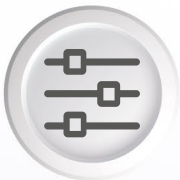


# ComfortStar®

Air Conditioning & Heating Products

## PTAC32 Series

Package Terminal Units  
Cooling Only with Electric Heat  
and Heat Pump



Front Desk  
Reserved Port



24V Thermostat  
Compatible



Anti-corrosion  
design



Random compressor  
restart



Anti-freezing  
protection

**PTAC32 Series** creates a healthy and comfortable environment, combining clean air quality and desirable indoor temperatures.

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[www.comfortstarusa.com](http://www.comfortstarusa.com)

# PTAC32 Series

## Packaged Terminal Cooling with Electric Heat

Model			32AC07CD35	32AC09CD35	32AC12CD35	32AC15CD35
Power supply	V-Ph-Hz		208_230V_1Ph_60HZ	208_230V_1Ph_60HZ	208_230V_1Ph_60HZ	208_230V_1Ph_60HZ
Cooling(Standard conditions)	Capacity	Btu/h	7300/7200	9200/9000	12000/11800	14700/14500
	Input	W	560/550	790/780	1080/1060	1390/1370
	Current	A	3.1/3.4	4.3/4.9	5.5/6.1	7.5/8.9
	EER	Btu/h/W	13.1	11.3	10.7	10.6
Heating(PTC)	Capacity	Btu/h	10900/8900	10900/8900	10900/8900	10900/8900
	Input(Heater)	W	3500/2897	3500/2897	3500/2897	3500/2897
	Current	A	15.3/13.7	15.3/13.7	14.96/13.7	15.3/13.7
Starting current	A	45.9	45.9	45.9	45.9	
Compressor	Model		KSN54N11UAJB3	KSN71N11VDZ1	KSM100N11VEZ	KSM125N1UEZ
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	W	1565/1610	2560/2525	3590/3620	3825±3%
	Input	W	575/580	630/626	850/875±3%	1300±3%
	Rated current	A	2.75/2.45	630/626	4.18/3.85±3%	6.35
	Locked rotor Amp(LRA)	A	14	17	28.5±10%	(at 1φ-240V-60Hz) 34.5 ±10% A
	Thermal protector		USP-233-05	UP3-AOL/HPA-318L	UP-AZH/HPA-325H	HPA-430KH
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL	INTERNAL
	Capacitor	uF	15	20	35	60
Refrigerant oil/oil charge	ml	VG68 190±10	VG68 190	VG68 300±15	VG68-300±15 ml	
Indoor side fan motor(DC)	Model		ZKFP-25-8-157L	ZKFP-25-8-157L	ZKFP-25-8-157L	ZKFP-25-8-157L
	Speed(hi/mi/lo)	r/min	cooling:930/800 heating:1040/940	cooling:1110/930 heating:1110/1020	cooling:1110/930 heating:1110/1020	cooling:1110/930 heating:1110/1020
	Insulation class		B	B	B	B
	Waterproofing class		IP20	IP20	IP20	IP20
Outdoor side fan motor	Model		YKT-58-4-3L	YKT-37-4-203L	YKT-58-4-3L	YKT-58-4-3L
	Input	W	87	71	87	87
	Capacitor	uF	3uF	3	3	3
	Speed(hi/mi/lo)	r/min	1580	1365	1580	1580
	Capacitor class		S3	S3	S3	S3
	Insulation class		B	B	B	B
Evaporator	a.Number of rows		3	2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.2	1.2	1.2
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	700x40.11x252	700x252x26.74	700x252x26.74	700x252x26.74
	g.Number of circuits		4	2	2	2
Indoor side air flow(Hi/Mi/Lo)	m3/h		588/0/484	731/0/582	733/0/592	731/0/594
	CFM		345.88//284.71	430.00//342.35	431.18//348.24	430.00//349.41
Indoor side noise level (Hi/Mi/Lo)	dB(A)		51/0/50.5	50/0/49.5	52/0/51.5	51/0/50.5
Condenser	a.Number of rows		3	2	2	3
	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6	19.5x11.6	19.5x11.6
	c.Fin spacing	mm	1.2	1.2	1.2	1.2
	d.Fin type (code)		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube
	f.Coil length x height x width	mm	637x351x34.8	637x351x23.2	637x351x23.2	637x351x34.8
	g.Number of circuits		3	2	2	3
Outdoor side noise level(Hi)	dB(A)		67	63	67	65
			R32	R32	R32	R32
Refrigerant type	kg		0.49	0.43	0.43	0.61
	oz		17.28426	15.16782	15.16782	21.51714
Design pressure(145psi=1MPa )(L/H)	psi		300/580	300/580	300/580	300/580
Connection wiring			12#x3	12#x3	12#x3	12#x3
Plug type			LCDI(6-20P)	LCDI(6-20P)	LCDI(6-20P)	LCDI(6-20P)
Control type			Electronic Control	Electronic Control	Electronic Control	Electronic Control
Operation temp	indoor(cooling/heating)	°C	17-32/0-27	17-32/0-27	17-32/0-27	17-32/0-27
		°F	63-90/32-80	63-90/32-80	63-90/32-80	63-90/32-80
	outdoor(cooling/heating)	°C	18-43/-5-24	18-43/-5-24	18-43/-5-24	18-43/-5-24
		°F	64-109/23-75	64-109/23-75	64-109/23-75	64-109/23-75
Dimension(W*D*H)	mm		1067x532x406	1067x532x406	1067x532x406	1067x532x406
	inch		42.01x20.94x15.98	42.01x20.94x15.98	42.01x20.94x15.98	42.01x20.94x15.98
Packing (W*D*H)	mm		1130x625x490	1130x625x490	1130x625x490	1130x625x490
	inch		44.49x24.61x19.29	44.49x24.61x19.29	44.49x24.61x19.29	44.49x24.61x19.29
Net/Gross weight	kg		44.5/48.5	44/48	47/51	48/52
	lb		98.10/106.92	97.00/105.82	103.62/112.43	105.82/114.64
Loading quantity 20' /40' /40' HQ	Pieces		72/152/190	72/152/190	72/152/190	72/152/190

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Air Conditioning & Heating Products



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# PTAC32 Series

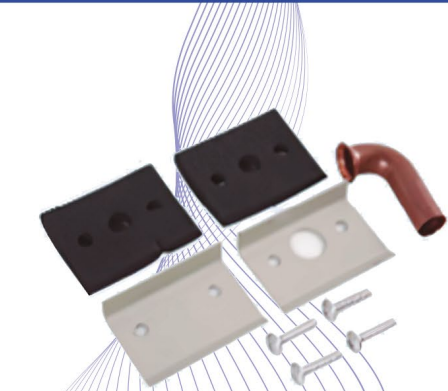
## Heat Pump

Model			32HP07CD35	32HP09CD35	32HP12CD35	32HP15CD35
Power supply		V-Ph-Hz	208_230V_1Ph_60HZ	208_230V_1Ph_60HZ	208_230V_1Ph_60HZ	208_230V_1Ph_60HZ
Cooling (Standard conditions)	Capacity	Btu/h	7200/7100	9300/9200	12000/11800	14700/14500
	Input	W	550/540	820/810	1040/1020	1390/1370
	Current	A	3.0/3.3	4.2/4.6	5.3/5.8	6.5/7.4
	EER	Btu/h/W	13.1	11.4	10.5	10.6
Heating(PTC)	Capacity	Btu/h	10900/8900	10900/8900	10900/8900	10900/8900
	Input(Heater)	W	3500/2897	3500/2897	3500/2897	3500/2897
	Current	A	15.3/13.7	15.3/13.7	15.3/13.7	15.3/13.7
Heating(Heat pump) (Standard conditions)	Capacity	Btu/h	6200/6000	8100/7900	10800/10500	13500/13200
	Input	W	480/460	720/690	890/850	1170/1120
	Current	A	2.6/2.7	3.9/4.3	5.0/5.3	6.0/6.4
	COP	W/W	3.60	3.40	3.2	3.20
Starting current		A	45.9	45.9	45.9	45.9
Compressor	Model		KSN64N11UAJB3	KSN82N13VDZB1	KSM100N11VEZ	KSM125N1UEZ
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	W	1565/1610	2970/3015 ±3% W	3590/3620	3825±3%
	Input	W	575/580	710/718 ±3% W	850/875±3%	1300±3%
	Rated current	A	2.75/2.45	3.45/3.15 ±3% A	4.18/3.85±3%	6.35
	Locked rotor Amp(LRA)	A	14	( at 1φ-240V-60Hz) ±10% 20 A	28.5±10%	( at 1φ-240V-60Hz) 34.5 ±10% A
	Thermal protector		USP-233-05	/	UP-A2H/HPA-325H	HPA-430KH
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL	INTERNAL
	Capacitor	uF	15	20	35	60
Refrigerant oil/oil charge	ml	VG68 190±10	ESTER OIL VG68-270±10 ml	VG68 300±15	VG68-300±15 ml	
Indoor side fan motor(DC)	Model		ZKFP-25-8-157L	ZKFP-25-8-157L	ZKFP-25-8-157L	ZKFP-25-8-157L
	Speed(hi/mi/lo)	r/min	cooling:930/800 heating:1040/940	cooling:930/800 heating:1110/1020	cooling:1110/930 heating:1110/1020	cooling:1100/930 heating : 1100/1020
	Insulation class		B	B	B	B
	Waterproofing class		IP20	IP20	IP20	IP20
Outdoor side fan motor	Model		YKT-58-4-3L	YKT-37-4-203L	YKT-58-4-3L	YKT-58-4-3L
	Input	W	87	71	87	87
	Capacitor	uF	3	3	3	3
	Speed(hi/mi/lo)	r/min	1580	1365	1580	1580
	Capacitor class		S3	S3	S3	S3
	Insulation class		B	B	B	B
Evaporator	a.Number of rows		2	2	2	3
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.2	1.2	1.2	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	700x252x26.74	700x252x26.74	700x252x26.74	700x252x40.11
	g.Number of circuits		2	2	2	4
Indoor side air flow(Hi/Mi/Lo)	m3/h		603/0/502	617/0/510	745/0/585	708/0/561
	ft3/min		354.711///295.29	362.94///300.00	438.24///344.12	416.47///330.00
Indoor side noise level (Hi/Mi/Lo)		dB(A)	51/0/50.5	50/0/49.5	52/0/51.5	53/0/52.5
Condenser	a.Number of rows		3	2	3	3
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	19.5x11.6	21x13.37	21x13.37
	c.Fin spacing	mm	1.2	1.2	1.2	1.2
	d.Fin type (code)		Hydrophilic aluminum	Unhydrophilic aluminium	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	635x357x40.11	637x351x23.2	635x357x40.11	635x357x40.11
	g.Number of circuits		3	2	3	3
Outdoor side noise level(Hi)		dB(A)	67	64	67	67
Refrigerant type	Refrigerant type		R32	R32	R32	R32
	kg		0.68	0.43	0.76	0.9
		oz(1kg=35.274oz)	23.98632	15.16782	26.80824	31.7466
Design pressure(145psi=1MPa )(L/H)		psi	300/580	300/580	300/580	300/580
Connection wiring			12#x3	12#x3	12#x3	12#x3
Plug type			LCDI(6-20P)	LCDI(6-20P)	LCDI(6-20P)	LCDI(6-20P)
Control type			Electronic Control	Electronic Control	Electronic Control	Electronic Control
Operation temp	indoor(cooling/heating)	°C	17-32/0-27	17-32/0-27	17-32/0-27	17-32/0-27
		°F	63-90/32-80	63-90/32-80	63-90/32-80	63-90/32-80
	outdoor(cooling/heating)	°C	18-43/-5-24	18-43/-5-24	18-43/-5-24	18-43/-5-24
		°F	64-109/23-75	64-109/23-75	64-109/23-75	64-109/23-75
Dimension(W*D*H)	mm		1067x532x406	1067x532x406	1067x532x406	1067x532x406
	in		42.01x20.94x15.98	42.01x20.94x15.98	42.01x20.94x15.98	42.01x20.94x15.98
Packing (W*D*H)	mm		1130x625x490	1130x625x490	1130x625x490	1130x625x490
	in		44.49x24.61x19.29	44.49x24.61x19.29	44.49x24.61x19.29	44.49x24.61x19.29
Net/Gross weight	kg		46/50	45/49	51/55.5	51/55.5
	lb		101.41/110.23	99.21/108.03	110.23/119.05	113.54/122.36
Loading quantity 20' /40' /40' HQ		Pieces	72/152/190	72/152/190	72/152/190	72/152/190

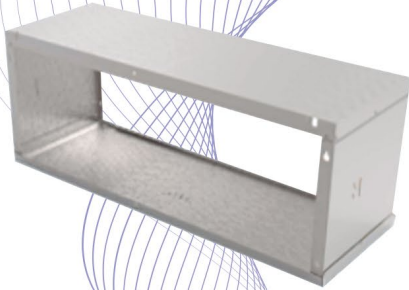
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**Condensate Drain Kit**  
Part NO. 32KIT



**Foldable Wall Sleeve**  
(Condensate Drain Kit Included)  
Part NO. 32WS2



**Extruded Architectural Grille**  
Part NO. 32AA6-61



**Stamped Grille**  
Part NO. 32AS2

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PTAC32-2023

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