ComfortStar®

Air Conditioning & Heating Products

PRODUCT CATALOG

HIGH EFFICIENCY | HEAT PUMPS | MINI SPLITS
LIGHT COMMERCIAL | MULTI-ZONE SYSTEMS

eco smart series™

r32+ ECO FRIENDLY REFRIGERANT

UP TO 25 SEER2

ETL US | AHRI CERTIFIED

www.comfortstarusa.com

Comfort, it´s in our name.

INVEST IN YOUR COMFORT BY CHOOSING COMFORTSTAR AND SUPPORT A GREENER FUTURE FOR GENERATIONS TO COME.

We are excited to introduce this advancement in our new R32 product line. The transition to R32 refrigerants is an exciting milestone for the HVAC industry, underscoring a stronger commitment to sustainability, energy efficiency, and environmental responsibility.

By adopting these innovations, our products are now prepared for a future where we not only comply with regulations but also contribute to cultivating a healthier planet.

Our manufacturing facilities meet high quality and reliability standards, certified by ISO9001 and ISO14001. All products have AHRI and ETL certifications. ComfortStar is committed to enhancing daily comfort in homes, schools, and businesses, ensuring a pleasant atmosphere regardless of the climate.

Recent advancements in inverter technology have positioned mini-split heat pump systems as some of the most efficient heating and air conditioning solutions available today. Mini-splits are particularly advantageous for home expansions, especially when modifying existing ductwork poses challenges. Their easy installation makes them well-suited for light commercial applications such as hotel rooms, office spaces, shopping malls, and hospitals.

As we continue to innovate, our focus remains on creating solutions that align with our core values of quality, integrity, and environmental responsibility. We are excited to lead the way in transforming the HVAC industry, setting new standards for both performance and sustainability.

Comfort, it´s in our name.

ComfortStar®
Air Conditioning & Heating Products

eco smart series™

INVERTER

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eco smart series™

Features:

- Independent Dehumidification
- 24-Hour Timer
- Turbo Mode
- Auto Mode
- Smart Sleep Comfort
- ECO Mode
- Mute Mode
- Intelligent Auto Defrost
- Forced Auto Defrost
- Anti-Cold Air Function
- Auto Restart
- Self-Diagnostics
- Celsius/Fahrenheit Temperature Switch
- Refrigerant Leak Detection
- Fireproof Electrical Box
- Wide Voltage Range (165–265V)
- Indoor Unit Compatible with Single & Multi-Zone Systems

Quick Glance Features:

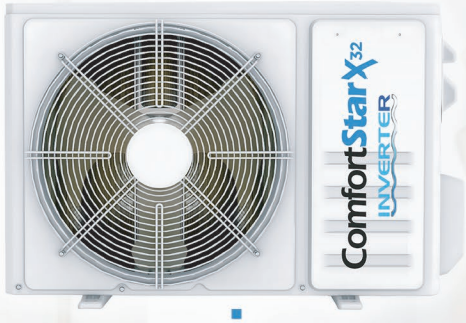
CR32-RC
Standard Remote Included

SINGLE ZONE | LIGHT COMMERCIAL SELECTION CHART

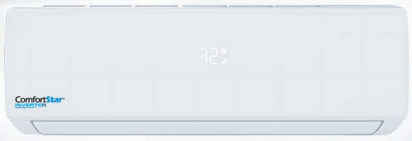
Outdoor unit Model No	CH20-32(I)	TPA32	CPA32	FPA32
CH20-09CA-32(O)	CH20-09CA-32(I)	---	---	---
CH20-12CA-32(O)	CH20-12CA-32(I)	---	---	---
CH20-09CD-32(O)	CH20-09CD-32(I)	TPA32-09CD(I)	CPA32-09CD(I)	---
CH20-12CD-32(O)	CH20-12CD-32(I)	TPA32-12CD(I)	CPA32-12CD(I)	---
CH20-18CD-32(O)	CH20-18CD-32(I)	TPA32-18CD(I)	CPA32-18CD(I)	FPA32-18CD(I)
CH20-24CD-32(O)	CH20-24CD-32(I)	TPA32-24CD(I)	CPA32-24CD(I)	FPA32-24CD(I)
CH20-36CD-32(O)	CH20-36CD-32(I)	—	—	—

eco smart series™

PERFECT FOR ACHIEVING TRUE-ZONING IN APPLICATIONS WHERE THERMAL LOADS MAY VARY WITHIN THE SAME BUILDING. INDOOR HIGH-WALL EVAPORATOR UNITS ARE AVAILABLE FROM 9,000 BTUH TO 36,000 BTUH.



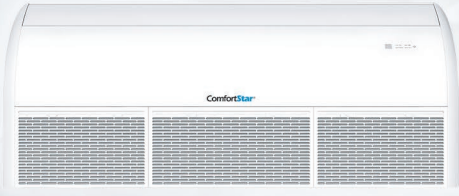
CH20-32(O)



CH20-32

CPA32

TPA32



FPA32

5 YEAR WARANTY COMPRESSOR

3 YEAR WARANTY PARTS

Warranty Registration required except in California and Quebec, Canada.

eco smart series™

CH20 (O) Outdoor Series

Light Commercial
Side Discharge Condensers

r32+ ECO FRIENDLY REFRIGERANT

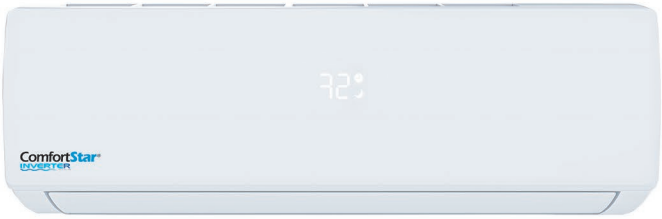
Capacity			9K	12K	18K	24K
Outdoor Unit			CH20-09CD-32(O)	CH20-12CD-32(O)	CH20-18CD-32(O)	CH20-24CD-32(O)
Power Supply		V-Hz-Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Voltage Range		V	187~253	187~253	187~253	187~253
Outdoor Minimum Circuit Ampacity		A	10	11	13	20
Outdoor Max. Fuse		A	15	15	20	30
Outdoor Air Flow		CFM	1120	1530	1600	2400
Outdoor Noise Level (Hi)		dB(A)	53	55	55	60
Connection Wiring			4×16AWG	4×16AWG	4×16AWG	4×16AWG
Outdoor Unit	Unit Dimension (WxDxH)	inch	30.98×11.42×19.61	31.5×12.01×21.69	33.54×13.74×23.7	36.1×14.76×27.56
	Packing Dimension(WxDxH) with pipe	inch	32.99×13.31×21.26	33.54×14.09×23.62	35.43×15.94×25.39	37.8×16.93×28.82
	Net/Gross Weight	lb.	50.71/60.63	51.82/61.73	66.80/77.82	88.20/101.41
Refrigerant	Type/Charge	oz	R32/21.16	R32/20.49	R32/37.74	R32/42.33
	Outdoor Additional Charge per ft	oz/ft	0.11	0.11	0.11	0.11
	N.A. Design Pressure	PSI	710	710	710	710
Refrigerant Piping	Liquid Side/Gas Side	inch	1/4''/3/8''	1/4''/3/8''	1/4''/3/8''	1/4''/1/2"
	Max. Piping Length	ft	50	50	65	65
	Max. Height Difference	ft	33	33	49	49
Operating Temp. Range	Indoor (Cool/Heat)	°F	63~90/32~81	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor (Cool/Heat)	°F	5~127/-4~75	5~127/-4~75	5~127/-4~75	5~127/-4~75

For proper wiring sizes always refer to local codes.

eco smart series™

CH20 (I) Indoor Series

Light Commercial Indoor Heat Pump High Wall Mount



R32+ ECO FRIENDLY REFRIGERANT

INDOOR UNIT			CH20-09CA-32(I)	CH20-12CA-32(I)	CH20-09CD-32(I)	CH20-12CD-32(I)
OUTDOOR UNIT			CH20-09CA-32(O)	CH20-12CA-32(O)	CH20-09CD-32(O)	CH20-12CD-32(O)
Power supply			115V~/60Hz/1P	115V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Rated Cooling (95°F/35°C)	Rated cooling capacity(95°F/35°C)	Btu/h	9000	12000	9000	12000
	Cooling Capacity Range	Btu/h	3400~13000	2000~13900	3400~13500	2000~13900
	EER2 (95°F/35°C)	Btu/W.h	12	9.5	12.5	9.5
	SEER2	Btu/W.h	20	20	21	20
Rated Heating	Rated Heating capacity (47°F/8.3°C)	Btu/h	10000	12000	10000	12000
	Rated Heating capacity(17°F/-8.3°C)	Btu/h	9800	10000	9800	10000
	Range Heating capacity	Btu/h	3400~13000	2000~13900	3400~13500	2000~13900
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	10	9.5	10
	HSPF2 Rating (Region V)	Btu/W.h	8.1	8.5	8.1	8.5
	COP (47°F/8.3°C)	W/W	3.6	3.3	3.6	3.3
	Max. Heating capacity (5°F/-15°C)	W/W	8000	8800	8000	8800
	5°F Heating Ratio		89%	73%	80%	73%
	COP (5°F/-15°C)	W/W	1.8	1.8	1.8	1.8
	Max. Heating capacity (-4°F/-20°C)	Btu/h	6500	7200	6500	7200
	Max. Heating capacity (-13°F/-25°C)	Btu/h	5300	/	5300	/
Rated Input Consumption	Cooling	W	740	1240	720	1240
	Heating	W	875	1150	870	1125
Rated Current	Cooling	A	6.2	10.9	4.5	5.4
	Heating	A	7.3	9.9	3.7	4.9
Min. Circuit Ampacity		A	17	17	10	11
Max. Fuse size		A	25	25	15	15
Moisture removal		Pint/h	2.7	3.4	2.7	3.4
Max allowed Pressure		PSI	725	725	725	725
Indoor noise level at cooling	Turbo/High/Med./Low/Mute	dB(A)	42/39/34/30/28	45/42/35/30/28	42/39/34/30/28	45/42/35/30/28
Indoor air circulation-Turbo/Hi/Mid/Lo/Mute		CFM	335/312/282/265/241	342/270/235/200/152	335/312/282/265/241	342/270/235/200/152
Indoor unit	Net dimensions	Inch	31.93×7.99×11.5	31.93×7.8×11.5	31.93×7.99×11.5	31.93×7.8×11.5
	Net weight	Lbs.	18.74	18.74	18.74	18.74
	Packing dimensions	Inch	34.84×10.83×14.41	34.84×10.83×14.41	34.84×10.83×14.41	34.84×10.83×14.41
	Gross weight	Lbs.	24.25	24.25	24.25	24.25
Outdoor noise level		dB(A)	53	55	53	55
Outdoor unit	Net dimensions	Inch	30.98×11.42×19.61	31.5×12.01×21.69	30.98×11.42×19.61	31.5×12.01×21.69
	Net weight	Lbs.	50.71	52.91	50.71	51.82
	Packing dimensions(with pipe)	Inch	32.99×13.31×21.26	33.54×14.09×23.62	32.99×13.31×21.26	33.54×14.09×23.62
	Gross weight(with pipe)	Lbs.	60.63	62.83	60.63	61.73
Refrigerant		Type	R32	R32	R32	R32
		oz	21.16	20.46	21.16	20.46
Additional refrigerant charge		oz/ft	0.11	0.11	0.11	0.11
Refrigerant piping	Gas side	Inch	3/8''	3/8''	3/8''	3/8''
	Liquid side	Inch	1/4''	1/4''	1/4''	1/4''
	Max. refrigerant pipe length	ft	50	50	50	50
	Max. difference in level	ft	33	33	33	33
Connecting Wiring	Size x Core number		4×16AWG	4×16AWG	4×16AWG	4×16AWG
Power Cord	Size x Core number		3×14AWG	3×14AWG	3×14AWG	3×14AWG
Suitable area		sq.ft	Up to200	Up to 280	Up to200	Up to 280
Control type			remote	remote	remote	remote
Operation temperature		°F	61~88	61~88	61~88	61~88
Ambient temperature	Indoor(cooling/ heating)	°F	63~90/32~81	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor(cooling/heating)	°F	5~127/-4~75	5~127/-4~75	5~127/-4~75	5~127/-4~75

For proper wiring sizes always refer to local codes.

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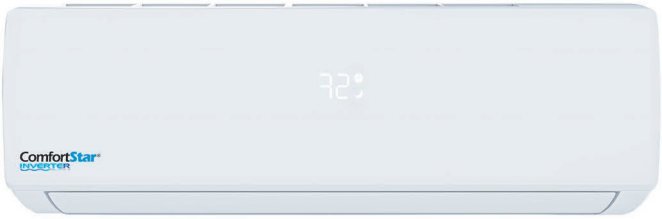


CH20 (I) Indoor Series

Light Commercial Indoor Heat Pump High Wall Mount

R32+ ECO FRIENDLY REFRIGERANT

INDOOR UNIT			CH20-18CD-32(I)	CH20-24CD-32(I)	CH20-36CD-32(I)
OUTDOOR UNIT			CH20-18CD-32(O)	CH20-24CD-32(O)	CH20-36CD-32(O)
Po wer supply			208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Rated Cooling (95°F/35°C)	Rated cooling capacity(95°F/35°C)	Btu/h	18000	24000	36000
	Cooling Capacity Range	Btu/h	5100~19000	5100~26000	7500~36000
	EER2 (95°F/35°C)	Btu/W.h	9.5	10.5	9.5
	SEER2	Btu/W.h	20	20	20
Rated Heating	Rated Heating capacity (47°F/8.3°C)	Btu/h	18000	24000	36000
	Rated Heating capacity(17°F/-8.3°C)	Btu/h	15000	18000	28400
	Range Heating capacity	Btu/h	5100~19000	5100~26000	7500~36000
	HSPF2 Rating (Region IV)	Btu/W.h	10	9.5	9.5
	HSPF2 Rating (Region V)	Btu/W.h	8.5	8.1	8.1
	COP (47°F/8.3°C)	W/W	3.2	2.8	3.1
	Max. Heating capacity (5°F/-15°C)	W/W	12000	16000	23000
	5°F Heating Ratio		67%	67%	64%
	COP (5°F/-15°C)	W/W	1.8	1.8	1.8
	Max. Heating capacity (-4°F/-20°C)	Btu/h	11000	13000	16800
	Max. Heating capacity (-13°F/-25°C)	Btu/h	/	/	/
Rated Input Consumption	Cooling	W	1820	2250	3700
	Heating	W	1650	2450	3470
Rated Current	Cooling	A	7.9	9.8	16.4
	Heating	A	7.2	10.7	15.4
Min. Circuit Ampacity		A	13	20	22
Max. Fuse size		A	20	30	35
Moisture removal		Pint/h	4.6	5.5	6.3
Max allowed Pressure		PSI	725	725	725
Indoor noise level at cooling	Turbo/High/Med./Low/Mute	dB(A)	49/46/40/34/32	51/49/43/37/34	54/51/45/39/37
Indoor air circulation-Turbo/Hi/Mid/Lo/Mute		CFM	524/453/365/288/259	647/575/517/423/382	847/705/588/470/412
Indoor unit	Net dimensions	Inch	35.83×8.11×11.57	39.76×8.66×12.4	46.89×10.16×14.17
	Net weight	Lbs.	21.38	26.50	38.60
	Packing dimensions	Inch	38.54×10.91×14.65	43.15×11.69×15.35	49.61×12.91×16.93
	Gross weight	Lbs.	27.56	33.73	48.50
Outdoor noise level		dB(A)	55	60	63
Outdoor unit	Net dimensions	Inch	33.54×13.74×23.7	36.1×14.76×27.56	38.5×16.57×31.61
	Net weight	Lbs.	66.80	88.20	106.9
	Packing dimensions(with pipe)	Inch	35.43×15.94×25.39	37.8×16.93×28.82	40.24×18.9×32.87
	Gross weight(with pipe)	Lbs.	77.82	101.41	121.30
Refrigerant		Type	R32	R32	R32
		oz	37.74	42.33	55.73
Additional refrigerant charge		oz/ft	0.11	0.11	0.11
Refrigerant piping	Gas side	Inch	3/8''	1/2"	5/8''
	Liquid side	Inch	1/4''	1/4''	1/4''
	Max. refrigerant pipe length	ft	65	65	98
	Max. difference in level	ft	49	49	65
Connecting Wiring	Size x Core number		4×16AWG	4×16AWG	4×16AWG
Power Cord	Size x Core number		3×14AWG	3×14AWG	3×12AWG
Suitable area		sq.ft	Up to 380	Up to 480	Up to 646
Control type			remote	remote	remote
Operation temperature		°F	61~88	61~88	61~88
Ambient temperature	Indoor(cooling/ heating)	°F	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor(cooling/heating)	°F	5~127/-4~75	5~127/-4~75	5~127/-4~75

For proper wiring sizes always refer to local codes.

eco smart series™

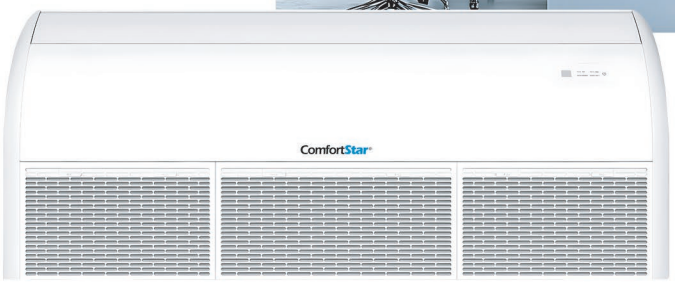
TPA32(I) Series

Light Commercial Indoor Heat Pump 4-Way Cassette

INDOOR UNIT			TPA32-09CD(I)	TPA32-12CD(I)	TPA32-18CD(I)	TPA32-24CD(I)
OUTDOOR UNIT			CH20-09CD-32(O)	CH20-12CD-32(O)	CH20-18CD-32(O)	CH20-24CD-32(O)
Power Supply	Volts;Hz;Phase	V.Hz.Ph	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
	Voltage Range	V	187~253	187~253	187~253	187~253
Cooling	Capacity	Btu/h	9000	12000	18000	24000
	Input	W	720	1200	1840	2250
	Current	A	4.8	5.3	8.4	9.4
	SEER2	Btu/h/W	23	21	19	18
	EER2	Btu/h/W	12.5	10.5	9	11
Heating	Heating Capacity	Btu/h	9000	12000	18000	24000
	Heating Input	W	720	1100	1750	1990
	Heating Current	A	4.8	4.5	7.9	8.8
	HSPF2-4	Btu/h/W	9.5	9.5	9	9.5
	HSPF2-5	Btu/h/W	8.5	8.5	7.5	8.5
	COP	Btu/h/W	13.31	11.94	10.24	10.24
Indoor Minim. Circuit Ampacity		A	0.75	0.75	0.75	0.75
Indoor Max. Fuse		A	15	15	15	15
Outdoor Minim. Circuit Ampacity		A	10	11	13	20
Outdoor Max. Fuse		A	15	15	20	30
Indoor Air Flow (Turbo/Hi/M/Lo/S)		CFM	329/300/270/217/194	360/320/260/200/190	441/394/335/282/253	836/765/630/530/482
Indoor Noise Level (Turbo/Hi/M/Lo/S)		dB(A)	43/41/37/33/32	45/43/39/35/32	48/46/42/39/37	51/48/44/40/37
Indoor Unit (WxDxH)	Unit Dimension	inch	22.44×22.44×9.65	22.44×22.44×9.65	22.44×22.44×9.65	33.07×33.07×9.65
	Panel	inch	25.59×25.59×2.36	25.59×25.59×2.36	25.59×25.59×2.36	37.4×37.4×2.87
	Unit Package Dimension	inch	28.27×25.87×11.85	28.27×25.87×11.85	28.27×25.87×11.85	36.22×36.22×10.63
	Panel Package Dimension	inch	28.94×28.94×4.33	28.94×28.94×4.33	28.94×28.94×4.33	41.54×41.54×3.54
	Net/Gross Weight	lb.	31.9/38.6	31.9/38.6	31.9/38.6	51.81/59.5
Outdoor Air Flow (CFM)		CFM	1120	1530	1600	2400
Outdoor Noise Level (Hi)		dB(A)	53	55	55	60
Outdoor Unit (WxDxH)	Unit Dimension	inch	30.98×11.42×19.61	31.5×12.01×21.69	33.54×13.74×23.7	36.1×14.76×27.56
	Package Dimension	inch	32.99×13.31×21.26	33.54×14.09×23.62	35.43×15.94×25.39	37.8×16.93×28.82
	Net/Gross Weight	lb.	50.71/60.63	51.82/61.73	66.80/77.82	88.20/101.41
Refrigerant	Type/Charge	oz	R32/21.16	R32/20.46	R32/37.74	R32/42.33
	Additional Charge per ft	oz/ft	0.11	0.11	0.11	0.11
	N.A. Design Pressure	PSI	710	710	710	710
Refrigerant Piping	Liquid/Gas Side	inch	(1/4'') / (3/8'')	(1/4'') / (3/8'')	(1/4'') / (3/8'')	(1/4'') / (1/2")
	Max. Piping Length	ft	50	50	65	65
	Max. Height Diff.	ft	33	33	49	49
Connecting Wiring			4×16AWG	4×16AWG	4×16AWG	4×16AWG
Operating Temp. Range	Indoor (Cool/Heat)	°F	63~90/32~81	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor (Cool/Heat)	°F	5~127/-4~75	5~127/-4~75	5~127/-4~75	5~127/-4~75

For proper wiring sizes always refer to local codes.

eco smart series™



FPA32 (I) Series

Light Commercial Indoor Heat Pump Floor/Ceiling

R32+ ECO FRIENDLY REFRIGERANT

INDOOR UNIT			FPA32-18CD(I)	FPA32-24CD(I)
OUTDOOR UNIT			CH20-18CD-32(O)	CH20-24CD-32(O)
Power Supply	Volts;Hz;Phase	V.Hz.Ph	208/230V~/60Hz/1P	208/230V~/60Hz/1P
	Voltage Range	V	187~253	187~253
Cooling	Capacity	Btu/h	18000	24000
	Input	W	1840	2040
	Current	A	8.4	9.1
	SEER2	Btu/h/W	20	20
	EER2	Btu/h/W	9.5	11
Heating	Heating Capacity	Btu/h	18000	24000
	Heating Input	W	1600	2195
	Heating Current	A	7.8	9.8
	HSPF2-4	Btu/h/W	9.5	9.5
	HSPF2-5	Btu/h/W	8	8.5
	COP	Btu/h/W	10.24	10.24
Indoor Minim. Circuit Ampacity		A	0.75	0.75
Indoor Max. Fuse		A	15	15
Outdoor Minim. Circuit Ampacity		A	13	20
Outdoor Max. Fuse		A	20	30
Indoor Air Flow (Turbo/Hi/M/Lo/S)		CFM	588/512/453/353/265	647/588/517/470/412
Indoor Noise Level (Turbo/Hi/M/Lo/S)		dB(A)	50/46/44/40/36	53/52/48/44/40
Indoor Unit (WxDxH)	Unit Dimension	inch	41.54×26.57×9.25	41.54×26.57×9.25
	Package Dimension	inch	44.68×30.12×11.02	44.68×30.12×11.02
	Net/Gross Weight	lb.	52.9/68.3	55.1/70.5
Outdoor Air Flow (CFM)		CFM	1600	2400
Outdoor Noise Level (Hi)		dB(A)	55	60
Outdoor Unit (WxDxH)	Unit Dimension	inch	33.54×13.74×23.7	36.1×14.76×27.56
	Package Dimension	inch	35.43×15.94×25.39	37.8×16.93×28.82
	Net/Gross Weight	lb.	66.80/77.82	88.18/101.41
Refrigerant	Type/Charge	oz	R32/37.74	R32/42.33
	Additional Charge per ft	oz/ft	0.11	0.11
	N.A. Design Pressure	PSI	710	710
Refrigerant Piping	Liquid/Gas Side	inch	(1/4'') / (3/8'')	(1/4'') / (1/2")
	Max. Piping Length	ft	65	65
	Max. Height Diff.	ft	49	49
Connecting Wiring			4×16AWG	4×16AWG
Operating Temp. Range	Indoor (Cool/Heat)	°F	63~90/32~81	63~90/32~81
	Outdoor (Cool/Heat)	°F	5~127/-4~75	5~127/-4~75

For proper wiring sizes always refer to local codes.

eco smart series™

CPA32(I) Series

Light Commercial Indoor Heat Pump Fan Coil

R32+ ECO FRIENDLY REFRIGERANT

INDOOR UNIT			CPA32-09CD(I)	CPA32-12CD(I)	CPA32-18CD(I)	CPA32-24CD(I)
OUTDOOR UNIT			CH20-09CD-32(O)	CH20-12CD-32(O)	CH20-18CD-32(O)	CH20-24CD-32(O)
Power Supply	Volts;Hz;Phase	V.Hz.Ph	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
	Voltage Range	V	187~253	187~253	187~253	187~253
Cooling	Capacity	Btu/h	9000	12000	18000	24000
	Input	W	740	1200	1850	2465
	Current	A	5.1	5.4	8.7	10.9
	SEER2	Btu/h/W	20	20	18	18
	EER2	Btu/h/W	12	10.5	9	9
Heating	Heating Capacity	Btu/h	9000	12000	18000	24000
	Heating Input	W	870	11000	1950	2200
	Heating Current	A	4	4.9	9.4	9.86
	HSPF2-4	Btu/h/W	9.5	9.5	9	9.5
	HSPF2-5	Btu/h/W	8.2	8.5	7.8	8.5
	COP	Btu/h/W	11.94	11.26	8.87	10.24
Indoor Minim. Circuit Ampacity		A	0.75	0.75	0.75	0.75
Indoor Max. Fuse		A	15	15	15	15
Outdoor Minim. Circuit Ampacity		A	10	11	13	20
Outdoor Max. Fuse		A	15	15	20	30
Indoor Air Flow (Turbo/Hi/M/Lo/S)		CFM	335/305/276/182/182	360/330/270/217/194	500/426/370/300/283	741/623/558/529/470
Indoor Noise Level (Turbo/Hi/M/Lo/S)		dB(A)	42/39/34/28/28	44/41/35/33/32	48/44/41/36/33	51/49/46/39/34
Indoor Unit (WxDxH)	Unit Dimension	inch	27.56×19.29×7.87	27.56×19.29×7.87	35.43×19.29×7.87	43.31×19.29×7.87
	Package Dimension	inch	35.43 x 21.85 x 9.84	35.43 x 21.85 x 9.84	44.09 x 21.85 x 9.84	50.79 x 22.24 x 9.65
	Net/Gross Weight	lb.	33.1/39.7	33.1/39.7	39.7/47.4	50.7/58.4
Outdoor Air Flow (CFM)		CFM	1120	1530	1600	2400
Outdoor Noise Level (Hi)		dB(A)	53	55	55	60
Outdoor Unit (WxDxH)	Unit Dimension	inch	30.98×11.42×19.61	31.5×12.01×21.69	33.54×13.74×23.7	36.1×14.76×27.56
	Package Dimension	inch	32.99×13.31×21.26	33.54×14.09×23.62	35.43×15.94×25.39	37.8×16.93×28.82
	Net/Gross Weight	lb.	50.71/60.63	51.82/61.7	66.80/77.82	88.18/101.4
Refrigerant	Type/Charge	oz	R32/21.16	R32/20.49	R32/37.74	R32/42.33
	Additional Charge per ft	oz/ft	0.11	0.11	0.11	0.11
	N.A. Design Pressure	PSI	710	710	710	710
Refrigerant Piping	Liquid/Gas Side	inch	(1/4'') / (3/8'')	(1/4'') / (3/8'')	(1/4'') / (3/8'')	(1/4'') / (1/2")
	Max. Piping Length	ft	50	50	65	65
	Max. Height Diff.	ft	33	33	49	49
Connecting Wiring			4×16AWG	4×16AWG	4×16AWG	4×16AWG
Operating Temp. Range	Indoor (Cool/Heat)	°F	63~90/32~81	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor (Cool/Heat)	°F	5~127/-4~75	5~127/-4~75	5~127/-4~75	5~127/-4~75

For proper wiring sizes always refer to local codes.

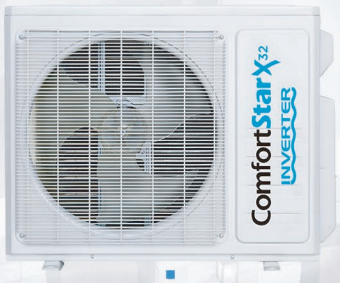
ENERGY STAR AHRI CERTIFIED www.ahridirectory.org ETL LISTED

eco smart series™

FLEX-MOUNT MULTI-ZONE

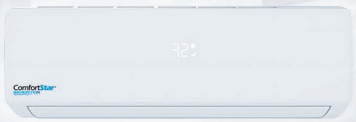
-13°F LOW OUTDOOR AMBIENT OPERATING TEMPERATURE FOR HEATING AND COOLING.
ALL IN-DOOR UNITS WI-FI COMPATIBLE.

UP TO 25 SEER2 HIGH EFFICIENCY
LOW AMBIENT -13°F



R32+ ECO FRIENDLY REFRIGERANT

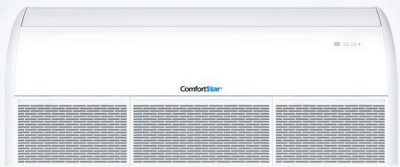
C32-MZ



CH20-32

CPA32

TPA32



FPA32

MIX AND MATCH EVAPORATOR UNITS DEPENDING ON CAPACITY.
Individual zoning for up to 5 zones.

5 YEAR WARANTY COMPRESSOR

3 YEAR WARANTY PARTS

Warranty Registration required except in California and Quebec, Canada.

eco smart series™

FLEX-MOUNT MULTI-ZONE · SELECTION CHART

Outdoor Unit	CH20-32	Cassette	Ducted	Floor & Ceilling
C32-MZ-2	CH20-09CD-32(I)	TPA32-09CD(I)	CPA32-09CD(I)	/
	CH20-12CD-32(I)	TPA32-12CD(I)	CPA32-12CD(I)	
C32-MZ-3	CH20-09CD-32(I)	TPA32-09CD(I)	CPA32-09CD(I)	FPA32-18CD(I)
	CH20-12CD-32(I)	TPA32-12CD(I)	CPA32-12CD(I)	
	CH20-18CD-32(I)	TPA32-18CD(I)	CPA32-18CD(I)	
C32-MZ-4	CH20-09CD-32(I)	TPA32-09CD(I)	CPA32-09CD(I)	FPA32-18CD(I)
	CH20-12CD-32(I)	TPA32-12CD(I)	CPA32-12CD(I)	
	CH20-18CD-32(I)	TPA32-18CD(I)	CPA32-18CD(I)	FPA32-24CD(I)
	CH20-24CD-32(I)	TPA32-24CD(I)	CPA32-24CD(I)	
C32-MZ-5	CH20-09CD-32(I)	TPA32-09CD(I)	CPA32-09CD(I)	FPA32-18CD(I)
	CH20-12CD-32(I)	TPA32-12CD(I)	CPA32-12CD(I)	
	CH20-18CD-32(I)	TPA32-18CD(I)	CPA32-18CD(I)	FPA32-24CD(I)
	CH20-24CD-32(I)	TPA32-24CD(I)	CPA32-24CD(I)	

TABLE OF EFFICIENCY · REGULAR MODELS

Outdoor unit Model #	Non Ducted/Ducted	SEER2	EER2	HSPF2-4	HSPF2-5
C32-MZ-2	Non Ducted	25	11.7	10	8.5
	Ducted	22	11.7	9.5	8
	Mix	23	11.2	9.5	8
C32-MZ-3	Non Ducted	22	11.2	10	8.5
	Ducted	19	11	10	9
	Mix	20	11	9.5	8
C32-MZ-4	Non Ducted	23	11.2	10	8
	Ducted	19	11	9	7.5
	Mix	20	11	9.5	8
C32-MZ-5	Non Ducted	24	11.2	10	8.5
	Ducted	20	11	10	8
	Mix	20	11	9.5	8

eco smart series™

FLEX-MOUNT MULTI-ZONE

MORE THAN 20+ COMBINTIONS AVAILABLE

Connect up to 5 Zones with four different indoor units to choose from!

INDIVIDUAL ZONING FOR UP TO 5 ZONES.

- Low Ambient (-13°F)
- Wi-Fi optional
- Bypass Mode
- Interactive display
- Self-Diagnosis

- 20+ Possible Combinations
- Connect up to 5 zones
- Individual Zone Control
- High Efficiency Inverter Technology
- Mix & Match 4 Different Style Indoor Units

Available Indoor Units:

- High Wall Mount
- Cassette
- Floor/Ceiling
- Fan Coil

CR32-RC
Standard Remote
Included

2 TWO-ZONE C32-MZ-2
Mix & Match
9,000-18,000 BTUh

3 TRI-ZONE C32-MZ-3
Mix & Match
9,000-27,000 BTUh

4 QUAD-ZONE C32-MZ-4
Mix & Match
9,000-36,000 BTUh

5 FIVE-ZONE C32-MZ-5
Mix & Match
9,000-42,000 BTUh

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18,000 BTU DUAL ZONE CONDENSER COMBINATIONS:

Two Units
9+9
9+12
12+12

27,000 BTU TRI ZONE CONDENSER COMBINATIONS:

Two Units		Three Units	
9+9	12+12	9+9+9	9+12+12
9+12	12+18	9+9+12	12+12+12
9+18	18+18	9+9+18	

36,000 BTU QUAD ZONE CONDENSER COMBINATIONS:

Two Units		Three Units		Four Units	
9+18	12+24	9+9+9	9+12+24	9+9+9+9	9+9+12+18
9+24	18+18	9+9+12	9+18+18	9+9+9+12	9+12+12+12
12+12	18+24	9+9+18	12+12+12	9+9+9+18	12+12+12+12
12+18	24+24	9+9+24	12+12+18	9+9+12+12	
		9+12+12	12+12+24		
		9+12+18	12+18+18		

42,000 BTU FIVE ZONE CONDENSER COMBINATIONS:

Two Units		Three Units		Four Units		Five Units	
9+24	18+18	9+9+18	12+12+12	9+9+9+9	9+12+12+12	9+9+9+9+9	9+9+9+12+24
12+24	18+24	9+9+24	12+12+18	9+9+9+12	9+12+12+18	9+9+9+9+12	9+9+12+12+12
	24+24	9+12+12	12+12+24	9+9+9+18	9+12+12+24	9+9+9+9+18	9+9+12+12+18
		9+12+18	12+18+18	9+9+9+24	9+12+18+18	9+9+9+9+24	9+12+12+12+12
		9+12+24	12+18+24	9+9+12+12	12+12+12+12	9+9+9+12+12	12+12+12+12+12
		9+18+18	12+24+24	9+9+12+18	12+12+12+18	9+9+9+12+18	
		9+18+24	18+18+18	9+9+12+24	12+12+12+24		
		9+24+24	18+18+24	9+9+18+18	12+12+18+18		
				9+9+18+24			

eco smart series™

C32-MZ Series

Flex-Mount Non-Ducted - Outdoor Heat Pump 18,000 - 42,000 BTUh

r32+ ECO FRIENDLY REFRIGERANT

Capacity			18K	27K	36K	42K
INDOOR UNIT			Non-duct(9K*2)	Non-duct(12K*2+9K)	Non-duct(9K*4)	Non-duct(9K*5)
OUTDOOR UNIT			C32-MZ-2	C32-MZ-3	C32-MZ-4	C32-MZ-5
Power supply			208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Cooling	Rated cooling capacity (95°F/35°C)	Btu/h	18000	28000	38000	42000
	Cooling Capacity Range	Btu/h	2000~22000	3000~30500	4000~41000	4000~43000
	EER2 (95°F/35°C)	Btu/W.h	11.7	11.2	11.2	11.2
	SEER2	Btu/W.h	25	22	23	24
Heating	Rated Heating capacity(47°F/8.3°C)	Btu/h	18000	28000	42000	42000
	Rated Heating capacity(17°F/-8.3°C)	Btu/h	14000	23000	34000	34000
	Range Heating capacity	Btu/h	2000~20500	3000~29500	4000~43000	4000~46000
	HSPF2 Rating (Region IV)	Btu/W.h	10	10	10	10
	HSPF2 Rating (Region V)	Btu/W.h	8.0	8.0	8.0	8.0
	COP (47°F/8.3°C)	W/W	3.5	4.5	3.1	3.3
	Max. Heating capacity (5°F/-15°C)	Btu/h	14000	21000	31000	31000
	5°F Heating Ratio		78%	75%	74%	74%
	COP 5°F/-15°C	W/W	2	2	2	2
	Max. Heating capacity (-4°F/-20°C)	Btu/h	9400	15000	22000	30200
	Max. Heating capacity (-13°F/-25°C)	Btu/h	8000	12500	19000	25300
Rated Input Consumption (Non-Ducted)	Cooling	W	1540	2500	3400	3760
	Heating	W	1320	2100	3600	3330
Rated Current (Non-Ducted)	Cooling	A	6.7	10.9	14.8	16.3
	Heating	A	5.7	9.1	15.7	14.5
Min. Circuit Ampacity		A	14	16	24	27
Max. Fuse size		A	20	25	35	45
Max allowed pressure		PSI	725	725	725	725
Outdoor noise level		dB(A)	56	61	67	67
Outdoor unit	Net dimensions (W x D x H)	inch	33.54×13.74×23.70	35.94×14.76×27.52	42.64×19.45×33.78	42.64×19.45×33.78
	Net weight	lbs.	72.8	97.0	151.0	154.3
	Outdoor Packing dimensions (W x D x H)	inch	35.04×15.16×24.72	37.4×16.54×28.82	44.68×20.87×38.19	44.68×20.87×38.19
	Gross weight (without pipe)	lbs.	78.3	103.6	177	180.3
Refrigerant		Type	R32	R32	R32	R32
		oz.	42.3	60.0	84.7	84.7
Valve Size	Gas	inch	3/8	3/8	3/8	3/8
	Liquid	inch	1/4	1/4	1/4	1/4
Additional Charge	Φ6.35 (1/4") liquid pipe	oz/ft	0.11	0.11	0.11	0.11
Connection Wiring		AWG	16AWG*4 Stranded, unshielded, TC-ER Type	16AWG*4 Stranded, unshielded, TC-ER Type	16AWG*4 Stranded, unshielded, TC-ER Type	16AWG*4 Stranded, unshielded, TC-ER Type
Throttling mode Capillary/EEV.			EEV	EEV	EEV	EEV
Pre-Charge Length Total		ft	49	74	98	123
Lineset Length (Max) - Total		ft	131	197	262	328
Lineset Length (Max) - Each		ft	82	98	98	98
Max. Line Set Height Difference Btwn. ODU & Furthest IDU		ft	49	49	49	49
Max. Line Set Height Difference Btwn. IDU		ft	33	33	33	33
Room temperature	Indoor(cooling/ heating)	°F	63~90/32~81	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor(cooling/heating)	°F	5~131/-13~75	5~131/-13~75	5~131/-13~75	5~131/-13~75
Ambient temperature	Indoor(cooling/ heating)	°F	63~90/32~81	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor(cooling/heating)	°F	5~131/-13~75	5~131/-13~75	5~131/-13~75	5~131/-13~75

For proper wiring sizes always refer to local codes.

eco smart series™

C32-MZ Series

Flex-Mount Ducted - Outdoor Heat Pump 18,000 - 42,000 BTUh

Capacity			18K	27K	36K	42K
INDOOR UNIT			Ducted(9K*2)	Ducted(12K*2+9K)	Ducted(9K*4)	Ducted(9K*5)
OUTDOOR UNIT			C32-MZ-2	C32-MZ-3	C32-MZ-4	C32-MZ-5
Power supply			208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Cooling	Rated cooling capacity (95°F/35°C)	Btu/h	18000	24000	36000	39000
	Cooling Capacity Range	Btu/h	2000~21000	3000~30500	4000~41000	4000~43000
	EER2 (95°F/35°C)	Btu/W.h	11.7	11	11	11
	SEER2	Btu/W.h	22	19	19	20
Heating	Rated Heating capacity(47°F/8.3°C)	Btu/h	18000	27000	40000	42000
	Rated Heating capacity(17°F/-8.3°C)	Btu/h	14000	22000	33000	34500
	Range Heating capacity	Btu/h	2000~20000	3000~29500	4000~43000	4000~46000
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	10	9	10
	HSPF2 Rating (Region V)	Btu/W.h	8	9	7.5	8
	COP (47°F/8.3°C)	W/W	3.8	3.6	2.9	3.5
	Max. Heating capacity (5°F/-15°C)	Btu/h	12600	19000	28400	29800
	5°F Heating Ratio		70%	70%	71%	71%
	COP 5°F/-15°C	W/W	1.9	2	1.8	2
	Max. Heating capacity (-4°F/-20°C)	Btu/h	/	/	/	/
	Max. Heating capacity (-13°F/-25°C)	Btu/h	/	/	/	/
Min. Circuit Ampacity		A	14	16	24	27
Max. Fuse size		A	20	25	35	45
Max allowed pressure		PSI	725	725	725	725
Outdoor noise level		dB(A)	56	61	67	67
Outdoor Unit	Net dimensions (W x D x H)	inch	33.54×13.74×23.70	35.94×14.76×27.52	42.64×19.45×33.78	42.64×19.45×33.78
	Net weight	lbs.	72.8	97.0	151.0	154.3
	Outdoor Packing dimensions (W x D x H)	inch	35.04×15.16×24.72	37.4×16.54×28.82	44.68×20.87×38.19	44.68×20.87×38.19
	Gross weight (without pipe)	lbs.	78.3	103.6	177.0	180.3
Refrigerant		Type	R32	R32	R32	R32
		oz.	42.3	60.0	84.7	84.7
Valve Size	Gas	inch	3/8	3/8	3/8	3/8
	Liquid	inch	1/4	1/4	1/4	1/4
Additional Charge	Φ6.35 (1/4") liquid pipe	oz/ft	0.11	0.11	0.11	0.11
Connection Wiring		AWG	16AWG*4 Stranded, unshielded, TC-ER Type	16AWG*4 Stranded, unshielded, TC-ER Type	16AWG*4 Stranded, unshielded, TC-ER Type	16AWG*4 Stranded, unshielded, TC-ER Type
Throttling mode Capillary/EEV.			EEV	EEV	EEV	EEV
Pre-Charge Length Total		ft	49	74	98	123
Lineset Length (Max) - Total		ft	131	197	262	328
Lineset Length (Max) - Each		ft	82	98	98	98
Max. Line Set Height Difference Btwn. ODU & Furthest IDU		ft	49	49	49	49
Max. Line Set Height Difference Btwn. IDU		ft	33	33	33	33
Room temperature	Indoor(cooling/ heating)	°F	63~90/32~81	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor(cooling/heating)	°F	5~131/-13~75	5~131/-13~75	5~131/-13~75	5~131/-13~75
Ambient temperature	Indoor(cooling/ heating)	°F	63~90/32~81	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor(cooling/heating)	°F	5~131/-13~75	5~131/-13~75	5~131/-13~75	5~131/-13~75

For proper wiring sizes always refer to local codes.

eco smart series™

CH20-32 (I) Indoor Series

Flex-Mount Indoor High Wall
Heat Pump 9,000 - 24,000 BTUh

INDOOR UNIT			CH20-09CD-32(I)	CH20-12CD-32(I)	CH20-18CD-32(I)	CH20-24CD-32(I)
Control type			Remote	Remote	Remote	Remote
Power supply			208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Cooling	Rated cooling capacity(95°F/35°C)	Btu/h	9000	12000	18000	24000
	Rated current	A	0.2	0.2	0.34	0.34
	Rated input	W	35	35	52	52
Heating	Rated Heating capacity (47°F/8.3°C)	Btu/h	9000	12000	18000	24000
	Rated current	A	0.2	0.2	0.34	0.34
	Rated input	W	35	35	52	52
Min. Circuit Ampacity		A	0.6	0.6	0.65	0.9
Max. Fuse size		A	15	15	15	15
Moisture removal		Pint/h	2.32	3.38	4.65	5.49
Indoor noise level at cooling	Turbo/High/Med./Low/Mute	dB(A)	42/39/34/30/28	45/42/35/30/28	49/46/40/34/32	51/49/43/37/34
Indoor air circulation	Turbo/High/Med./Low/Mute	CFM	335/312/282/265/241	342/270/235/200/152	617/575/511/411/382	647/575/517/423/382
Indoor unit	Net dimensions (W x H x D)	Inch	31.93×7.99×11.5	31.93×7.99×11.5	35.83×8.11×11.57	39.76×8.66×12.4
	Net weight	Lbs.	18.7	18.7	21.34	26.4
	Packing dimensions (W x H x D)	Inch	34.84×10.83×14.41	34.84×10.83×14.41	38.54×10.91×14.65	43.15×11.69×15.35
	Gross weight	Lbs.	24.3	24.3	27.5	33.7
Max allowed pressure		PSI	725	725	725	725
Connecting Pipe	Gas	inch	3/8"	3/8"	3/8"	1/2"
	Liquid	inch	1/4"	1/4"	1/4"	1/4"
Connecting Wiring	Size x Core number		4×16AWG	4×16AWG	4×16AWG	4×16AWG

TPA32(I)Series

Flex-Mount Indoor Cassette Type
Heat Pump 9,000 - 24,000 BTUh

Indoor Unit			TPA32-09CD(I)	TPA32-12CD(I)	TPA32-18CD(I)	TPA32-24CD(I)
Control type			Remote Control & Wired control	Remote Control & Wired control	Remote Control & Wired control	Remote Control & Wired control
Power supply			208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Cooling	Rated cooling capacity(95°F/35°C)	Btu/h	9000	12000	18000	24000
	Rated current	A	0.16	0.17	0.18	0.2
	Rated input	W	35	37	40	45
Heating	Rated Heating capacity (47°F/8.3°C)	Btu/h	9000	12000	18000	24000
	Rated current	A	0.16	0.17	0.18	0.2
	Rated input	W	35	37	40	45
Min. Circuit Ampacity		A	0.75	0.75	0.75	0.75
Max. Fuse size		A	15	15	15	15
Moisture removal		Pint/h	2.32	3.38	4.65	5.49
Indoor noise level at cooling	Turbo/High/Med./Low/Mute	dB(A)	43/41/37/33/32	45/43/39/35/32	48/46/42/39/37	51/48/44/40/37
Indoor air circulation	Turbo/High/Med./Low/Mute	CFM	194/177/159/128/114	212/188/153/118/112	260/232/197/166/149	492/450/371/312/284
Panel	Net dimensions (W x D x H)	Inch	22.44×22.44×10.24	22.44×22.44×10.24	22.44×22.44×10.24	32.99×32.99×10
	Net weight	Lbs.	31.9	31.9	31.9	51.8
	Packing dimensions (W x D x H)	Inch	28.27×25.87×11.85	28.27×25.87×11.85	28.27×25.87×11.85	36.81×36.81×11.42
	Gross weight	Lbs.	38.6	35.6	38.6	59.5
Indoor unit	Net dimensions (W x D x H)	Inch	25.59×25.59×1.18	25.59×25.59×1.18	25.59×25.59×1.18	37.4×37.4×1.3
	Net weight	Lbs.	6.0	6.0	6.0	13.2
	Packing dimensions (W x D x H)	Inch	28.94×28.94×4.33	28.94×28.94×4.33	28.94×28.94×4.33	41.54×41.54×3.54
	Gross weight	Lbs.	9.5	9.5	9.5	19.8
Max allowed pressure		PSI	725	725	725	725
Connecting Pipe	Gas	inch	3/8"	3/8"	1/2"	5/8"
	Liquid	inch	1/4"	1/4"	1/4"	1/4"
Connecting Wiring	Size x Core number		4×16AWG	4×16AWG	4×16AWG	4×16AWG

For proper wiring sizes always refer to local codes.

eco smart series™

FPA32 (I) Indoor Series

Flex-Mount Indoor Floor/Ceiling Heat Pump 18,000 - 24,000 BTUh

INDOOR UNIT				FPA32-18CD(I)	FPA32-24CD(I)
Control type				Remote Control & Wired control	Remote Control & Wired control
Power supply				208/230V~/60Hz/1P	208/230V~/60Hz/1P
Cooling	Rated cooling capacity(95°F/35°C)		Btu/h	18000	24000
	Rated current		A	0.18	0.2
	Rated input		W	40	45
Heating	Rated Heating capacity (47°F/8.3°C)		Btu/h	18000	24000
	Rated current		A	0.18	0.2
	Rated input		W	40	45
Min. Circuit Ampacity			A	0.75	0.75
Max. Fuse size			A	15	15
Moisture removal			Pint/h	4.02	8.03
Indoor noise level at cooling	Turbo/High/Med./Low/Mute		dB(A)	50/46/44/40/36	53/52/48/44/40
Indoor air circulation	Turbo/High/Med./Low/Mute		CFM	588/512/453/353/265	647/588/517/470/412
Indoor unit	Net dimensions (W x D x H)		Inch	41.54×26.57×9.25	41.54×26.57×9.25
	Net weight		Lbs.	52.9	55.1
	Packing dimensions (W x D x H)		Inch	44.68×30.12×11.02	44.68×30.12×11.02
	Gross weight		Lbs.	68.3	70.5
Max allowed pressure			PSI	725	725
Connecting Pipe	Gas		inch	1/2"	5/8''
	Liquid		inch	1/4''	1/4''
Connecting Wiring	Size x Core number			4×16AWG	4×16AWG

CPA32 (I) Series

Flex-Mount Indoor Fan Coil Heat Pump 9,000 - 24,000 BTUh

INDOOR UNIT				CPA32-09CD(I)	CPA32-12CD(I)	CPA32-18CD(I)	CPA32-24CD(I)
Control type				Remote Control & Wired control	Remote Control & Wired control	Remote Control & Wired control	Remote Control & Wired control
Power supply				208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Cooling	Rated cooling capacity(95°F/35°C)		Btu/h	9000	12000	18000	24000
	Rated current		A	0.16	0.16	0.21	0.25
	Rated input		W	35	35	48	55
Heating	Rated Heating capacity (47°F/8.3°C)		Btu/h	9000	12000	18000	24000
	Rated current		A	0.16	0.16	0.21	0.25
	Rated input		W	35	35	48	55
Min. Circuit Ampacity			A	0.75	0.75	0.75	0.75
Max. Fuse size			A	15	15	15	15
Moisture removal			Pint/h	2.32	3.38	4.65	5.49
Indoor noise level at cooling	Turbo/High/Med./Low/Mute		dB(A)	42/39/34/28/28	44/41/35/33/32	48/44/41/36/33	51/49/46/39/34
Indoor air circulation	Turbo/High/Med./Low/Mute		CFM	335/305/276/182/182	360/330/270/217/180	500/426/370/300/283	741/623/558/529/470
External Static Pressure (Up to)			In W.c.	up to 0.4	up to 0.4	up to 0.4	up to 0.48
			Pa	up to 100	up to 100	up to 100	up to 120
Indoor unit	Net dimensions (W x H x D)		Inch	27.56×19.29×7.87	27.56×19.29×7.87	35.43×19.29×7.87	43.31×19.29×7.87
	Net weight		Lbs.	33.1	33.1	39.7	50.7
	Packing dimensions (W x H x D)			35.43×21.85×9.84	35.43×21.85×9.84	44.09×21.85×9.84	50.79×22.24×9.65
	Gross weight		Inch	39.7	39.7	47.4	58.4
Max allowed pressure			Lbs.	725	725	725	725
Connecting Pipe	Gas		PSI	3/8''	3/8''	1/2"	5/8''
	Liquid		inch	1/4''	1/4''	1/4''	1/4''
Connecting Wiring	Size x Core number		inch	4×16AWG	4×16AWG	4×16AWG	4×16AWG

eco smart series™

CONTROLS

Part No. CR32-RC | Wireless Remote Control

Standard Remote Control Include.
Ducted is optional

FEATURES:

- Temperature Display (°C/°F) & Timer Display
- LCD Display
- Sleep Mode
- Anti-Mildew Function
- I SET Function
- I FEEL Function
- Self-Clean Function
- Mute Mode
- Turbo Mode
- Auto Swing
- 46.4°F Heating Mode
- Child Lock

Part No. CWC32-EP
Wired 7-day Programmable Control

Remote Control Compatible. Convenient and compatible. Standard Wi-Fi Control Included for Indoor Unit Cassettes, Fan Coils and Floor/Ceiling Units.

FEATURES:

- Display
- Malfunction Code Display (for easy service and troubleshooting)
- 4-Way Wiring Layout Design (flat rear panel for easier wiring and installation)
- Room Temperature Display
- Weekly Timer
- I FEEL Function
- Temperature (°C/°F) & Timer Display
- Child Lock

Remote#	Remote Control CR32-RC	Wired Control CWC32-EP	WI-FI Module CWF32-D	WI-FI Module CWF32-ND
Indoor Unit				
CH20-32	S	/	/	0
TPA32	S	S	0	/
CPA32	S	S	0	/
FPA32	S	S	0	/

SPECS AT A GALANCE

TPA32(I) Series Flex-Mount Indoor Heat pump Cassette Type

Indoor unit Model No.	Outdoor unit Model No.	Minimum Circuit Ampacity	Min. Inter-Connecting Wire Size (AWG)	Breaker Size (A)	Piping Sizes (in)	Max. Allowable Piping Length (ft)	Min. Allowable Piping Length (ft)	Max. Height Difference of IDU and ODU (ft)
TPA32-09CD(I)	CH20-09CD-32(O)	10	16AWG*4 Stranded, unshielded TC-ER Type	15	3/8",1/4"	50	9.8	33
TPA32-12CD(I)	CH20-12CD-32(O)	11	16AWG*4 Stranded, unshielded TC-ER Type	15	3/8",1/4"	50	9.8	33
TPA32-18CD(I)	CH20-18CD-32(O)	13	16AWG*4 Stranded, unshielded TC-ER Type	20	3/8",1/4"	65	9.8	49
TPA32-24CD(I)	CH20-24CD-32(O)	20	16AWG*4 Stranded, unshielded TC-ER Type	30	1/2",1/4"	65	9.8	49

FPA32 (I) Series Light Commercial Indoor Heat Pump Floor/Ceiling

Indoor unit Model No.	Outdoor unit Model No.	Minimum Circuit Ampacity	Min. Inter-Connecting Wire Size (AWG)	Breaker Size (A)	Piping Sizes (in)	Max. Allowable Piping Length (ft)	Min. Allowable Piping Length (ft)	Max. Height Difference of IDU and ODU (ft)
FPA32-18CD(I)	CH20-18CD-32(O)	13	16AWG*4 Stranded, unshielded TC-ER Type	20	3/8",1/4"	65	9.8	49
FPA32-24CD(I)	CH20-24CD-32(O)	20	16AWG*4 Stranded, unshielded TC-ER Type	30	1/2",1/4"	65	9.8	49

CPA32(I) Series Light Commercial Indoor Heat Pump Fan Coil

Indoor unit Model No.	Outdoor unit Model No.	Minimum Circuit Ampacity	Min. Inter-Connecting Wire Size (AWG)	Breaker Size (A)	Piping Sizes (in)	Max. Allowable Piping Length (ft)	Min. Allowable Piping Length (ft)	Max. Height Difference of IDU and ODU (ft)
CPA32-09CD(I)	CH20-09CD-32(O)	10	16AWG*4 Stranded, unshielded TC-ER Type	15	3/8",1/4"	50	9.8	33
CPA32-12CD(I)	CH20-12CD-32(O)	11	16AWG*4 Stranded, unshielded TC-ER Type	15	3/8",1/4"	50	9.8	33
CPA32-18CD(I)	CH20-18CD-32(O)	13	16AWG*4 Stranded, unshielded TC-ER Type	20	3/8",1/4"	65	9.8	49
CPA32-24CD(I)	CH20-24CD-32(O)	20	16AWG*4 Stranded, unshielded TC-ER Type	30	1/2",1/4"	65	9.8	49

TPA32(I) Series Flex-Mount Indoor Heat Pump Cassette Type

Indoor Unit Model No.	Outdoor Unit Model No.	Factory Refrigerant Charge (ft)	Refrigerant Adjustment Factor (oz. per ft)	Drain Pipe Size(in)	SEER2 (non ducted)	EER2 (non ducted)	HSPF2-4 (non ducted)	HSPF2-5 (non ducted)
TPA32-09CD(I)	CH20-09CD-32(O)	25	0.11	5/8"	23	12.5	9.5	8.5
TPA32-12CD(I)	CH20-12CD-32(O)	25	0.11	5/8"	21	10.5	9.5	8.5
TPA32-18CD(I)	CH20-18CD-32(O)	25	0.11	5/8"	19	9.0	9	7.5
TPA32-24CD(I)	CH20-24CD-32(O)	25	0.11	5/8"	18	11.0	9.5	8.5

FPA32 (I) Series Light Commercial Indoor Heat Pump Floor/Ceiling

Indoor Unit Model No.	Outdoor Unit Model No.	Factory Refrigerant Charge (ft)	Refrigerant Adjustment Factor (oz. per ft)	Drain Pipe Size(in)	SEER2 (non ducted)	EER2 (non ducted)	HSPF2-4 (non ducted)	HSPF2-5 (non ducted)
FPA32-18CD(I)	CH20-18CD-32(O)	25	0.11	5/8"	20	9.5	9.5	8.0
FPA32-24CD(I)	CH20-24CD-32(O)	25	0.11	5/8"	20	11.0	9.5	8.5

CPA32(I) Series Light Commercial Indoor Heat Pump Fan Coil

Indoor Unit Model No.	Outdoor Unit Model No.	Factory Refrigerant Charge (ft)	Refrigerant Adjustment Factor (oz. per ft)	Drain Pipe Size(in)	SEER2 (non ducted)	EER2 (non ducted)	HSPF2-4 (non ducted)	HSPF2-5 (non ducted)
CPA32-09CD(I)	CH20-09CD-32(O)	25	0.11	5/8"	20	12.0	9.5	8.2
CPA32-12CD(I)	CH20-12CD-32(O)	25	0.11	5/8"	20	10.5	9.5	8.5
CPA32-18CD(I)	CH20-18CD-32(O)	25	0.11	5/8"	18	9.0	9.0	7.8
CPA32-24CD(I)	CH20-24CD-32(O)	25	0.11	5/8"	18	9.0	9.5	8.5

SPECS AT A GALANCE

CH20-32 (I) Indoor Series
Flex-Mount Indoor High Wall Heat Pump

Indoor unit Model No.	ComfortStar Outdoor unit Model No.	MINIMUM CIRCUIT AMPACITY	Min. Inter-Connecting Wire Size (AWG)	Breaker Size (A)	Piping Sizes (in)	Max. Piping Length for all rooms (ft)	Max. Piping Length for one IDU (ft)	Min. Allowable Piping Length (ft)	Max. Height Difference of IDU and ODU(ft)
9-24K: CH20-09CD-32(I) CH20-12CD-32(I) CH20-18CD-32(I) CH20-24CD-32(I)	C32-MZ-2	14	16AWG*4 Stranded, unshielded, TC-ER Type	20	3/8",1/4"	131	82	9.8	49
	C32-MZ-3	16	16AWG*4 Stranded, unshielded, TC-ER Type	25	3/8",1/4"	197	98	9.8	49
	C32-MZ-4	24	16AWG*4 Stranded, unshielded, TC-ER Type	35	3/8",1/4"	262	98	9.8	49
	C32-MZ-5	27	16AWG*4 Stranded, unshielded, TC-ER Type	45	3/8",1/4"	328	98	9.8	49

TPA32(I) Series
Flex-Mount Indoor Heat Pump Cassette Type

Indoor unit Model No.	ComfortStar Outdoor unit Model No.	MINIMUM CIRCUIT AMPACITY	Min. Inter-Connecting Wire Size (AWG)	Breaker Size (A)	Piping Sizes (in)	Max. Piping Length for all rooms (ft)	Max. Piping Length for one IDU (ft)	Min. Allowable Piping Length (ft)	Max. Height Difference of IDU and ODU(ft)
9-24K: TPA32-09CD(I) TPA32-12CD(I) TPA32-18CD(I) TPA32-24CD(I)	C32-MZ-2	14	16AWG*4 Stranded, unshielded, TC-ER Type	20	3/8",1/4"	131	82	9.8	49
	C32-MZ-3	16	16AWG*4 Stranded, unshielded, TC-ER Type	25	3/8",1/4"	197	98	9.8	49
	C32-MZ-4	24	16AWG*4 Stranded, unshielded, TC-ER Type	35	3/8",1/4"	262	98	9.8	49
	C32-MZ-5	27	16AWG*4 Stranded, unshielded, TC-ER Type	45	3/8",1/4"	328	98	9.8	49

FPA32 (I) Series
Light Commercial Indoor Heat Pump Floor/Ceiling

Indoor unit Model No.	ComfortStar Outdoor unit Model No.	MINIMUM CIRCUIT AMPACITY	Min. Inter-Connecting Wire Size (AWG)	Breaker Size (A)	Piping Sizes (in)	Max. Piping Length for all rooms (ft)	Max. Piping Length for one IDU (ft)	Min. Allowable Piping Length (ft)	Max. Height Difference of IDU and ODU(ft)
18-24K FPA32-18CD(I) FPA32-24CD(I)I	C32-MZ-3	16	16AWG*4 Stranded, unshielded, TC-ER Type	25	3/8" ,1/4"	197	98	9.8	49
	C32-MZ-4	24	16AWG*4 Stranded, unshielded, TC-ER Type	35	3/8" ,1/4"	262	98	9.8	49
	C32-MZ-5	27	16AWG*4 Stranded, unshielded, TC-ER Type	45	3/8" ,1/4"	328	98	9.8	49

CPA32(I) Series
Light Commercial Indoor Heat Pump Fan Coil

Indoor unit Model No.	ComfortStar Outdoor unit Model No.	MINIMUM CIRCUIT AMPACITY	Min. Inter-Connecting Wire Size (AWG)	Breaker Size (A)	Piping Sizes (in)	Max. Piping Length for all rooms (ft)	Max. Piping Length for one IDU (ft)	Min. Allowable Piping Length (ft)	Max. Height Difference of IDU and ODU(ft)
9-24K: CPA32-09CD(I) CPA32-12CD(I) CPA32-18CD(I) CPA32-24CD(I)	C32-MZ-2	14	16AWG*4 Stranded, unshielded, TC-ER Type	20	3/8",1/4"	131	82	9.8	49
	C32-MZ-3	16	16AWG*4 Stranded, unshielded, TC-ER Type	25	3/8",1/4"	197	98	9.8	49
	C32-MZ-4	24	16AWG*4 Stranded, unshielded, TC-ER Type	35	3/8",1/4"	262	98	9.8	49
	C32-MZ-5	27	16AWG*4 Stranded, unshielded, TC-ER Type	45	3/8",1/4"	328	98	9.8	49

SPECS AT A GALANCE

CH20-32 (I) Indoor Series
Flex-Mount Indoor High Wall Heat Pump

Indoor unit Model No.	Outdoor unit Model No.	Factory Refrigerant Charge (ft)	Refrigerant Adjustment Factor (oz. per ft)	Drain Pipe Size (in)	SEER2 (non ducted)	EER2 (non ducted)	HSPF2-4 (non ducted)	HSPF2-5 (non ducted)
9-24K: CH20-09CD-32(I) CH20-12CD-32(I) CH20-18CD-32(I) CH20-24CD-32(I)	C32-MZ-2	49	0.11	refer IDU	23	11.2	9.5	8
	C32-MZ-3	74	0.11	refer IDU	20	11.0	9.5	8
	C32-MZ-4	98	0.11	refer IDU	20	11.0	9.5	8
	C32-MZ-5	123	0.11	refer IDU	20	11.0	9.5	8

TPA32(I)Series
Flex-Mount Indoor Heat Pump Cassette Type

Indoor unit Model No.	Outdoor unit Model No.	Factory Refrigerant Charge (ft)	Refrigerant Adjustment Factor (oz. per ft)	Drain Pipe Size (in)	SEER2 (non ducted)	EER2 (non ducted)	HSPF2-4 (non ducted)	HSPF2-5 (non ducted)
9-24K: TPA32-09CD(I) TPA32-12CD(I) TPA32-18CD(I) TPA32-24CD(I)	C32-MZ-2	49	0.11	refer IDU	25	11.7	10	8.5
	C32-MZ-3	74	0.11	refer IDU	22	11.2	10	8.5
	C32-MZ-4	98	0.11	refer IDU	23	11.2	10	8
	C32-MZ-5	123	0.11	refer IDU	24	11.2	10	8.5

FPA32 (I) Series
Light Commercial Indoor Heat Pump Floor/Ceiling

Indoor unit Model No.	Outdoor unit Model No.	Factory Refrigerant Charge (ft)	Refrigerant Adjustment Factor (oz. per ft)	Drain Pipe Size (in)	SEER2 (non ducted)	EER2 (non ducted)	HSPF2-4 (non ducted)	HSPF2-5 (non ducted)
18-24K : FPA32-18CD(I) FPA32-24CD(I)	C32-MZ-3	74	0.11	refer IDU	22	11.2	10	8.5
	C32-MZ-4	98	0.11	refer IDU	23	11.2	10	8
	C32-MZ-5	123	0.11	refer IDU	24	11.2	10	8.5

CPA32(I) Series
Light Commercial Indoor Heat Pump Fan Coil

Indoor unit Model No.	Outdoor unit Model No.	Factory Refrigerant Charge (ft)	Refrigerant Adjustment Factor (oz. per ft)	Drain Pipe Size (in)	SEER2 (non ducted)	EER2 (non ducted)	HSPF2-4 (non ducted)	HSPF2-5 (non ducted)
9-24K: CPA32-09CD(I) CPA32-12CD(I) CPA32-18CD(I) CPA32-24CD(I	C32-MZ-2	49	0.11	refer IDU	22	11.7	9.5	8
	C32-MZ-3	74	0.11	refer IDU	19	11	10	9
	C32-MZ-4	98	0.11	refer IDU	19	11	9	7.5
	C32-MZ-5	123	0.11	refer IDU	20	11	10	8

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- More energy efficient at reducing greenhouse gas emissions.
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