






























ITEM MODEL	COOLER TYPE/ MEDIA TYPE	# OF SPEEDS/ CONTROL TYPE	MOTOR H.P.	MAX. SQ. FT. COOLED	LIMITED WAR-RANTY	ADD'L INFO	ITEM MODEL	COOLER TYPE/ MEDIA TYPE	# OF SPEEDS/ CONTROL TYPE	MOTOR H.P.	MAX. SQ. FT. COOLED	LIMITED WAR-RANTY	ADD'L INFO
39E720 CP70  ETL LISTED	PORTABLE/ RIGID/	3 / DIGITAL	0.093	350	1 YR	TIMER, OSCILLATE, 6 GAL. CAPACITY	49LW87 MCP59  ETL LISTED	PLASTIC WINDOW/ RIGID/	3/ DIGITAL WITH REMOTE	1/2	2000	1 YR	UV RESISTANT; SLIM PROFILE; WTR. HOSE CONN.
36N459 MMBT12  UL LISTED	MOBILE/ POLYESTER PAD/	2/ ANALOG	1/3	600	1 YR	POWDER COAT PAINT/ 8 GAL CAPACITY/ WATER HOSE CONN.	2YAE5 N30S  UL CLASSIFIED	SIDE DISCHARGE DUCTED/ ASPEN/	2 ANALOG	1/3	1000	1 YR UNIT/ 8 YR BOTTOM PAN	BOLTED CONSTR.; MOTOR SOLD SEPARATELY
36N460 MMBT14  UL LISTED	MOBILE/ POLYESTER PAD/	2/ ANALOG	1/2	600	1 YR	POWDER COAT PAINT/ 11 GAL CAPACITY/ WATER HOSE CONN.	2YAE2 N31D  UL CLASSIFIED	DOWN DISCHARGE DUCTED/ ASPEN/	2 ANALOG	1/3	1100	1 YR UNIT/ 8 YR BOTTOM PAN	BOLTED CONSTR.; MOTOR SOLD SEPARATELY
2YAD8 N28W  UL LISTED	WINDOW/ ASPEN/	2/ ANALOG	1/8	400-600	1 YR UNIT/ 8 YR BOTTOM PAN	FULLY ASSEMBLED & TESTED	2YAE4 N40/45S  UL CLASSIFIED	SIDE DISCHARGE DUCTED/ ASPEN/	2 ANALOG	1/3 1/2	1400 1700	1 YR UNIT/ 8 YR BOTTOM PAN	BOLTED CONSTR.; MOTOR SOLD SEPARATELY
2YAD7 N44W  UL LISTED	WINDOW/ ASPEN/	2/ ANALOG	1/3	700-1200	1 YR UNIT/ 8 YR BOTTOM PAN	INSTL. KIT INCL./ CONVERTIBLE GRILLE INSTL. OPTION	2YAE1 N43/48D  UL CLASSIFIED	DOWN DISCHARGE DUCTED/ ASPEN/	2 ANALOG	1/3 1/2	1500 1800	1 YR UNIT/ 8 YR BOTTOM PAN	BOLTED CONSTR.; MOTOR SOLD SEPARATELY
2YAD6 N46W  UL LISTED	WINDOW/ ASPEN/	2/ ANALOG	1/3	1000-1400	1 YR UNIT/ 8 YR BOTTOM PAN	INSTL. KIT INCL./ CONVERTIBLE GRILLE INSTL. OPTION	2YAE3 N55/65S  UL CLASSIFIED	SIDE DISCHARGE DUCTED/ ASPEN/	2 ANALOG	1/2 3/4	2000 2300	1 YR UNIT/ 8 YR BOTTOM PAN	BOLTED CONSTR.; MOTOR SOLD SEPARATELY
2YAD5 RN50W  UL LISTED	WINDOW/ ASPEN/	2/ DIGITAL W / REMOTE	1/2	800-1600	1 YR UNIT/ 8 YR BOTTOM PAN	INSTL. KIT INCL./ CONVERTIBLE GRILLE INSTL. OPTION; REMOTE	2YAD9 N56/66D  UL CLASSIFIED	DOWN DISCHARGE DUCTED/ ASPEN/	2 ANALOG	1/2 3/4	210 2400	1 YR UNIT/ 8 YR BOTTOM PAN	BOLTED CONSTR.; MOTOR SOLD SEPARATELY
39E721 MCP44  ETL LISTED	PLASTIC WINDOW/ RIGID/	3/ DIGITAL WITH REMOTE	1/3	1600	1 YR	UV RESISTANT; SLIM PROFILE; WTR. HOSE CONN.							

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453D80 4000RLD4  UL CLASSIFIED	LOW PROFILE/ DOWN DISCHARGE/ 4" RIGID CELLULOSE	2/ CONNECTS TO THERMOSTAT	3/4	1605	1 YR UNIT/ 8 YR BOTTOM PAN	LOW PROFILE DESIGN/ STANDARD MODEL/ UP TO 90% EFFICIENCY	2YAE8 ADA5112  UL CLASSIFIED	SINGLE INLET DOWN DISCHARGE/ 8" RIGID CELLULOSE	2/ CONNECTS TO THERMOSTAT	1/3 1/2 3/4	1100 1400 1650	1 YR UNIT/ 5 YR MEDIA	HIGH EFFICIENCY, RUST FREE THERMOPLASTIC RESERVOIR; MOTOR SOLD SEPARATELY
453D81 4000CRLD4  UL CLASSIFIED	LOW PROFILE/ DOWN DISCHARGE/ 4" RIGID CELLULOSE	2/ ANALOG: THERMOSTAT INCLUDED	3/4	1605	1 YR UNIT/ 8 YR BOTTOM PAN	LOW PROFILE DESIGN/ CONTRACTOR MODEL UP TO 90% EFFICIENCY	2YAE7 ASA7112  UL CLASSIFIED	SINGLE INLET SIDE DISCHARGE/ 12" RIGID CELLULOSE	2/ CONNECTS TO THERMOSTAT	1/2 3/4 1	1700 2000 2300	1 YR UNIT/ 5 YR MEDIA	HIGH EFFICIENCY, RUST FREE THERMOPLASTIC RESERVOIR; MOTOR SOLD SEPARATELY
2YAF4 ASA51  UL CLASSIFIED	SINGLE INLET SIDE DISCHARGE/ 8" RIGID CELLULOSE	2/ CONNECTS TO THERMOSTAT	1/3 1/2 3/4	1100 1400 1650	1 YR UNIT/ 5 YR MEDIA	HIGH EFFICIENCY, RUST FREE THERMOPLASTIC RESERVOIR; MOTOR SOLD SEPARATELY	2YAE6 ADA7112  UL CLASSIFIED	SINGLE INLET DOWN DISCHARGE/ 12" RIGID CELLULOSE	2/ CONNECTS TO THERMOSTAT	1/2 3/4 1	1700 2000 2300	1 YR UNIT/ 5 YR MEDIA	HIGH EFFICIENCY, RUST FREE THERMOPLASTIC RESERVOIR; MOTOR SOLD SEPARATELY
2YAF3 ADA51  UL CLASSIFIED	SINGLE INLET SIDE DISCHARGE/ 8" RIGID CELLULOSE	2/ CONNECTS TO THERMOSTAT	1/3 1/2 3/4	1100 1400 1650	1 YR UNIT/ 5 YR MEDIA	HIGH EFFICIENCY, RUST FREE THERMOPLASTIC RESERVOIR; MOTOR SOLD SEPARATELY	5FTT7 75/85SD  UL LISTED*	COMMERCIAL ASPEN SIDE DRAFT	*DEPEND-ING ON INSTL.	3/4 1	CFM (IND STD) 5905 6498	1 YR UNIT/ 5 YR ORIG. COMPONENTS.	MEETS SEVERAL ASTM TEST STDS./ SINGLE POINT CONN.
2YAF2 ASA71  UL CLASSIFIED	SINGLE INLET SIDE DISCHARGE/ 8" RIGID CELLULOSE	2/ CONNECTS TO THERMOSTAT	1/2 3/4 1	1700 2000 2300	1 YR UNIT/ 5 YR MEDIA	HIGH EFFICIENCY, RUST FREE THERMOPLASTIC RESERVOIR; MOTOR SOLD SEPARATELY	5FTT6 75/85DD  UL LISTED*	COMMERCIAL ASPEN DOWN DRAFT	*DEPEND-ING ON INSTL.	3/4 1	CFM (IND STD) 6074 6085	1 YR UNIT/ 5 YR ORIG. COMPONENTS.	MEETS SEVERAL ASTM TEST STDS./ SINGLE POINT CONN.
2YAF1 ADA71  UL CLASSIFIED	SINGLE INLET SIDE DISCHARGE/ 8" RIGID CELLULOSE	2/ CONNECTS TO THERMOSTAT	1/2 3/4 1	1700 2000 2300	1 YR UNIT/ 5 YR MEDIA	HIGH EFFICIENCY, RUST FREE THERMOPLASTIC RESERVOIR; MOTOR SOLD SEPARATELY	5FTT5 14/21SD  UL LISTED*	COMMERCIAL ASPEN SIDE DRAFT	*DEPEND-ING ON INSTL.	1-1/2 2 3 5	CFM (IND. STD) 12386 13633 15606 18502	1 YR UNIT/ 5 YR ORIG. COMPONENTS.	MEETS SEVERAL ASTM TEST STDS./ SINGLE POINT CONN.
2YAE9 ASA5112  UL CLASSIFIED	SINGLE INLET DOWN DISCHARGE/ 8" RIGID CELLULOSE	2/ CONNECTS TO THERMOSTAT	1/3 1/2 3/4	1100 1400 1650	1 YR UNIT/ 5 YR MEDIA	HIGH EFFICIENCY, RUST FREE THERMOPLASTIC RESERVOIR; MOTOR SOLD SEPARATELY	F5TT4 14/21DD  UL LISTED*	COMMERCIAL ASPEN DOWN DRAFT	*DEPEND-ING ON INSTL.	1-1/2 2 3 5	CFM (IND. STD) 13245 14607 16711 19806	1 YR UNIT/ 5 YR ORIG. COMPONENTS.	MEETS SEVERAL ASTM TEST STDS./ SINGLE POINT CONN.

ALL UNITS BUILT IN USA OF DOMESTIC AND IMPORTED COMPONENTS, EXCEPT CP70, BUILT IN CHINA.

ITEM MODEL	DESCRIPTION	ITEM MODEL	DESCRIPTION	ITEM MODEL	DESCRIPTION
246M12 324007-105 	LOUVER ASSY AND PADS FITS: WC44/WC46/ WC50/4001DD	35LX47 MCP44-PAD 	REPLACEMENT PAD SET FITS MCP-44, MCP59	6FFJ7 110440 	RE-CIRCULATING PUMP 0.75A, 230 V, 240 V
246M13 324008-303 	LOUVER ASSY AND PAD SET FITS N55/65S / 500DD/SD	6FFH0 110465-9 	MOTOR: CWSE, BASE 3 HP, 3 PHASE	6FFJ9 CM120B 	PURGE PUMP, 120V "CLEAN MACHINE"
36VG06 110087 	ASPEN PAD 13 X 21 IN. FITS N28W / WCM28	6FFH1 110466-9 	MOTOR: 208 TO 230/460 VOLTS	36VG27 110441-2 	MOTOR 1/3 HP SINGLE SHAFT
36VG07 110088 	ASPEN PAD 20-1/2 X 21 IN. FITS N28W / WCM28	6FFH3 110461 	MOTOR, BASE CWSE	36VG28 110441-C 	MOTOR 1/8 HP DUAL SHAFT
36VG08 110091 	ASPEN PAD 22 X 27 IN. FITS WC37/N30S/ N31D/3000SD	6FFH5 110290 	V-BELT PULLEY,7/8" Vr PITCH 3.25" OD IRON	38G223 110423-2 	MASTERSTAT DIGITAL THERMOSTAT FOR EVAP. COOLERS
36VG10 110096 	ASPEN PAD 35 X 24-1/2 IN. FITS 75/85SD/DD	6FFH6 110291 	V-BELT PULLEY 1-1/8" Vr PITCH 3.5" O.D. IRON	36VG11 110428 	5500 CFM PUMP
24TM13 110098 	ASPEN PAD 27-1/2 X 27-3/4 IN. FITS: N40/45S N43/48D	6FFH7 110290 	V-BELT PULLEY 5/8" Vr PITCH 3.5" O.D., IRON	36VG12 110429 	7500 CFM PUMP
36VG17 110124-3 	POLYESTER PAD SET 15.5 X 24 IN. FITS MMBT12	6FFH8 110279-003 	V-BELT PULLEY 5/8" Vr PITCH 4"O.D., IRON	36VG13 110448 	3/4 HP 1 SPEED MOTOR
36VG19 110124-5 	POLYESTER PAD SET 21.5 X 27.25 IN. FITS MMBT14	6FFH9 FL-3/8 	FLOAT VALVE ASSEMBLY, WITH 3/8 CONNECTOR	36F740 110358 	BEARING WITH OIL CAP
36VG22 110132-3 	RIGID MEDIA 2 X 15-3/4 X 15 IN. FITS CP70	6FFJ0 310587 	BLEED OFF KIT, PLASTIC	35LX47 MCP44-PPK 	PURGE PUMP KIT EXCLU- SIVELY FOR MCP44 AND MCP59 COOLERS
36VG23 110133-1 	UNIVERSAL RIGID MEDIA 8 IN. DEPTH FOR SMALL COOLERS	6FFJ1 110467 	RE-CIRCULATING PUMP 1.2A, 115 V	35LX48 MCP44-EC 	PROTECTIVE EXTERNAL COVER FOR MCP SERIES COOLERS
36VG24 110133-2 	UNIVERSAL RIGID MEDIA 8 IN. DEPTH FOR LARGE COOLERS	6FFJ2 110468 	RE-CIRCULATING PUMP 0.85A, 230V	35LX49 MCP44-IC 	INTERNAL GRILLE COVER FOR MCP SERIES COOL- ERS
36VG25 110133-3 	UNIVERSAL RIGID MEDIA 12 IN. DEPTH FOR SMALL COOLERS	6FFJ3 110467-1 	RE-CIRCULATING PUMP 115 V, 1.2 A		
36VG26 110133-4 	UNIVERSAL RIGID MEDIA 12 IN. DEPTH FOR LARGE COOLERS	6FFJ4 110468-1 	RE-CIRCULATING PUMP 0.85A, 230 V		

ABOUT EVAPORATIVE COOLING

For those not familiar with hot, arid climates, evaporative cooling may sound like a new concept, but actually this is the oldest method of cooling known, going back as far as ancient Egypt. The principles in evaporative cooling are simple: changing liquid water to water vapor using the latent heat of the air, the same effect as when you step out of a swimming pool and the air cools your skin.

This simple but highly effective means of cooling can be used in your home. A fan draws the hot, dry air into the cooler where it passes through water-saturated pads and the moisturized, cooled air is dispersed into the room. Proper air flow is critical to ensure the whole interior area is adequately cooled by this method.

ADVANTAGES: This naturally green technology uses no environmentally harmful chemicals and because there is no compressor, evaporative cooling uses up to 75% less electricity than DX (refrigerated) air conditioning. Since fresh outside air is continually pulled in, there is no stale air build up inside, improving your indoor air quality. With a purge pump installed, water usage can be controlled to release periodically to maintain freshness and reduce mineral build up on the media pads. Additionally, the released water can be routed to a garden or green area increasing the advantages.

DISADVANTAGES: The biggest disadvantage of evaporative cooling is that it doesn't work everywhere. This method of cooling can only reduce air temperatures if the air is dry. In areas where relative humidity raises during the day evaporative cooling offers only limited help. In the continental US, less than half of the country is suitable for this type of cooling.

OVERALL: For all the efforts made in increasing energy efficiency, few things can rival evaporative cooling in providing cooling comfort in hot, dry areas for a low price, but if the locale and relative humidity are not within a limited range, evaporative cooling, by itself, will not be an acceptable option. An excellent solution is to use evaporative cooling in the morning when humidity is low, and DX air conditioning for the hottest part of the day. The energy bills for a mixed system will still be much lower than the DX air conditioning system alone. Choose the best of both worlds.

TYPES OF EVAPORATIVE COOLERS

Evaporative cooling technology is simple and basically consists of wind and water. The mechanisms of evaporative cooling remain the same, but size and application vary in today's market.

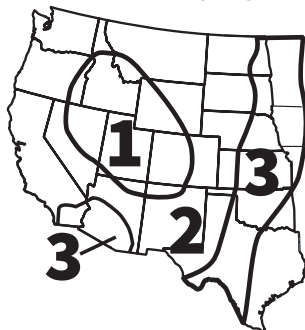
Apart from personal and portable evaporative coolers, most units are built to cool a room or whole house. Water is pumped over the media pads to keep them saturated and a blower wheel fan blows the cooled air into the duct.

There are a couple of significant design differences in the most common types of home coolers: the number of air inlets and the type of media pads. The less expensive whole house coolers have 3 or 4 louvered sides to draw in air through the saturated aspen pads, then depending on the duct configuration and placement of the unit, the cooled air is pushed out the side or directly down to the area for cooling. The motor size and pad area are the biggest factors in how much temperature cooling takes place.

The second most common type of whole house evaporative cooler is called Single Inlet style. Because air is pulled in through only one side, a larger size motor is typically used than in aspen units, producing greater air flow, measured in CFM (cubic feet per minute). These type units use a very different media pad made of several inch deep honeycomb cellulose material. This pad absorbs and retains water longer than aspen for exceptional cooling power. The combination of stronger air flow and media surface can provide saturation efficiencies up to 90%, translating into significantly lower temperatures.

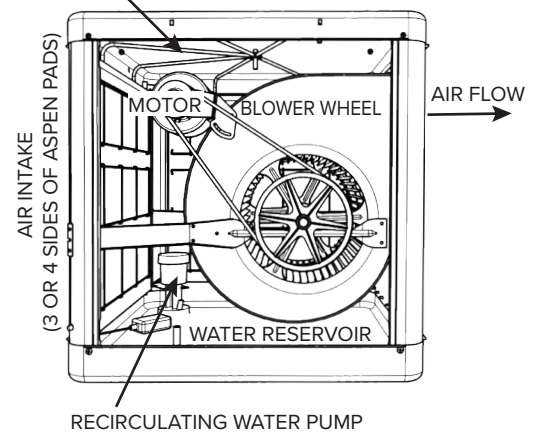
Beyond these design differences, the most important factor in determining how effective evaporative coolers will be is the geographic zone you live in:

- Zone 1 - Highly Effective
- Zone 2 - Effective
- Zone 3 - Somewhat Effective



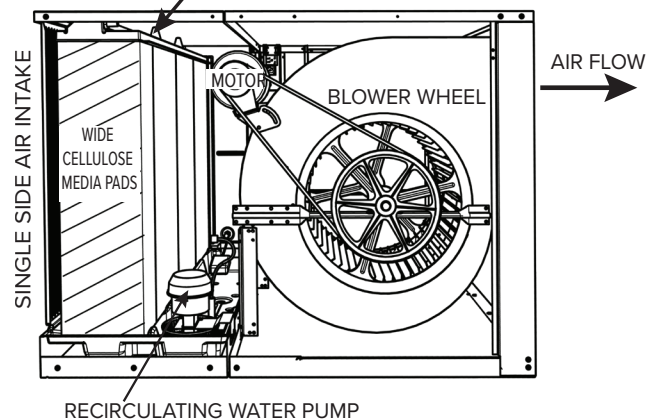
ASPEN COOLER

WATER DISTRIBUTION SYSTEM



SINGLE INLET RIGID MEDIA COOLER

WATER DISTRIBUTION SYSTEM



AVAILABLE THROUGH

GRAINGER

FOR THE ONES WHO GET IT DONE