

ComfortStar®

AIR CONDITIONING AND HEATING

89 SERIES

PTAC

89AC07CD25
89AC09CD35
89AC12CD35
89AC15CD35
89HP07CD25
89HP09CD35
89HP12CD35
89HP15CD35



- Auto restart
- Compressor time delay protection
- Auto defrost

- Universal wired control programmable and none programmable(optional)
- 24 volt thermostat(optional)

- Large fresh air ventilation
- Gold Fin
- LED Display

89 SERIES PTAC

Model No.			89AC07CD25	89AC09CD35	89AC12CD35	89AC15CD35
Power supply		V,Hz,Ph	230/208V,60Hz	230/208V, 60Hz, 1Ph	230/208V, 60Hz, 1Ph	230/208V, 60Hz, 1Ph
Min. Circuit Ampacity	MCA	A	14	20	20	20
Cooling	Capacity	Btu/h	7300/7100	9200/9000	12000/11800	14700/14500
	Input	W	613/596	814/796	1121/1102	1547/1526
	Current	A	2.7/2.88	3.54/3.83	4.88/5.30	6.73/7.34
	EER	Btu/h/W	11.9	11.3	10.7	9.5
Heating(Heat pump)	Capacity	Btu/h	N/A	N/A	N/A	N/A
	Input	W	N/A	N/A	N/A	N/A
	Current	A	N/A	N/A	N/A	N/A
	COP	W/W	N/A	N/A	N/A	N/A
Heating(PTC)	Capacity	Btu/h	7800/6300	10900/8900	10900/8900	10900/8900
	Input		2484/2038	3519/2850	3519/2850	3519/2850
	Current	A	10.8/9.8	15.30/13.70	15.30/13.70	15.30/13.70
Heater			2500W	3500W	3500W	3500W
Starting current		A	16	18	25.9	34.5
Compressor	Model		PA58G0C-3DZD	PA78G0C-3DZD	PA108M1C-3FZDU	ASM135N1UEZ
Indoor side fan motor	Model		YDK20-6BS	YDK20-6BS	YDK20-6BS	YDK20-6BS
	Brand		Welling	Welling	Welling	Welling
	Input	W	35.5	35.5	35.5	35.5
	FLA / Output	A/Wat	0.155 / 21	0.155 / 21	0.155 / 21	0.155 / 21
	Capacitor	uF	1.0	1.0	1.0	1.0
	Speed(Hi/Mi/Lo)	r/min	1110/1070/1040	1110/1070/1040	1110/1070/1040	1110/1070/1040
Outdoor side fan motor	Model		YDK30-4B	YDK30-4B	YDK40-4B	YDK40-4B
	Brand		Welling	Welling	Welling	Welling
	Input	W	69	69	87	87
	FLA/ Output	A/Wat	0.35 / 37	0.35 / 37	0.41 / 58	0.41 / 58
	Capacitor	uF	3.0	3.0	3.0	3.0
	Speed(Hi)	r/min	1400	1400	1590	1590
Indoor side air flow (Hi/Mi/Lo)		m3/h	710/690/650	740/710/670	690/670/650	660/640/620
Indoor side noise level (Hi/Mi/Lo)		dB(A)	50/48/46	50/48/46	52/49/46	53/50/45
		CFM	417/405/382	435/417/394	405/394/382	388/376/364
Outdoor side noise level (Hi)		dB(A)	61	63	66	66
Refrigerant type		kg	R410A/21.16ozs	R410A/21.16ozs	R410A/27.51ozs	R410A/28.92ozs
Design pressure		PSIG	540/300	540/300	540/300	540/300
Connection wiring			14AWGx3	12AWGx3	12AWGx3	12AWGx3
Plug type			LCDI 6-15P	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	62°F-90°F/32 °F-80 °F	62°F-90°F/32 °F-80 °F	62°F-90°F/32 °F-80 °F	62°F-90°F/32 °F-80 °F
	outdoor(cooling/heating)	°C	18-43/-5-24	18-43/-5-24	18-43/-5-24	18-43/-5-24
		°F	64 °F-109 °F/23 °F-76 °F	64 °F-109 °F/23 °F-76 °F	64 °F-109 °F/23 °F-76 °F	64 °F-109 °F/23 °F-76 °F
Application area (Cooling Standard)		m2	10-14	12-18	16-23	20-29
Application area (Cooling EPA)		sq. ft	250-300	350-400	450-550	550-700
Dimension(W*D*H)		mm	1067x532x406	1067x532x406	1067x532x406	1067x532x406
		in	42x21x16	42x21x16	42x21x16	42x21x16
Packing (W*D*H)		mm	1145x645x490	1145x645x490	1145x645x490	1145x645x490
		in	45.1x25.4x19.3	45.1x25.4x19.3	45.1x25.4x19.3	45.1x25.4x19.3
Net/Gross weight		Kg	45/56	45.8/56.9	50.7/61.8	51.2/62.3
		lb	99.2/123.5	104.7/130.1	111.8/136.2	112.9/137.3

89HP07CD25	89HP09CD35	89HP12CD35	89HP15CD35
230/208V,60Hz	230/208V,60Hz	230/208V,60Hz	230/208V,60Hz
14	20	20	20
7200/6800	9000/8800	12000/11800	14700/14500
610/576	796/778	1142/1124	1531/1510
2.65/2.76	3.46/3.75	4.97/5.4	6.66/7.26
11.9	11.3	10.5	9.6
6000/5800	8100/7900	10800/10500	13500/13200
517/500	716/699	990/963	1323/1294
2.25/2.41	3.04/3.28	4.3/4.63	5.74/6.2
3.4	3.40	3.20	3.0
7800/6300	10900/8900	10900/8900	10900/8900
2484/2038	3519/2850	3519/2850	3519/2850
10.8/9.8	15.3/13.7	15.3/13.7	15.3/13.7
2500W	3500W	3500W	3500W
16	18	25.9	39
PA58G0C-3DZD	PA78G0C-3DZD	PA108M1C-3FZDU	ASM135N1UEZ
YDK20-6BS	YDK20-6BS	YDK20-6BS	YDK20-6BS
Welling	Welling	Welling	Welling
35.5	35.5	35.5	35.5
0.155 / 21	0.155 / 21	0.155 / 21	0.155 / 21
1.0	1.0	1.0	1.0
1110/1070/1040	1110/1070/1040	1110/1070/1040	1110/1070/1040
YDK30-4B	YDK30-4B	YDK40-4B	YDK40-4B
Welling	Welling	Welling	Welling
69	69	87	87
0.35 / 37	0.35 / 37	0.41 / 58	0.41 / 58
3.0	3.0	3.0	3.0
1400	1400	1590	1590
730/690/630	740/710/670	740/720/700	720/690/670
50/48/46	50/48/46	53/50/45	53/50/45
429/405/370	435/417/394	435/423/411	423/405/394
61	61	66	66
R410A/24.69ozs	R410A/24.69ozs	R410A/31.39ozs	R410A/37.04ozs
540/300	540/300	540/300	540/300
14AWGx3	12AWGx3	12AWGx3	12AWGx3
LCDI 6-15P	LCDI 6-20P	LCDI 6-20P	LCDI 6-20P
Electronic Control	Electronic Control	Electronic Control	Electronic Control
17-32/0-27	17-32/0-27	17-32/0-27	17-32/0-27
62°F-90°F/32 °F-80 °F	62°F-90°F/32 °F-80 °F	62°F-90°F/32 °F-80 °F	62°F-90°F/32 °F-80 °F
18-43/-5-24	18-43/-5-24	18-43/-5-24	18-43/-5-24
64 °F-109 °F/23 °F-76 °F	64 °F-109 °F/23 °F-76 °F	64 °F-109 °F/23 °F-76 °F	64 °F-109 °F/23 °F-76 °F
10-14	12-18	16-23	20-29
250-300	350-400	450-500	550-700
1067x532x406	1067x532x406	1067x532x406	1067x532x406
42x21x16	42x21x16	42x21x16	42x21x16
1145x645x490	1145x645x490	1145x645x490	1145x645x490
45.1x25.4x19.3	45.1x25.4x19.3	45.1x25.4x19.3	45.1x25.4x19.3
46/57.5	47.4/58.5	52.5/63.6	52.8/63.9
101.4/126.8	106.9/132.3	115.7/140.2	116.4/140.9

ADDITIONAL 89 SERIES PTAC FEATURES



Open

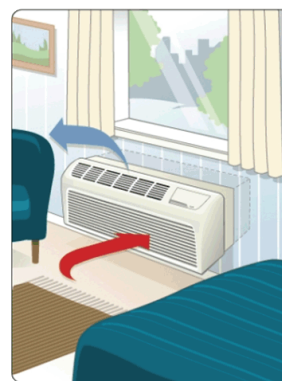


Closed

Large ventilation door: lets more fresh air into the room, and makes for a quick air exchange.



Easy to clean filter position.



PTAC-INTERIOR



PTAC-EXTERIOR



If the air conditioner shuts off unexpectedly due to the power off, it will restart to work under the previous setting mode automatically when the power resumes.

Random Compressor restart-Whenever the unit is plugged in, or power has been restarted, a random compressor restart will occur. After a power outage, the compressor will restart after approximately 3 minutes.

Compressor Protection-To prevent short cycling of the compressor, there is a random startup delay of 3 minutes and a minimum compressor run time of 3 minutes.



Wired thermostat
PART NO. 89-WSTAT

15amp 230 volts electrical cord
PART NO. 15A-CORD

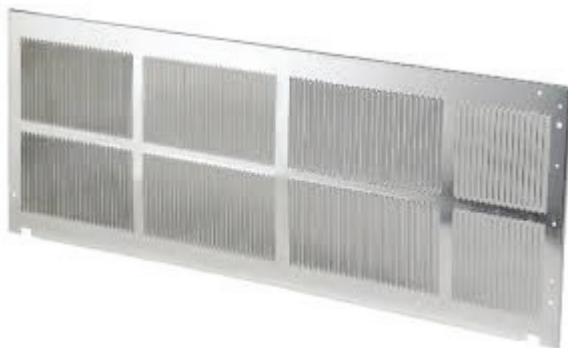
20amp 230 volts electrical cord
PART NO. 20A-CORD



Foldable wall sleeve
PART .NO 89WS2



Grey architectural grill
PART NO: 89AAG-G1



Aluminum standard grill
PART NO. 89ASG1