

PRODUCT CATALOG



PRODUCT OVERVIEW

Not everyone is equipped to handle the heat... Are you?

Designed for portability and convenience, the versatile TOPAZ™ portable air conditioner sets up in minutes, and its rugged design rolls easily from shop floor to indoor office areas. The TOPAZ line consists of six models, offering from 14,000 – 77,500 BTU/hr.

Cools Quietly

TOPAZ cools quietly at office-acceptable sound levels without significantly adding to background noise. Ideal for supplemental or temporary cooling in offices, meeting areas, or classrooms. Featuring backward-inclined plenum evaporator and condenser fans, TOPAZ operates at the lowest decibel level for portable air conditioners.

Cools Effectively

TOPAZ delivers full performance at a wide range of temperatures and altitudes with a thermostatic expansion valve – not found in ordinary units. This valve automatically adjusts to the environment, allowing the units to operate under more extreme temperatures. Use the mechanical thermostat, or simply set-and-forget the optional seven-day, 24 hr programmable temperature controls to cool exactly when you need it.

Cools Efficiently

Just plug in TOPAZ and cool – no special electrical requirements are needed. Most TOPAZ models are single phase (460V 3 Phase option on the TZ-60M). TOPAZ costs less to operate because it draws the least amount of amperage on a per-ton basis when compared to ordinary industrial units.

Our portable units can be rolled from room-to-room and can accommodate every need:

- Humidity Control
- Production Areas
- Special Events
- Computer Rooms
- Temporary Staffing
- Maintenance
- A/C Failure
- Supplemental A/C
- Training Centers

TZ-12A/TZ-18A



SPECIFICATIONS	TOPAZ TZ-12A	TOPAZ TZ-18A
COOLING CAPACITY, BTU/hr ¹	14,000	17,600
POWER SUPPLY ⁴ VOLTS/HERTZ/PHASE/AMPS	115/60/1/15	115/60/1/15
THERMOSTAT CONTROL	MECHANICAL ²	MECHANICAL ²
METERING DEVICE	TX VALVE	TX VALVE
TOTAL POWER CONSUMPTION (kW)	1.3	1.4
CURRENT CONSUMPTION (AMPS)	11.7	12.0
RECOMMENDED CIRCUIT AMPS	15.0	15.0
NEMA PLUG TYPE	5-15P	5-15P
CER RATING	10.4	12.8
EVAPORATOR CFM, FREE DISCHARGE	350	600
CONDENSER CFM	500	1,000
MAXIMUM ESP, IN WC	0.10	0.10
MAXIMUM DUCT LENGTH (FT)	40	40
CONDENSATE-PUMP HEAD (FT)	15	15
OPERATING LIMITS (MIN-MAX) °F	65-105	65-110
SOUND LEVEL (dB)	57	63
R-22 CHARGE (OZ)	32	52
L X W X H (INCHES)	26 x 20 x 34	29 x 28 x 41
WEIGHT, NET WT/SHIPPING WT (LBS)	163/205	232/286

1. RATING CONDITIONS: 95° F at 60% RH

2. ELECTRICAL RATINGS BASED ON UL 484

3. ELECTRONIC/PROGRAMMABLE THERMOSTAT AVAILABLE

4. R407C REFRIGERANT IS AVAILABLE

Warranty Claims – If ever needed, our in house TOPAZ warranty and parts department are all handled with one phone call. We eliminate the middleman by offering all parts factory direct.

TZ-24A/TZ-36



SPECIFICATIONS	TOPAZ TZ-24A	TOPAZ TZ-36A
COOLING CAPACITY, BTU/hr ¹	29,600	42,200
POWER SUPPLY ⁴ VOLTS/HERTZ/PHASE/AMPS	230/60/1/20	230/60/1/30
THERMOSTAT CONTROL	MECHANICAL ²	MECHANICAL ²
METERING DEVICE	TX VALVE	TX VALVE
TOTAL POWER CONSUMPTION (kW)	2.9	4.2
CURRENT CONSUMPTION (AMPS)	12.5	18.3
RECOMMENDED CIRCUIT AMPS	20.0	30.0
NEMA PLUG TYPE	6-20P	6-30P
CER RATING	10.3	10.0
EVAPORATOR CFM, FREE DISCHARGE	750	1,200
CONDENSER CFM	1,000	1,500
MAXIMUM ESP, IN WC	0.10	0.10
MAXIMUM DUCT LENGTH (FT)	40	40
CONDENSATE-PUMP HEAD (FT)	15	15
OPERATING LIMITS (MIN-MAX) °F	65-105	65-105
SOUND LEVEL (dB)	63	67
R-22 CHARGE (OZ)	54	80
L X W X H (INCHES)	29 x 28 x 41	30 x 28 x 51
WEIGHT, NET WT/SHIPPING WT (LBS)	251/305	336/395

1. RATING CONDITIONS: 95° F at 60% RH

2. ELECTRICAL RATINGS BASED ON UL 484

3. ELECTRONIC/PROGRAMMABLE THERMOSTAT AVAILABLE

4. R407C REFRIGERANT IS AVAILABLE

Durability – TOPAZ units were designed to withstand rugged environments. In fact, TOPAZ is used by TEMP-AIR in their portable rental fleet. All units and accessories are powder coated, making the paint resistant to chipping, scratching, fading, and wear. Colors stay bright and vibrant longer.

Air Marketing Group LLC

TZ-60A/TZ-60A4



SPECIFICATIONS	TOPAZ TZ-60A	TOPAZ TZ-60A4
COOLING CAPACITY, BTU/hr ¹	77,500	76,500
POWER SUPPLY ² VOLTS/HERTZ/PHASE/AMPS	230/60/1/60	460/60/3/20
THERMOSTAT CONTROL	MECHANICAL ³	MECHANICAL ³
METERING DEVICE	TX VALVE	TX VALVE
TOTAL POWER CONSUMPTION (kW)	8.7	9.3
CURRENT CONSUMPTION (AMPS)	37.8	13.2
RECOMMENDED CIRCUIT AMPS	60.0	20.0
NEMA PLUG TYPE	WIRED	WIRED
CER RATING	8.9	8.3
EVAPORATOR CFM, FREE DISCHARGE	2,300	2,300
CONDENSER CFM	3,900	3,900
MAXIMUM ESP, IN WC	0.50	0.50
MAXIMUM DUCT LENGTH (FT)	40	40
CONDENSATE-PUMP HEAD (FT)	15	15
OPERATING LIMITS (MIN-MAX) °F	65-110	65-110
SOUND LEVEL (dB)	71	71
R-22 CHARGE (OZ) ⁴	110	110
L X W X H (INCHES)	42 x 30 x 70	42 x 30 x 70
WEIGHT, NET WT/SHIPPING WT (LBS)	650/685	650/685

1. RATING CONDITIONS: 95° F at 60% RH

2. ELECTRICAL RATINGS BASED ON UL 484

3. ELECTRONIC/PROGRAMMABLE THERMOSTAT AVAILABLE

4. R407C REFRIGERANT IS AVAILABLE

PLUG CONFIGURATIONS



TOPAZ AIR COOLED ACCESSORIES



- Nozzle kit optimizes the ability to direct cool air precisely where needed.
- Ceiling discharge kit allows condenser-air to be vented to the plenum area above a suspended ceiling.
- Condenser return-air plenum allows supply-air to be ducted to the condenser coil.
- Evaporator return-air plenum allows supply-air to be ducted to the evaporator coil.
- Supply-duct adapter allows user to connect ductwork to unit's cold-air discharge.
- Condensate pump kit automatically removes evaporator-coil condensation allowing continuous unit operation.

PART NO

DESCRIPTION

NK-1	TWO, 4" NOZZLES WITH ATTACHMENT KIT, TZ-12A
NK-2	TWO, 6" NOZZLES WITH ATTACHMENT KIT, TZ-18A, TZ-24A AND TZ-36A
NK-3	TWO, 8" NOZZLES WITH ATTACHMENT KIT, TZ-60A AND TZ-60A4
CK-1	10" CEILING DISCHARGE KIT, TZ-12A
CK-3	14" CEILING DISCHARGE KIT, TZ-18A AND TZ-24A AND TZ-36A
CK-4	20" CEILING DISCHARGE KIT, TZ-60A AND TZ-60A4
PC-1	CONDENSATE PUMP, 115 VOLT, TZ-12A AND TZ-18A
PC-2	CONDENSATE PUMP, 208/230 VOLT, TZ-24A, TZ-36A, TZ-60A AND TZ-60A4
CP-1	10" CONDENSER RETURN-AIR PLENUM, TZ-12A
CP-2	14" CONDENSER RETURN-AIR PLENUM, TZ-18A AND TZ-24A
CP-3	14" CONDENSER RETURN-AIR PLENUM, TZ-36A
CP-4	20" CONDENSER RETURN-AIR PLENUM, TZ-60A AND TZ-60A4
EP-1	10" EVAPORATOR RETURN-AIR PLENUM, TZ-12A
EP-2	14" EVAPORATOR RETURN-AIR PLENUM, TZ-18A AND TZ-24A
EP-3	14" EVAPORATOR RETURN-AIR PLENUM, TZ-36A
EP-4	20" EVAPORATOR RETURN-AIR PLENUM, TZ-60A AND TZ-60A4
DA-6	6" COLD-AIR SUPPLY DUCT ADAPTER, TZ-12A
DA-10	10" COLD-AIR SUPPLY DUCT ADAPTER, TZ-18A, TZ-24A AND TZ-36A
DA-14	14" COLD-AIR SUPPLY DUCT ADAPTER, TZ-60A AND TZ-60A4
PT-1	PROGRAMMABLE THERMOSTAT, TZ-12A, TZ-24A, TZ-36A, TZ-60A AND TZ-60A4
CS-1	CONDENSER SCREEN, TZ-12A
CS-2	CONDENSER SCREEN, TZ-18A AND TZ-24A
CS-3	CONDENSER SCREEN, TZ-36A
CS-4	CONDENSER SCREEN, TZ-60A AND TZ-60A4
CD-60	14-60P PLUG KIT WITH 6' CORD
CD-20	16-20P PLUG KIT WITH 6' CORD

Air Marketing Group LLC

TOPAZ WATER COOLED

SPECIFICATIONS	TZ-10W	TZ-12W	TZ-18W
COOLING CAPACITY, BTU/hr ¹	10,500	13,780	18,840
POWER SUPPLY ² VOLTS/HERTZ/PHASE/AMPS	115/60/1/15	115/60/1/15	115/60/1/15
UNIT AMPS	7.7	10.5	12.0
NEMA PLUG TYPE	5-15P	5-15P	5-15P
CER RATING	12.1	13.1	13.5
EVAPORATOR CFM, FREE DISCHARGE	300	400	600
CONDENSER WATER FLOW, GPM 60°F INLET	0.60	0.75	1.10
CONDENSER WATER FLOW, GPM 80°F INLET	2.50	3.00	4.50
SOUND LEVEL (dB)	48	52	57
R-22 CHARGE (oz)	18	19	22
L x W x H (INCHES)	13 x 20 x 32	13 x 20 x 32	13 x 26 x 38
WEIGHT, (LBS)	110	110	150
SHIPPING VOLUME, (CUBIC FT.)	9	9	18

SPECIFICATIONS	TZ-24W	TZ-36W	TZ-60W
COOLING CAPACITY, BTU/hr ¹	23,950	36,100	60,100
POWER SUPPLY ² VOLTS/HERTZ/PHASE/AMPS	230/60/1/20	230/60/1/20	230/60/1/30
UNIT AMPS	8.6	13.0	20.7
NEMA PLUG TYPE	6-20P	6-20P	6-30P
CER RATING	12.3	12.0	11.3
EVAPORATOR CFM, FREE DISCHARGE	810	1,310	1,950
CONDENSER WATER FLOW, GPM 60°F INLET	1.55	2.20	5.50
CONDENSER WATER FLOW, GPM 80°F INLET	6.00	9.00	15.00
SOUND LEVEL (dB)	60	62	69
R-22 CHARGE (oz)	24	36	68
L x W x H (INCHES)	13 x 24 x 38	16 x 28 x 47	39 x 28 x 53
WEIGHT, (LBS)	160	240	460
SHIPPING VOLUME, (CUBIC FT.)	18	21	36

1. At ARI conditions: 80° F in and 67° F fw with 75° F fw outside air 2. ELECTRICAL RATINGS BASED ON UL 484