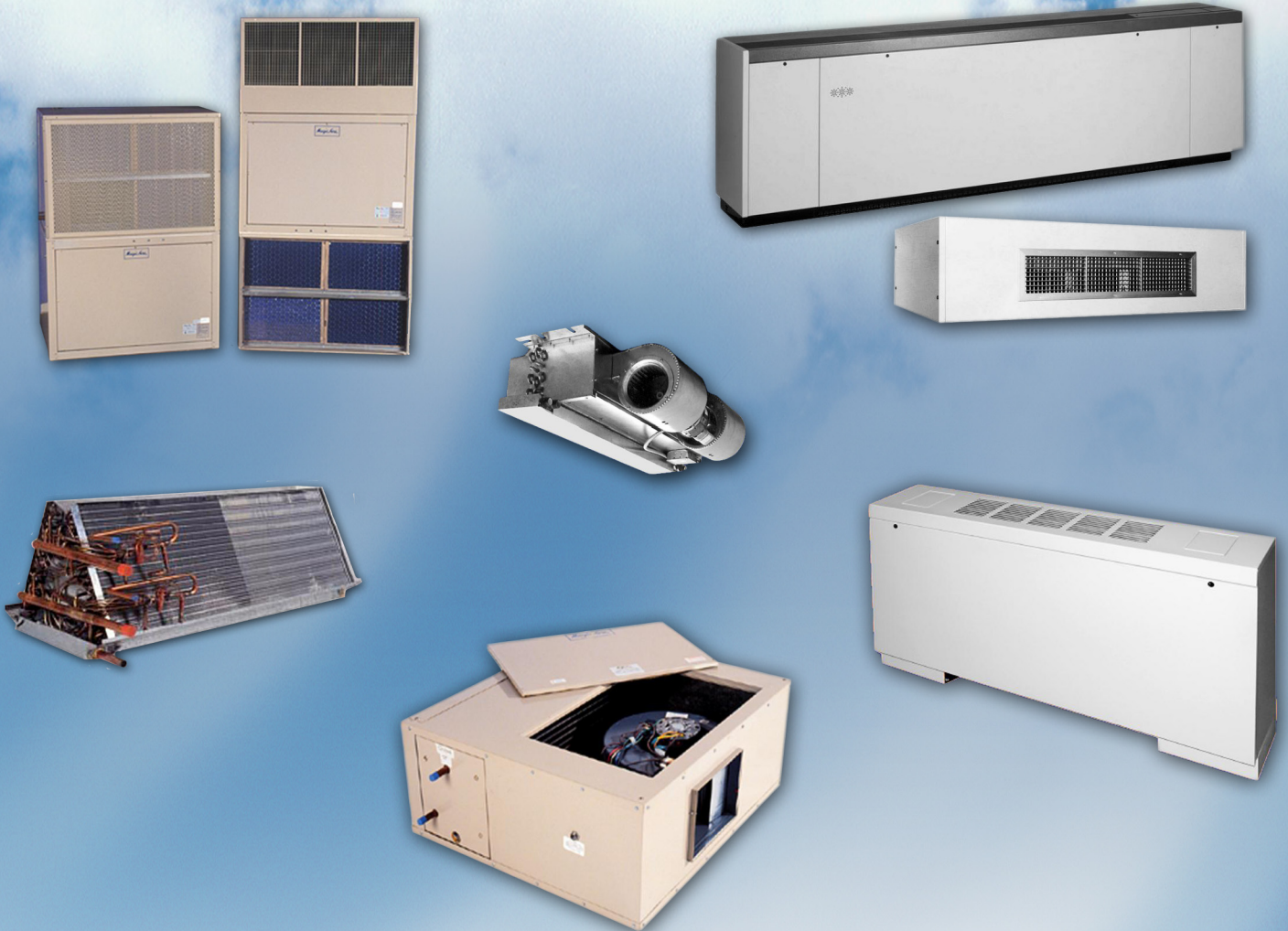


Magic Aire®



Industry **BEST LEADTIME**
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Ask your Magic Aire Representative about our New Magic 4.0 Software

UNITED ELECTRIC COMPANY, L.P.

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Magic Aire®

	Description	Family	CFM Range	Capacity Range	Coil Arrangement	Outside Air Accessory	Supply Air Disch.	Return Air / Coil	Cooling
Belt Drive Products	 Modular Air Handling Unit -Multiple arrangements for flexible installation -8 Coil Rows Available	BM	800 - 8000	2 to 20 Tons	2-Pipe 4-Pipe Preheat 4-Pipe Reheat	Mixing Box	up down horiz	horiz	w, dx
	 Horizontal Air Handling Unit -10 Coil Rows Available	HB	400 - 8000	1 to 20 Tons	2-Pipe 4-Pipe Preheat 4-Pipe Reheat	Mixing Box	horiz	horiz	w, dx
	 Rooftop Air Handling Unit	BR	800 - 8000	2 to 20 Tons	2-Pipe 4-Pipe Preheat 4-Pipe Reheat	Motorized OA Damper (MOAD) Economizer Pkg (BREP)	down horiz	up horiz	w, dx
	 Vertical Air Handling Unit	BV	800 - 4000	2 to 10 Tons	2-Pipe 4-Pipe Preheat 4-Pipe Reheat	no	up	up	w, dx
Direct Drive Products	 Direct Drive Multi-Position Vertical or Horizontal Fan Coil Unit	DU	600 - 2000	1.5 to 5 Tons	2-Pipe 4-Pipe Reheat	no	up horz-rt horz-lt	up-rt up-lt horz-rt horz-lt	w, dx
	 Direct Drive Horizontal Fan Coil Unit	DH	400 - 1000	1 to 2.5 Tons	2-Pipe 4-Pipe Reheat with field eh/hw	no	horiz	horiz	w, dx
	 Direct Drive Vertical Fan Coil Unit	DV	400 - 1000	1 to 2.5 Tons	2-Pipe 4-Pipe Reheat with field eh/hw	no	up down	up down	w, dx
	 Direct Drive Horizontal Cased Fan Coil Unit	CE	200 - 1200	0.5 to 3.0 Tons	2-Pipe 4-Pipe Reheat 4-Pipe Preheat 4-Pipe Preheat eh/cw	0-50% damper 0-100% damper	horiz	horiz	w
	 Direct Drive Horizontal Un-cased Fan Coil Unit	CH	200 - 1200	0.5 to 3.0 Tons	2-Pipe 4-Pipe Reheat cw/hw 4-Pipe Preheat el/dx 4-Pipe Preheat eh/cw	no	horiz	horiz	w, dx
	 Vertical Unit Ventilator -Floor Mounted Horizontal Unit Ventilator -Ceiling Suspended, exposed or concealed.	MAUV MAUH	500 - 1500 (vertical) 750 - 2000 (horizontal)	1 to 5 Tons	2-Pipe 4-Pipe Preheat 4-Pipe Reheat EH -Reheat only	0-80% OA (ARI 840 Certified)	up horiz	up horiz	w, dx
	 Floor Mounted Console Fan Coil -Flat top or Sloped Top	FFC FSC	200 - 1200	0.5 to 3.0 Tons	2-Pipe 4-Pipe Preheat 4-Pipe Reheat	0-25% OA damper, manual or motorized	up	up	w



Magic Aire products are packaged in accordance with ISTA requirements



Magic Aire products are ETL listed to US and Canadian safety standards.

This document o
Refer to product

Heat	Elec Heat	Max TSP	Filter Rating (max MERV)	Insul Optn	Drain Pan	VS Option	Phase	J-Box	MSS	Env. Ctrls
w, st, eh, hp	Field 5-29kW reheat	2.5	7	f, fa, c	g, s, e	Inverter Rated Motors (3-phase) Available (VFD field-provided and installed)	1, 3	Y	Y	Mixing Box Controls: 3-position or fully modulating.
w, st, eh, hp	Factory 1 to 21kW reheat	2.5	7	fa, c, dw	p, s, e		1, 3	Y	Y	Mixing Box Controls: 3-position or fully modulating.
w, st, hp	n/a	3.1	7	f, fa, c, dw	g, s		1, 3	Y	N	ep incl logic module, enthalpy sensor, mixed air sensor
w, st, eh, hp	Field 5-21kW reheat	2.7	7	fa, c, dw	p, g, s, e		1, 3	Y	Y	
w, eh, hp	Factory/Field 3-20kW reheat	0.5 ESP	ta	f	g, s, e	3-speed PSC	1	Y	N (24V fan relay incl)	multi-function pump/boiler, aquastat, HW low limit, DX time delay
w, eh, hp	Field 1-10kW reheat	0.5 ESP	ta	f	g, s, e	ECM, e	1	Y	N	
w, eh, hp	Field 1-10kW reheat	0.5 ESP	ta	f	g, s, e	ECM, e	1	Y	N	
w, eh	Factory 1.5 to 10kW reheat	0.6 ESP	ta	f	g, s	3-speed PSC	1	Y	N	24v Fan ctrl, timer, Svc disc. switch
w, eh	Factory 1.5 to 10kW reheat	0.6 ESP	ta	f	g, s	3-speed PSC	1	Y	N	24v Fan ctrl, timer, Svc disc. switch
w, st, hp, eh, e	Factory 4.2 to 24kW reheat / preheat	0.5 ESP	4, 7, e	c	g, s	ECM- constant torque ECM-0- 10VDC Variable	1,3	Disc. Switch	n/a	none; DDC ready; DDC: BACNet, LonTalk; valve or face & bypass controlled
w	n/a	0.0 ESP (Free Discharge)	ta	c	s/p	3-speed PSC	1	Disc. Switch	n/a	tstat-ready, wall mounted tstat, 2 or 4-pipe valve control

Misc Specifications:
 Factory Installed
 R-22 Heat Pump
 R-410A Heat Pump
 Hot Water to 180F
 Steam to 6 psig
 Not all options available with
 all unit combinations.

Legend:

- c = closed cell
- d = down flow
- dd = direct drive
- dw = double wall,
not thermal break
- dx = refrigerant
- e = exceptions, check price
pages or software for
specific combination
restrictions
- ECM = electrically commutated
motor
- eh = electric heat accessory
or option
- ep = economizer package
- ESP = external static pressure
- f = fiber insulation
- fa = fiber with antimicrobial
insulation
- fb = face and bypass
- fs = face split dx
- g = galvanized drain pan
- horiz = horizontal
- hp = heat pump
- mb = mixing box
- moad = motorized outside
air damper
- p = poly drain pan
- s = stainless steel drain pan
- st = steam
- ta = throw-away
- up = upflow
- w = water

**Product data subject to change without
notice. Refer to Magic Aire Terms and
Conditions of Sale, including All Products
Limited Warranty.**

**Does not provide full technical specifications.
data & software for equipment selection.**

Family

		HB	BV	BM	BR	DU	DH	DV	CE	CH	MAUV/ MAUH	FFC/ FSC
	Supply Plenum (Double Deflection Grille)	Y, e	Y, e	Y, e	no	no	no	no	no	no	Y (integral)	no
	Return Plenum -HB and BM: Expanded Metal Grille. -BV: Solid Box - field cut openings.	Y, e	Y, e	Y, e	no	no	no	no	no (integral return grille option)	no (factory return plenum option)	no	no
	Mixing Box (Fully Modulating or 3-position economizer controls optional)	Y, e	Y, e	Y, e	no (see Economizer)	no	no	no	no (integral mixing damper option)	no	no (integral OA damper standard)	no (integral OA damper option)
	Motor Start/Stop Station (MSS) (Non-Fused Disconnect, motor starter with overloads, 24V control transformer, terminal strip, enclosure, factory mounted)	Y, e	Y, e	Y, e	no	no (Integral 24V controls standard)	no	no	no (Integral 24V controls option)	no (Integral 24V controls option)	no (multiple ASHRAE Cycle controls options)	no (integral 24V controls option)
	Spring Isolator Kits (Spring-type suspension isolators, sized for unit alone or unit with Mixing Box)	Y	no	Y	no (fan sled internally isolated)	no	no	no	no	no	no (internally isolated dd fan motor mounting)	no (internally isolated dd fan motor mounting)
	Motorized Outside Air Damper (Motorized damper for zero to 100% outside air flow - BR Rooftop Unit only)	no (see Mixing Box)	no	no	Y	no	no	no	no	no	no	no
	Economizer (Upflow or Horizontal return air Economizer with single enthalpy controls for energy saving free cooling - BR Rooftop Unit only)	no	no	no	Y	no	no	no	no	no	no	no
	Thermal Expansion Valves (Threaded for flexible application and field service - Direct Drive units only)	no (sweat cnx std)	no (sweat cnx std)	no (sweat cnx std)	no (sweat cnx std)	Y	Y	Y	Y	Y	no (sweat cnx std)	no (DX not available)
	Leg Kits (Field installed for convenient unit support - Vertical discharge units only)	no	Y	Y	no	no	no	Y	no	no	no	no

Common Accessories

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