286	6.557	0.90	2.081
16	11	8.050	6.601	0.82	1.733	7.834	6.424	0.82	1.914	7.619	6.248	0.82	2.094
18	10	7.794	7.638	0.98	1.735	7.613	7.461	0.98	1.911	7.431	7.282	0.98	2.087
18	11	8.080	7.191	0.89	1.733	7.864	6.999	0.89	1.914	7.647	6.806	0.89	2.095
18	12	8.485	6.788	0.80	1.727	8.255	6.604	0.80	1.917	8.024	6.419	0.80	2.107
20	16	9.405	6.301	0.67	1.900	9.120	6.110	0.67	2.007	8.835	5.919	0.67	2.126
20	18	10.070	5.539	0.55	1.936	9.785	5.382	0.55	2.043	9.453	5.199	0.55	2.185
20	20	10.830	4.657	0.43	1.995	10.593	4.555	0.43	2.090	10.308	4.432	0.43	2.233
22	16	9.405	7.054	0.75	1.900	9.120	6.840	0.75	2.007	8.835	6.626	0.75	2.126
22	18	10.070	6.344	0.63	1.936	9.785	6.165	0.63	2.043	9.453	5.955	0.63	2.185
22	20	10.830	5.523	0.51	1.995	10.593	5.402	0.51	2.090	10.308	5.257	0.51	2.233
24	16	9.405	7.806	0.83	1.900	9.120	7.570	0.83	2.007	8.835	7.333	0.83	2.126
24	18	10.070	7.150	0.71	1.936	9.785	6.947	0.71	2.043	9.453	6.712	0.71	2.185
24	20	10.830	6.390	0.59	1.995	10.593	6.250	0.59	2.090	10.308	6.082	0.59	2.233
24	22	11.543	5.425	0.47	2.043	11.305	5.313	0.47	2.161	11.020	5.179	0.47	2.304
26	16	9.405	8.559	0.91	1.900	9.120	8.299	0.91	2.007	8.835	8.040	0.91	2.126
26	18	10.070	7.955	0.79	1.936	9.785	7.730	0.79	2.043	9.453	7.468	0.79	2.185
26	20	10.830	7.256	0.67	1.995	10.593	7.097	0.67	2.090	10.308	6.906	0.67	2.233
26	22	11.543	6.349	0.55	2.043	11.305	6.218	0.55	2.161	11.020	6.061	0.55	2.304
27	16	9.405	8.935	0.95	1.900	9.120	8.664	0.95	2.007	8.835	8.393	0.95	2.126
27	18	10.070	8.358	0.83	1.936	9.785	8.122	0.83	2.043	9.453	7.846	0.83	2.185
27	20	10.830	7.689	0.71	1.995	10.593	7.521	0.71	2.090	10.308	7.319	0.71	2.233
27	22	11.543	6.810	0.59	2.043	11.305	6.670	0.59	2.161	11.020	6.502	0.59	2.304
28	16	9.405	9.311	0.99	1.900	9.120	9.029	0.99	2.007	8.835	8.747	0.99	2.126
28	18	10.070	8.761	0.87	1.936	9.785	8.513	0.87	2.043	9.453	8.224	0.87	2.185
28	20	10.830	8.123	0.75	1.995	10.593	7.945	0.75	2.090	10.308	7.731	0.75	2.233
28	22	11.543	7.272	0.63	2.043	11.305	7.122	0.63	2.161	11.020	6.943	0.63	2.304
30	16	9.405	9.405	1.00	1.900	9.120	9.120	1.00	2.007	8.835	8.835	1.00	2.126
30	18	10.070	9.567	0.95	1.936	9.785	9.296	0.95	2.043	9.453	8.980	0.95	2.185
30	20	10.830	8.989	0.83	1.995	10.593	8.792	0.83	2.090	10.308	8.556	0.83	2.233
30	22	11.543	8.196	0.71	2.043	11.305	8.027	0.71	2.161	11.020	7.824	0.71	2.304
32	16	9.405	9.405	1.00	1.900	9.120	9.120	1.00	2.007	8.835	8.835	1.00	2.126
32	18	10.070	10.070	1.00	1.936	9.785	9.785	1.00	2.043	9.453	9.453	1.00	2.185
32	20	10.830	9.855	0.91	1.995	10.593	9.640	0.91	2.090	10.308	9.380	0.91	2.233
32	22	11.543	9.119	0.79	2.043	11.305	8.931	0.79	2.161	11.020	8.706	0.79	2.304
34	16	9.405	9.405	1.00	1.900	9.120	9.120	1.00	2.007	8.835	8.835	1.00	2.126
34	18	10.070	10.070	1.00	1.936	9.785	9.785	1.00	2.043	9.453	9.453	1.00	2.185
34	20	10.830	10.722	0.99	1.995	10.593	10.487	0.99	2.090	10.308	10.205	0.99	2.233
34	22	11.543	10.042	0.87	2.043	11.305	9.835	0.87	2.161	11.020	9.587	0.87	2.304

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	6.660	6.593	0.99	2.246	6.458	6.393	0.99	2.435	6.291	6.228	0.99	2.623
14	8	6.727	6.189	0.92	2.250	6.505	5.985	0.92	2.440	6.328	5.822	0.92	2.627
14	9	7.007	5.886	0.84	2.268	6.767	5.684	0.84	2.462	6.569	5.518	0.84	2.653
16	8	6.945	6.876	0.99	2.265	6.737	6.670	0.99	2.459	6.565	6.499	0.99	2.653
16	9	7.059	6.353	0.90	2.272	6.819	6.137	0.90	2.466	6.628	5.965	0.90	2.659
16	11	7.384	6.055	0.82	2.291	7.133	5.849	0.82	2.491	6.922	5.676	0.82	2.689
18	10	7.233	7.088	0.98	2.282	7.021	6.881	0.98	2.483	6.843	6.706	0.98	2.681
18	11	7.413	6.598	0.89	2.292	7.161	6.373	0.89	2.493	6.950	6.186	0.89	2.692
18	12	7.779	6.223	0.80	2.311	7.516	6.013	0.80	2.519	7.292	5.834	0.80	2.724
20	16	8.455	5.665	0.67	2.280	8.075	5.410	0.67	2.446	7.695	5.156	0.67	2.648
20	18	9.120	5.016	0.55	2.339	8.835	4.859	0.55	2.518	8.265	4.546	0.55	2.708
20	20	9.880	4.248	0.43	2.399	9.500	4.085	0.43	2.565	8.930	3.840	0.43	2.755
22	16	8.455	6.341	0.75	2.280	8.075	6.056	0.75	2.446	7.695	5.771	0.75	2.648
22	18	9.120	5.746	0.63	2.339	8.835	5.566	0.63	2.518	8.265	5.207	0.63	2.708
22	20	9.880	5.039	0.51	2.399	9.500	4.845	0.51	2.565	8.930	4.554	0.51	2.755
24	16	8.455	7.018	0.83	2.280	8.075	6.702	0.83	2.446	7.695	6.387	0.83	2.648
24	18	9.120	6.475	0.71	2.339	8.835	6.273	0.71	2.518	8.265	5.868	0.71	2.708
24	20	9.880	5.829	0.59	2.399	9.500	5.605	0.59	2.565	8.930	5.269	0.59	2.755
24	22	10.640	5.001	0.47	2.446	10.260	4.822	0.47	2.636	9.690	4.554	0.47	2.803
26	16	8.455	7.694	0.91	2.280	8.075	7.348	0.91	2.446	7.695	7.002	0.91	2.648
26	18	9.120	7.205	0.79	2.339	8.835	6.980	0.79	2.518	8.265	6.529	0.79	2.708
26	20	9.880	6.620	0.67	2.399	9.500	6.365	0.67	2.565	8.930	5.983	0.67	2.755
26	22	10.640	5.852	0.55	2.446	10.260	5.643	0.55	2.636	9.690	5.330	0.55	2.803
27	16	8.455	8.032	0.95	2.280	8.075	7.671	0.95	2.446	7.695	7.310	0.95	2.648
27	18	9.120	7.570	0.83	2.339	8.835	7.333	0.83	2.518	8.265	6.860	0.83	2.708
27	20	9.880	7.015	0.71	2.399	9.500	6.745	0.71	2.565	8.930	6.340	0.71	2.755
27	22	10.640	6.278	0.59	2.446	10.260	6.053	0.59	2.636	9.690	5.717	0.59	2.803
28	16	8.455	8.370	0.99	2.280	8.075	7.994	0.99	2.446	7.695	7.618	0.99	2.648
28	18	9.120	7.934	0.87	2.339	8.835	7.686	0.87	2.518	8.265	7.191	0.87	2.708
28	20	9.880	7.410	0.75	2.399	9.500	7.125	0.75	2.565	8.930	6.698	0.75	2.755
28	22	10.640	6.703	0.63	2.446	10.260	6.464	0.63	2.636	9.690	6.105	0.63	2.803
30	16	8.455	8.455	1.00	2.280	8.075	8.075	1.00	2.446	7.695	7.695	1.00	2.648
30	18	9.120	8.664	0.95	2.339	8.835	8.393	0.95	2.518	8.265	7.852	0.95	2.708
30	20	9.880	8.200	0.83	2.399	9.500	7.885	0.83	2.565	8.930	7.412	0.83	2.755
30	22	10.640	7.554	0.71	2.446	10.260	7.285	0.71	2.636	9.690	6.880	0.71	2.803
32	16	8.455	8.455	1.00	2.280	8.075	8.075	1.00	2.446	7.695	7.695	1.00	2.648
32	18	9.120	9.120	1.00	2.339	8.835	8.835	1.00	2.518	8.265	8.265	1.00	2.708
32	20	9.880	8.991	0.91	2.399	9.500	8.645	0.91	2.565	8.930	8.126	0.91	2.755
32	22	10.640	8.406	0.79	2.446	10.260	8.105	0.79	2.636	9.690	7.655	0.79	2.803
34	16	8.455	8.455	1.00	2.280	8.075	8.075	1.00	2.446	7.695	7.695	1.00	2.648
34	18	9.120	9.120	1.00	2.339	8.835	8.835	1.00	2.518	8.265	8.265	1.00	2.708
34	20	9.880	9.781	0.99	2.399	9.500	9.405	0.99	2.565	8.930	8.841	0.99	2.755
34	22	10.640	9.257	0.87	2.446	10.260	8.926	0.87	2.636	9.690	8.430	0.87	2.803

COOLING CAPACITY

PCA-M125KA2 / PUZ-ZM125VDA, PUZ-ZM125YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	9.453	8.886	0.94	2.777	9.232	8.678	0.94	3.033	9.010	8.469	0.94	3.290
14	8	9.654	8.399	0.87	2.776	9.396	8.175	0.87	3.037	9.138	7.950	0.87	3.298
14	9	10.053	7.942	0.79	2.771	9.784	7.729	0.79	3.044	9.515	7.517	0.79	3.316
16	8	9.848	9.257	0.94	2.773	9.620	9.043	0.94	3.042	9.392	8.828	0.94	3.310
16	9	10.126	8.607	0.85	2.770	9.856	8.378	0.85	3.045	9.586	8.148	0.85	3.320
16	11	10.592	8.156	0.77	2.763	10.308	7.937	0.77	3.052	10.025	7.719	0.77	3.341
18	10	10.256	9.538	0.93	2.768	10.017	9.316	0.93	3.048	9.777	9.093	0.93	3.329
18	11	10.632	8.931	0.84	2.764	10.347	8.691	0.84	3.053	10.062	8.452	0.84	3.342
18	12	11.164	8.373	0.75	2.755	10.861	8.146	0.75	3.058	10.558	7.919	0.75	3.360
20	16	12.375	7.673	0.62	3.030	12.000	7.440	0.62	3.201	11.625	7.208	0.62	3.390
20	18	13.250	6.625	0.50	3.087	12.875	6.438	0.50	3.258	12.438	6.219	0.50	3.485
20	20	14.250	5.415	0.38	3.182	13.938	5.296	0.38	3.333	13.563	5.154	0.38	3.561
22	16	12.375	8.663	0.70	3.030	12.000	8.400	0.70	3.201	11.625	8.138	0.70	3.390
22	18	13.250	7.685	0.58	3.087	12.875	7.468	0.58	3.258	12.438	7.214	0.58	3.485
22	20	14.250	6.555	0.46	3.182	13.938	6.411	0.46	3.333	13.563	6.239	0.46	3.561
24	16	12.375	9.653	0.78	3.030	12.000	9.360	0.78	3.201	11.625	9.068	0.78	3.390
24	18	13.250	8.745	0.66	3.087	12.875	8.498	0.66	3.258	12.438	8.209	0.66	3.485
24	20	14.250	7.695	0.54	3.182	13.938	7.527	0.54	3.333	13.563	7.324	0.54	3.561
24	22	15.188	6.379	0.42	3.258	14.875	6.248	0.42	3.447	14.500	6.090	0.42	3.674
26	16	12.375	10.643	0.86	3.030	12.000	10.320	0.86	3.201	11.625	9.998	0.86	3.390
26	18	13.250	9.805	0.74	3.087	12.875	9.528	0.74	3.258	12.438	9.204	0.74	3.485
26	20	14.250	8.835	0.62	3.182	13.938	8.642	0.62	3.333	13.563	8.409	0.62	3.561
26	22	15.188	7.594	0.50	3.258	14.875	7.438	0.50	3.447	14.500	7.250	0.50	3.674
27	16	12.375	11.138	0.90	3.030	12.000	10.800	0.90	3.201	11.625	10.463	0.90	3.390
27	18	13.250	10.335	0.78	3.087	12.875	10.043	0.78	3.258	12.438	9.702	0.78	3.485
27	20	14.250	9.405	0.66	3.182	13.938	9.199	0.66	3.333	13.563	8.952	0.66	3.561
27	22	15.188	8.202	0.54	3.258	14.875	8.033	0.54	3.447	14.500	7.830	0.54	3.674
28	16	12.375	11.633	0.94	3.030	12.000	11.280	0.94	3.201	11.625	10.928	0.94	3.390
28	18	13.250	10.865	0.82	3.087	12.875	10.558	0.82	3.258	12.438	10.199	0.82	3.485
28	20	14.250	9.975	0.70	3.182	13.938	9.757	0.70	3.333	13.563	9.494	0.70	3.561
28	22	15.188	8.809	0.58	3.258	14.875	8.628	0.58	3.447	14.500	8.410	0.58	3.674
30	16	12.375	12.375	1.00	3.030	12.000	12.000	1.00	3.201	11.625	11.625	1.00	3.390
30	18	13.250	11.925	0.90	3.087	12.875	11.588	0.90	3.258	12.438	11.194	0.90	3.485
30	20	14.250	11.115	0.78	3.182	13.938	10.872	0.78	3.333	13.563	10.579	0.78	3.561
30	22	15.188	10.024	0.66	3.258	14.875	9.818	0.66	3.447	14.500	9.570	0.66	3.674
32	16	12.375	12.375	1.00	3.030	12.000	12.000	1.00	3.201	11.625	11.625	1.00	3.390
32	18	13.250	12.985	0.98	3.087	12.875	12.618	0.98	3.258	12.438	12.189	0.98	3.485
32	20	14.250	12.255	0.86	3.182	13.938	11.987	0.86	3.333	13.563	11.664	0.86	3.561
32	22	15.188	11.239	0.74	3.258	14.875	11.008	0.74	3.447	14.500	10.730	0.74	3.674
34	16	12.375	12.375	1.00	3.030	12.000	12.000	1.00	3.201	11.625	11.625	1.00	3.390
34	18	13.250	13.250	1.00	3.087	12.875	12.875	1.00	3.258	12.438	12.438	1.00	3.485
34	20	14.250	13.395	0.94	3.182	13.938	13.102	0.94	3.333	13.563	12.749	0.94	3.561
34	22	15.188	12.454	0.82	3.258	14.875	12.198	0.82	3.447	14.500	11.890	0.82	3.674

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	8.763	8.237	0.94	3.582	8.497	7.987	0.94	3.884	8.278	7.781	0.94	4.183
14	8	8.851	7.700	0.87	3.589	8.559	7.446	0.87	3.891	8.326	7.244	0.87	4.190
14	9	9.220	7.284	0.79	3.618	8.904	7.034	0.79	3.927	8.643	6.828	0.79	4.232
16	8	9.138	8.590	0.94	3.612	8.865	8.333	0.94	3.922	8.638	8.120	0.94	4.231
16	9	9.288	7.895	0.85	3.623	8.973	7.627	0.85	3.933	8.721	7.413	0.85	4.241
16	11	9.716	7.481	0.77	3.654	9.385	7.226	0.77	3.973	9.108	7.013	0.77	4.289
18	10	9.517	8.851	0.93	3.640	9.239	8.592	0.93	3.960	9.003	8.373	0.93	4.276
18	11	9.754	8.193	0.84	3.656	9.422	7.914	0.84	3.976	9.145	7.682	0.84	4.293
18	12	10.236	7.677	0.75	3.686	9.890	7.418	0.75	4.018	9.595	7.196	0.75	4.344
20	16	11.125	6.898	0.62	3.636	10.625	6.588	0.62	3.902	10.125	6.278	0.62	4.224
20	18	12.000	6.000	0.50	3.731	11.625	5.813	0.50	4.015	10.875	5.438	0.50	4.318
20	20	13.000	4.940	0.38	3.826	12.500	4.750	0.38	4.091	11.750	4.465	0.38	4.394
22	16	11.125	7.788	0.70	3.636	10.625	7.438	0.70	3.902	10.125	7.088	0.70	4.224
22	18	12.000	6.960	0.58	3.731	11.625	6.743	0.58	4.015	10.875	6.308	0.58	4.318
22	20	13.000	5.980	0.46	3.826	12.500	5.750	0.46	4.091	11.750	5.405	0.46	4.394
24	16	11.125	8.678	0.78	3.636	10.625	8.288	0.78	3.902	10.125	7.898	0.78	4.224
24	18	12.000	7.920	0.66	3.731	11.625	7.673	0.66	4.015	10.875	7.178	0.66	4.318
24	20	13.000	7.020	0.54	3.826	12.500	6.750	0.54	4.091	11.750	6.345	0.54	4.394
24	22	14.000	5.880	0.42	3.902	13.500	5.670	0.42	4.205	12.750	5.355	0.42	4.470
26	16	11.125	9.568	0.86	3.636	10.625	9.138	0.86	3.902	10.125	8.708	0.86	4.224
26	18	12.000	8.880	0.74	3.731	11.625	8.603	0.74	4.015	10.875	8.048	0.74	4.318
26	20	13.000	8.060	0.62	3.826	12.500	7.750	0.62	4.091	11.750	7.285	0.62	4.394
26	22	14.000	7.000	0.50	3.902	13.500	6.750	0.50	4.205	12.750	6.375	0.50	4.470
27	16	11.125	10.013	0.90	3.636	10.625	9.563	0.90	3.902	10.125	9.113	0.90	4.224
27	18	12.000	9.360	0.78	3.731	11.625	9.068	0.78	4.015	10.875	8.483	0.78	4.318
27	20	13.000	8.580	0.66	3.826	12.500	8.250	0.66	4.091	11.750	7.755	0.66	4.394
27	22	14.000	7.560	0.54	3.902	13.500	7.290	0.54	4.205	12.750	6.885	0.54	4.470
28	16	11.125	10.458	0.94	3.636	10.625	9.988	0.94	3.902	10.125	9.518	0.94	4.224
28	18	12.000	9.840	0.82	3.731	11.625	9.533	0.82	4.015	10.875	8.918	0.82	4.318
28	20	13.000	9.100	0.70	3.826	12.500	8.750	0.70	4.091	11.750	8.225	0.70	4.394
28	22	14.000	8.120	0.58	3.902	13.500	7.830	0.58	4.205	12.750	7.395	0.58	4.470
30	16	11.125	11.125	1.00	3.636	10.625	10.625	1.00	3.902	10.125	10.125	1.00	4.224
30	18	12.000	10.800	0.90	3.731	11.625	10.463	0.90	4.015	10.875	9.788	0.90	4.318
30	20	13.000	10.140	0.78	3.826	12.500	9.750	0.78	4.091	11.750	9.165	0.78	4.394
30	22	14.000	9.240	0.66	3.902	13.500	8.910	0.66	4.205	12.750	8.415	0.66	4.470
32	16	11.125	11.125	1.00	3.636	10.625	10.625	1.00	3.902	10.125	10.125	1.00	4.224
32	18	12.000	11.760	0.98	3.731	11.625	11.393	0.98	4.015	10.875	10.658	0.98	4.318
32	20	13.000	11.180	0.86	3.826	12.500	10.750	0.86	4.091	11.750	10.105	0.86	4.394
32	22	14.000	10.360	0.74	3.902	13.500	9.990	0.74	4.205	12.750	9.435	0.74	4.470
34	16	11.125	11.125	1.00	3.636	10.625	10.625	1.00	3.902	10.125	10.125	1.00	4.224
34	18	12.000	12.000	1.00	3.731	11.625	11.625	1.00	4.015	10.875	10.875	1.00	4.318
34	20	13.000	12.220	0.94	3.826	12.500	11.750	0.94	4.091	11.750	11.045	0.94	4.394
34	22	14.000	11.480	0.82	3.902	13.500	11.070	0.82	4.205	12.750	10.455	0.82	4.470

COOLING CAPACITY

PCA-M140KA2 / PUZ-ZM140VDA, PUZ-ZM140YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	10.133	9.525	0.94	2.890	9.896	9.302	0.94	3.157	9.659	9.079	0.94	3.423
14	8	10.349	9.004	0.87	2.889	10.072	8.763	0.87	3.160	9.796	8.523	0.87	3.432
14	9	10.777	8.514	0.79	2.884	10.489	8.286	0.79	3.168	10.201	8.059	0.79	3.451
16	8	10.557	9.924	0.94	2.885	10.313	9.694	0.94	3.165	10.068	9.464	0.94	3.445
16	9	10.855	9.227	0.85	2.883	10.566	8.981	0.85	3.169	10.276	8.735	0.85	3.455
16	11	11.355	8.743	0.77	2.876	11.051	8.509	0.77	3.176	10.746	8.274	0.77	3.476
18	10	10.994	10.224	0.93	2.881	10.738	9.986	0.93	3.172	10.481	9.747	0.93	3.464
18	11	11.398	9.574	0.84	2.877	11.092	9.317	0.84	3.177	10.787	9.061	0.84	3.478
18	12	11.968	8.976	0.75	2.867	11.643	8.732	0.75	3.182	11.319	8.489	0.75	3.497
20	16	13.266	8.225	0.62	3.154	12.864	7.976	0.62	3.331	12.462	7.726	0.62	3.528
20	18	14.204	7.102	0.50	3.213	13.802	6.901	0.50	3.390	13.333	6.667	0.50	3.627
20	20	15.276	5.805	0.38	3.311	14.941	5.678	0.38	3.469	14.539	5.525	0.38	3.705
22	16	13.266	9.286	0.70	3.154	12.864	9.005	0.70	3.331	12.462	8.723	0.70	3.528
22	18	14.204	8.238	0.58	3.213	13.802	8.005	0.58	3.390	13.333	7.733	0.58	3.627
22	20	15.276	7.027	0.46	3.311	14.941	6.873	0.46	3.469	14.539	6.688	0.46	3.705
24	16	13.266	10.347	0.78	3.154	12.864	10.034	0.78	3.331	12.462	9.720	0.78	3.528
24	18	14.204	9.375	0.66	3.213	13.802	9.109	0.66	3.390	13.333	8.800	0.66	3.627
24	20	15.276	8.249	0.54	3.311	14.941	8.068	0.54	3.469	14.539	7.851	0.54	3.705
24	22	16.281	6.838	0.42	3.390	15.946	6.697	0.42	3.587	15.544	6.528	0.42	3.824
26	16	13.266	11.409	0.86	3.154	12.864	11.063	0.86	3.331	12.462	10.717	0.86	3.528
26	18	14.204	10.511	0.74	3.213	13.802	10.213	0.74	3.390	13.333	9.866	0.74	3.627
26	20	15.276	9.471	0.62	3.311	14.941	9.263	0.62	3.469	14.539	9.014	0.62	3.705
26	22	16.281	8.141	0.50	3.390	15.946	7.973	0.50	3.587	15.544	7.772	0.50	3.824
27	16	13.266	11.939	0.90	3.154	12.864	11.578	0.90	3.331	12.462	11.216	0.90	3.528
27	18	14.204	11.079	0.78	3.213	13.802	10.766	0.78	3.390	13.333	10.400	0.78	3.627
27	20	15.276	10.082	0.66	3.311	14.941	9.861	0.66	3.469	14.539	9.596	0.66	3.705
27	22	16.281	8.792	0.54	3.390	15.946	8.611	0.54	3.587	15.544	8.394	0.54	3.824
28	16	13.266	12.470	0.94	3.154	12.864	12.092	0.94	3.331	12.462	11.714	0.94	3.528
28	18	14.204	11.647	0.82	3.213	13.802	11.318	0.82	3.390	13.333	10.933	0.82	3.627
28	20	15.276	10.693	0.70	3.311	14.941	10.459	0.70	3.469	14.539	10.177	0.70	3.705
28	22	16.281	9.443	0.58	3.390	15.946	9.249	0.58	3.587	15.544	9.016	0.58	3.824
30	16	13.266	13.266	1.00	3.154	12.864	12.864	1.00	3.331	12.462	12.462	1.00	3.528
30	18	14.204	12.784	0.90	3.213	13.802	12.422	0.90	3.390	13.333	12.000	0.90	3.627
30	20	15.276	11.915	0.78	3.311	14.941	11.654	0.78	3.469	14.539	11.340	0.78	3.705
30	22	16.281	10.745	0.66	3.390	15.946	10.524	0.66	3.587	15.544	10.259	0.66	3.824
32	16	13.266	13.266	1.00	3.154	12.864	12.864	1.00	3.331	12.462	12.462	1.00	3.528
32	18	14.204	13.920	0.98	3.213	13.802	13.526	0.98	3.390	13.333	13.066	0.98	3.627
32	20	15.276	13.137	0.86	3.311	14.941	12.849	0.86	3.469	14.539	12.504	0.86	3.705
32	22	16.281	12.048	0.74	3.390	15.946	11.800	0.74	3.587	15.544	11.503	0.74	3.824
34	16	13.266	13.266	1.00	3.154	12.864	12.864	1.00	3.331	12.462	12.462	1.00	3.528
34	18	14.204	14.204	1.00	3.213	13.802	13.802	1.00	3.390	13.333	13.333	1.00	3.627
34	20	15.276	14.359	0.94	3.311	14.941	14.045	0.94	3.469	14.539	13.667	0.94	3.705
34	22	16.281	13.350	0.82	3.390	15.946	13.076	0.82	3.587	15.544	12.746	0.82	3.824

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	9.394	8.830	0.94	3.727	9.109	8.562	0.94	4.042	8.874	8.342	0.94	4.353
14	8	9.488	8.255	0.87	3.735	9.175	7.982	0.87	4.049	8.926	7.766	0.87	4.361
14	9	9.883	7.808	0.79	3.765	9.545	7.541	0.79	4.087	9.265	7.319	0.79	4.404
16	8	9.796	9.208	0.94	3.759	9.503	8.933	0.94	4.082	9.260	8.704	0.94	4.403
16	9	9.957	8.463	0.85	3.771	9.619	8.176	0.85	4.093	9.348	7.946	0.85	4.414
16	11	10.415	8.020	0.77	3.802	10.061	7.747	0.77	4.135	9.764	7.518	0.77	4.463
18	10	10.203	9.489	0.93	3.788	9.904	9.211	0.93	4.121	9.652	8.976	0.93	4.450
18	11	10.456	8.783	0.84	3.804	10.100	8.484	0.84	4.137	9.803	8.235	0.84	4.468
18	12	10.973	8.230	0.75	3.836	10.602	7.952	0.75	4.181	10.286	7.715	0.75	4.521
20	16	11.926	7.394	0.62	3.784	11.390	7.062	0.62	4.060	10.854	6.729	0.62	4.395
20	18	12.864	6.432	0.50	3.883	12.462	6.231	0.50	4.179	11.658	5.829	0.50	4.494
20	20	13.936	5.296	0.38	3.981	13.400	5.092	0.38	4.257	12.596	4.786	0.38	4.573
22	16	11.926	8.348	0.70	3.784	11.390	7.973	0.70	4.060	10.854	7.598	0.70	4.395
22	18	12.864	7.461	0.58	3.883	12.462	7.228	0.58	4.179	11.658	6.762	0.58	4.494
22	20	13.936	6.411	0.46	3.981	13.400	6.164	0.46	4.257	12.596	5.794	0.46	4.573
24	16	11.926	9.302	0.78	3.784	11.390	8.884	0.78	4.060	10.854	8.466	0.78	4.395
24	18	12.864	8.490	0.66	3.883	12.462	8.225	0.66	4.179	11.658	7.694	0.66	4.494
24	20	13.936	7.525	0.54	3.981	13.400	7.236	0.54	4.257	12.596	6.802	0.54	4.573
24	22	15.008	6.303	0.42	4.060	14.472	6.078	0.42	4.376	13.668	5.741	0.42	4.652
26	16	11.926	10.256	0.86	3.784	11.390	9.795	0.86	4.060	10.854	9.334	0.86	4.395
26	18	12.864	9.519	0.74	3.883	12.462	9.222	0.74	4.179	11.658	8.627	0.74	4.494
26	20	13.936	8.640	0.62	3.981	13.400	8.308	0.62	4.257	12.596	7.810	0.62	4.573
26	22	15.008	7.504	0.50	4.060	14.472	7.236	0.50	4.376	13.668	6.834	0.50	4.652
27	16	11.926	10.733	0.90	3.784	11.390	10.251	0.90	4.060	10.854	9.769	0.90	4.395
27	18	12.864	10.034	0.78	3.883	12.462	9.720	0.78	4.179	11.658	9.093	0.78	4.494
27	20	13.936	9.198	0.66	3.981	13.400	8.844	0.66	4.257	12.596	8.313	0.66	4.573
27	22	15.008	8.104	0.54	4.060	14.472	7.815	0.54	4.376	13.668	7.381	0.54	4.652
28	16	11.926	11.210	0.94	3.784	11.390	10.707	0.94	4.060	10.854	10.203	0.94	4.395
28	18	12.864	10.548	0.82	3.883	12.462	10.219	0.82	4.179	11.658	9.560	0.82	4.494
28	20	13.936	9.755	0.70	3.981	13.400	9.380	0.70	4.257	12.596	8.817	0.70	4.573
28	22	15.008	8.705	0.58	4.060	14.472	8.394	0.58	4.376	13.668	7.927	0.58	4.652
30	16	11.926	11.926	1.00	3.784	11.390	11.390	1.00	4.060	10.854	10.854	1.00	4.395
30	18	12.864	11.578	0.90	3.883	12.462	11.216	0.90	4.179	11.658	10.492	0.90	4.494
30	20	13.936	10.870	0.78	3.981	13.400	10.452	0.78	4.257	12.596	9.825	0.78	4.573
30	22	15.008	9.905	0.66	4.060	14.472	9.552	0.66	4.376	13.668	9.021	0.66	4.652
32	16	11.926	11.926	1.00	3.784	11.390	11.390	1.00	4.060	10.854	10.854	1.00	4.395
32	18	12.864	12.607	0.98	3.883	12.462	12.213	0.98	4.179	11.658	11.425	0.98	4.494
32	20	13.936	11.985	0.86	3.981	13.400	11.524	0.86	4.257	12.596	10.833	0.86	4.573
32	22	15.008	11.106	0.74	4.060	14.472	10.709	0.74	4.376	13.668	10.114	0.74	4.652
34	16	11.926	11.926	1.00	3.784	11.390	11.390	1.00	4.060	10.854	10.854	1.00	4.395
34	18	12.864	12.864	1.00	3.883	12.462	12.462	1.00	4.179	11.658	11.658	1.00	4.494
34	20	13.936	13.100	0.94	3.981	13.400	12.596	0.94	4.257	12.596	11.840	0.94	4.573
34	22	15.008	12.307	0.82	4.060	14.472	11.867	0.82	4.376	13.668	11.208	0.82	4.652

HEATING CAPACITY

PCA-M-KA2 / PUZ-ZM-VDA, PUZ-ZM-YDA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)
PCA-M100KA2	15	7.112	1.836	7.728	2.023	8.624	2.334	11.312	2.801	12.768	3.112	14.224	3.361
PUZ-ZM100VDA	20	6.832	1.992	7.392	2.178	8.176	2.521	10.920	3.019	12.320	3.361	13.720	3.610
PUZ-ZM100YDA	25	6.608	2.116	7.168	2.365	7.840	2.739	10.304	3.205	11.872	3.594	13.216	3.874
PCA-M125KA2	15	8.890	2.503	9.660	2.758	10.780	3.182	14.140	3.819	15.960	4.243	17.780	4.582
PUZ-ZM125VDA	20	8.540	2.716	9.240	2.970	10.220	3.437	13.650	4.116	15.400	4.582	17.150	4.922
PUZ-ZM125YDA	25	8.260	2.885	8.960	3.225	9.800	3.734	12.880	4.370	14.840	4.901	16.520	5.283
PCA-M140KA2	15	10.160	2.777	11.040	3.059	12.320	3.530	16.160	4.235	18.240	4.706	20.320	5.082
PUZ-ZM140VDA	20	9.760	3.012	10.560	3.294	11.680	3.812	15.600	4.565	17.600	5.082	19.600	5.459
PUZ-ZM140YDA	25	9.440	3.200	10.240	3.577	11.200	4.141	14.720	4.847	16.960	5.435	18.880	5.859

Note:

CA : Capacity (kW) SHC : Sensible heat capacity (kW) D.B. : Dry-bulb temperature (°C)
P.C. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature (°C)

COOLING CAPACITY

PSA-M100KA / PUZ-ZM100VDA, PUZ-ZM100YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	7.184	6.825	0.95	1.829	7.016	6.665	0.95	1.997	6.848	6.506	0.95	2.166
14	8	7.337	6.457	0.88	1.828	7.141	6.284	0.88	1.999	6.945	6.112	0.88	2.171
14	9	7.641	6.113	0.80	1.825	7.436	5.949	0.80	2.004	7.232	5.786	0.80	2.183
16	8	7.485	7.111	0.95	1.825	7.311	6.945	0.95	2.003	7.138	6.781	0.95	2.180
16	9	7.696	6.619	0.86	1.824	7.491	6.442	0.86	2.005	7.286	6.266	0.86	2.186
16	11	8.050	6.279	0.78	1.819	7.834	6.111	0.78	2.009	7.619	5.943	0.78	2.199
18	10	7.794	7.326	0.94	1.822	7.613	7.156	0.94	2.007	7.431	6.985	0.94	2.192
18	11	8.080	6.868	0.85	1.820	7.864	6.684	0.85	2.010	7.647	6.500	0.85	2.200
18	12	8.485	6.449	0.76	1.814	8.255	6.274	0.76	2.013	8.024	6.098	0.76	2.212
20	16	9.405	5.925	0.63	1.995	9.120	5.746	0.63	2.107	8.835	5.566	0.63	2.232
20	18	10.070	5.136	0.51	2.033	9.785	4.990	0.51	2.145	9.453	4.821	0.51	2.294
20	20	10.830	4.224	0.39	2.095	10.593	4.131	0.39	2.195	10.308	4.020	0.39	2.344
22	16	9.405	6.678	0.71	1.995	9.120	6.475	0.71	2.107	8.835	6.273	0.71	2.232
22	18	10.070	5.941	0.59	2.033	9.785	5.773	0.59	2.145	9.453	5.577	0.59	2.294
22	20	10.830	5.090	0.47	2.095	10.593	4.979	0.47	2.195	10.308	4.845	0.47	2.344
24	16	9.405	7.430	0.79	1.995	9.120	7.205	0.79	2.107	8.835	6.980	0.79	2.232
24	18	10.070	6.747	0.67	2.033	9.785	6.556	0.67	2.145	9.453	6.334	0.67	2.294
24	20	10.830	5.957	0.55	2.095	10.593	5.826	0.55	2.195	10.308	5.669	0.55	2.344
24	22	11.543	4.963	0.43	2.145	11.305	4.861	0.43	2.270	11.020	4.739	0.43	2.419
26	16	9.405	8.182	0.87	1.995	9.120	7.934	0.87	2.107	8.835	7.686	0.87	2.232
26	18	10.070	7.553	0.75	2.033	9.785	7.339	0.75	2.145	9.453	7.090	0.75	2.294
26	20	10.830	6.823	0.63	2.095	10.593	6.674	0.63	2.195	10.308	6.494	0.63	2.344
26	22	11.543	5.887	0.51	2.145	11.305	5.766	0.51	2.270	11.020	5.620	0.51	2.419
27	16	9.405	8.559	0.91	1.995	9.120	8.299	0.91	2.107	8.835	8.040	0.91	2.232
27	18	10.070	7.955	0.79	2.033	9.785	7.730	0.79	2.145	9.453	7.468	0.79	2.294
27	20	10.830	7.256	0.67	2.095	10.593	7.097	0.67	2.195	10.308	6.906	0.67	2.344
27	22	11.543	6.349	0.55	2.145	11.305	6.218	0.55	2.270	11.020	6.061	0.55	2.419
28	16	9.405	8.935	0.95	1.995	9.120	8.664	0.95	2.107	8.835	8.393	0.95	2.232
28	18	10.070	8.358	0.83	2.033	9.785	8.122	0.83	2.145	9.453	7.846	0.83	2.294
28	20	10.830	7.689	0.71	2.095	10.593	7.521	0.71	2.195	10.308	7.319	0.71	2.344
28	22	11.543	6.810	0.59	2.145	11.305	6.670	0.59	2.270	11.020	6.502	0.59	2.419
30	16	9.405	9.405	1.00	1.995	9.120	9.120	1.00	2.107	8.835	8.835	1.00	2.232
30	18	10.070	9.164	0.91	2.033	9.785	8.904	0.91	2.145	9.453	8.602	0.91	2.294
30	20	10.830	8.556	0.79	2.095	10.593	8.368	0.79	2.195	10.308	8.143	0.79	2.344
30	22	11.543	7.734	0.67	2.145	11.305	7.574	0.67	2.270	11.020	7.383	0.67	2.419
32	16	9.405	9.405	1.00	1.995	9.120	9.120	1.00	2.107	8.835	8.835	1.00	2.232
32	18	10.070	9.969	0.99	2.033	9.785	9.687	0.99	2.145	9.453	9.358	0.99	2.294
32	20	10.830	9.422	0.87	2.095	10.593	9.216	0.87	2.195	10.308	8.968	0.87	2.344
32	22	11.543	8.657	0.75	2.145	11.305	8.479	0.75	2.270	11.020	8.265	0.75	2.419
34	16	9.405	9.405	1.00	1.995	9.120	9.120	1.00	2.107	8.835	8.835	1.00	2.232
34	18	10.070	10.070	1.00	2.033	9.785	9.785	1.00	2.145	9.453	9.453	1.00	2.294
34	20	10.830	10.289	0.95	2.095	10.593	10.063	0.95	2.195	10.308	9.793	0.95	2.344
34	22	11.543	9.581	0.83	2.145	11.305	9.383	0.83	2.270	11.020	9.147	0.83	2.419

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	6.660	6.327	0.95	2.358	6.458	6.135	0.95	2.557	6.291	5.976	0.95	2.754
14	8	6.727	5.920	0.88	2.363	6.505	5.724	0.88	2.562	6.328	5.569	0.88	2.759
14	9	7.007	5.606	0.80	2.382	6.767	5.414	0.80	2.586	6.569	5.255	0.80	2.786
16	8	6.945	6.598	0.95	2.378	6.737	6.400	0.95	2.583	6.565	6.237	0.95	2.786
16	9	7.059	6.071	0.86	2.386	6.819	5.864	0.86	2.589	6.628	5.700	0.86	2.792
16	11	7.384	5.760	0.78	2.405	7.133	5.564	0.78	2.616	6.922	5.399	0.78	2.824
18	10	7.233	6.799	0.94	2.396	7.021	6.600	0.94	2.607	6.843	6.432	0.94	2.815
18	11	7.413	6.301	0.85	2.407	7.161	6.087	0.85	2.618	6.950	5.908	0.85	2.827
18	12	7.779	5.912	0.76	2.427	7.516	5.712	0.76	2.645	7.292	5.542	0.76	2.860
20	16	8.455	5.327	0.63	2.394	8.075	5.087	0.63	2.569	7.695	4.848	0.63	2.781
20	18	9.120	4.651	0.51	2.457	8.835	4.506	0.51	2.644	8.265	4.215	0.51	2.843
20	20	9.880	3.853	0.39	2.519	9.500	3.705	0.39	2.694	8.930	3.483	0.39	2.893
22	16	8.455	6.003	0.71	2.394	8.075	5.733	0.71	2.569	7.695	5.463	0.71	2.781
22	18	9.120	5.381	0.59	2.457	8.835	5.213	0.59	2.644	8.265	4.876	0.59	2.843
22	20	9.880	4.644	0.47	2.519	9.500	4.465	0.47	2.694	8.930	4.197	0.47	2.893
24	16	8.455	6.679	0.79	2.394	8.075	6.379	0.79	2.569	7.695	6.079	0.79	2.781
24	18	9.120	6.110	0.67	2.457	8.835	5.919	0.67	2.644	8.265	5.538	0.67	2.843
24	20	9.880	5.434	0.55	2.519	9.500	5.225	0.55	2.694	8.930	4.912	0.55	2.893
24	22	10.640	4.575	0.43	2.569	10.260	4.412	0.43	2.768	9.690	4.167	0.43	2.943
26	16	8.455	7.356	0.87	2.394	8.075	7.025	0.87	2.569	7.695	6.695	0.87	2.781
26	18	9.120	6.840	0.75	2.457	8.835	6.626	0.75	2.644	8.265	6.199	0.75	2.843
26	20	9.880	6.224	0.63	2.519	9.500	5.985	0.63	2.694	8.930	5.626	0.63	2.893
26	22	10.640	5.426	0.51	2.569	10.260	5.233	0.51	2.768	9.690	4.942	0.51	2.943
27	16	8.455	7.694	0.91	2.394	8.075	7.348	0.91	2.569	7.695	7.002	0.91	2.781
27	18	9.120	7.205	0.79	2.457	8.835	6.980	0.79	2.644	8.265	6.529	0.79	2.843
27	20	9.880	6.620	0.67	2.519	9.500	6.365	0.67	2.694	8.930	5.983	0.67	2.893
27	22	10.640	5.852	0.55	2.569	10.260	5.643	0.55	2.768	9.690	5.330	0.55	2.943
28	16	8.455	8.032	0.95	2.394	8.075	7.671	0.95	2.569	7.695	7.310	0.95	2.781
28	18	9.120	7.570	0.83	2.457	8.835	7.333	0.83	2.644	8.265	6.860	0.83	2.843
28	20	9.880	7.015	0.71	2.519	9.500	6.745	0.71	2.694	8.930	6.340	0.71	2.893
28	22	10.640	6.278	0.59	2.569	10.260	6.053	0.59	2.768	9.690	5.717	0.59	2.943
30	16	8.455	8.455	1.00	2.394	8.075	8.075	1.00	2.569	7.695	7.695	1.00	2.781
30	18	9.120	8.299	0.91	2.457	8.835	8.040	0.91	2.644	8.265	7.521	0.91	2.843
30	20	9.880	7.805	0.79	2.519	9.500	7.505	0.79	2.694	8.930	7.055	0.79	2.893
30	22	10.640	7.129	0.67	2.569	10.260	6.874	0.67	2.768	9.690	6.492	0.67	2.943
32	16	8.455	8.455	1.00	2.394	8.075	8.075	1.00	2.569	7.695	7.695	1.00	2.781
32	18	9.120	9.029	0.99	2.457	8.835	8.747	0.99	2.644	8.265	8.182	0.99	2.843
32	20	9.880	8.596	0.87	2.519	9.500	8.265	0.87	2.694	8.930	7.769	0.87	2.893
32	22	10.640	7.980	0.75	2.569	10.260	7.695	0.75	2.768	9.690	7.268	0.75	2.943
34	16	8.455	8.455	1.00	2.394	8.075	8.075	1.00	2.569	7.695	7.695	1.00	2.781
34	18	9.120	9.120	1.00	2.457	8.835	8.835	1.00	2.644	8.265	8.265	1.00	2.843
34	20	9.880	9.386	0.95	2.519	9.500	9.025	0.95	2.694	8.930	8.484	0.95	2.893
34	22	10.640	8.831	0.83	2.569	10.260	8.516	0.83	2.768	9.690	8.043	0.83	2.943

COOLING CAPACITY

PSA-M125KA / PUZ-ZM125VDA, PUZ-ZM125YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	9.453	8.886	0.94	3.055	9.232	8.678	0.94	3.337	9.010	8.469	0.94	3.619
14	8	9.654	8.399	0.87	3.054	9.396	8.175	0.87	3.341	9.138	7.950	0.87	3.628
14	9	10.053	7.942	0.79	3.049	9.784	7.729	0.79	3.348	9.515	7.517	0.79	3.648
16	8	9.848	9.257	0.94	3.050	9.620	9.043	0.94	3.346	9.392	8.828	0.94	3.642
16	9	10.126	8.607	0.85	3.047	9.856	8.378	0.85	3.350	9.586	8.148	0.85	3.652
16	11	10.592	8.156	0.77	3.040	10.308	7.937	0.77	3.357	10.025	7.719	0.77	3.675
18	10	10.256	9.538	0.93	3.045	10.017	9.316	0.93	3.353	9.777	9.093	0.93	3.662
18	11	10.632	8.931	0.84	3.041	10.347	8.691	0.84	3.359	10.062	8.452	0.84	3.676
18	12	11.164	8.373	0.75	3.031	10.861	8.146	0.75	3.364	10.558	7.919	0.75	3.696
20	16	12.375	7.673	0.62	3.334	12.000	7.440	0.62	3.521	11.625	7.208	0.62	3.729
20	18	13.250	6.625	0.50	3.396	12.875	6.438	0.50	3.584	12.438	6.219	0.50	3.834
20	20	14.250	5.415	0.38	3.500	13.938	5.296	0.38	3.667	13.563	5.154	0.38	3.917
22	16	12.375	8.663	0.70	3.334	12.000	8.400	0.70	3.521	11.625	8.138	0.70	3.729
22	18	13.250	7.685	0.58	3.396	12.875	7.468	0.58	3.584	12.438	7.214	0.58	3.834
22	20	14.250	6.555	0.46	3.500	13.938	6.411	0.46	3.667	13.563	6.239	0.46	3.917
24	16	12.375	9.653	0.78	3.334	12.000	9.360	0.78	3.521	11.625	9.068	0.78	3.729
24	18	13.250	8.745	0.66	3.396	12.875	8.498	0.66	3.584	12.438	8.209	0.66	3.834
24	20	14.250	7.695	0.54	3.500	13.938	7.527	0.54	3.667	13.563	7.324	0.54	3.917
24	22	15.188	6.379	0.42	3.584	14.875	6.248	0.42	3.792	14.500	6.090	0.42	4.042
26	16	12.375	10.643	0.86	3.334	12.000	10.320	0.86	3.521	11.625	9.998	0.86	3.729
26	18	13.250	9.805	0.74	3.396	12.875	9.528	0.74	3.584	12.438	9.204	0.74	3.834
26	20	14.250	8.835	0.62	3.500	13.938	8.642	0.62	3.667	13.563	8.409	0.62	3.917
26	22	15.188	7.594	0.50	3.584	14.875	7.438	0.50	3.792	14.500	7.250	0.50	4.042
27	16	12.375	11.138	0.90	3.334	12.000	10.800	0.90	3.521	11.625	10.463	0.90	3.729
27	18	13.250	10.335	0.78	3.396	12.875	10.043	0.78	3.584	12.438	9.702	0.78	3.834
27	20	14.250	9.405	0.66	3.500	13.938	9.199	0.66	3.667	13.563	8.952	0.66	3.917
27	22	15.188	8.202	0.54	3.584	14.875	8.033	0.54	3.792	14.500	7.830	0.54	4.042
28	16	12.375	11.633	0.94	3.334	12.000	11.280	0.94	3.521	11.625	10.928	0.94	3.729
28	18	13.250	10.865	0.82	3.396	12.875	10.558	0.82	3.584	12.438	10.199	0.82	3.834
28	20	14.250	9.975	0.70	3.500	13.938	9.757	0.70	3.667	13.563	9.494	0.70	3.917
28	22	15.188	8.809	0.58	3.584	14.875	8.628	0.58	3.792	14.500	8.410	0.58	4.042
30	16	12.375	12.375	1.00	3.334	12.000	12.000	1.00	3.521	11.625	11.625	1.00	3.729
30	18	13.250	11.925	0.90	3.396	12.875	11.588	0.90	3.584	12.438	11.194	0.90	3.834
30	20	14.250	11.115	0.78	3.500	13.938	10.872	0.78	3.667	13.563	10.579	0.78	3.917
30	22	15.188	10.024	0.66	3.584	14.875	9.818	0.66	3.792	14.500	9.570	0.66	4.042
32	16	12.375	12.375	1.00	3.334	12.000	12.000	1.00	3.521	11.625	11.625	1.00	3.729
32	18	13.250	12.985	0.98	3.396	12.875	12.618	0.98	3.584	12.438	12.189	0.98	3.834
32	20	14.250	12.255	0.86	3.500	13.938	11.987	0.86	3.667	13.563	11.664	0.86	3.917
32	22	15.188	11.239	0.74	3.584	14.875	11.008	0.74	3.792	14.500	10.730	0.74	4.042
34	16	12.375	12.375	1.00	3.334	12.000	12.000	1.00	3.521	11.625	11.625	1.00	3.729
34	18	13.250	13.250	1.00	3.396	12.875	12.875	1.00	3.584	12.438	12.438	1.00	3.834
34	20	14.250	13.395	0.94	3.500	13.938	13.102	0.94	3.667	13.563	12.749	0.94	3.917
34	22	15.188	12.454	0.82	3.584	14.875	12.198	0.82	3.792	14.500	11.890	0.82	4.042

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	8.763	8.237	0.94	3.940	8.497	7.987	0.94	4.273	8.278	7.781	0.94	4.602
14	8	8.851	7.700	0.87	3.948	8.559	7.446	0.87	4.280	8.326	7.244	0.87	4.609
14	9	9.220	7.284	0.79	3.980	8.904	7.034	0.79	4.320	8.643	6.828	0.79	4.655
16	8	9.138	8.590	0.94	3.973	8.865	8.333	0.94	4.315	8.638	8.120	0.94	4.654
16	9	9.288	7.895	0.85	3.986	8.973	7.627	0.85	4.326	8.721	7.413	0.85	4.666
16	11	9.716	7.481	0.77	4.019	9.385	7.226	0.77	4.371	9.108	7.013	0.77	4.718
18	10	9.517	8.851	0.93	4.004	9.239	8.592	0.93	4.356	9.003	8.373	0.93	4.704
18	11	9.754	8.193	0.84	4.022	9.422	7.914	0.84	4.374	9.145	7.682	0.84	4.723
18	12	10.236	7.677	0.75	4.055	9.890	7.418	0.75	4.419	9.595	7.196	0.75	4.779
20	16	11.125	6.898	0.62	4.000	10.625	6.588	0.62	4.292	10.125	6.278	0.62	4.646
20	18	12.000	6.000	0.50	4.104	11.625	5.813	0.50	4.417	10.875	5.438	0.50	4.750
20	20	13.000	4.940	0.38	4.209	12.500	4.750	0.38	4.500	11.750	4.465	0.38	4.834
22	16	11.125	7.788	0.70	4.000	10.625	7.438	0.70	4.292	10.125	7.088	0.70	4.646
22	18	12.000	6.960	0.58	4.104	11.625	6.743	0.58	4.417	10.875	6.308	0.58	4.750
22	20	13.000	5.980	0.46	4.209	12.500	5.750	0.46	4.500	11.750	5.405	0.46	4.834
24	16	11.125	8.678	0.78	4.000	10.625	8.288	0.78	4.292	10.125	7.898	0.78	4.646
24	18	12.000	7.920	0.66	4.104	11.625	7.673	0.66	4.417	10.875	7.178	0.66	4.750
24	20	13.000	7.020	0.54	4.209	12.500	6.750	0.54	4.500	11.750	6.345	0.54	4.834
24	22	14.000	5.880	0.42	4.292	13.500	5.670	0.42	4.625	12.750	5.355	0.42	4.917
26	16	11.125	9.568	0.86	4.000	10.625	9.138	0.86	4.292	10.125	8.708	0.86	4.646
26	18	12.000	8.880	0.74	4.104	11.625	8.603	0.74	4.417	10.875	8.048	0.74	4.750
26	20	13.000	8.060	0.62	4.209	12.500	7.750	0.62	4.500	11.750	7.285	0.62	4.834
26	22	14.000	7.000	0.50	4.292	13.500	6.750	0.50	4.625	12.750	6.375	0.50	4.917
27	16	11.125	10.013	0.90	4.000	10.625	9.563	0.90	4.292	10.125	9.113	0.90	4.646
27	18	12.000	9.360	0.78	4.104	11.625	9.068	0.78	4.417	10.875	8.483	0.78	4.750
27	20	13.000	8.580	0.66	4.209	12.500	8.250	0.66	4.500	11.750	7.755	0.66	4.834
27	22	14.000	7.560	0.54	4.292	13.500	7.290	0.54	4.625	12.750	6.885	0.54	4.917
28	16	11.125	10.458	0.94	4.000	10.625	9.988	0.94	4.292	10.125	9.518	0.94	4.646
28	18	12.000	9.840	0.82	4.104	11.625	9.533	0.82	4.417	10.875	8.918	0.82	4.750
28	20	13.000	9.100	0.70	4.209	12.500	8.750	0.70	4.500	11.750	8.225	0.70	4.834
28	22	14.000	8.120	0.58	4.292	13.500	7.830	0.58	4.625	12.750	7.395	0.58	4.917
30	16	11.125	11.125	1.00	4.000	10.625	10.625	1.00	4.292	10.125	10.125	1.00	4.646
30	18	12.000	10.800	0.90	4.104	11.625	10.463	0.90	4.417	10.875	9.788	0.90	4.750
30	20	13.000	10.140	0.78	4.209	12.500	9.750	0.78	4.500	11.750	9.165	0.78	4.834
30	22	14.000	9.240	0.66	4.292	13.500	8.910	0.66	4.625	12.750	8.415	0.66	4.917
32	16	11.125	11.125	1.00	4.000	10.625	10.625	1.00	4.292	10.125	10.125	1.00	4.646
32	18	12.000	11.760	0.98	4.104	11.625	11.393	0.98	4.417	10.875	10.658	0.98	4.750
32	20	13.000	11.180	0.86	4.209	12.500	10.750	0.86	4.500	11.750	10.105	0.86	4.834
32	22	14.000	10.360	0.74	4.292	13.500	9.990	0.74	4.625	12.750	9.435	0.74	4.917
34	16	11.125	11.125	1.00	4.000	10.625	10.625	1.00	4.292	10.125	10.125	1.00	4.646
34	18	12.000	12.000	1.00	4.104	11.625	11.625	1.00	4.417	10.875	10.875	1.00	4.750
34	20	13.000	12.220	0.94	4.209	12.500	11.750	0.94	4.500	11.750	11.045	0.94	4.834
34	22	14.000	11.480	0.82	4.292	13.500	11.070	0.82	4.625	12.750	10.455	0.82	4.917

COOLING CAPACITY

PSA-M140KA / PUZ-ZM140VDA, PUZ-ZM140YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	10.133	9.424	0.93	2.916	9.896	9.203	0.93	3.185	9.659	8.983	0.93	3.454
14	8	10.349	8.900	0.86	2.915	10.072	8.662	0.86	3.188	9.796	8.425	0.86	3.462
14	9	10.777	8.406	0.78	2.910	10.489	8.181	0.78	3.196	10.201	7.957	0.78	3.482
16	8	10.557	9.818	0.93	2.911	10.313	9.591	0.93	3.193	10.068	9.363	0.93	3.476
16	9	10.855	9.118	0.84	2.909	10.566	8.875	0.84	3.197	10.276	8.632	0.84	3.485
16	11	11.355	8.630	0.76	2.901	11.051	8.399	0.76	3.204	10.746	8.167	0.76	3.507
18	10	10.994	10.114	0.92	2.906	10.738	9.879	0.92	3.201	10.481	9.643	0.92	3.495
18	11	11.398	9.460	0.83	2.902	11.092	9.206	0.83	3.205	10.787	8.953	0.83	3.508
18	12	11.968	8.856	0.74	2.893	11.643	8.616	0.74	3.210	11.319	8.376	0.74	3.528
20	16	13.266	8.092	0.61	3.182	12.864	7.847	0.61	3.361	12.462	7.602	0.61	3.559
20	18	14.204	6.960	0.49	3.241	13.802	6.763	0.49	3.420	13.333	6.533	0.49	3.659
20	20	15.276	5.652	0.37	3.341	14.941	5.528	0.37	3.500	14.539	5.379	0.37	3.738
22	16	13.266	9.154	0.69	3.182	12.864	8.876	0.69	3.361	12.462	8.599	0.69	3.559
22	18	14.204	8.096	0.57	3.241	13.802	7.867	0.57	3.420	13.333	7.600	0.57	3.659
22	20	15.276	6.874	0.45	3.341	14.941	6.723	0.45	3.500	14.539	6.543	0.45	3.738
24	16	13.266	10.215	0.77	3.182	12.864	9.905	0.77	3.361	12.462	9.596	0.77	3.559
24	18	14.204	9.233	0.65	3.241	13.802	8.971	0.65	3.420	13.333	8.666	0.65	3.659
24	20	15.276	8.096	0.53	3.341	14.941	7.919	0.53	3.500	14.539	7.706	0.53	3.738
24	22	16.281	6.675	0.41	3.420	15.946	6.538	0.41	3.619	15.544	6.373	0.41	3.858
26	16	13.266	11.276	0.85	3.182	12.864	10.934	0.85	3.361	12.462	10.593	0.85	3.559
26	18	14.204	10.369	0.73	3.241	13.802	10.075	0.73	3.420	13.333	9.733	0.73	3.659
26	20	15.276	9.318	0.61	3.341	14.941	9.114	0.61	3.500	14.539	8.869	0.61	3.738
26	22	16.281	7.978	0.49	3.420	15.946	7.814	0.49	3.619	15.544	7.617	0.49	3.858
27	16	13.266	11.807	0.89	3.182	12.864	11.449	0.89	3.361	12.462	11.091	0.89	3.559
27	18	14.204	10.937	0.77	3.241	13.802	10.628	0.77	3.420	13.333	10.266	0.77	3.659
27	20	15.276	9.929	0.65	3.341	14.941	9.712	0.65	3.500	14.539	9.450	0.65	3.738
27	22	16.281	8.629	0.53	3.420	15.946	8.451	0.53	3.619	15.544	8.238	0.53	3.858
28	16	13.266	12.337	0.93	3.182	12.864	11.964	0.93	3.361	12.462	11.590	0.93	3.559
28	18	14.204	11.505	0.81	3.241	13.802	11.180	0.81	3.420	13.333	10.800	0.81	3.659
28	20	15.276	10.540	0.69	3.341	14.941	10.309	0.69	3.500	14.539	10.032	0.69	3.738
28	22	16.281	9.280	0.57	3.420	15.946	9.089	0.57	3.619	15.544	8.860	0.57	3.858
30	16	13.266	13.266	1.00	3.182	12.864	12.864	1.00	3.361	12.462	12.462	1.00	3.559
30	18	14.204	12.642	0.89	3.241	13.802	12.284	0.89	3.420	13.333	11.866	0.89	3.659
30	20	15.276	11.763	0.77	3.341	14.941	11.505	0.77	3.500	14.539	11.195	0.77	3.738
30	22	16.281	10.583	0.65	3.420	15.946	10.365	0.65	3.619	15.544	10.104	0.65	3.858
32	16	13.266	13.266	1.00	3.182	12.864	12.864	1.00	3.361	12.462	12.462	1.00	3.559
32	18	14.204	13.778	0.97	3.241	13.802	13.388	0.97	3.420	13.333	12.933	0.97	3.659
32	20	15.276	12.985	0.85	3.341	14.941	12.700	0.85	3.500	14.539	12.358	0.85	3.738
32	22	16.281	11.885	0.73	3.420	15.946	11.641	0.73	3.619	15.544	11.347	0.73	3.858
34	16	13.266	13.266	1.00	3.182	12.864	12.864	1.00	3.361	12.462	12.462	1.00	3.559
34	18	14.204	14.204	1.00	3.241	13.802	13.802	1.00	3.420	13.333	13.333	1.00	3.659
34	20	15.276	14.207	0.93	3.341	14.941	13.895	0.93	3.500	14.539	13.521	0.93	3.738
34	22	16.281	13.188	0.81	3.420	15.946	12.916	0.81	3.619	15.544	12.591	0.81	3.858

OUTDOOR UNIT
PERFORMANCE DATA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
14	7	9.394	8.736	0.93	3.760	9.109	8.471	0.93	4.078	8.874	8.253	0.93	4.392
14	8	9.488	8.160	0.86	3.768	9.175	7.891	0.86	4.085	8.926	7.676	0.86	4.399
14	9	9.883	7.709	0.78	3.798	9.545	7.445	0.78	4.123	9.265	7.227	0.78	4.443
16	8	9.796	9.110	0.93	3.792	9.503	8.838	0.93	4.118	9.260	8.612	0.93	4.442
16	9	9.957	8.364	0.84	3.804	9.619	8.080	0.84	4.129	9.348	7.852	0.84	4.453
16	11	10.415	7.915	0.76	3.836	10.061	7.646	0.76	4.172	9.764	7.421	0.76	4.503
18	10	10.203	9.387	0.92	3.821	9.904	9.112	0.92	4.157	9.652	8.880	0.92	4.489
18	11	10.456	8.678	0.83	3.838	10.100	8.383	0.83	4.174	9.803	8.136	0.83	4.508
18	12	10.973	8.120	0.74	3.870	10.602	7.845	0.74	4.218	10.286	7.612	0.74	4.561
20	16	11.926	7.275	0.61	3.818	11.390	6.948	0.61	4.096	10.854	6.621	0.61	4.434
20	18	12.864	6.303	0.49	3.917	12.462	6.106	0.49	4.216	11.658	5.712	0.49	4.534
20	20	13.936	5.156	0.37	4.017	13.400	4.958	0.37	4.295	12.596	4.661	0.37	4.613
22	16	11.926	8.229	0.69	3.818	11.390	7.859	0.69	4.096	10.854	7.489	0.69	4.434
22	18	12.864	7.332	0.57	3.917	12.462	7.103	0.57	4.216	11.658	6.645	0.57	4.534
22	20	13.936	6.271	0.45	4.017	13.400	6.030	0.45	4.295	12.596	5.668	0.45	4.613
24	16	11.926	9.183	0.77	3.818	11.390	8.770	0.77	4.096	10.854	8.358	0.77	4.434
24	18	12.864	8.362	0.65	3.917	12.462	8.100	0.65	4.216	11.658	7.578	0.65	4.534
24	20	13.936	7.386	0.53	4.017	13.400	7.102	0.53	4.295	12.596	6.676	0.53	4.613
24	22	15.008	6.153	0.41	4.096	14.472	5.934	0.41	4.414	13.668	5.604	0.41	4.693
26	16	11.926	10.137	0.85	3.818	11.390	9.682	0.85	4.096	10.854	9.226	0.85	4.434
26	18	12.864	9.391	0.73	3.917	12.462	9.097	0.73	4.216	11.658	8.510	0.73	4.534
26	20	13.936	8.501	0.61	4.017	13.400	8.174	0.61	4.295	12.596	7.684	0.61	4.613
26	22	15.008	7.354	0.49	4.096	14.472	7.091	0.49	4.414	13.668	6.697	0.49	4.693
27	16	11.926	10.614	0.89	3.818	11.390	10.137	0.89	4.096	10.854	9.660	0.89	4.434
27	18	12.864	9.905	0.77	3.917	12.462	9.596	0.77	4.216	11.658	8.977	0.77	4.534
27	20	13.936	9.058	0.65	4.017	13.400	8.710	0.65	4.295	12.596	8.187	0.65	4.613
27	22	15.008	7.954	0.53	4.096	14.472	7.670	0.53	4.414	13.668	7.244	0.53	4.693
28	16	11.926	11.091	0.93	3.818	11.390	10.593	0.93	4.096	10.854	10.094	0.93	4.434
28	18	12.864	10.420	0.81	3.917	12.462	10.094	0.81	4.216	11.658	9.443	0.81	4.534
28	20	13.936	9.616	0.69	4.017	13.400	9.246	0.69	4.295	12.596	8.691	0.69	4.613
28	22	15.008	8.555	0.57	4.096	14.472	8.249	0.57	4.414	13.668	7.791	0.57	4.693
30	16	11.926	11.926	1.00	3.818	11.390	11.390	1.00	4.096	10.854	10.854	1.00	4.434
30	18	12.864	11.449	0.89	3.917	12.462	11.091	0.89	4.216	11.658	10.376	0.89	4.534
30	20	13.936	10.731	0.77	4.017	13.400	10.318	0.77	4.295	12.596	9.699	0.77	4.613
30	22	15.008	9.755	0.65	4.096	14.472	9.407	0.65	4.414	13.668	8.884	0.65	4.693
32	16	11.926	11.926	1.00	3.818	11.390	11.390	1.00	4.096	10.854	10.854	1.00	4.434
32	18	12.864	12.478	0.97	3.917	12.462	12.088	0.97	4.216	11.658	11.308	0.97	4.534
32	20	13.936	11.846	0.85	4.017	13.400	11.390	0.85	4.295	12.596	10.707	0.85	4.613
32	22	15.008	10.956	0.73	4.096	14.472	10.565	0.73	4.414	13.668	9.978	0.73	4.693
34	16	11.926	11.926	1.00	3.818	11.390	11.390	1.00	4.096	10.854	10.854	1.00	4.434
34	18	12.864	12.864	1.00	3.917	12.462	12.462	1.00	4.216	11.658	11.658	1.00	4.534
34	20	13.936	12.960	0.93	4.017	13.400	12.462	0.93	4.295	12.596	11.714	0.93	4.613
34	22	15.008	12.156	0.81	4.096	14.472	11.722	0.81	4.414	13.668	11.071	0.81	4.693

HEATING CAPACITY

PSA-M-KA / PUZ-ZM-VDA, PUZ-ZM-YDA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)
PSA-M100KA	15	7.112	1.944	7.728	2.142	8.624	2.471	11.312	2.966	12.768	3.295	14.224	3.559
PUZ-ZM100VDA	20	6.832	2.109	7.392	2.307	8.176	2.669	10.920	3.196	12.320	3.559	13.720	3.822
PUZ-ZM100YDA	25	6.608	2.241	7.168	2.504	7.840	2.900	10.304	3.394	11.872	3.806	13.216	4.102
PSA-M125KA	15	8.890	2.849	9.660	3.138	10.780	3.621	14.140	4.345	15.960	4.828	17.780	5.214
PUZ-ZM125VDA	20	8.540	3.090	9.240	3.380	10.220	3.911	13.650	4.683	15.400	5.214	17.150	5.600
PUZ-ZM125YDA	25	8.260	3.283	8.960	3.669	9.800	4.249	12.880	4.973	14.840	5.576	16.520	6.011
PSA-M140KA	15	10.160	3.147	11.040	3.467	12.320	4.001	16.160	4.801	18.240	5.334	20.320	5.761
PUZ-ZM140VDA	20	9.760	3.414	10.560	3.734	11.680	4.321	15.600	5.174	17.600	5.761	19.600	6.187
PUZ-ZM140YDA	25	9.440	3.627	10.240	4.054	11.200	4.694	14.720	5.494	16.960	6.161	18.880	6.641

Note:

CA : Capacity (kW) SHC : Sensible heat capacity (kW) D.B. : Dry-bulb temperature (°C)
P.C. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature (°C)

COOLING CAPACITY

PEAD-M100JA2, PEAD-M100JAL2 / PUZ-ZM100VDA, PUZ-ZM100YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
20	16	9.405	6.772	0.72	1.810	9.120	6.566	0.72	1.911	8.835	6.361	0.72	2.024
20	18	10.070	6.042	0.60	1.844	9.785	5.871	0.60	1.945	9.453	5.672	0.60	2.081
20	20	10.830	5.198	0.48	1.900	10.593	5.085	0.48	1.991	10.308	4.948	0.48	2.126
22	16	9.405	7.524	0.80	1.810	9.120	7.296	0.80	1.911	8.835	7.068	0.80	2.024
22	18	10.070	6.848	0.68	1.844	9.785	6.654	0.68	1.945	9.453	6.428	0.68	2.081
22	20	10.830	6.065	0.56	1.900	10.593	5.932	0.56	1.991	10.308	5.772	0.56	2.126
24	16	9.405	8.276	0.88	1.810	9.120	8.026	0.88	1.911	8.835	7.775	0.88	2.024
24	18	10.070	7.653	0.76	1.844	9.785	7.437	0.76	1.945	9.453	7.184	0.76	2.081
24	20	10.830	6.931	0.64	1.900	10.593	6.780	0.64	1.991	10.308	6.597	0.64	2.126
24	22	11.543	6.002	0.52	1.945	11.305	5.879	0.52	2.058	11.020	5.730	0.52	2.194
26	16	9.405	9.029	0.96	1.810	9.120	8.755	0.96	1.911	8.835	8.482	0.96	2.024
26	18	10.070	8.459	0.84	1.844	9.785	8.219	0.84	1.945	9.453	7.941	0.84	2.081
26	20	10.830	7.798	0.72	1.900	10.593	7.627	0.72	1.991	10.308	7.422	0.72	2.126
26	22	11.543	6.926	0.60	1.945	11.305	6.783	0.60	2.058	11.020	6.612	0.60	2.194
27	16	9.405	9.405	1.00	1.810	9.120	9.120	1.00	1.911	8.835	8.835	1.00	2.024
27	18	10.070	8.862	0.88	1.844	9.785	8.611	0.88	1.945	9.453	8.319	0.88	2.081
27	20	10.830	8.231	0.76	1.900	10.593	8.051	0.76	1.991	10.308	7.834	0.76	2.126
27	22	11.543	7.388	0.64	1.945	11.305	7.235	0.64	2.058	11.020	7.053	0.64	2.194
28	16	9.405	9.405	1.00	1.810	9.120	9.120	1.00	1.911	8.835	8.835	1.00	2.024
28	18	10.070	9.264	0.92	1.844	9.785	9.002	0.92	1.945	9.453	8.697	0.92	2.081
28	20	10.830	8.664	0.80	1.900	10.593	8.474	0.80	1.991	10.308	8.246	0.80	2.126
28	22	11.543	7.849	0.68	1.945	11.305	7.687	0.68	2.058	11.020	7.494	0.68	2.194
30	16	9.405	9.405	1.00	1.810	9.120	9.120	1.00	1.911	8.835	8.835	1.00	2.024
30	18	10.070	10.070	1.00	1.844	9.785	9.785	1.00	1.945	9.453	9.453	1.00	2.081
30	20	10.830	9.530	0.88	1.900	10.593	9.322	0.88	1.991	10.308	9.071	0.88	2.126
30	22	11.543	8.773	0.76	1.945	11.305	8.592	0.76	2.058	11.020	8.375	0.76	2.194
32	16	9.405	9.405	1.00	1.810	9.120	9.120	1.00	1.911	8.835	8.835	1.00	2.024
32	18	10.070	10.070	1.00	1.844	9.785	9.785	1.00	1.945	9.453	9.453	1.00	2.081
32	20	10.830	10.397	0.96	1.900	10.593	10.169	0.96	1.991	10.308	9.896	0.96	2.126
32	22	11.543	9.696	0.84	1.945	11.305	9.496	0.84	2.058	11.020	9.257	0.84	2.194
34	16	9.405	9.405	1.00	1.810	9.120	9.120	1.00	1.911	8.835	8.835	1.00	2.024
34	18	10.070	10.070	1.00	1.844	9.785	9.785	1.00	1.945	9.453	9.453	1.00	2.081
34	20	10.830	10.830	1.00	1.900	10.593	10.593	1.00	1.991	10.308	10.308	1.00	2.126
34	22	11.543	10.620	0.92	1.945	11.305	10.401	0.92	2.058	11.020	10.138	0.92	2.194

OUTDOOR
UNIT

PERFORMANCE DATA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
20	16	8.455	6.088	0.72	2.172	8.075	5.814	0.72	2.330	7.695	5.540	0.72	2.522
20	18	9.120	5.472	0.60	2.228	8.835	5.301	0.60	2.398	8.265	4.959	0.60	2.579
20	20	9.880	4.742	0.48	2.285	9.500	4.560	0.48	2.443	8.930	4.286	0.48	2.624
22	16	8.455	6.764	0.80	2.172	8.075	6.460	0.80	2.330	7.695	6.156	0.80	2.522
22	18	9.120	6.202	0.68	2.228	8.835	6.008	0.68	2.398	8.265	5.620	0.68	2.579
22	20	9.880	5.533	0.56	2.285	9.500	5.320	0.56	2.443	8.930	5.001	0.56	2.624
24	16	8.455	7.440	0.88	2.172	8.075	7.106	0.88	2.330	7.695	6.772	0.88	2.522
24	18	9.120	6.931	0.76	2.228	8.835	6.715	0.76	2.398	8.265	6.281	0.76	2.579
24	20	9.880	6.323	0.64	2.285	9.500	6.080	0.64	2.443	8.930	5.715	0.64	2.624
24	22	10.640	5.533	0.52	2.330	10.260	5.335	0.52	2.511	9.690	5.039	0.52	2.669
26	16	8.455	8.117	0.96	2.172	8.075	7.752	0.96	2.330	7.695	7.387	0.96	2.522
26	18	9.120	7.661	0.84	2.228	8.835	7.421	0.84	2.398	8.265	6.943	0.84	2.579
26	20	9.880	7.114	0.72	2.285	9.500	6.840	0.72	2.443	8.930	6.430	0.72	2.624
26	22	10.640	6.384	0.60	2.330	10.260	6.156	0.60	2.511	9.690	5.814	0.60	2.669
27	16	8.455	8.455	1.00	2.172	8.075	8.075	1.00	2.330	7.695	7.695	1.00	2.522
27	18	9.120	8.026	0.88	2.228	8.835	7.775	0.88	2.398	8.265	7.273	0.88	2.579
27	20	9.880	7.509	0.76	2.285	9.500	7.220	0.76	2.443	8.930	6.787	0.76	2.624
27	22	10.640	6.810	0.64	2.330	10.260	6.566	0.64	2.511	9.690	6.202	0.64	2.669
28	16	8.455	8.455	1.00	2.172	8.075	8.075	1.00	2.330	7.695	7.695	1.00	2.522
28	18	9.120	8.390	0.92	2.228	8.835	8.128	0.92	2.398	8.265	7.604	0.92	2.579
28	20	9.880	7.904	0.80	2.285	9.500	7.600	0.80	2.443	8.930	7.144	0.80	2.624
28	22	10.640	7.235	0.68	2.330	10.260	6.977	0.68	2.511	9.690	6.589	0.68	2.669
30	16	8.455	8.455	1.00	2.172	8.075	8.075	1.00	2.330	7.695	7.695	1.00	2.522
30	18	9.120	9.120	1.00	2.228	8.835	8.835	1.00	2.398	8.265	8.265	1.00	2.579
30	20	9.880	8.694	0.88	2.285	9.500	8.360	0.88	2.443	8.930	7.858	0.88	2.624
30	22	10.640	8.086	0.76	2.330	10.260	7.798	0.76	2.511	9.690	7.364	0.76	2.669
32	16	8.455	8.455	1.00	2.172	8.075	8.075	1.00	2.330	7.695	7.695	1.00	2.522
32	18	9.120	9.120	1.00	2.228	8.835	8.835	1.00	2.398	8.265	8.265	1.00	2.579
32	20	9.880	9.485	0.96	2.285	9.500	9.120	0.96	2.443	8.930	8.573	0.96	2.624
32	22	10.640	8.938	0.84	2.330	10.260	8.618	0.84	2.511	9.690	8.140	0.84	2.669
34	16	8.455	8.455	1.00	2.172	8.075	8.075	1.00	2.330	7.695	7.695	1.00	2.522
34	18	9.120	9.120	1.00	2.228	8.835	8.835	1.00	2.398	8.265	8.265	1.00	2.579
34	20	9.880	9.880	1.00	2.285	9.500	9.500	1.00	2.443	8.930	8.930	1.00	2.624
34	22	10.640	9.789	0.92	2.330	10.260	9.439	0.92	2.511	9.690	8.915	0.92	2.669

Note:

CA : Capacity (kW) SHC : Sensible heat capacity (kW) D.B. : Dry-bulb temperature (°C)

P.C. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature (°C)

COOLING CAPACITY

PEAD-M125JA2, PEAD-M125JAL2 / PUZ-ZM125VDA, PUZ-ZM125YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
20	16	12.375	8.415	0.68	2.703	12.000	8.160	0.68	2.855	11.625	7.905	0.68	3.024
20	18	13.250	7.420	0.56	2.754	12.875	7.210	0.56	2.906	12.438	6.965	0.56	3.109
20	20	14.250	6.270	0.44	2.838	13.938	6.133	0.44	2.974	13.563	5.968	0.44	3.176
22	16	12.375	9.405	0.76	2.703	12.000	9.120	0.76	2.855	11.625	8.835	0.76	3.024
22	18	13.250	8.480	0.64	2.754	12.875	8.240	0.64	2.906	12.438	7.960	0.64	3.109
22	20	14.250	7.410	0.52	2.838	13.938	7.248	0.52	2.974	13.563	7.053	0.52	3.176
24	16	12.375	10.395	0.84	2.703	12.000	10.080	0.84	2.855	11.625	9.765	0.84	3.024
24	18	13.250	9.540	0.72	2.754	12.875	9.270	0.72	2.906	12.438	8.955	0.72	3.109
24	20	14.250	8.550	0.60	2.838	13.938	8.363	0.60	2.974	13.563	8.138	0.60	3.176
24	22	15.188	7.290	0.48	2.906	14.875	7.140	0.48	3.075	14.500	6.960	0.48	3.278
26	16	12.375	11.385	0.92	2.703	12.000	11.040	0.92	2.855	11.625	10.695	0.92	3.024
26	18	13.250	10.600	0.80	2.754	12.875	10.300	0.80	2.906	12.438	9.950	0.80	3.109
26	20	14.250	9.690	0.68	2.838	13.938	9.478	0.68	2.974	13.563	9.223	0.68	3.176
26	22	15.188	8.505	0.56	2.906	14.875	8.330	0.56	3.075	14.500	8.120	0.56	3.278
27	16	12.375	11.880	0.96	2.703	12.000	11.520	0.96	2.855	11.625	11.160	0.96	3.024
27	18	13.250	11.130	0.84	2.754	12.875	10.815	0.84	2.906	12.438	10.448	0.84	3.109
27	20	14.250	10.260	0.72	2.838	13.938	10.035	0.72	2.974	13.563	9.765	0.72	3.176
27	22	15.188	9.113	0.60	2.906	14.875	8.925	0.60	3.075	14.500	8.700	0.60	3.278
28	16	12.375	12.375	1.00	2.703	12.000	12.000	1.00	2.855	11.625	11.625	1.00	3.024
28	18	13.250	11.660	0.88	2.754	12.875	11.330	0.88	2.906	12.438	10.945	0.88	3.109
28	20	14.250	10.830	0.76	2.838	13.938	10.593	0.76	2.974	13.563	10.308	0.76	3.176
28	22	15.188	9.720	0.64	2.906	14.875	9.520	0.64	3.075	14.500	9.280	0.64	3.278
30	16	12.375	12.375	1.00	2.703	12.000	12.000	1.00	2.855	11.625	11.625	1.00	3.024
30	18	13.250	12.720	0.96	2.754	12.875	12.360	0.96	2.906	12.438	11.940	0.96	3.109
30	20	14.250	11.970	0.84	2.838	13.938	11.708	0.84	2.974	13.563	11.393	0.84	3.176
30	22	15.188	10.935	0.72	2.906	14.875	10.710	0.72	3.075	14.500	10.440	0.72	3.278
32	16	12.375	12.375	1.00	2.703	12.000	12.000	1.00	2.855	11.625	11.625	1.00	3.024
32	18	13.250	13.250	1.00	2.754	12.875	12.875	1.00	2.906	12.438	12.438	1.00	3.109
32	20	14.250	13.110	0.92	2.838	13.938	12.823	0.92	2.974	13.563	12.478	0.92	3.176
32	22	15.188	12.150	0.80	2.906	14.875	11.900	0.80	3.075	14.500	11.600	0.80	3.278
34	16	12.375	12.375	1.00	2.703	12.000	12.000	1.00	2.855	11.625	11.625	1.00	3.024
34	18	13.250	13.250	1.00	2.754	12.875	12.875	1.00	2.906	12.438	12.438	1.00	3.109
34	20	14.250	14.250	1.00	2.838	13.938	13.938	1.00	2.974	13.563	13.563	1.00	3.176
34	22	15.188	13.365	0.88	2.906	14.875	13.090	0.88	3.075	14.500	12.760	0.88	3.278

OUTDOOR
UNIT
PERFORMANCE DATA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
20	16	11.125	7.565	0.68	3.244	10.625	7.225	0.68	3.480	10.125	6.885	0.68	3.768
20	18	12.000	6.720	0.56	3.328	11.625	6.510	0.56	3.582	10.875	6.090	0.56	3.852
20	20	13.000	5.720	0.44	3.413	12.500	5.500	0.44	3.649	11.750	5.170	0.44	3.920
22	16	11.125	8.455	0.76	3.244	10.625	8.075	0.76	3.480	10.125	7.695	0.76	3.768
22	18	12.000	7.680	0.64	3.328	11.625	7.440	0.64	3.582	10.875	6.960	0.64	3.852
22	20	13.000	6.760	0.52	3.413	12.500	6.500	0.52	3.649	11.750	6.110	0.52	3.920
24	16	11.125	9.345	0.84	3.244	10.625	8.925	0.84	3.480	10.125	8.505	0.84	3.768
24	18	12.000	8.640	0.72	3.328	11.625	8.370	0.72	3.582	10.875	7.830	0.72	3.852
24	20	13.000	7.800	0.60	3.413	12.500	7.500	0.60	3.649	11.750	7.050	0.60	3.920
24	22	14.000	6.720	0.48	3.480	13.500	6.480	0.48	3.751	12.750	6.120	0.48	3.987
26	16	11.125	10.235	0.92	3.244	10.625	9.775	0.92	3.480	10.125	9.315	0.92	3.768
26	18	12.000	9.600	0.80	3.328	11.625	9.300	0.80	3.582	10.875	8.700	0.80	3.852
26	20	13.000	8.840	0.68	3.413	12.500	8.500	0.68	3.649	11.750	7.990	0.68	3.920
26	22	14.000	7.840	0.56	3.480	13.500	7.560	0.56	3.751	12.750	7.140	0.56	3.987
27	16	11.125	10.680	0.96	3.244	10.625	10.200	0.96	3.480	10.125	9.720	0.96	3.768
27	18	12.000	10.080	0.84	3.328	11.625	9.765	0.84	3.582	10.875	9.135	0.84	3.852
27	20	13.000	9.360	0.72	3.413	12.500	9.000	0.72	3.649	11.750	8.460	0.72	3.920
27	22	14.000	8.400	0.60	3.480	13.500	8.100	0.60	3.751	12.750	7.650	0.60	3.987
28	16	11.125	11.125	1.00	3.244	10.625	10.625	1.00	3.480	10.125	10.125	1.00	3.768
28	18	12.000	10.560	0.88	3.328	11.625	10.230	0.88	3.582	10.875	9.570	0.88	3.852
28	20	13.000	9.880	0.76	3.413	12.500	9.500	0.76	3.649	11.750	8.930	0.76	3.920
28	22	14.000	8.960	0.64	3.480	13.500	8.640	0.64	3.751	12.750	8.160	0.64	3.987
30	16	11.125	11.125	1.00	3.244	10.625	10.625	1.00	3.480	10.125	10.125	1.00	3.768
30	18	12.000	11.520	0.96	3.328	11.625	11.160	0.96	3.582	10.875	10.440	0.96	3.852
30	20	13.000	10.920	0.84	3.413	12.500	10.500	0.84	3.649	11.750	9.870	0.84	3.920
30	22	14.000	10.080	0.72	3.480	13.500	9.720	0.72	3.751	12.750	9.180	0.72	3.987
32	16	11.125	11.125	1.00	3.244	10.625	10.625	1.00	3.480	10.125	10.125	1.00	3.768
32	18	12.000	12.000	1.00	3.328	11.625	11.625	1.00	3.582	10.875	10.875	1.00	3.852
32	20	13.000	11.960	0.92	3.413	12.500	11.500	0.92	3.649	11.750	10.810	0.92	3.920
32	22	14.000	11.200	0.80	3.480	13.500	10.800	0.80	3.751	12.750	10.200	0.80	3.987
34	16	11.125	11.125	1.00	3.244	10.625	10.625	1.00	3.480	10.125	10.125	1.00	3.768
34	18	12.000	12.000	1.00	3.328	11.625	11.625	1.00	3.582	10.875	10.875	1.00	3.852
34	20	13.000	13.000	1.00	3.413	12.500	12.500	1.00	3.649	11.750	11.750	1.00	3.920
34	22	14.000	12.320	0.88	3.480	13.500	11.880	0.88	3.751	12.750	11.220	0.88	3.987

Note:

CA : Capacity (kW) SHC : Sensible heat capacity (kW) D.B. : Dry-bulb temperature (°C)
P.C. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature (°C)

COOLING CAPACITY

PEAD-M140JA2, PEAD-M140JAL2 / PUZ-ZM140VDA, PUZ-ZM140YDA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		20				25				30			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
20	16	13.266	8.888	0.67	2.962	12.864	8.619	0.67	3.128	12.462	8.350	0.67	3.313
20	18	14.204	7.812	0.55	3.017	13.802	7.591	0.55	3.184	13.333	7.333	0.55	3.406
20	20	15.276	6.569	0.43	3.110	14.941	6.425	0.43	3.258	14.539	6.252	0.43	3.480
22	16	13.266	9.950	0.75	2.962	12.864	9.648	0.75	3.128	12.462	9.347	0.75	3.313
22	18	14.204	8.949	0.63	3.017	13.802	8.695	0.63	3.184	13.333	8.400	0.63	3.406
22	20	15.276	7.791	0.51	3.110	14.941	7.620	0.51	3.258	14.539	7.415	0.51	3.480
24	16	13.266	11.011	0.83	2.962	12.864	10.677	0.83	3.128	12.462	10.343	0.83	3.313
24	18	14.204	10.085	0.71	3.017	13.802	9.799	0.71	3.184	13.333	9.466	0.71	3.406
24	20	15.276	9.013	0.59	3.110	14.941	8.815	0.59	3.258	14.539	8.578	0.59	3.480
24	22	16.281	7.652	0.47	3.184	15.946	7.495	0.47	3.369	15.544	7.306	0.47	3.591
26	16	13.266	12.072	0.91	2.962	12.864	11.706	0.91	3.128	12.462	11.340	0.91	3.313
26	18	14.204	11.221	0.79	3.017	13.802	10.904	0.79	3.184	13.333	10.533	0.79	3.406
26	20	15.276	10.235	0.67	3.110	14.941	10.010	0.67	3.258	14.539	9.667	0.67	3.480
26	22	16.281	8.955	0.55	3.184	15.946	8.770	0.55	3.369	15.544	8.549	0.55	3.591
27	16	13.266	12.603	0.95	2.962	12.864	12.221	0.95	3.128	12.462	11.839	0.95	3.313
27	18	14.204	11.789	0.83	3.017	13.802	11.456	0.83	3.184	13.333	11.066	0.83	3.406
27	20	15.276	10.846	0.71	3.110	14.941	10.608	0.71	3.258	14.539	10.323	0.71	3.480
27	22	16.281	9.606	0.59	3.184	15.946	9.408	0.59	3.369	15.544	9.171	0.59	3.591
28	16	13.266	13.133	0.99	2.962	12.864	12.735	0.99	3.128	12.462	12.337	0.99	3.313
28	18	14.204	12.357	0.87	3.017	13.802	12.008	0.87	3.184	13.333	11.600	0.87	3.406
28	20	15.276	11.457	0.75	3.110	14.941	11.206	0.75	3.258	14.539	10.904	0.75	3.480
28	22	16.281	10.257	0.63	3.184	15.946	10.046	0.63	3.369	15.544	9.793	0.63	3.591
30	16	13.266	13.266	1.00	2.962	12.864	12.864	1.00	3.128	12.462	12.462	1.00	3.313
30	18	14.204	13.494	0.95	3.017	13.802	13.112	0.95	3.184	13.333	12.666	0.95	3.406
30	20	15.276	12.679	0.83	3.110	14.941	12.401	0.83	3.258	14.539	12.067	0.83	3.480
30	22	16.281	11.560	0.71	3.184	15.946	11.322	0.71	3.369	15.544	11.036	0.71	3.591
32	16	13.266	13.266	1.00	2.962	12.864	12.864	1.00	3.128	12.462	12.462	1.00	3.313
32	18	14.204	14.204	1.00	3.017	13.802	13.802	1.00	3.184	13.333	13.333	1.00	3.406
32	20	15.276	13.901	0.91	3.110	14.941	13.596	0.91	3.258	14.539	13.230	0.91	3.480
32	22	16.281	12.862	0.79	3.184	15.946	12.597	0.79	3.369	15.544	12.280	0.79	3.591
34	16	13.266	13.266	1.00	2.962	12.864	12.864	1.00	3.128	12.462	12.462	1.00	3.313
34	18	14.204	14.204	1.00	3.017	13.802	13.802	1.00	3.184	13.333	13.333	1.00	3.406
34	20	15.276	15.123	0.99	3.110	14.941	14.792	0.99	3.258	14.539	14.394	0.99	3.480
34	22	16.281	14.164	0.87	3.184	15.946	13.873	0.87	3.369	15.544	13.523	0.87	3.591

OUTDOOR
UNIT

PERFORMANCE DATA

Indoor intake air D.B.(°C)	Indoor intake air W.B.(°C)	Outdoor intake air DB°C											
		35				40				45			
		CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)	CA (kW)	SHC (kW)	SHF	P.C. (kW)
20	16	11.926	7.990	0.67	3.554	11.390	7.631	0.67	3.813	10.854	7.272	0.67	4.128
20	18	12.864	7.075	0.55	3.646	12.462	6.854	0.55	3.924	11.658	6.412	0.55	4.220
20	20	13.936	5.992	0.43	3.739	13.400	5.762	0.43	3.998	12.596	5.416	0.43	4.294
22	16	11.926	8.945	0.75	3.554	11.390	8.543	0.75	3.813	10.854	8.141	0.75	4.128
22	18	12.864	8.104	0.63	3.646	12.462	7.851	0.63	3.924	11.658	7.345	0.63	4.220
22	20	13.936	7.107	0.51	3.739	13.400	6.834	0.51	3.998	12.596	6.424	0.51	4.294
24	16	11.926	9.899	0.83	3.554	11.390	9.454	0.83	3.813	10.854	9.009	0.83	4.128
24	18	12.864	9.133	0.71	3.646	12.462	8.848	0.71	3.924	11.658	8.277	0.71	4.220
24	20	13.936	8.222	0.59	3.739	13.400	7.906	0.59	3.998	12.596	7.432	0.59	4.294
24	22	15.008	7.054	0.47	3.813	14.472	6.802	0.47	4.109	13.668	6.424	0.47	4.368
26	16	11.926	10.853	0.91	3.554	11.390	10.365	0.91	3.813	10.854	9.877	0.91	4.128
26	18	12.864	10.163	0.79	3.646	12.462	9.845	0.79	3.924	11.658	9.210	0.79	4.220
26	20	13.936	9.337	0.67	3.739	13.400	8.978	0.67	3.998	12.596	8.439	0.67	4.294
26	22	15.008	8.254	0.55	3.813	14.472	7.960	0.55	4.109	13.668	7.517	0.55	4.368
27	16	11.926	11.330	0.95	3.554	11.390	10.821	0.95	3.813	10.854	10.311	0.95	4.128
27	18	12.864	10.677	0.83	3.646	12.462	10.343	0.83	3.924	11.658	9.676	0.83	4.220
27	20	13.936	9.895	0.71	3.739	13.400	9.514	0.71	3.998	12.596	8.943	0.71	4.294
27	22	15.008	8.855	0.59	3.813	14.472	8.538	0.59	4.109	13.668	8.064	0.59	4.368
28	16	11.926	11.807	0.99	3.554	11.390	11.276	0.99	3.813	10.854	10.745	0.99	4.128
28	18	12.864	11.192	0.87	3.646	12.462	10.842	0.87	3.924	11.658	10.142	0.87	4.220
28	20	13.936	10.452	0.75	3.739	13.400	10.050	0.75	3.998	12.596	9.447	0.75	4.294
28	22	15.008	9.455	0.63	3.813	14.472	9.117	0.63	4.109	13.668	8.611	0.63	4.368
30	16	11.926	11.926	1.00	3.554	11.390	11.390	1.00	3.813	10.854	10.854	1.00	4.128
30	18	12.864	12.221	0.95	3.646	12.462	11.839	0.95	3.924	11.658	11.075	0.95	4.220
30	20	13.936	11.567	0.83	3.739	13.400	11.122	0.83	3.998	12.596	10.455	0.83	4.294
30	22	15.008	10.656	0.71	3.813	14.472	10.275	0.71	4.109	13.668	9.704	0.71	4.368
32	16	11.926	11.926	1.00	3.554	11.390	11.390	1.00	3.813	10.854	10.854	1.00	4.128
32	18	12.864	12.864	1.00	3.646	12.462	12.462	1.00	3.924	11.658	11.658	1.00	4.220
32	20	13.936	12.682	0.91	3.739	13.400	12.194	0.91	3.998	12.596	11.462	0.91	4.294
32	22	15.008	11.856	0.79	3.813	14.472	11.433	0.79	4.109	13.668	10.798	0.79	4.368
34	16	11.926	11.926	1.00	3.554	11.390	11.390	1.00	3.813	10.854	10.854	1.00	4.128
34	18	12.864	12.864	1.00	3.646	12.462	12.462	1.00	3.924	11.658	11.658	1.00	4.220
34	20	13.936	13.797	0.99	3.739	13.400	13.266	0.99	3.998	12.596	12.470	0.99	4.294
34	22	15.008	13.057	0.87	3.813	14.472	12.591	0.87	4.109	13.668	11.891	0.87	4.368

Note:

CA : Capacity (kW) SHC : Sensible heat capacity (kW) D.B. : Dry-bulb temperature (°C)

P.C. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature (°C)

HEATING CAPACITY

PEAD-M-JA2, PEAD-M-JAL2 / PUZ-ZM-VDA, PUZ-ZM-YDA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)	CA (kW)	P.C. (kW)
PEAD-M100JA2 PEAD-M100JAL2 PUZ-ZM100VDA PUZ-ZM100YDA	15	7.112	1.502	7.728	1.655	8.624	1.910	11.312	2.291	12.768	2.546	14.224	2.750
	20	6.832	1.629	7.392	1.782	8.176	2.062	10.920	2.470	12.320	2.750	13.720	2.953
	25	6.608	1.731	7.168	1.935	7.840	2.240	10.304	2.622	11.872	2.941	13.216	3.170
PEAD-M125JA2 PEAD-M125JAL2 PUZ-ZM125VDA PUZ-ZM125YDA	15	8.890	2.221	9.660	2.447	10.780	2.823	14.140	3.388	15.960	3.764	17.780	4.065
	20	8.540	2.409	9.240	2.635	10.220	3.049	13.650	3.651	15.400	4.065	17.150	4.366
	25	8.260	2.560	8.960	2.861	9.800	3.312	12.880	3.877	14.840	4.347	16.520	4.686
PEAD-M140JA2 PEAD-M140JAL2 PUZ-ZM140VDA PUZ-ZM140YDA	15	10.160	2.421	11.040	2.667	12.320	3.077	16.160	3.693	18.240	4.103	20.320	4.431
	20	9.760	2.626	10.560	2.872	11.680	3.323	15.600	3.980	17.600	4.431	19.600	4.759
	25	9.440	2.790	10.240	3.118	11.200	3.611	14.720	4.226	16.960	4.739	18.880	5.108

OUTDOOR
UNIT

PERFORMANCE DATA

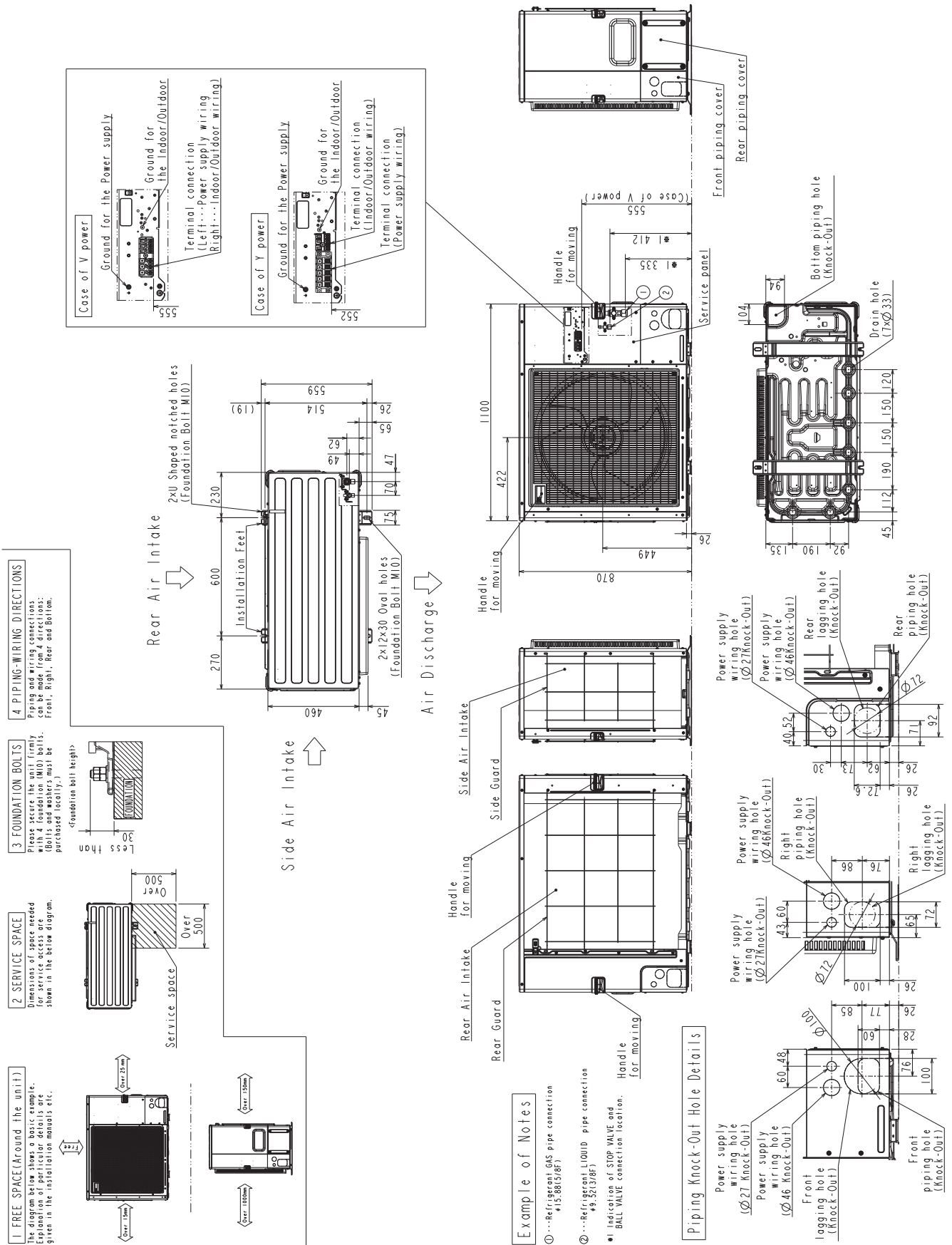
Note:

CA : Capacity (kW) SHC : Sensible heat capacity (kW) D.B. : Dry-bulb temperature (°C)
P.C. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature (°C)

3 OUTLINES AND DIMENSIONS

PUZ-ZM100VDA PUZ-ZM100YDA
PUZ-ZM125VDA PUZ-ZM125YDA
PUZ-ZM140VDA PUZ-ZM140YDA

Unit : mm

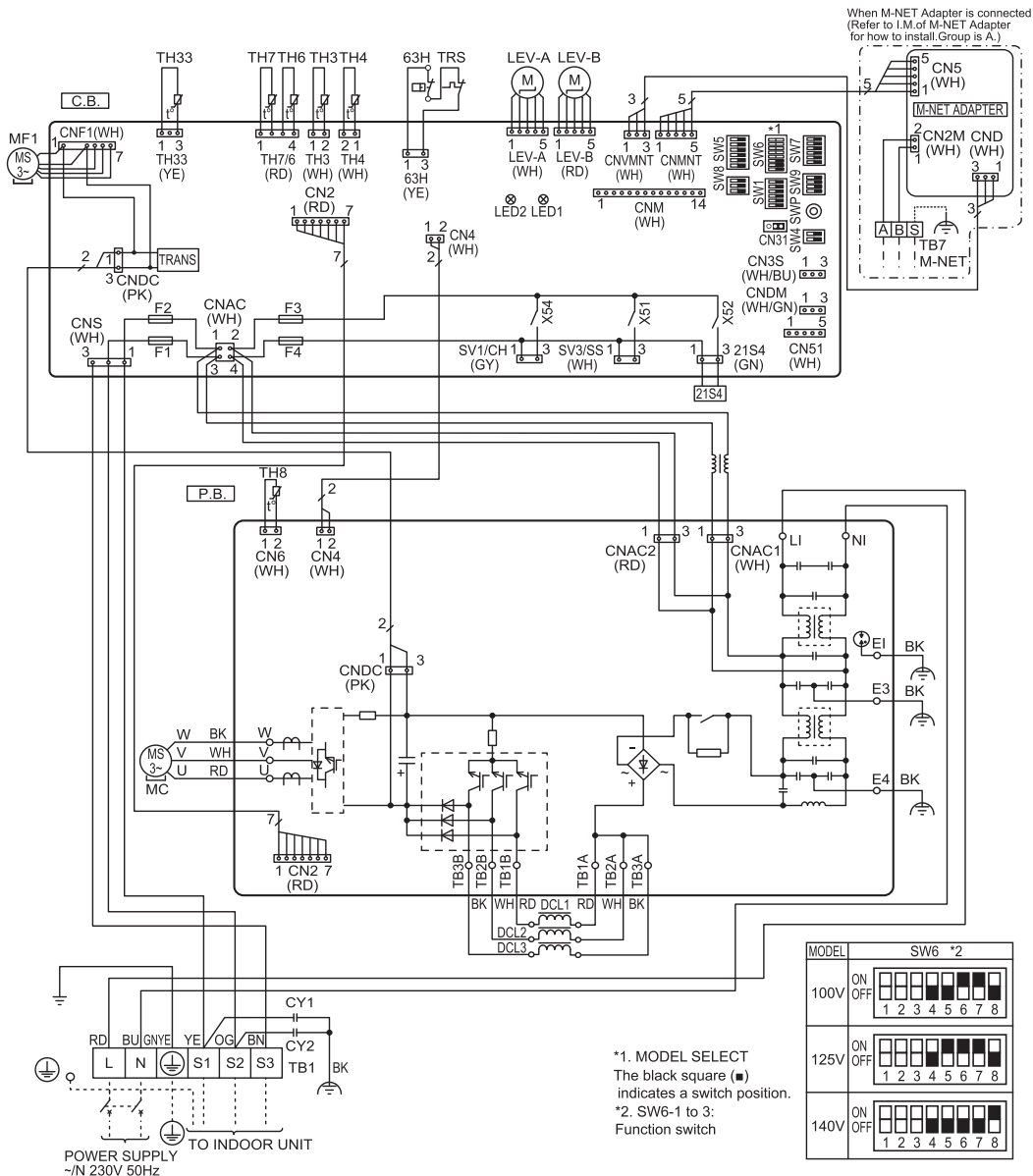


4 WIRING DIAGRAM

PUZ-ZM100VDA
PUZ-ZM125VDA
PUZ-ZM140VDA

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	CY1, CY2	Capacitor	CNDM	Connector <Connection for Option>
MC	Motor for Compressor	P.B.	Power Circuit Board	CN51	Connector <Connection for Option>
MF1	Fan Motor	C.B.	Controller Circuit Board	SV1/CH	Connector <Connection for Option>
63H	High Pressure Switch	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	SV3/SS	Connector <Connection for Option>
TRS	Thermal Protector	SW4	Switch <Test Operation>	CNM	Connector <Connection for Option>
TH3	Thermistor <Liquid>	SW5	Switch <Function Switch>	CNMNT	Connector <Connect to Optional M-NET Adapter Board>
TH4	Thermistor <Discharge>	SW6	Switch <Function Switch/Model Select>	CNMNT	Connector <Connect to Optional M-NET Adapter Board>
TH6	Thermistor <2-Phase Pipe>	SW7	Switch <Function Switch>	LED1, LED2	LED <Operation Inspection Indicators>
TH7	Thermistor <Ambient>	SW8	Switch <Function Switch>	F1, F2	Fuse <T10AL250V>
TH8	Thermistor <Heat Sink>	SW9	Switch <Function Switch>	F3, F4	Fuse <T6.3AL250V>
TH33	Thermistor <Comp. Surface>	SWP	Switch <Pump Down>	X51, X52, X54	Relay
LEV-A, LEV-B	Linear Expansion Valve	CN31	Connector <Emergency Operation>		
21S4	Solenoid Valve (4-Way Valve)	CN3S	Connector <Connection for Option>		
DCL1, DCL2, DCL3	Reactor				



Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

M-NET ADAPTER

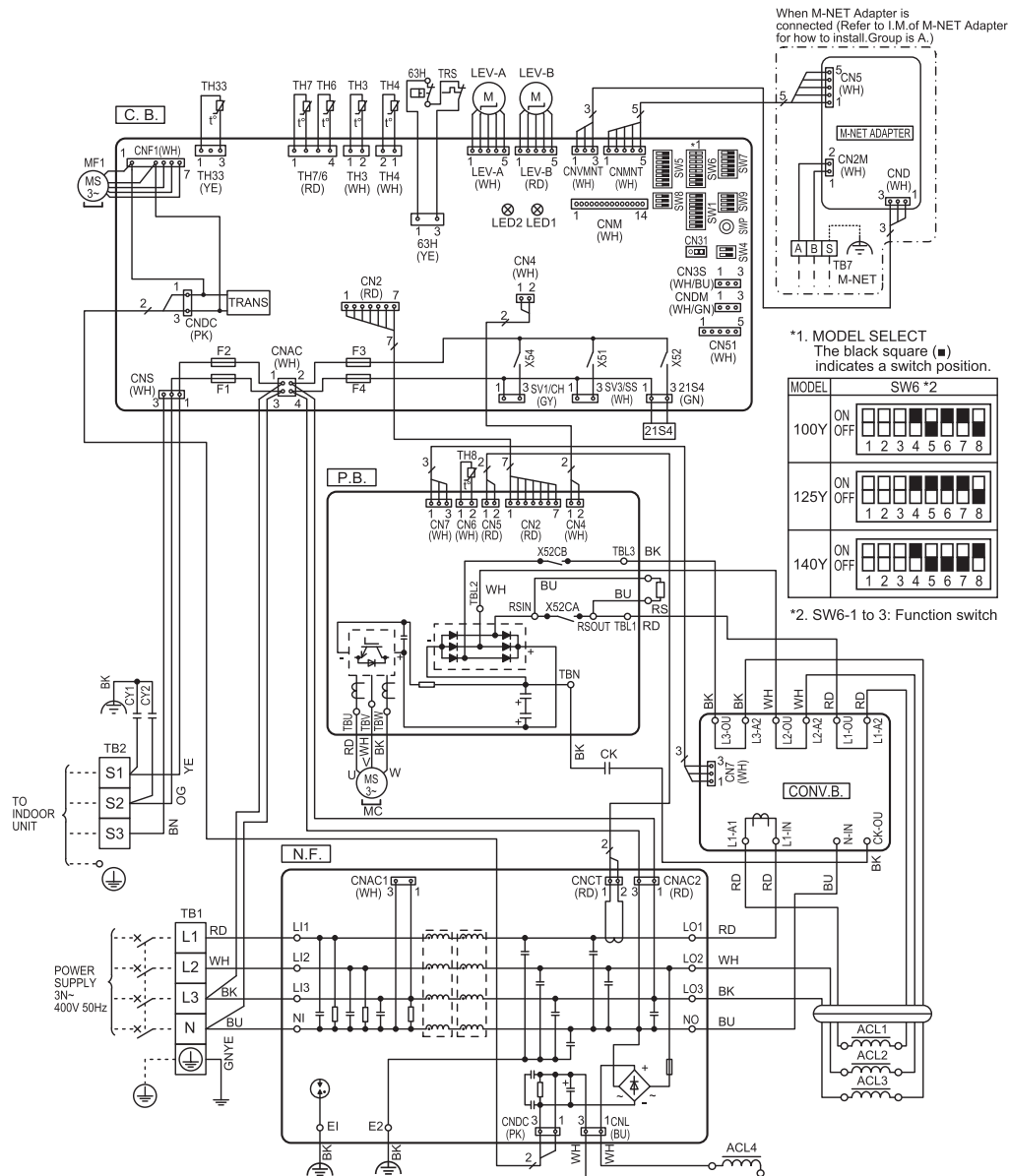
[LEGEND]

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

PUZ-ZM100YDA
PUZ-ZM125YDA
PUZ-ZM140YDA

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply>	RS	Rush Current Protect Resistor	CN3S	Connector <Connection for Option>
TB2	Terminal Block <Indoor/Outdoor>	CY1, CY2	Capacitor	CNDM	Connector <Connection for Option>
MC	Motor for Compressor	P.B.	Power Circuit Board	CN51	Connector <Connection for Option>
MF1	Fan Motor	N.F.	Noise Filter Circuit Board	SV1/CH	Connector <Connection for Option>
63H	High Pressure Switch	CONV.B.	Converter Circuit Board	SV3/SS	Connector <Connection for Option>
TRS	Thermal Protector	C.B.	Controller Circuit Board	CNM	Connector <Connection for Option>
TH3	Thermistor <Liquid>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNMNT	Connector <Connect to Optional M-NET Adapter Board>
TH4	Thermistor <Discharge>	SW4	Switch <Test Operation>	CNMVMT	Connector <Connect to Optional M-NET Adapter Board>
TH6	Thermistor <2-Phase Pipe>	SW5	Switch <Function Switch>	LED1, LED2	LED <Operation Inspection Indicators>
TH7	Thermistor <Ambient>	SW6	Switch <Function Switch/Model Select>	F1, F2	Fuse <T10AL250V>
TH8	Thermistor <Heat Sink>	SW7	Switch <Function Switch>	F3, F4	Fuse <T6.3AL250V>
TH33	Thermistor <Comp. Surface>	SW8	Switch <Function Switch>	X51, X52, X54	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW9	Switch <Function Switch>		
21S4	Solenoid Valve (4-Way Valve)	SWP	Switch <Pump Down>		
ACL1, ACL2, ACL3, ACL4	Reactor	CN31	Connector <Emergency Operation>		
CK	Capacitor				



Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

M-NET ADAPTER

[LEGEND]

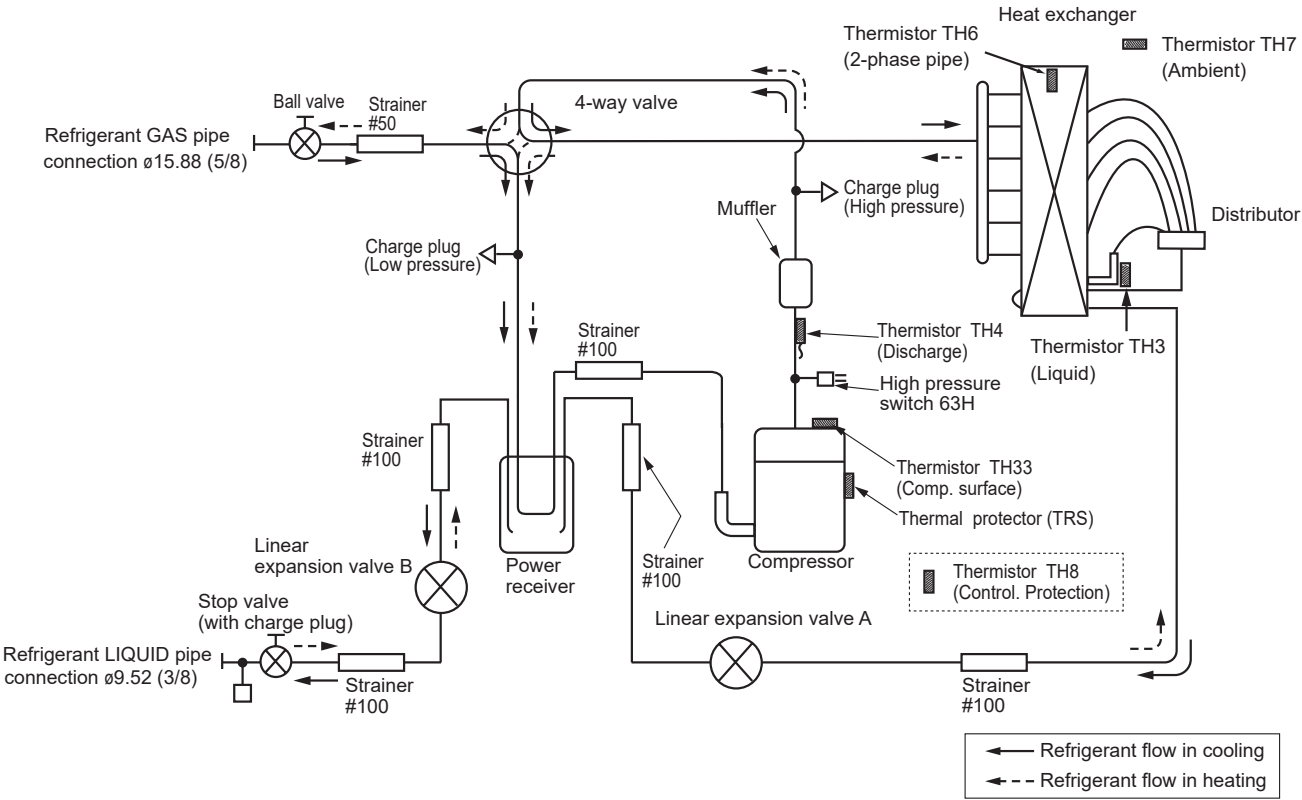
SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

5 REFRIGERANT SYSTEM DIAGRAM

PUZ-ZM100VDA
PUZ-ZM125VDA
PUZ-ZM140VDA

PUZ-ZM100YDA
PUZ-ZM125YDA
PUZ-ZM140YDA

Unit: mm

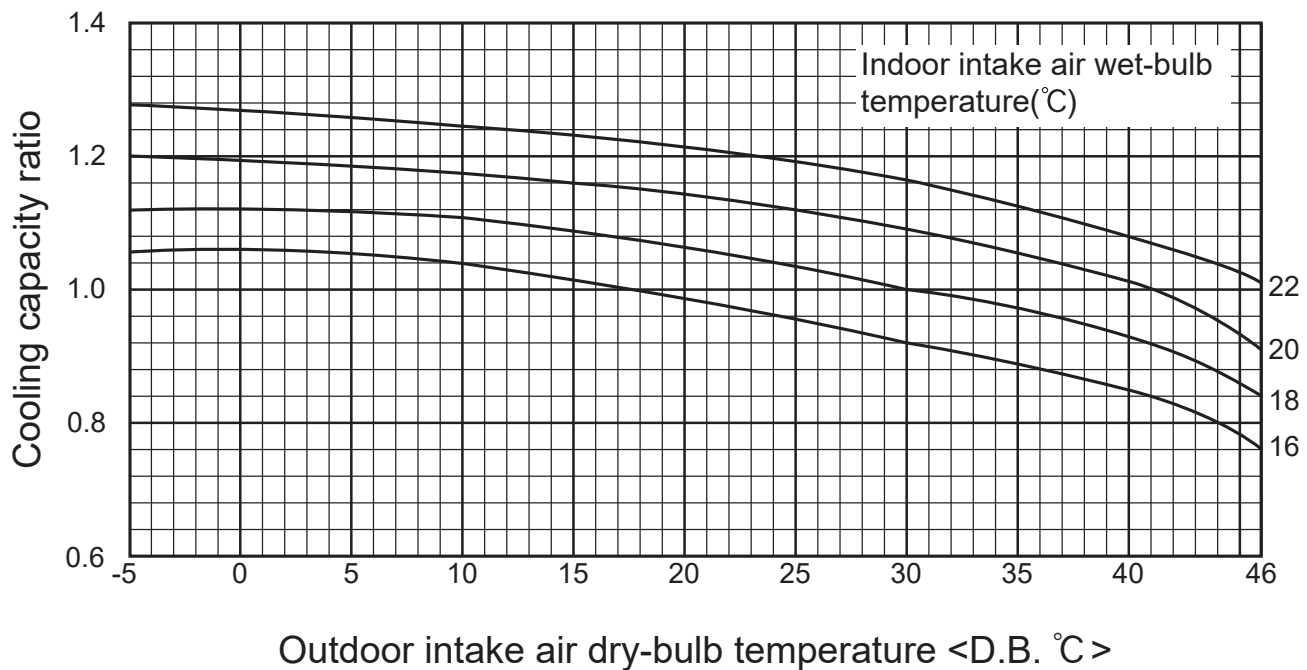


6 PERFORMANCE CURVES

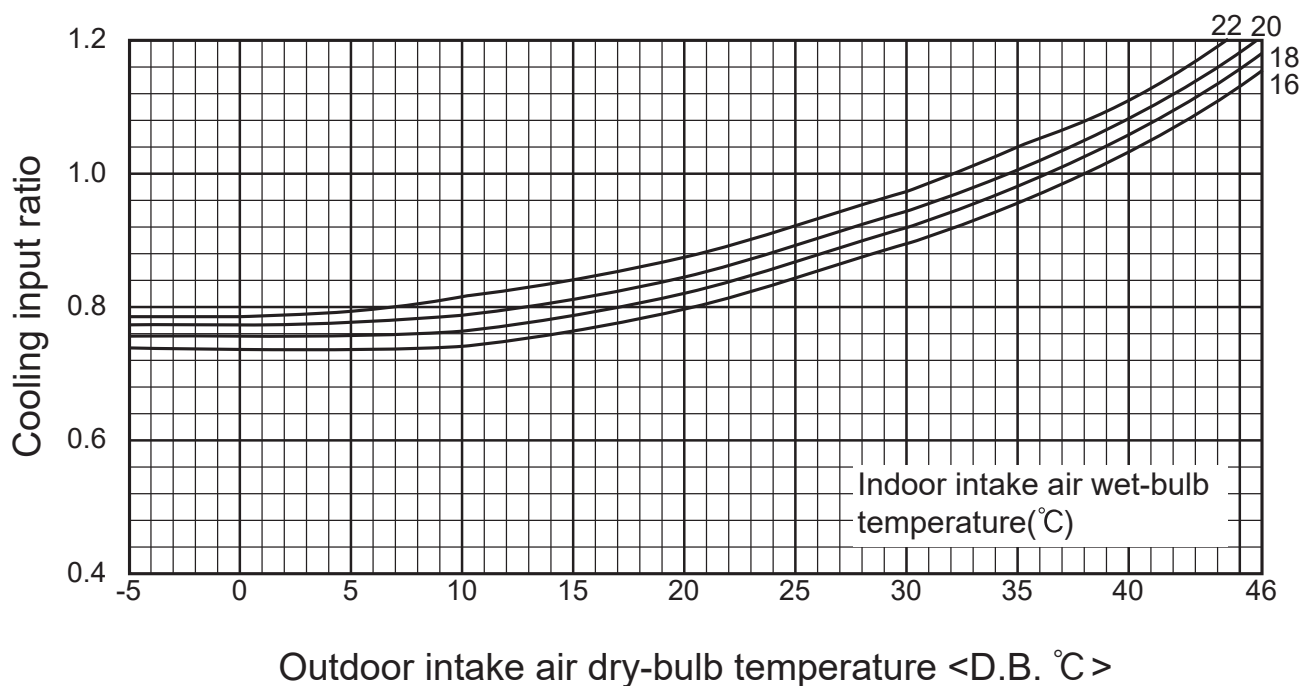
6.1. INVERTER MODELS Heat pump type [Without the optional Air protect guide]

PUZ-ZM100VDA	PUZ-ZM100YDA
PUZ-ZM125VDA	PUZ-ZM125YDA
PUZ-ZM140VDA	PUZ-ZM140YDA

Cooling capacity



Cooling input

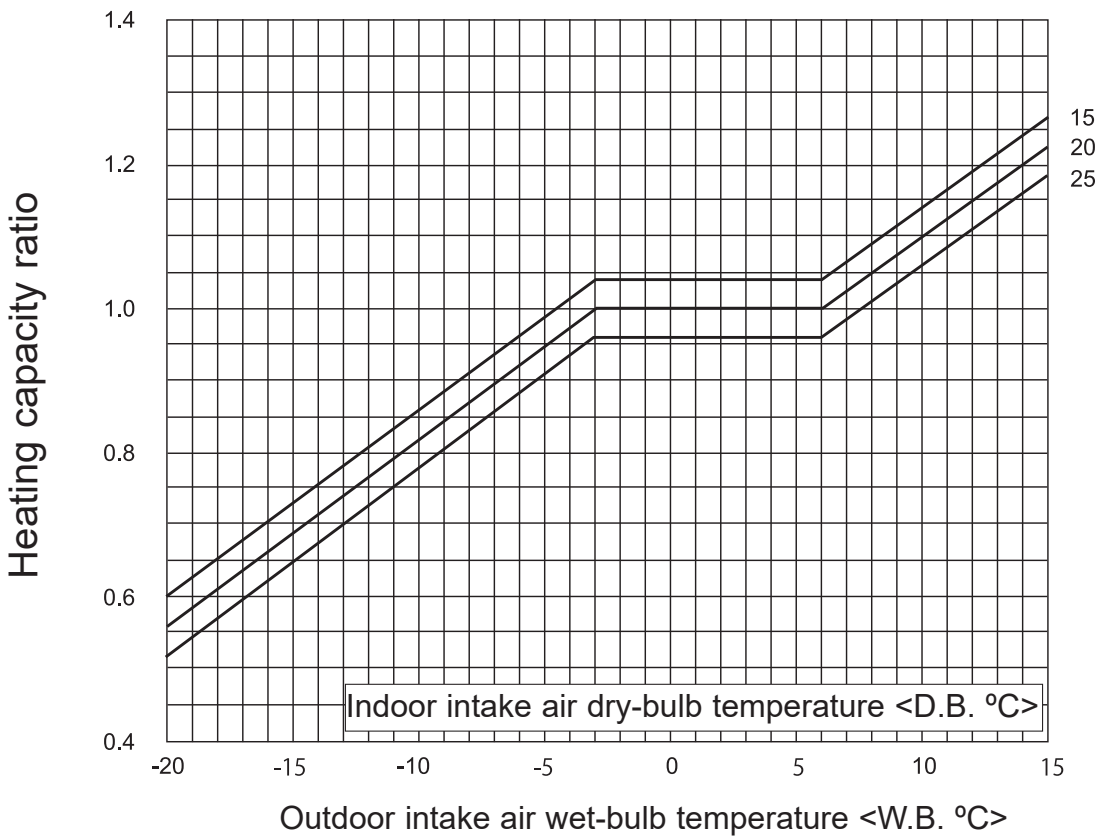


Note : This diagrams show the case where the operation frequency of a compressor is fixed.

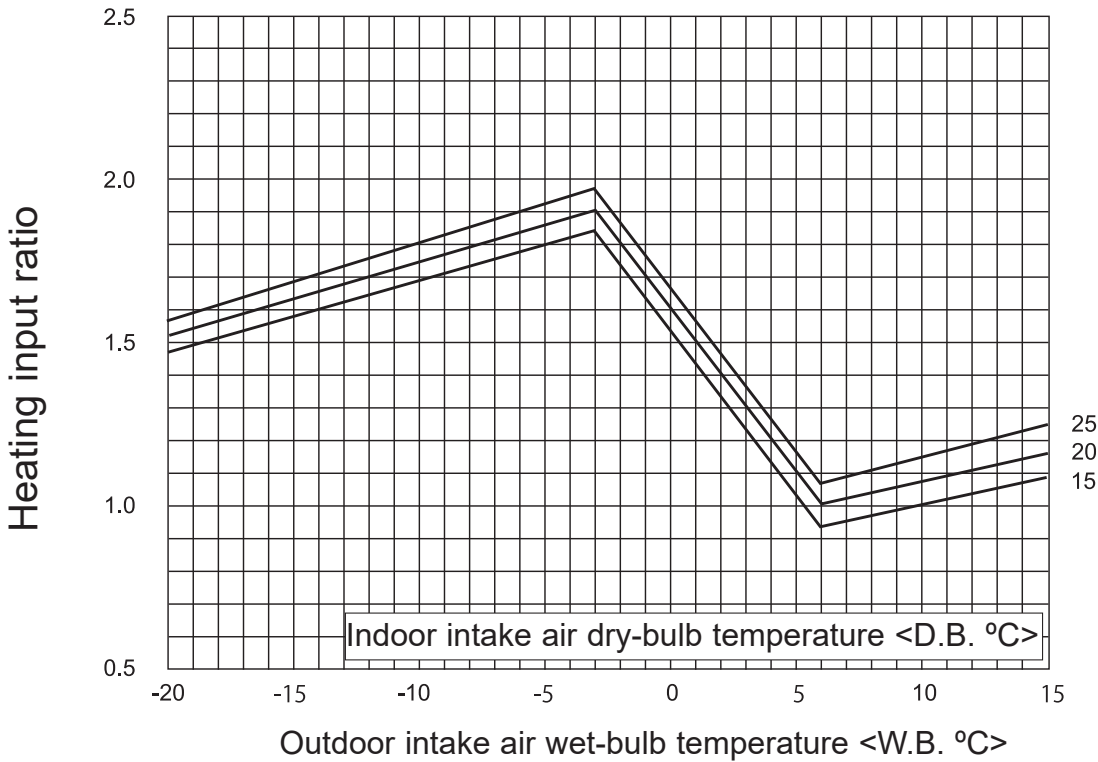
PUZ-ZM100VDA
PUZ-ZM125VDA
PUZ-ZM140VDA

PUZ-ZM100YDA
PUZ-ZM125YDA
PUZ-ZM140YDA

Heating capacity



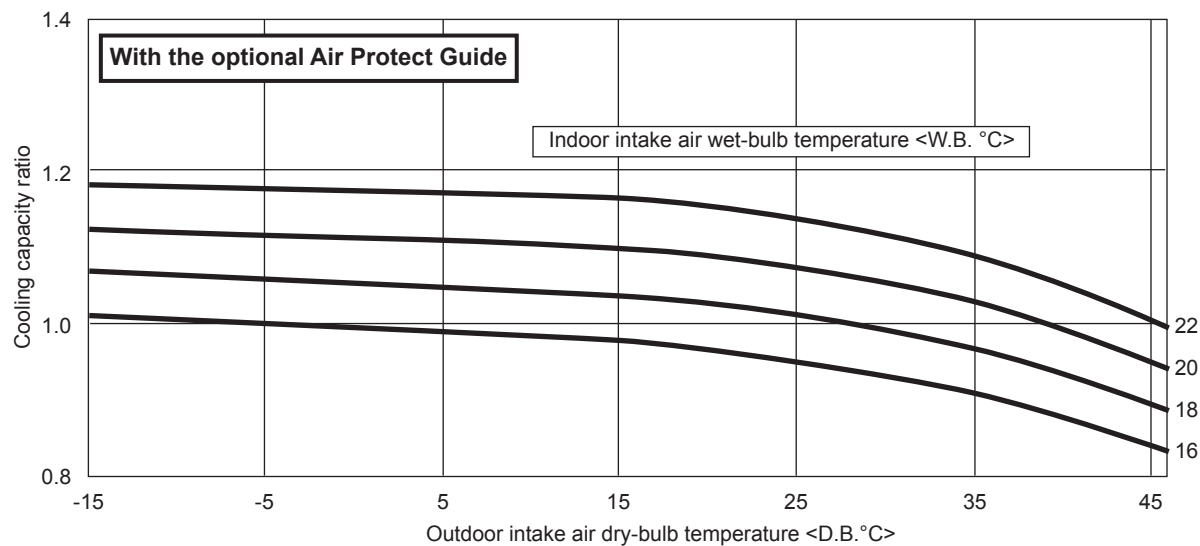
Heating input



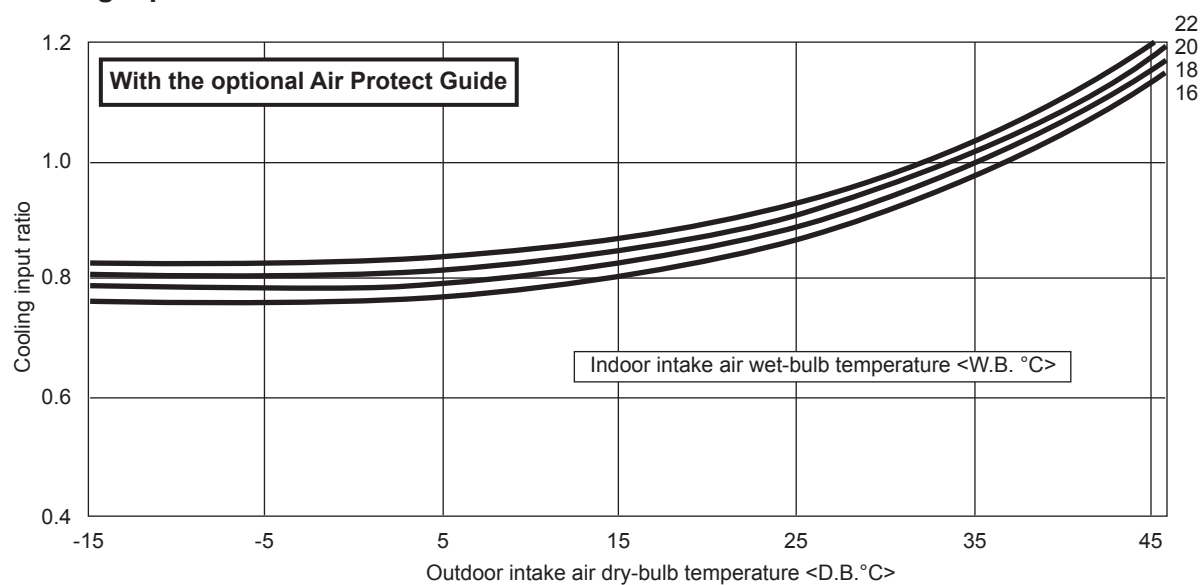
6.2. INSTALLING AN AIR PROTECT GUIDE

Installing an air protect guide allows the cooling operation in the extended outside air temperature range down to -20°C .

Cooling capacity



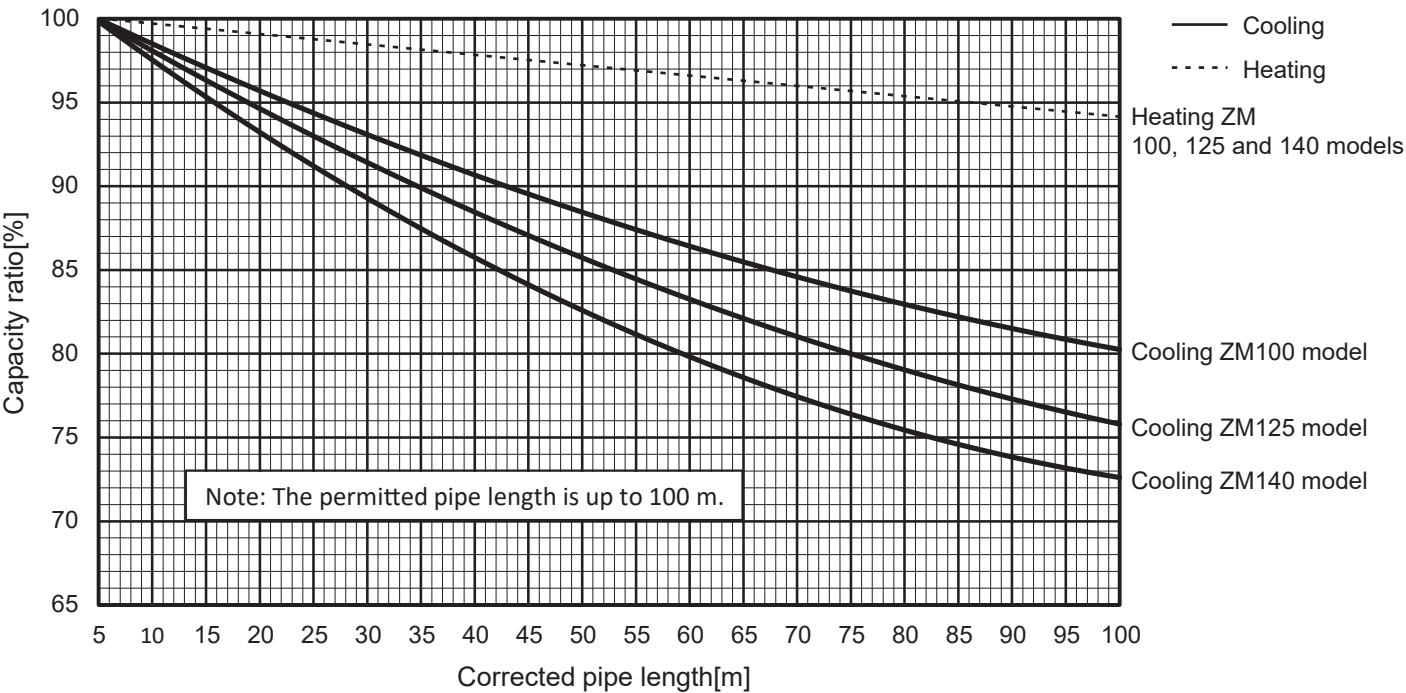
Cooling input



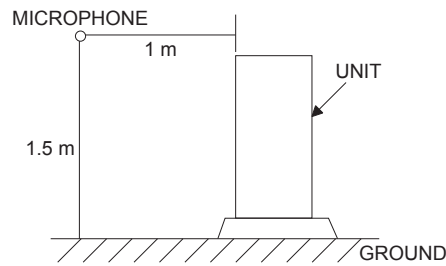
Optional parts name	Optional parts No.
Air protect guide	PAC-SL13AG-E

6.3. CAPACITY CORRECTION RATIO CURVE PIPNG LENGTH

PUZ-ZM100VDA PUZ-ZM100YDA
PUZ-ZM125VDA PUZ-ZM125YDA
PUZ-ZM140VDA PUZ-ZM140YDA



7 NOISE CRITERIA CURVES

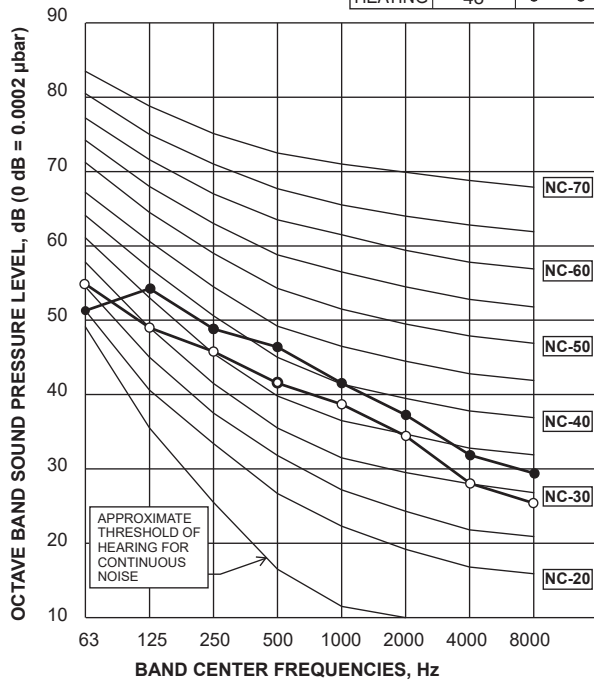


<Notes>

- 1) Sound data is taken when the system is running stably.
- 2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

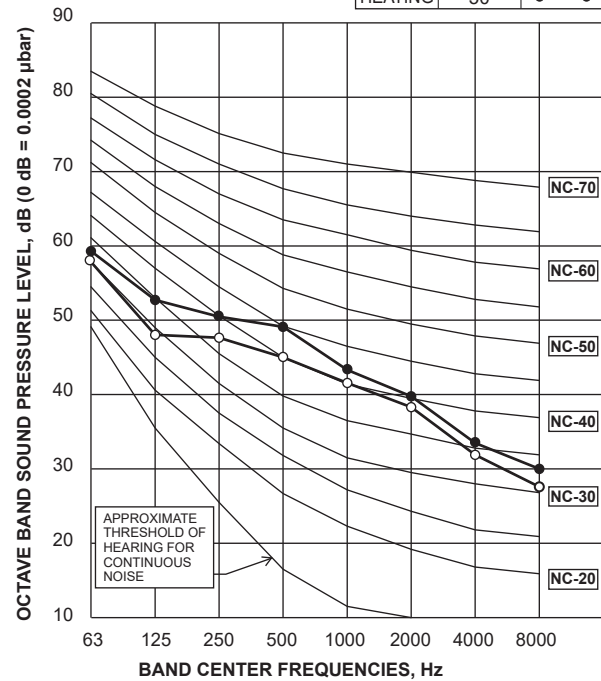
PUZ-ZM100VDA PUZ-ZM100YDA

MODE	SPL(dB)	LINE
COOLING	44	○—○
HEATING	48	●—●



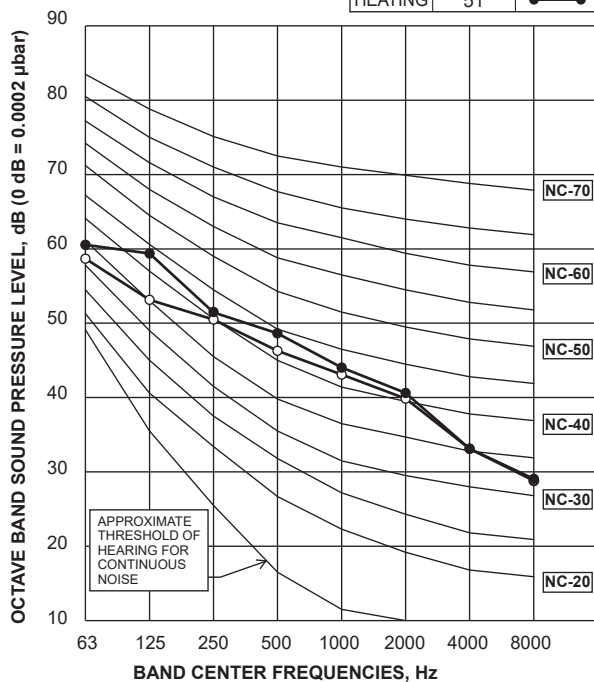
PUZ-ZM125VDA PUZ-ZM125YDA

MODE	SPL(dB)	LINE
COOLING	47	○—○
HEATING	50	●—●



PUZ-ZM140VDA PUZ-ZM140YDA

MODE	SPL(dB)	LINE
COOLING	49	○—○
HEATING	51	●—●



8 EARTHQUAKE-PROOF STRENGTH ANALYSIS

1.Type: S Series Inverter Outdoor unit

2.Model name: PUZ-ZM100VDA PUZ-ZM125VDA PUZ-ZM140VDA

3.Specification

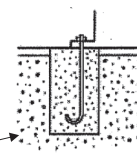
- (1) Unit mass W = 107 kg
- (2) Anchor bolt
- 1.The total number of bolts N = 4
- 2.The size and shape "M = 10 type
- 3.The axis section area per one bolt A = 78 mm² = 78×10⁻⁶ m²
- 4.The total number of bolts in one side which be pulled stronger when the unit inverted Nt = 2
- (3) The height between the installing surface and the center of gravity of the unit Hg = 404 mm = 0.404 m
- (4) The bolt-span from the examination angle L = 505 mm = 0.505 m
- (5) The distance between the center of bolt and the center of gravity of the unit Lg = 291 mm (Lg ≤ L/2) = 0.291 m

4.The examination calculation (by rounding off to the first decimal place of each item)

- (1) The horizontal seismic coefficient for designing Kh = 1.0
- (2) The vertical seismic coefficient for designing Kv = Kh/2 = 0.5
- (3) The horizontal earthquake forces for designing Fh = Kh · W · 9.8 = 1048.6 N
- (4) The vertical earthquake forces for designing Fv = Kv · W · 9.8 = 524.3 N
- (5) The withdrawal strength of the anchor bolt $R_b = \frac{F_h \cdot H_g \cdot (W \cdot 9.8 - F_v) \cdot L_g}{L \cdot N_t}$ = 268.4 N
- (6) The shear forces of the anchor bolt Q = Fh/N = 262.2 N
- (7) The stress arising to the anchor bolt
- 1.The tensile stress $\sigma = R_b/A = 3.4$ MPa < ft = 176.0 MPa
- 2.The shearing stress $\tau = Q/A = 3.4$ MPa < fs = 101 MPa
- 3.The stress when affected by both the shearing and the tensile at the same time fts' = 1.4ft - 1.6τ = 241.0 MPa
However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.

$$\sigma = 3.4 \text{ MPa}$$

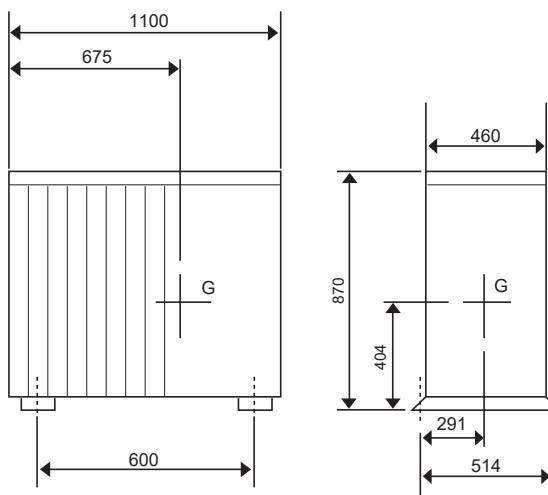
$$< fts = 101.0 \text{ MPa}$$



(8) The construction way of the anchor bolt

- 1.The construction way of the anchor bolt = Boxed J type anchor
- 2.The thickness of the concrete = 120 mm = 0.120 m
- 3.The length of buried part of bolt = 70 mm = 0.070 m
- 4.The permissible withdrawal weight Ta = 3136 N > Rb = 268.4 N

Since the results from the examination above, the anchor bolt has enough strength



1.Type: S Series Inverter Outdoor unit

2.Model name: PUZ-ZM100YDA

3.Specification

- (1) Unit mass W= 114 kg
- (2) Anchor bolt
- 1.The total number of bolts N= 4
- 2.The size and shape "M 10 type
- 3.The axis section area per one bolt A= 78 mm²= 78×10⁻⁶ m²
- 4.The total number of bolts in one side which be pulled stronger when the unit inverted Nt= 2
- (3) The height between the installing surface and the center of gravity of the unit Hg= 440 mm= 0.440 m
- (4) The bolt-span from the examination angle L= 505 mm= 0.505 m
- (5) The distance between the center of bolt and the center of gravity of the unit Lg= 290 mm(Lg≤L/2)= 0.29 m

4.The examination calculation (by rounding off to the first decimal place of each item)

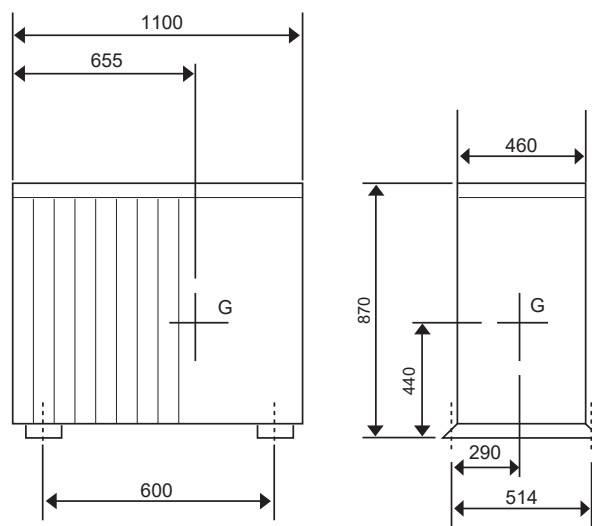
- (1) The horizontal seismic coefficient for designing Kh= 1.0
- (2) The vertical seismic coefficient for designing Kv=Kh/2= 0.5
- (3) The horizontal earthquake forces for designing Fh=Kh·W·9.8= 1117.2 N
- (4) The vertical earthquake forces for designing Fv=Kv·W·9.8= 558.6 N
- (5) The withdrawal strength of the anchor bolt $R_b = \frac{F_h \cdot H_g - (W \cdot 9.8 - F_v) \cdot L_g}{L \cdot N_t}$ = 326.3 N
- (6) The shear forces of the anchor bolt Q=Fh/N= 279.3 N
- (7) The stress arising to the anchor bolt
- 1.The tensile stress $\sigma = R_b/A = 4.2$ MPa < ft = 176.0 MPa
- 2.The shearing stress $\tau = Q/A = 3.6$ MPa < fs = 101 MPa
- 3.The stress when affected by both the shearing and the tensile at the same time fts'=1.4ft-1.6τ = 240.6 MPa
However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.

$$\sigma = 4.2 \text{ MPa} < fts = 101.0 \text{ MPa}$$

(8) The construction way of the anchor bolt

- 1.The construction way of the anchor bolt = Boxed J type anchor
- 2.The thickness of the concrete = 120 mm = 0.120 m
- 3.The length of buried part of bolt = 70 mm = 0.070 m
- 4.The permissible withdrawal weight Ta= 3136 N > Rb= 326.3 N

Since the results from the examination above, the anchor bolt has enough strength



1.Type: S Series Inverter Outdoor unit

2.Model name: PUZ-ZM125YDA

3.Specification

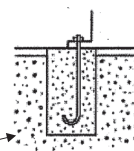
- (1) Unit mass $W = 116$ kg
- (2) Anchor bolt
- The total number of bolts $N = 4$
 - The size and shape "M 10 type
 - The axis section area per one bolt $A = 78$ mm² = 78×10^{-6} m²
 - The total number of bolts in one side which be pulled stronger when the unit inverted $N_t = 2$
- (3) The height between the installing surface and the center of gravity of the unit $H_g = 440$ mm = 0.440 m
- (4) The bolt-span from the examination angle $L = 505$ mm = 0.505 m
- (5) The distance between the center of bolt and the center of gravity of the unit $L_g = 285$ mm ($L_g \leq L/2$) = 0.285 m

4.The examination calculation (by rounding off to the first decimal place of each item)

- (1) The horizontal seismic coefficient for designing $K_h = 1.0$
- (2) The vertical seismic coefficient for designing $K_v = K_h/2 = 0.5$
- (3) The horizontal earthquake forces for designing $F_h = K_h \cdot W \cdot 9.8 = 1136.8$ N
- (4) The vertical earthquake forces for designing $F_v = K_v \cdot W \cdot 9.8 = 568.4$ N
- (5) The withdrawal strength of the anchor bolt $R_b = \frac{F_h \cdot H_g - (W \cdot 9.8 - F_v) \cdot L_g}{L \cdot N_t} = 334.8$ N
- (6) The shear forces of the anchor bolt $Q = F_h/N = 284.2$ N
- (7) The stress arising to the anchor bolt
- The tensile stress $\sigma = R_b/A = 4.3$ MPa < $f_t = 176.0$ MPa
 - The shearing stress $\tau = Q/A = 3.6$ MPa < $f_s = 101$ MPa
 - The stress when affected by both the shearing and the tensile at the same time $f_{ts}' = 1.4f_t - 1.6\tau = 240.6$ MPa
However f_{ts} equals f_{ts}' when f_{ts}' less than or equal to f_t , and f_{ts} equal f_t when f_{ts}' is greater f_t .

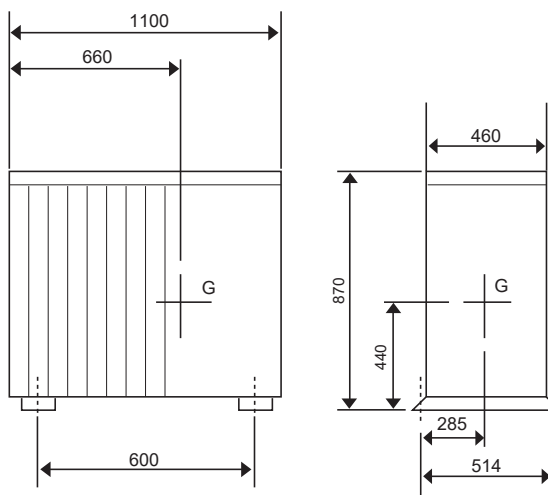
$$\sigma = 4.3 \text{ MPa}$$

$$< f_{ts} = 101.0 \text{ MPa}$$



- (8) The construction way of the anchor bolt
- The construction way of the anchor bolt = Boxed J type anchor
 - The thickness of the concrete = 120 mm = 0.120 m
 - The length of buried part of bolt = 70 mm = 0.070 m
 - The permissible withdrawal weight $T_a = 3136$ N > $R_b = 334.8$ N

Since the results from the examination above, the anchor bolt has enough strength



1.Type: S Series Inverter Outdoor unit

2.Model name: PUZ-ZM140YDA

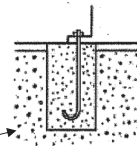
3.Specification

- | | |
|---|--|
| (1) Unit mass | W= 121 kg |
| (2) Anchor bolt | |
| 1.The total number of bolts | N= 4 |
| 2.The size and shape | "=M 10 type |
| 3.The axis section area per one bolt | A= 78 mm ² = 78×10 ⁻⁶ m ² |
| 4.The total number of bolts in one side which be pulled stronger when the unit inverted | Nt= 2 |
| (3) The height between the installing surface and the center of gravity of the unit | Hg= 389 mm= 0.389 m |
| (4) The bolt-span from the examination angle | L= 505 mm= 0.505 m |
| (5) The distance between the center of bolt and the center of gravity of the unit | Lg= 282 mm(Lg≤L/2)= 0.282 m |

4.The examination calculation (by rounding off to the first decimal place of each item)

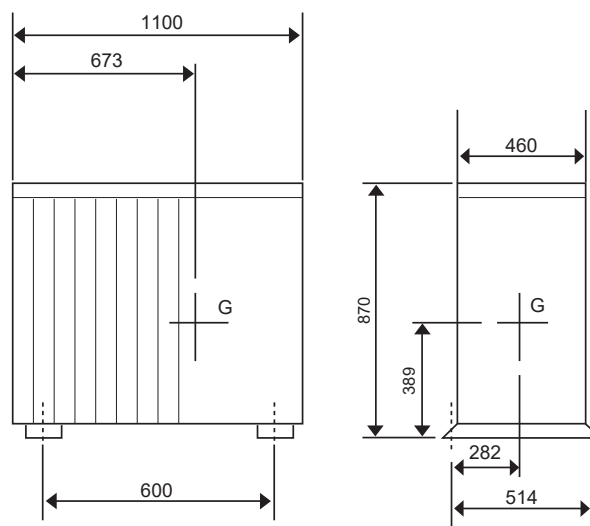
- | | |
|---|---|
| (1) The horizontal seismic coefficient for designing | Kh= 1.0 |
| (2) The vertical seismic coefficient for designing | Kv=Kh/2= 0.5 |
| (3) The horizontal earthquake forces for designing | Fh=Kh·W·9.8= 1185.8 N |
| (4) The vertical earthquake forces for designing | Fv=Kv·W·9.8= 592.9 N |
| (5) The withdrawal strength of the anchor bolt | $R_b = \frac{F_h \cdot H_g - (W \cdot 9.8 - F_v) \cdot L_g}{L \cdot N_t} = 291.2 \text{ N}$ |
| (6) The shear forces of the anchor bolt | Q=Fh/N= 296.5 N |
| (7) The stress arising to the anchor bolt | |
| 1.The tensile stress | $\sigma = R_b / A = 3.7 \text{ MPa} < f_t = 176.0 \text{ MPa}$ |
| 2.The shearing stress | $\tau = Q / A = 3.8 \text{ MPa} < f_s = 101 \text{ MPa}$ |
| 3.The stress when affected by both the shearing and the tensile at the same time | $f_{ts}' = 1.4 f_t - 1.6 \tau = 240.3 \text{ MPa}$ |
| However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft. | |

$$\sigma = 3.7 \text{ MPa} < f_{ts} = 101.0 \text{ MPa}$$



- | | |
|---|--------------------------|
| (8) The construction way of the anchor bolt | |
| 1.The construction way of the anchor bolt | = Boxed J type anchor |
| 2.The thickness of the concrete | = 120 mm = 0.120 m |
| 3.The length of buried part of bolt | = 70 mm = 0.070 m |
| 4.The permissible withdrawal weight | Ta= 3136 N > Rb= 291.2 N |

Since the results from the examination above, the anchor bolt has enough strength



9 Optional Parts

- PAC-SL12SG-E52
- PAC-SL13AG-E53
- PAC-SL14DS-E54
- PAC-SL15DP-E55
- PAC-SL16MA-E56



Descriptions

A part to change air direction from outdoor unit.
Can also be used to prevent short cycles.

Applicable Models

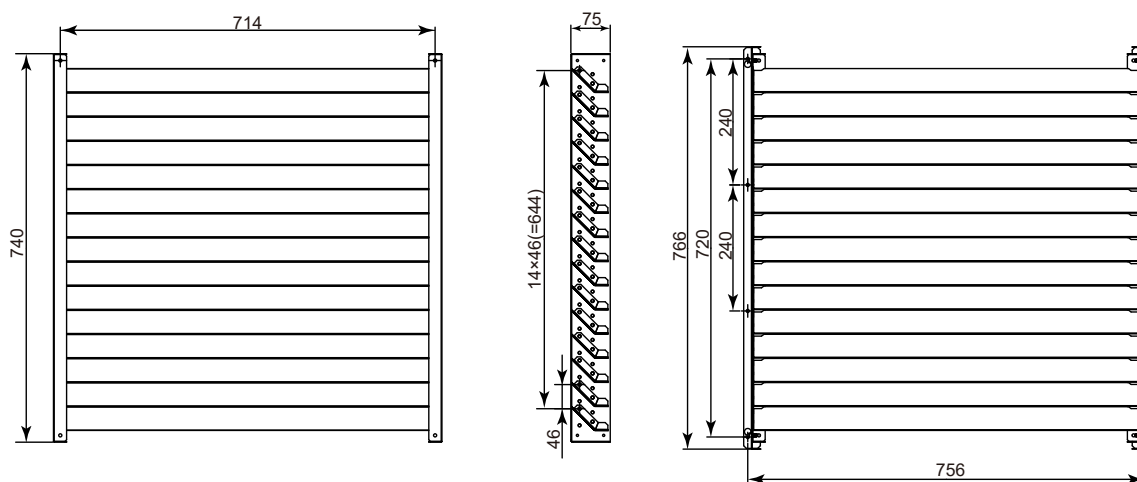
- PUZ-ZM100VDA
- PUZ-ZM100YDA
- PUZ-ZM125VDA
- PUZ-ZM125YDA
- PUZ-ZM140VDA
- PUZ-ZM140YDA

Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Material	Alloy hot-dip zinc-coated carbon steel sheet
Weight		9.62kg
Air outlet direction		Changeable between up, down or sideways
Accessory name x Qty. <Material/Surface treatment>		Screw (M5 × 12) × 16 (Iron wire (SWCH18A))

Dimensions

Unit: mm



When the outdoor unit is installed in front of a store or in a passage, this air outlet guide is used to change the discharge direction of hot air (during cooling) or cold air (during heating) from the outdoor unit. Upward, downward and sideways directions are possible. This guide is also effective to protect the unit installed in a place where high winds may blow against the discharge outlet.

Note the following when installing this guide:

1. Be sure not to use "upward discharge" in a place where snow is forecast. If you do so, snow accumulate in the guard, which could damage the fan, etc.
2. Installing of this product will reduce the capacity of the unit (approx. 2 or 3%) and increase the noise of outdoor unit (approx. 1 or 2 dB).
3. Do not use this product where there is any obstacle at either side or above the outdoor unit (discharge air will be blocked): This may cause a short cycle.
4. Installation spaces of representative types are described. For your confirmation, please refer to Installation Manual of the outdoor unit or the section of Installation Space in the catalog.

How to Use / How to Install

Refer to Installation Manual.

Descriptions

Enables operation even when the outside temperature is low.
Protect the unit from cold wind.

Applicable Models

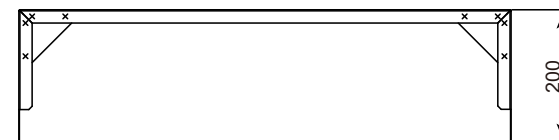
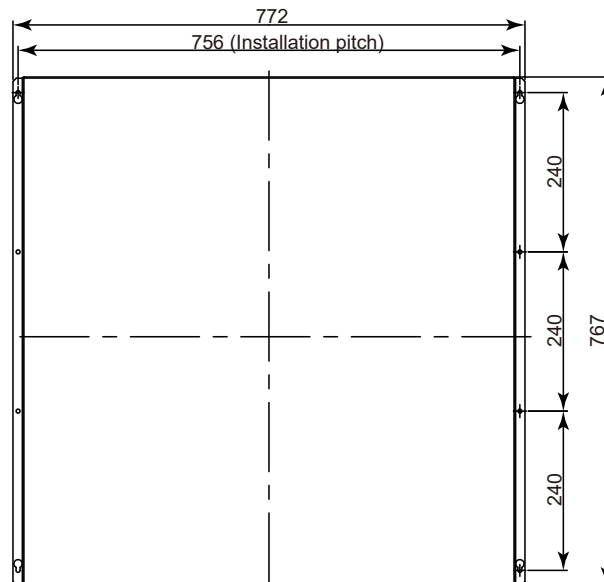
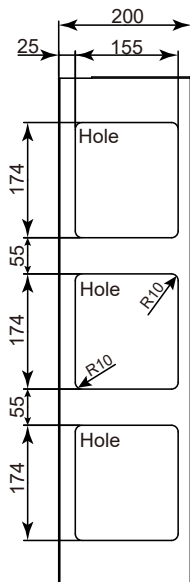
- PUZ-ZM100VDA ■ PUZ-ZM125YDA
- PUZ-ZM100YDA ■ PUZ-ZM140VDA
- PUZ-ZM125VDA ■ PUZ-ZM140YDA

Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc-coated carbon steel sheet
Weight		4.92kg
Accessory name x Qty. <Material/Surface treatment>		Screw (M5 × 12) × 8 (Iron wire (SWCH18A))

Dimensions

Unit: mm (inch)



This Air protect guide prevents reverse rotation of outdoor unit fan when it enters low speed rotation mode with fan controller being operated. It is also used for protection of fan when strong winds, such as in a typhoon, wind blowing through tall buildings, etc., directly strike the air outlet. In addition, installation of this product is necessary when cooling operation is to be performed in outside-air temperature of -5°C or lower.

Pay attention to the following points when installing this product:

1. To eliminate the effects of external wind, be sure to install this unit with back surface facing wall side.
2. Do not install this unit in orientation or site where wind directly blows at the back of the unit.
3. Installing of this product will reduce the capacity of the unit (approx. 2 or 3%) and increase the noise of outdoor unit (approx. 1 or 2 dB)
4. Do not use this product where there is any obstacle at either side or above the outdoor unit (discharge air will be blocked): This may cause a short cycle.

How to Use / How to Install

Refer to Installation Manual.

Descriptions

Cap the unnecessary holes on the outdoor unit (bottom) and centralize the drainage when using a drain pipe.

Applicable Models

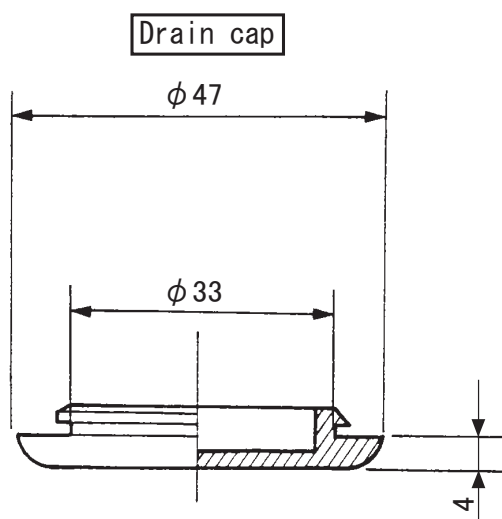
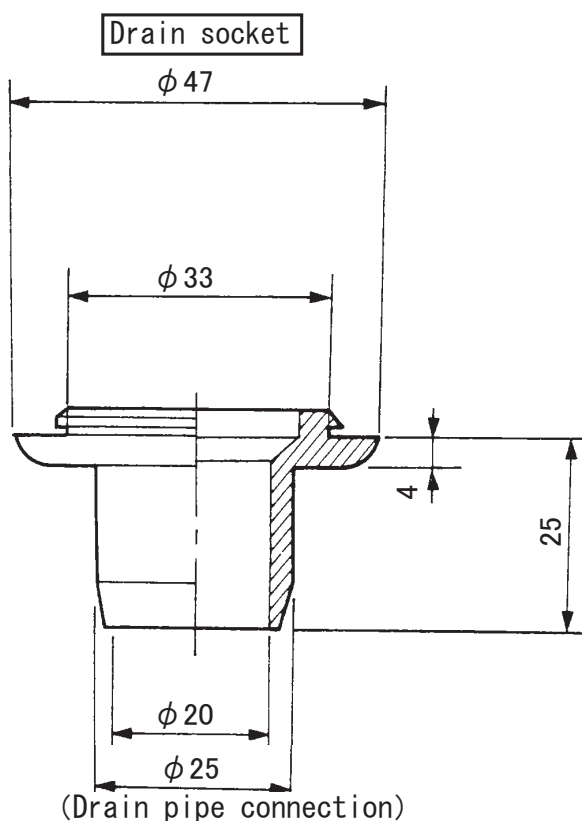
- PUZ-ZM100VDA
- PUZ-ZM100YDA
- PUZ-ZM125VDA
- PUZ-ZM125YDA
- PUZ-ZM140VDA
- PUZ-ZM140YDA

Specifications

Drain pipe	PVC VP-25 or vinyl tube (ID: 25mm)
Operating conditions	No freezing allowed (Never to be used in cold climates)
Material	EPT rubber
Component	Drain socket x 1, Drain cap x 6 Insulation part x 2 (1 for liquid pipe, 1 for gas pipe), Band x 8

Dimensions

Unit: mm



How to Use / How to Install

Refer to Installation Manual.

Descriptions

A drain pan for the drain water generated from the outdoor unit.

Applicable Models

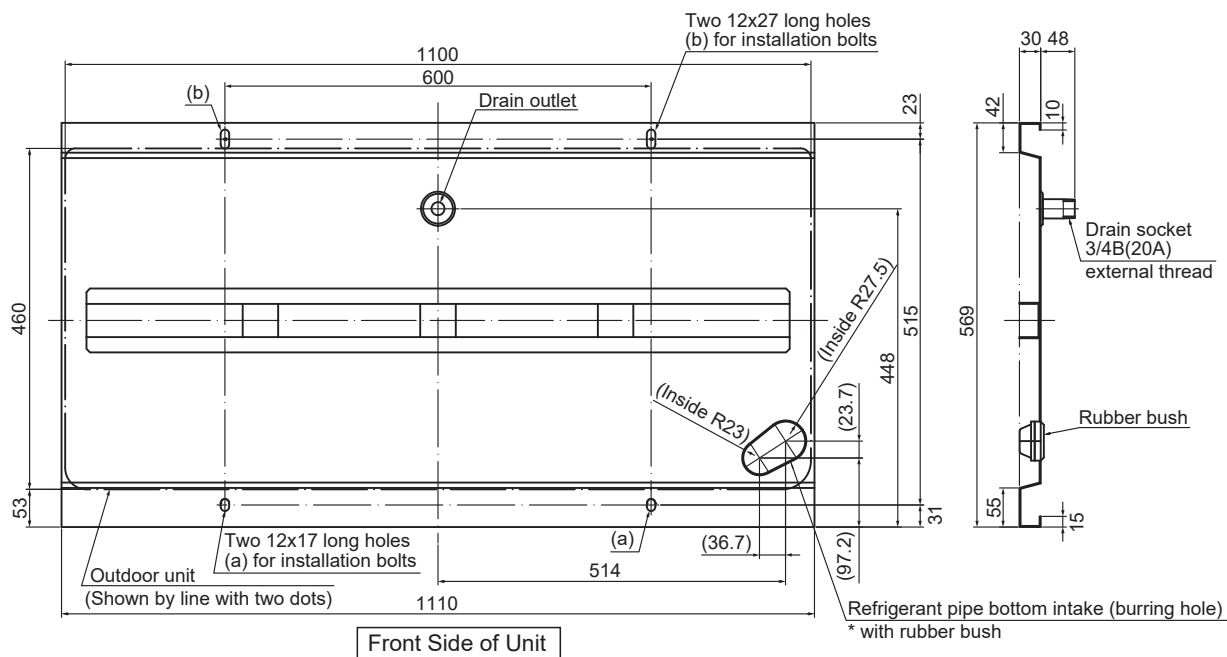
- PUZ-ZM100VDA
- PUZ-ZM100YDA
- PUZ-ZM125VDA
- PUZ-ZM125YDA
- PUZ-ZM140VDA
- PUZ-ZM140YDA

Specifications

Drain outlet size		R3/4 screw (20A)
Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc-coated carbon steel sheet (t1.6)
Weight		11.64kg
Mounting bolt (locally prepared)		M10 (or W3/8), length: 60 mm or less extrusion from drain pan's under surface

Dimensions

Unit: mm



How to Use / How to Install

Refer to Installation Manual.

OPTIONAL
PARTS

OUTDOOR UNIT

Descriptions

A-control Mr. SLIM models can be connected to "M-NET" through optional M-NET converter so that they can be monitored / controlled effectively and meticulously.

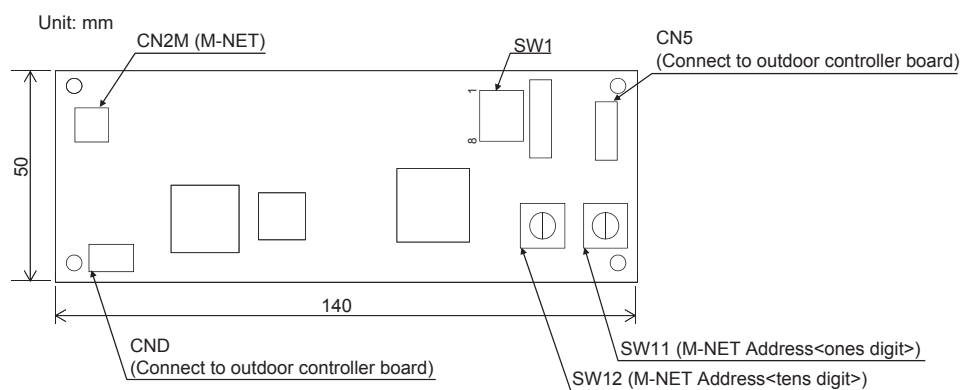
Applicable Models

- PUZ-ZM100VDA
- PUZ-ZM100YDA
- PUZ-ZM125VDA
- PUZ-ZM125YDA
- PUZ-ZM140VDA
- PUZ-ZM140YDA

Specifications

Power	Supplied from control board
Power consumption	0.6W (at 5V DC, 12V DC)
Operating conditions	Mounted inside the electrical utility box of outdoor unit. (Temperature: -20 to 60 °C , humidity: 90% or less (no condensation))
Weight	0.3kg

Dimensions



How to Use / How to Install

Refer to Installation Manual.