

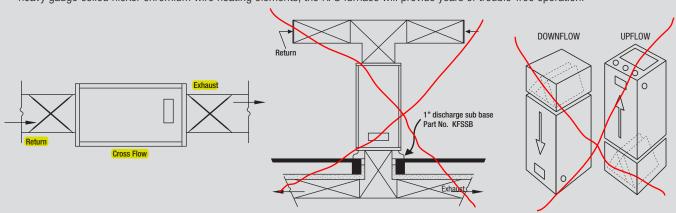


- Heavy duty open-coil element
- Direct drive motor
- Up to 3-speed motor
- Standard 24 Volt control
- Horizontal or vertical mount
- Insulated discharge cabinet
- Baked enamel finish
- Fan relay
- Silent contactors
- Sequenced elements
- Dual inlet blower
- 60 Amp disconnect protection (KFS)
- Manual reset limit on 20 kW and larger
- Welded galvanized steel construction
- Thermally protected motor
- Replaceable filter
- Mobile home approved



The KFS Series Electric Furnace

The KFS Series furnace is the quietest and most compact unit available in its class. Ideal for residential applications, and yet powerful enough for commercial and process heating applications as well. It's the perfect choice for both new and replacement installations. The compact design allows it to be installed in either upflow, downflow or horizontal applications. Featuring a maintenance free blower, an insulated cabinet for quiet operation, and heavy gauge coiled nickel-chromium wire heating elements, the KFS furnace will provide years of trouble-free operation.



Engineering Specifications

Contractor shall supply and install KFS Series electric furnaces manufactured by King Electrical Mfg. Company. Furnaces shall be of the wattage and voltage as indicated on the plans.

Overcurrent Protection: 208 and 240 volt KFS models have 6

Transformer: Each furnace is equipped with a heavy-duty low voltage (24 Volt) transformer for the thermostat control circuit.

Contactor or Time Delay Sequencer: Actuates heating element banks at random intervals to minimize electrical surges in compliance with E.E.I. and N.E.M.A. standards.

Heating Elements: Quick heating, long life Ni-Chrome elements are sized to provide proper watt density for maximum heat dissipation by fan-forced air convection currents.

Terminal Block: For field wiring (optional special order) KFSTB **Air Filter:** Convenient access for replacement of standard 16" x 20" x 1" filter.

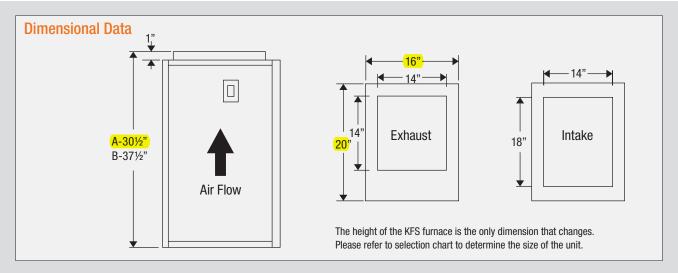
Overcurrent Protection: 208 and 240 volt KFS models have 60 amp circuit breakers. 480, 208 and 240 volt KF models have terminal blocks. Internal 60 amp fusing is provided for KF models over 48 amps.

Limit Control: Integral automatic high temperature limit control in each heating element bank prevents the delivery of air at unsafe temperatures. 20-35 kW use a manual reset limit control to completely shut the furnace off should an over temperature occur.

Fan Relay: Heavy-duty dual speed fan relay is standard with furnaces for air conditioning or summer fan operation.

Low Voltage Terminal Block: 24 Volt control screw terminals **Approvals:** UL (E48864)





Accessories

MODEL	UPC	DESCRIPTION	WEIGHT(lbs.)
KFS-4PJB	20185	* 4-Pole Jumper Bar - 15kW to 20kW	.05
KFS-6PJB	20184	* 6-Pole Jumper Bar - 25kW to 30kW	.05
KFSSB	20182	1" discharge sub base	5
KFS-Q02C	20181	Small Cooling Cabinet 16" L x 22" W x 19½" H - 13 lbs.	25
KFS-Q03C	20180	Large Cooling Cabinet 18" L x 22" W x 19½" H - 15 lbs.	25
KFS-DT	20186	Transition from 14" x 14" Outlet to 12" round	25

^{*} For single strike connection

DIMENSIONAL CLEA	DIMENSIONAL CLEARANCE						
Cabinet Sides	1 in.						
Cabinet Front	0 in.						
Exhaust duct within 3 feet of furnace	1 in.						
Return Air Plenum	0 in.						

Options

ADD SUFFIX:	DESCRIPTION
-JB	15 kW to 30 kW, 1-Phase
-1/3HP	1/3 HP Motor & Blower - 3 kW to 18 kW
-1/2HP	1/2 HP Motor & Blower - 3 kW to 35 kW
-2S1	Two Stage Control, 1-Phase Models
	(see quick selection guide)
-2S3	Two Stage Control, 3-Phase Models
	(5 kW increments only)
*-3S1	Three Stage Control, 1-Phase Models
-1/5 ECM	1/5 hp Electronically Controlled Motor
-1/3 ECM	1/3 hp Electronically Controlled Motor

Factory Installed Options

Q02C

ADD SUFFIX:	DESCRIPTION
-DS40	40 Amp, 3-Pole Disconnect Switch w/ Padlock Provision
-DS60	60 Amp, 3-Pole Disconnect Switch w/ Padlock Provision
-DS80	80 Amp, 3-Pole Disconnect Switch w/ Padlock Provision

Air Flow Chart

MOTOR			MOTOR	SPEED					
HP	MOTOR	LOAD	LO	W	ME	D	HIGH		
(rpm)	VOLTAGE	AMPS	CFM	FPM	CFM	FPM	CFM	FPM	
1/5 (1075 rpm)	230 380 / 460 ¹	3.4 1.7	775	570	860	630	1000¹	735	
1/3 (1075 rpm)	230 380 / 460 ²	3.2 1.7	1100 ²	810	1250	920	1540²	1130	
1/2 (1075 rpm)	230 380 / 460 ²	3.8 1.9	1250	920	1540	1130	1750³	1285	
MOTOR WIRE COLOR RED BLUE BLACK									
*Air Volume	*Air Volume = Cubic Feet Per Minute (CFM)								
¹ Single spe	ed only ² Lov	v & High sp	eed only	³ High sp	eed only				

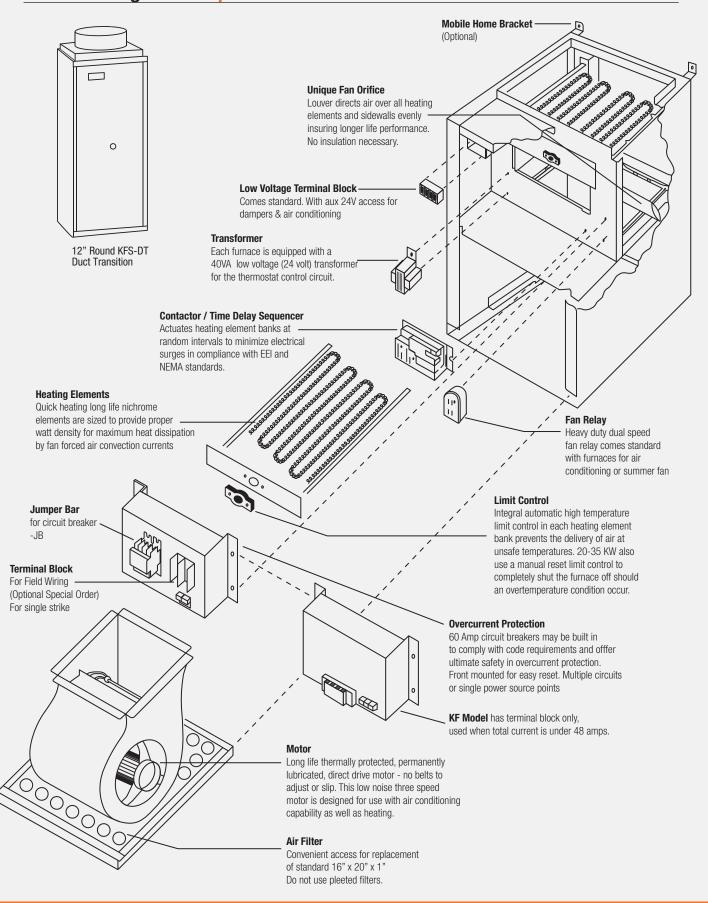
 LENGTH
 WIDTH
 HEIGHT
 WEIGHT

 Q02C
 16
 22
 19.5
 13

 Q03C
 18
 22
 19.5
 15



Internal Diagram - exploded view





Ordering Information

						CIRC	UIT PE	ROTEC	TION	75°	C WIF	RE SIZ	ING		МОТ	OR	TEMP	ERATUR	E RISE		
MODEL	PHASE	KILO WATTS	BTU (000)	VOLTS	*AMPS	L1 L2	L3 L4	L5 L6	L7 L8	L1 L2	L3 L4	L5 L6	L7 L8	# OF ELEMENTS	VOLTS	НР	LOW	MED.	HIGH	HEIGHT	WT.
KFS2003-1	1	3	10.2	208	17.8	20	L4	LO	LO	#10	L4	LO	LO	1	208	1/5	12°	11°	9°	30½"	57
KFS2404-1	1	4	13.6	240	20	20				#10				1	240	1/5	16°	15°	13°	30½"	57
KFS2005-1	1	5	17.1	208	27.2	40				#8				1	208	1/5	20°	18°	16°	30½"	57
KFS2405-1	1	5	17.1	240	24.2	30				#10				1	240	1/5	20°	18°	16°	30½"	57
KF4805-1	1	5	17.1	480	12.1	15				#14				1	480	1/5	20°	18°	16°	30½"	57
KFS2006-1	1	6	20.5	208	32.2	40				#8				2	208	1/5	24°	22°	19	30½"	57
KFS2408-1	1	8	27.3	240	37	50				#6				2	240	1/5	32°	30°	25°	30½"	65
KFS2010-1	1	10	34.1	208	51.4	60				#6				2	208	1/5	41°	37°	32°	30½"	65
KFS2410-1	1	10	34.1	240	45	60				#6				2	240	1/5	41°	37°	32°	30½"	65
KF4810-1	1	10	34.1	480	22.5	30				#10				2	480	1/5	41°	37°	32°	30½"	65
KFS2412-1	1	11.5	39.2	240	51.3	40	30			#8	#10			2	240	1/5	47°	42°	36°	30½"	65
KF4812-1	1	11.5	39.2	480	25.7	40				#8				2	480	1/5	47°	42°	36°	30½"	65
KFS2015-1	1	15	51.2	208	75.5	40	60			#8	#6			3	208	1/5	61°	55°	47°	30½"	74
KFS2415-1	1	15	51.2	240	65.9	30	60			#10	#6			3	240	1/5	61°	55°	47°	30½"	74
KF4815-1	1	15	51.2	480	32.9	50	60			#6	ще			3	480	1/5	61°	55°	47°	30½"	74
KFS2418-1 KF4818-1	1	17.25 17.25	58.8 58.8	480	75.2 37.6	50	60			#8	#6			3	240 480	1/5	70°	63°	55° 55°	30½"	74
KFS2020A-1	1	20	68.3	208	99.5	60	60			#6	#6			4	208	1/5	81°	73°	63°	37½"	76
KFS2420A-1	1	20	68.3	240	86.7	60	60			#6	#6			4	240	1/5	81°	73°	63°	37½"	76
KF4820A-1	1	20	68.3	480	43.4	60	- 00			#6	110			4	480	1/5	81°	73°	63°	37½"	76
KFS2020-1	1	20	68.3	208	99.4	60	60			#6	#6			4	208	1/3	57°	51°	41°	37½"	76
KFS2420-1	1	20	68.3	240	86.5	60	60			#6	#6			4	240	1/3	57°	51°	41°	37½"	76
KF4820-1	1	20	68.3	480	43.4	60				#6				4	480	1/3	57°	51°	41°	37½"	76
KFS2422-1	1	22.5	76.8	240	96.9	60	60			#6	#6			4	240	1/3	57°	51°	41°	37½"	76
KF4822-1	1	22.5	76.8	480	48.6	60				#6				4	480	1/3	57°	51°	41°	37½"	76
KFS2025-1	1	25	85.3	208	123.4	30	60	60		#10	#6	#6		5	208	1/3	72°	63°	51°	37½"	81
KFS2425-1	1	25	85.3	240	107.4	30	60	60		#10	#6	#6		5	240	1/3	72°	63°	51°	37½"	81
KF4825-1	1	25	85.3	480	53.8	20	60			#12	#6			5	480	1/3	72°	63°	51°	37½"	81
KFS2030-1	1	30	102.4	208	147.4	60	60	60		#6	#6	#6		6	208	1/3	86°	76°	62°	37½"	85
KFS2430-1	1	30	102.4	240	128.2	60	60	60		#6	#6	#6		6	240	1/3	86°	76°	62°	37½"	85
KF4830-1	1	30	102.4	480	65.7	30	60	60	60	#10	#6	110	110	6	480 240	1/3	86°	76° 87°	62°	37½"	85
KFS2435-1 KF4835-1	1	34.5	117.7	240 480	73.6	15 40	60	60	60	#14	#6	#6	#6	6	480	1/3	99°	87°	71°	37½"	85 85
NI 4000-1	'			400	73.0			I Rotec	ואחודי	- 1	C WIF	E CI7	INC		MOT			ERATUR		3172	
MODEL	PHASE	KILO WATTS	BTU (000)	VOLTS	*AMPS			2 / L3			L1 / L			# OF ELEMENTS	VOLTS		LOW	MED.	HIGH	HEIGHT	WT.
KFS2405-3	3	5	17.1	240	15.4		20		,		ـ ۱ / ۱ـ #1			1	240	1/5	20°	18°	16°	30½"	57
KF4805-3	3	5	17.1	480	7.7		10				#1			1	480	1/5	20°	18°	16°	30½"	57
KFS2009-3	3	9	30.7	208	28.3		40				#8			3	208	1/5	37°	33°	28°	30½"	74
KFS2410-3 KF4810-3	3	10	34.1 34.1	240 480	27.4 13.7		40 20				#8			2	240 480	1/5	41° 41°	37°	32°	30½"	74 74
KFS2012-3	3	11.25	38.4	208	34.6		40				#8			3	208	1/5	46°	37° 41°	35°	30½"	74
KFS2412-3	3	12	40.9	240	32.3		40				#8			3	240	1/5	47°	42°	36°	30½"	74
KF4812-3	3	12	40.9	480	16.1		20				#1			3	480	1/5	47°	55°	36°	30½"	74
KFS2015-3 KFS2415-3	3	15 15	51.2 51.2	208	43.5 45		60 50				#6			3	208	1/5	61°	55°	47° 47°	30½"	74 74
KF4815-3	3	15	51.2	480	21.4		30				#1			3	480	1/5	61°	55°	47°	30½"	74
KFS2418-3	3	17.25	58.8	240	44.8		60				#6			3	240	1/5	70°	63°	55°	30½"	74
KF4818-3	3	17.25	58.8	480	22.4		40				#8			3	480	1/5	70°	51°	55°	30½"	74
KFS2420-3 KF4820-3	3	20	68.3 68.3	240 480	51.3 25.7		70 30				#6			4	240 480	1/3	57°	51°	41° 41°	37½" 37½"	76 74
KFS2022-3	3	22.5	76.8	208	65.5		10				#3			6	208	1/3	64°	56°	46°	37½"	85
KFS2424-3	3	24	81.6	240	60.9		75				#4			6	240	1/3	69°	61°	49°	37½"	85
KF4824-3	3	24	81.6	480	30.5		50				#6			6	480	1/3	69°	61°	49°	37½"	85
KFS2425-3	3	25	85.3	240	63		75				#4			5	240	1/3	72°	63° 63°	51°	37½"	85
KF4825-3 KFS2030-3	3	25 30	85.3 102.4	480 208	32 86.5		50 11				#6			5 6	480 208	1/3	72° 86°	76°	51° 62°	37½" 37½"	85 85
KFS2430-3	3	30	102.4	240	75.3		10				#3			6	240	1/3	86°	76°	62°	37½"	85
KF4830-3	3	30	102.4	480	37.3		50)			#6	6		6	480	1/3	86°	76°	62°	37½"	85
																	1 000	0.70		0.71/11	I OF
KFS2435-3 KF4835-3	3	34.5 34.5	117.7 117.7	240 480	86.2 43		11 60				#2			6	240 480	1/3	99°	87° 87°	71° 71°	37½" 37½"	85 85

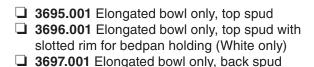


PRIOLO® FloWise® 16-1/2" HEIGHT ELONGATED FLUSHOMETER TOILET VITREOUS CHINA with EVERCLEAN®

BARRIER FREE

PRIOLO FloWise® 16-1/2" HEIGHT ELONGATED TOILET with EVERCLEAN®

- Floor mount elongated rear outlet flushometer valve toilet
- · Vitreous china
- High Efficiency, Low Consumption. Operates in the range of 1.1 gpf to 1.6 gpf (4.2 Lpf to 6.0 Lpf)
- Meets definition of HET (High Efficiency Toilet) when used with a high efficiency flush valve (1.28 gpf or 1.6 / 1.1 gpf dual flush)
- Permanent EverClean® surface inhibits the growth of stain- and odor-causing bacteria, mold, and mildew on the surface
- 16-1/2" rim height for accessible application
- Condensation channel
- Powerful direct-fed siphon jet action
- Fully glazed 2-1/8" trapway
- 1-1/2" inlet spud
- 2 bolt caps
- 100% factory flush tested



System MaP* Score:

- 1,000 grams of miso @ 1.6 gpf or 1.28 gpf when used with an American Standard flush valve
 - * Maximum Performance (MaP) testing performed by IAPMO R&T Lab. MaP Report conducted by Veritec Consulting, Inc. and Koeller and Company.

Component Parts:

- 047007-0070A Inlet spud (furnished with bowl)481310.XXX0A Bolt caps with retainers
- 481310.XXXVA Bolt caps with retainers (furnished with bowl)

Nominal Dimensions:

752 x 356 x 419mm (29-5/8" x 14" x 16-1/2")

Recommended working pressure—between 25 psi at valve when flushing and 80 psi static

Fixture only, less seat and flushometer valve

Compliance Certifications -

Meets or Exceeds the Following Specifications:

 ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures



MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES - CHECK LOCAL CODES.



SEE REVERSE FOR ROUGHING-IN DIMENSIONS

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- ☐ Color: ☐ White ☐ Bone ☐ Linen
- ☐ Seat:
 - ☐ American Standard #5901.110 Heavy duty open front less cover with EverClean® surface
 - ☐ American Standard #5905.110 Extra heavy duty open front less cover with EverClean® surface
- □ Alternative Seat:
- ☐ Flushometer Valve:
 - **□** 1.6 qpf:
 - □ Sensor-Operated: American Standard Selectronic® DC Power #6065.161.002 (Top Spud)
 - Sensor-Operated: American Standard Selectronic® AC Power #6067.262.002 (Back Spud)
 - ☐ Manual: American Standard #6047.161.002 (Top Spud)
 - 1.28 gpf:
 - □ Sensor-Operated: American Standard Selectronic® DC Power #6065.121.002 (Top Spud)
 - □ Sensor-Operated: American Standard Selectronic® AC Power #6067.222.002 (Back Spud)
 - ☐ Manual: American Standard #6047.121.002 (Top Spud)
 - ☐ 1.6 / 1/1 gpf Dual Flush:
 - Sensor-Operated: American Standard Selectronic®
 DC Power #6065.761.002 (Top Spud)





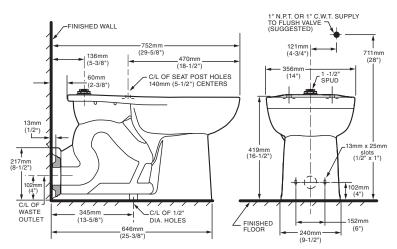


PRIOLO® FloWise® 16-1/2" HEIGHT ELONGATED FLUSHOMETER TOILET

VITREOUS CHINA with EVERCLEAN®

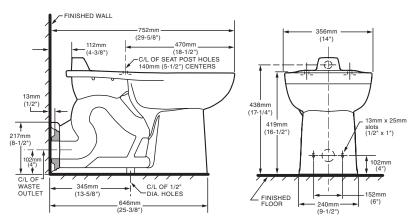
& BARRIER FREE

3695.001/3696.001



DIMENSIONS (Nominal) NOTE: Distance from floor to closet flange centerline (rough-in) must be 4" (102 mm) with flange surface flush to 1/16" (1.6mm) max. beyond finished wall.

3697.001



DIMENSIONS (Nominal) NOTE: Distance from floor to closet flange centerline (rough-in) must be 4" (102 mm) with flange surface flush to 1/16" (1.6mm) max. beyond finished wall.

NOTES:

PRODUCTS 3695 SHOWN, 3696 SAME AS EXCEPT WITH SLOTTED RIM FOR BED PAN HOLDING.

TO COMPLY WITH AREA CODE GOVERNING THE HEIGHT OF VACUUM BREAKER ON THE FLUSHOMETER VALVE, THE PLUMBER MUST VERIFY DIMENSIONS SHOWN FOR SUPPLY ROUGHING. FLUSHOMETER VALVE NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY. FLUSHOMETER VALVE REQUIREMENTS FOR 12" (305MM) ROUGH-IN: SWEAT EXTENSION NIPPLE IS REQUIRED. REFER TO VALVE MANUFACTURER AND LOCAL CODES.

IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.



WELL-X-TROL

Diaphragm Well Tanks: WX-100, 200 and 300 Series

150 PSIG Working Pressure

Construction

Shell	High Strength Steel
Diaphragm	Heavy Duty Butyl
Liner	Antimicrobial
System Connection	Stainless Steel
Finish	Tuf-Kote™ HG Blue
Water Circulator	Turbulator™
Air Valve	Projection Welded
Factory Precharge	38 PSIG (2.6 bar)

Performance

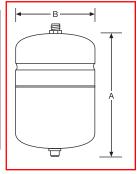
Maximum Operating Temperature	200°F (93°C)
Maximum Working Pressure	150 PSIG (10.3 bar)
Maximum Relief Valve Setting	125 PSIG (8.6 bar)
Warranty	7 Year

Application

- Controls pump cycling in residential well water systems.
- Can be installed indoors or outdoors.

In-Line Models

Model Number		nk ume	Max. Acceptance Factor		A Height		B viameter	System Connection (NPTM)		ping ight
	Gal	Lit	1 actor	In	mm	In	mm	In	Lbs	Kg
WX-101	2.0	8	0.45	13	330	8	203	3/4	5	2
WX-102	4.4	17	0.55	15	381	11	279	3/4	9	4
WX-103	7.6	29	0.43	22	559	11	279	3/4	15	7
WX-104	10.3	39	1.00	18	457	15	381	1	20	9
WX-200	14.0	53	0.81	22	559	15	381	1	22	10

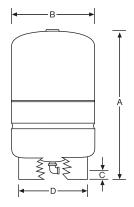


Available in gray. Use suffix G.

2x

Stand Models

Model Number	Tank Volume		Max. Accept. Factor	, Tank I	\ Height	E Tank Di			C Conn. Iterline) Diameter	System Conn. (NPTM)		ping ight
	Gal	Lit	1 actor	In	mm	In	mm	In	mm	In	mm	In	Lbs	Kg
WX-201	14.0	53	0.81	25	635	15	381	119/32	40	12	304	1	25	11
WX-202	20.0	76	0.57	32	813	15	381	119/32	40	12	304	1	32	15
WX-202XL	26.0	98	0.44	39	991	15	381	119/32	40	12	304	1	39	18
WX-203	32.0	121	0.35	47	1194	15	381	119/32	40	12	304	1	47	21
WX-205	34.0	129	1.00	30	762	22	559	115/16	49	20½	521	11/4	57	26
WX-250	44.0	167	0.77	36	914	22	559	115/16	49	20½	521	11/4	65	29
WX-251	62.0	235	0.55	47	1194	22	559	115/16	49	20½	521	11/4	87	39
WX-255	81.0	306	0.41	57	1448	22	559	115/16	49	20½	521	11/4	109	49
WX-252*	86.0	326	0.39	62	1575	22	559	115/16	49	20½	521	11/4	107	49
WX-302	86.0	326	0.54	47	1194	26	660	21/16	52	20½	521	11/4	106	48
WX-350	119.0	450	0.39	62	1575	26	660	21/16	52	20½	521	11/4	146	66



*WX-252: Maximum Working Pressure: 100 PSIG. Available in Blue only. Available in Tan and Gray. Use suffix T or G.

Job Name	Notes
Engineer	
Contractor	
P.O. No.	
Sales Rep.	
Model No.	















WELL-X-TROL®

Diaphragm Well Tanks: WX-100, 200 and 300 Series with DuraBase®

150 PSIG Working Pressure

Construction

Shell	High Strength Steel
Diaphragm	Heavy Duty Butyl
Liner	Antimicrobial
System Connection	Stainless Steel
Finish	Tuf-Kote™ HG Blue
Water Circulator	Turbulator™
Air Valve	Projection Welded
Factory Precharge	38 PSIG (2.6 bar)

Performance

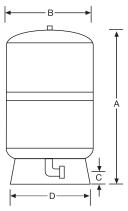
Maximum Operating Temperature	200°F (93°C)
Maximum Working Pressure	150 PSIG (10.3 bar)
Maximum Relief Valve Setting	125 PSIG (8.6 bar)
Warranty	7 Year

Application

- Controls pump cycling in residential well water systems.
- · Can be installed indoors or outdoors.
- DuraBase stand is rugged and will never corrode. Patented.

Stand Models

Tank Model Volume Number			Max. Accept. Tank Height		B Tank Diameter		C Sys. Conn. Centerline		D Stand Diameter		System Conn. (NPTM)	Shipping Weight		
	Gal	Lit	Factor	In	mm	In	mm	In	mm	In	mm	In	Lbs	Kg
WX-201D	14.0	53	0.81	25	635	15	381	111/16	43	15%	391	1	25	11
WX-202D	20.0	76	.057	32	813	15	381	111/16	43	15%	391	1	32	15
WX-202XLD	26.0	98	0.44	39	991	15	381	111/16	43	15%	391	1	39	18
WX-203D	32.0	121	0.35	47	1194	15	381	111/16	43	15%	391	1	47	21
WX-205D	34.0	129	1.00	30	762	22	559	2	51	22	559	11/4	57	26
WX-250D	44.0	167	0.77	36	914	22	559	2	51	22	559	11/4	65	29
WX-251D	62.0	235	0.55	47	1194	22	559	2	51	22	559	11/4	87	39
WX-255D	81.0	306	0.41	57	1448	22	559	2	51	22	559	11/4	109	49
WX-302D	86.0	326	0.54	47	1194	26	660	2	51	22	559	11/4	106	48
WX-350D	119.0	450	0.39	62	1575	26	660	2	51	22	559	11/4	146	66



Available in Tan and Gray. Use suffix T or ${\sf G}.$

Job Name	Notes
Engineer	
Contractor	
P.O. No.	
Sales Rep.	
Model No.	















WELL-X-TROL®

Diaphragm Well Tanks: Underground, Wall Hung and Pump Stand Series

150 PSIG Working Pressure

Construction

Shell	High Strength Steel
Diaphragm	Heavy Duty Butyl
Liner	Antimicrobial
System Connection	Stainless Steel
Finish	Tuf-Kote™ HG Blue
Water Circulator	Turbulator™
Air Valve	Projection Welded
Factory Precharge	38 PSIG (2.6 bar)

Performance

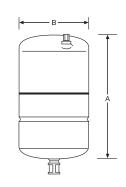
Maximum Operating Temperature	200°F (93°C)
Maximum Working Pressure	150 PSIG (10.3 bar)
Maximum Relief Valve Setting	125 PSIG (8.6 bar)
Warranty	7 Year

Application

• Controls pump cycling in residential well water systems.

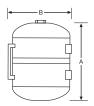
Undergound Models (BLACK)

ondoigodia modolo (BE/1011)												
Model Number			Max. Acceptance Factor		A Height		B Diameter	System Connection (NPTM)	Ship Wei			
	Gal	Lit	Factor	In	mm	In	mm	In	Lbs	Kg		
WX-200UG	14	53	0.81	23	584	15	381	1	22	10		
WX-202UG	20	76	0.57	30	762	15	381	1	30	14		
WX-250UG	44	167	0.77	33	838	22	559	11/4	60	27		
WX-251UG	62	235	0.55	44	1118	22	559	11/4	83	38		



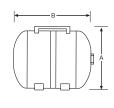
Wall Hung Model for VFD Systems

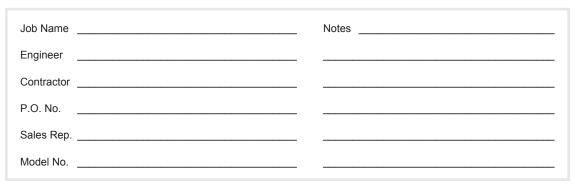
Model Number		ink ume	Max. Acceptance Factor	Tank	A Height	E Tank D	3 iameter	System Connection (NPTM)	Shipping Weight	
	Gal	Lit	Facioi	In	mm	In	mm	In	Lbs	Kg
WX-102VFD	4.4	17	0.55	15	381	12	305	3/4	13	6



Pump Stand Models

Model Number			Max. A Acceptance Tank Height			3 Width	System Connection (NPTM)	Shipping Weight		
	Gal	Lit	Factor	In	mm	In	mm	In	Lbs	Kg
WX-102PS	4.4	17	0.55	12	305	15	381	3/4	13	6
WX-105PS	5.3	20	0.80	12	305	18	457	3/4	15	7
WX-110PS	7.4	28	0.56	12	305	23	584	3/4	18	8
WX-200PS	14.0	53	0.81	16	406	22	559	1	29	13
WX-202PS	20.0	76	0.57	16	406	30	762	1	35	16
WX-202H	20.0	76	0.57	16	406	30	762	1	33	15



















WELL-X-TROL®

Diaphragm Well Tanks: WX-200PA and WX-300PA Series with PRO ACCESS®

150 PSIG Working Pressure

Construction

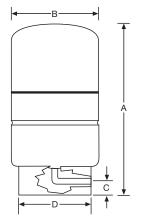
Shell	High Strength Steel
Diaphragm	Heavy Duty Butyl
Liner	Antimicrobial
System Connection	Stainless Steel NPTF
Finish	Tuf-Kote™ HG Blue
Water Circulator	Turbulator™
Air Valve	Projection Welded
Factory Precharge	38 PSIG (2.6 bar)

Performance

Maximum Operating Temperature	200°F (93°C)
Maximum Working Pressure	150 PSIG (10.3 bar)
Maximum Relief Valve Setting	125 PSIG (8.6 bar)
Warranty	7 Year

Application

- Controls pump cycling in residential well water systems.
- · Can be installed indoors or outdoors.
- PRO ACCESS provides piped to stand convenience for faster installation.



Stand Models

Tank Model Volume Number		Max. Accept. Factor	ccept. Tank Height			B Tank Diameter		C Sys. Conn. Centerline) liameter	System Conn. (NPTF)		pping ight	
	Gal	Lit	1 40101	In	mm	In	mm	In	mm	In	mm	In	Lbs	Kg
WX-202PA	20.0	76	0.57	32	813	15	381	119/32	40	12	304	1	33	15
WX-202XLPA	26.0	98	0.44	39	991	15	381	119/32	40	12	304	1	40	18
WX-203PA	32.0	121	0.35	47	1194	15	381	119/32	40	12	304	1	48	22
WX-205PA	34.0	129	1.00	30	762	22	559	115/16	49	12	304	11/4	59	27
WX-250PA	44.0	167	0.77	36	914	22	559	115/16	49	20½	521	11/4	67	30
WX-251PA	62.0	235	0.55	47	1194	22	559	115/16	49	20½	521	11/4	88	40
WX-255PA	81.0	306	0.41	57	1448	22	559	115/16	49	20½	521	11/4	111	50
WX-302PA	86.0	326	0.54	47	1194	26	660	21/16	52	20½	521	11/4	108	49
WX-350PA	119.0	450	0.39	62	1575	26	660	21/16	52	20½	521	11/4	148	67

Available in Tan and Gray. Use suffix T or G.

Job Name	Notes
Engineer	
Contractor	
P.O. No	
Sales Rep.	
Model No.	













PERFORMANCE[™]



The new degree of comfort.™

PERFORMANCE™ tankless electric water heaters offer continuous hot water quick and on demand for single point-of-use or multiple applications

Performance Features Appl

- On demand, consistent and endless hot water
- Compact and stylish with digital temperature control in increments of 1°F ranging from 80°F to 140°F*
- 99.8% Energy efficient
- Robust copper immersion heating elements with brass top increases durability and are threaded for easy replacement
- Simple Installation
- Digital temperature display
- External controls to adjust temperature in increments of 1°F*

Applications

- Whole-Home up to 6 GPM
- Water-Saver Shower Head 1.5 GPM
- Standard Shower Head 2.0 GPM
- Standard Hand Sink 0.5 GPM
- Kitchen Sink 1 to 2 GPM
- Bath Tub ≥ 4 GPM
- Dishwasher 1 to 2 GPM
- Washing Machine 1 to 1.5 GPM Average Gallons Per Minute (GPM) based on 2010 Plumbing Standards

Warranty

5-Year heating chamber and 1-year parts limited warranty

See written warranty for complete details

*RETEX-04 and RETEX-06 only show output temperature and are non-thermostatically controlled

	TEMPERATURE RISE °F								
MODEL NUMBER	0.5 GPM	1.0 GPM	1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM
RETEX-04	48°	-	-	-	-	-	-	-	-
RETEX-06	75°	37°	-	-	-	-	-	-	-
RETEX-08	-	55°	36°	27°	22°	18°	-	-	_
RETEX-08 (derated 208V performance)	79°	40°	27°	20°	-	-	-	-	-
RETEX-11	-	75°	50°	38°	30°	25°	-	-	-
RETEX-11 (derated 208V performance)	-	56°	37°	28°	-	-	-	-	_
RETEX-13	-	89°	59°	44°	36°	30°	22°	-	-
RETEX-13 (derated 208V performance)	-	69°	46°	34°	-	-	-	-	-
RETEX-18	-	+	82°	62°	49°	41°	31°	25°	_
RETEX-18 (derated 208V performance)	-	90°	60°	45°	36°	30°	-	-	-
RETEX-24	-	+	+	82°	66°	55°	41°	33°	27°
RETEX-24 (derated 208V performance)	-	+	+	60°	48°	40°	30°	24°	20°
RETEX-27	-	+	+	92°	74°	62°	46°	37°	31°
RETEX-27 (derated 208V performance)	-	+	+	68°	55°	45°	34°	27°	23°
RETEX-36	-	+	+	+	98°	82°	62°	49°	41°
RETEX-36 (derated 208V performance)	-	+	+	91	73°	61°	45°	36°	30°

⁺ Temperature electronically limited setting on adjustable thermostat on front cover



RETEX-04







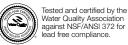


RETEX-24 RETEX-27



RETEX-36





See specifications chart on next page.



PERFORMANCE™ tankless electric water heaters



RETEX-04, RETEX-06

Unique Features:

- External Digital
 Display shows outlet temperature
- Durable Copper Immersion single heating element, field serviceable
- Simple Installation –
 3 Foot electric cable included; Bottom 1/2"
 NPT water connections



RETEX-08, RETEX-11 RETEX-13

Unique Features:

- External Adjustable Digital Thermostatic Control with LED display (+/- 1 degree accuracy)
- accuracy)

 Durable Copper Immersion two heating elements, field serviceable
- Simple Installation 3 Foot electric cable included; Side 1/2" compression water connections



RETEX-18

Unique Features:

- External Digital
 Thermostatic Control with LED display (+/- 1 degree accuracy)
- Most advanced selfmodulation, adjust power to meet hot water demand
- Durable Copper Immersion two heating elements, field serviceable
- Simple Installation Bottom 3/4" NPT water connections



RETEX-24, RETEX-27

Unique Features:

- External Digital
 Thermostatic Control with
 LED display (+/- 1 degree
 accuracy)
 Most advanced self-
- Most advanced selfmodulation, adjust power to meet hot water demand
- Durable Copper Immersion three heating elements, field serviceable
- Simple Installation Bottom 3/4" NPT water connections



RETEX-36

Unique Features:

- External Digital
 Thermostatic Control with
 LED display (+/- 1 degree
 accuracy)
- Most advanced selfmodulation, adjust power to meet hot water demand
- Durable Copper Immersion four heating elements, field serviceable
- Simple Installation Bottom 3/4" NPT water connections

PERFORMANCE[™] Tankless Electric Specifications

DESCRIPTION				FEATURES				ROUGHING	IN DIMENSI	ONS (SHOW	N IN INCHES)	
MODEL NUMBER	kW	AMPS	RECOMMENDED Breaker Size	VOLTAGE	RECOMMENDED WIRE SIZE (CU)	MIN. FLOW (GPM)	MAX. FLOW (GPM)	HEIGHT	WIDTH	DEPTH	WATER CONN.	SHIP WEIGHT (LBS.)
120V 1 HEATING CHAMBER												
RETEX-04	3.5	29A	(1x30)A	120	10 AWG	0.3	4.8	5-7/8	10-7/8	2-3/4	1/2 NPT	4.5
240V* 1 HEATING CHAMBER												
RETEX-06	5.5	29A	(1x30)A	220	10 AWG	0.3	4.8	5-7/8	10-7/8	2-3/4	1/2 NPT	4.5
RETEX-08	8.0	33A	(1x40)A	240	8 AWG	0.3	4.8	12-5/8	8-1/4	3-5/8	1/2 CF	7
RETEX-08 (derated 208V performance)*	5.8	28A	(1x40)A	208	8 AWG	0.3	4.8	12-5/8	8-1/4	3-5/8	1/2 CF	7
RETEX-11	11.0	46A	(1x50)A	240	6 AWG	0.3	4.8	12-5/8	8-1/4	3-5/8	1/2 CF	8.5
RETEX-11 (derated 208V performance)*	8.2	29A	(1x50)A	208	6 AWG	0.3	4.8	12-5/8	8-1/4	3-5/8	1/2 CF	8.5
RETEX-13	13.0	54A	(1x60)A	240	6 AWG	0.3	4.8	12-5/8	8-1/4	3-5/8	1/2 CF	8.5
RETEX-13 (derated 208V performance)*	10.1	49A	(1x60)A	208	6 AWG	0.3	4.8	12-5/8	8-1/4	3-5/8	1/2 CF	8.5
240V* 2 HEATING CHAMBERS												
RETEX-18	18.0	75A	(2x40)A	240	8 AWG	0.3	7.0	18-1/4	14-1/2	3-1/2	3/4 NPT	14.78
RETEX-18 (derated 208V performance)*	13.3	64A	(2x40)A	208	8 AWG	0.3	7.0	18-1/4	14-1/2	3-1/2	3/4 NPT	14.78
240V* 3 HEATING CHAMBERS												
RETEX-24	24.0	100A	(3x40)A	240	8 AWG	0.3	7.0	18-1/4	17-5/8	3-1/2	3/4 NPT	17.8
RETEX-24 (derated 208V performance)*	17.5	84A	(3x40)A	208	8 AWG	0.3	7.0	18-1/4	17-5/8	3-1/2	3/4 NPT	17.8
RETEX-27	27.0	112A	(3x40)A	240	8 AWG	0.3	7.0	18-1/4	17-5/8	3-1/2	3/4 NPT	17.8
RETEX-27 (derated 208V performance)*	20.0	96A	(3x40)A	208	8 AWG	0.3	7.0	18-1/4	17-5/8	3-1/2	3/4 NPT	17.8
240V* 4 HEATING CHAMBERS												
RETEX-36	36.0	150A	(4x40)A	240	8 AWG	0.3	8.0	18-1/4	21-5/8	3-1/2	3/4 NPT	22.7
RETEX-36 (derated 208V performance)*	26.6	127A	(4x40)A	208	8 AWG	0.3	8.0	18-1/4	21-5/8	3-1/2	3/4 NPT	22.7

^{* 240}V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.



PERFORMANCE™ tankless electric water heaters

Product Specifications (all models)	Rated Pressure	25 PSI min., 150 PSI max.
	Certifications	ETL Listed to UL 499 and CSA
	Std. Temp. Settings	120°F (Adjustable 80°F-140°F)
	Temp. Accuracy	+/-1° at steady state flow
	Turn-On	0.3 GPM

Suggested Specifications

Unit shall have copper clad immersion heating element(s) with brass terminations for increased durability. External temperature control and display adjustable in 1° increments with a range of 80°-140°F. Display shall be capable of displaying setpoint temperature in Celsius or Fahrenheit temperature scales. Unit shall utilize a flow meter with a 0.3 gpm activation point and manage power based on actual flow rate and inlet temperature. Values should be processed 60 times per second. Unit shall be WQA certified lead free, certified to UL499 and CSA22.2.

Optional Inline Flow Regulator

- Enhanced outlet temperature control
- Install on the outlet side of the heater
- Limit maximum volume to the specified flow rate to ensure exiting temperature is within an acceptable range
- Flow Regulators for 1/2" and 3/4" plumbing connections
- Flow range: 1 to 5 gallons per minute

RHEEM PART NUMBER	GPM RATING OF INSERTS PROVIDED	CONNECTION SIZE
RTE10001A	1.0, 1.5, 2.0	1/2" NPT
RTE10001B	2.0, 3.0, 4.0, 5.0	3/4" NPT

Suggested Sizing Guide

	COLD CLIMATE (INLET TEMP. 35-45°F)	WARM CLIMATE (INLET TEMP. 50-60°F)	HOT CLIMATE (INLET TEMP. 65-75°F)
RETEX-04	N/A	N/A	N/A
RETEX-06	N/A	N/A	N/A
RETEX-08	RTE10001A	RTE10001A	RTE10001A
RETEX-11	RTE10001A	RTE10001A	RTE10001A
RETEX-13	RTE10001A	RTE10001A	RTE10001A
RETEX-18	RTE10001B	RTE10001B	RTE10001B
RETEX-24	RTE10001B	RTE10001B	RTE10001B
RETEX-27	RTE10001B	RTE10001B	RTE10001B
RETEX-36	RTE10001B	RTE10001B	RTE10001B

Selection based on inlet temperature and an outlet temperature setting of 105°F

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.





ADA COMPLIANT



SPECIFICATION

Constructed of stainless steel, the wall mounting plate shall be constructed of die-cast aluminum and the nozzle shall be consttructed of die-cast aluminum finished with epoxy paint finish. The cover shall be attached to the wall mounting plate with tamper-proof screws. Motor shall be a thermally-protected universal brush type motor operating at 13,000 RPM and delivering 70 CFM air flow at a velocity of 140 MPH (12.320 LFM). Dryer shall incorporate universal controls accepting 115 / 208 / 230 VAC input. Dryer will incorporate a chrome wire heating element protected by an automatic resetting thermal cutoff. Dryer shall be activated by an automatic infrared sensor with a 3-second run-on time and a 60 second vandal shut-off. Control board shall contain a heater control switch which can be controlled in either ON or OFF position. Dryer shall have an ingress protection rating of IP23. Hand dryer shall be certified to Underwriters Laboratories, Inc. standards for safety.

Electrical Specifications:

	110-120V	208V	220-240V
Amps	9.3	3.7	4.1
Watts	950	775	950
Hz	60 Hz	60 Hz	60 Hz

APPROVED FOR MANUFACTURING	
MODEL NO.: JHD-ADA-1200	_QTY:
JOB NAME:	
TAG/ITEM:	
CUSTOMER:	
SIGNATURE:	

ACCESSORY GROUP

ADA COMPLIANT AUTOMATIC HAND DRYER

PRODUCT HIGHLIGHTS:

- Automatic infrared sensor activation with vandal
- resistant shutoff
- Simplifies installation and reduces installation costs.
- Up to 40% faster dry time than leading competitive
- surface mounted ADA- Dryers.
- Up to 70% less engery use than competitive dryers.
- ON/OFF heat control to customize comfort and
- energy savings.
- Automatic activation.
- HEPA filters help reduce airborne particulates.
- Ultra compact and contemporary design.
- Durable and vandal resistant.
- Surface-mounted ADA Compliant.
- IP23 rating protection against harmful water ingress.
- ETL/US Interek

TECHNICAL DATA CONSTRUCTION:

Stainless steel cover with tamper-proof screws.

Die-cast aluminum wall mounting palte.

Nozzle of die-cast aluminum with epoxy paint finish.

Thermally-protected universal brush type motor operating at 13,000 RPM.

Chrome wire heating element protected by auto resetting thermal cutoff.

FINISH

Brushed stainless steel.

CONSTRUCTION

Brushed stainless steel

AIR FLOW RATE

70 CFM at velocity of 140 MPH (12,320 LFM).

A.D.A. COMPLIANT

Yes

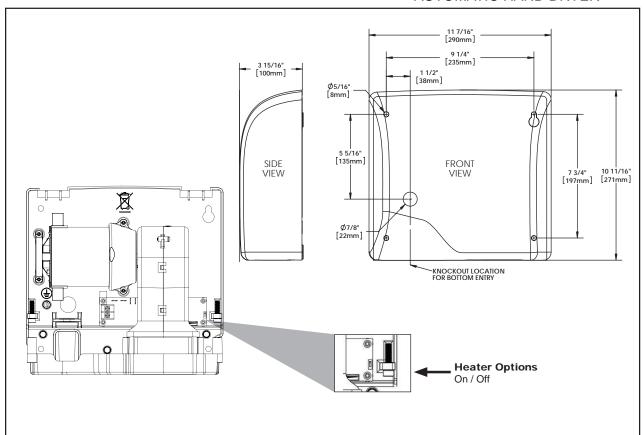


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PH: 847-678-5150 • FAX: 847-678-6817 •	E-MAIL: custserv@justmfg.com

ACCESSORY GROUP

ADA COMPLIANT AUTOMATIC HAND DRYER



Placement Insructions

- Hand dryers should be spaced at least 2 feet apart, near but not over the wash basin.
- On congested areas, dryers should be located to create a flow from wash basin to dryer to exit.
- Dryer should be mounted at least 18: above or away from reflective surfaces which may interfere with the automatic sensor operation.
- Dryer Quantity recommendation:

Average Traffic: (1) Dryer per (2) wash basins. Heavy Traffice: (1) Dryer per wash basin.

Circular wash fountains -54"- Industrial

installations: (4) Dryers per sink.

Recommended mounting height from floor to dryer bottom edge:

Application	Height:
Men's Washrooms	46" (117 cm)
Women's Washrooms	44" (112 cm)
Children's Washroom-Ages 4 to 7	32" (81cm)
Children's Washroom-Ages 7 to 10	36" (91cm)
Children's Washroom-Ages 10 to 13	40" (102 cm)
Children's Washroom-Ages 13 to 17	44" (112 cm)
Handicap Mounting Height	37" (94 cm)

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FEATURES & SPECIFICATIONS

INTENDED USE — A general purpose and energy-efficient surface-mounted or suspended LED fixture, suitable for wet, damp and/or cold locations. For vapor-tight demanding environments where moisture or dust is a concern and where relatively low fixture mounting heights and wide fixture spacing are common. Typical applications include industrial facilities, parking garages, retail malls, multi-purpose rooms, garden centers, and food processing Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable use.

CONSTRUCTION — One-piece 5VA fiberglass housing with integral perimeter channel utilizing continuous poured-in-place NEMA 4X gasket. Approved as a wireway and for through wiring. Captive polymeric latches are standard. Stainless steel latches (#316) available as an option for food processing or more demanding applications.

Power connection is easily accomplished through pre-drilled holes at each end populated with wet location fittings for maximum flexibility. Fixture easily mounts to ceilings and other solid structures, or can be suspended with chain, cable or rod using stainless steel mounting brackets (included).

OPTICS — Injection molded, acrylic lens (.080" thick) provides high impact-resistance comparable to 100% DR. For L48 Medium Distribution, a UV stabilized polycarbonate diffuser is available (.080" thick) in clear or frosted for additional impact strength where vandal protection is desired.

Expected service life of 60,000 hours at 80% lumen maintenance (L80); predicted life of more than 100.000 hours.

ELECTRICAL — Utilizes high-efficiency LEDs mounted to core circuit boards. High-efficiency drivers operate 120 thru 277V, 347V and 480V offered with 0-10 volt dimming, allowing granular control when coupled with wireless networking controls. Integral 6kV/3kA surge protection, tested in accordance to IEEE/ANSI standards.

INSTALLATION — Fixture can be ceiling or suspended mounted. Pre-punched stainless steel mounting brackets are included (two per luminaire) for easy field-attachment of bolts, screws and other mounting hardware. A covered ceiling is not required to maintain wet location listing or IP rating.

LISTINGS — CSA certified to UL and C-UL standards. Listed for wet locations in ambient temps ranging from -35°C (-31°F) to 25°C (77°F) when fixture is surface mounted or up to 45°C (113°F) when fixture is suspended at least 6" from ceiling. IP65, IP66 and IP67 rated. NSF splash-zone 2 certified and meets FDA/USDA guidelines. Nema 4X rated lens and housing. 1500 PSI hose-down.

DesignLights Consortium* (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms and conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Stock configurations are offered for shorter lead times:

Standard Part Number	Stock Part Number
FEM L48 4000LM LPAFL MD MVOLT GZ10 40K 80CRI	FEM L48 4L MVOLT
FEM L48 4000LM LPAFL MD MVOLT GZ10 50K 80CRI	FEM L48 4L MVOLT 5K

Catalog Number	
Notes	
Туре	

Low-Profile Enclosed and Gasketed Industrial















** Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

INDUSTRIAL FEM LED



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FEM L48 4000LM IMAFL WD MVOLT GZ10 40K 80CRI

Series	Length	Nominal Lumens	Diffuser	Distribution	Voltage	Driver	Color temperature	CRI	
FEM	L48 48"1 L96 96" ²	3000LM 3,000 lumens 4000LM 4,000 lumens 6000LM 6,000 lumens 8000LM 8,000 lumens 10000LM 10,000 lumens 12000LM 12,000 lumens 12000LM 15,000 lumens 18000LM 18,000 lumens 20000LM 20,000 lumens	IMAFL Acrylic, lineal ribbed frosted lens IMACD Acrylic, clear deep lens IMAFD Acrylic, deep frosted lens LPAFL Acrylic, low profile frosted lens ³ LPACL Acrylic, low profile clear lens ³ LPPCL Polycarbonate, low profile clear lens ³ LPPFL Polycarbonate, low profile frosted lens ³	MD Medium WD Wide ⁴	MVOLT MVOLT 120 120V 277 277V 347 347V ⁵ 480 480V ⁵	GZ10 0 - 10V dimming	30K 3000K 35K 3500K 40K 4000K 50K 5000K	80CRI 80 CRI 90CRI 90 CRI	

Options					
SF DF BSL520 BGTD SPD WLF WLFEND WLFEND2	Single fuse (available with 120, 277, 347) ⁶ Double Fusing (available with 347, 480V) ⁶ Bodine® emergency LED battery pack for -20°C (and up ^{6,7}) Generator transfer device ^{6,8} Surge protection device, additional 10kV/5kA ⁶ Wet location fitting (two outboard, top) Wet location fitting (one end) Wet location fitting (both ends)	CS88 CS88L12 CS88R CS89 CS89L12 TRS DPMB DL STSL	6' Brad Harrison 16/3 cord and straight blade plug set ⁶ 12' Brad Harrison 16/3 cord and straight blade plug set ⁶ Brad Harrison receptacle 6' white cord, 16/3, no plug, wet location 12' white cord, 16/3, no plug, wet location (Tamper Resistant Torx®T10 screws) Dual pendant mounting bracket Damp location Stainless steel latches	MSI10NWL MSI102L3VWL MSI10NWL DSCNWL MSI10XAWL DSCXAWL	Low mount 360° integral motion sensor, wet location, On/Off operation ⁶ Low mount 360° integral motion sensor, wet location, High/Low operation (bi-level) ⁶ Low mount 360° integral motion sensor, wet location, On/Off operation for motion sensing, override Off due to daylight ⁶ Xpoint wireless integral motion sensor, On/Off operation for motion sensing, override Off due to daylight ⁶
				XAD	XPoint™ wireless controller, 0-10V dimming ⁶

Accessories: 01	der as separate catalog number.
MHCH 36	Jack chain 36" (pair)
MHHK120	10' single leg air craft cable (ships as pair)
MHHK120SS	10' single leg air craft cable, stainless steel (ships as pair)
RK1 T10DRV	Torx® T10 screwdriver for TRS option
FEMDPMB	Dual pendant mounting bracket (ships as a pair)

Notes

- 1 Available with 3000LM, 4000LM, 6000LM, 8000LM, and 10000LM lumen packages. Not available with WD when using low profile diffuser.
- 2 Available with 9000LM, 12000LM, 15000LM, 18000LM, and 20000LM. Not available with low profile diffuser options.
- $3\,$ Not available with L96. Not available with L48 when ordering WD option.
- 4 Not availabe with L48 when ordering low-profile lens options.
- $5 \quad \text{Utilizes step-down transformer. Not available with BGTD.} \\$
- 6 Must specify voltage.
- 7 Not available with 347 or 480V. For use in ambient temperature -20 $^{\circ}\text{C}$ and up.
- 8 Available with 120V or 277V only. For use in ambient environments up to 25C. Not available with L48 when ordering 10000LM lumen package. Not available with L96 when ordering 18000LM or 20000LM lumen packages.



INDUSTRIAL:

OPERATIONAL DATA

		Lumen packages	Wattage				Diffusers			
			120v	277v	347v	480v	Acrylic Lineal Frosted (IMAFL)	Frosted (IMAFD, LPAFL, LPPFL)	Clear (IMACD, LPACL, LPPCL)	
	Delivered Lumens at 30K 80CRI	3000LM	23	23	24	25	2972	3032	3071	
		4000LM	31	30	31	32	4019	4100	4153	
		6000LM	45	44	46	47	5925	6044	6122	
		8000LM	69	67	70	71	7593	7746	7845	
		10000LM	80	78	81	82	9781	9979	10107	
	Delivered Lumens at 35K 80CRI	3000LM	23	23	24	25	3039	3100	3140	
		4000LM	31	30	31	32	4109	4192	4246	
L48 Medium		6000LM	45	44	46	47	6057	6179	6258	
Distribution *test results reflect		8000LM	69	67	70	71	7762	7918	8020	
less than 1% difference between		10000LM	80	78	81	82	9999	10201	10332	
acrylic (clear/deep/	Delivered Lumens at 40K 80CRI	3000LM	23	23	24	25	3086	3148	3189	
low profile) and polycarbonate (low		4000LM	31	30	31	32	4173	4257	4312	
profile) lens		6000LM	45	44	46	47	6151	6275	6356	
		8000LM	69	67	70	71	7883	8042	8145	
		10000LM	80	78	81	82	10155	10360	10493	
		3000LM	23	23	24	25	3200	3264	3306	
	Delivered Lumens at 50K 80CRI	4000LM	31	30	31	32	4326	4414	4470	
		6000LM	45	44	46	47	6378	6506	6590	
		8000LM	69	67	70	71	8173	8338	8445	
		10000LM	80	78	81	82	10529	10741	10879	

		Lumen packages	Wattage				Diffusers			
			120v	277v	347v	480v	Acrylic Lineal Frosted (IMAFL)	Acrylic Frosted (IMAFD)	Acrylic Clear (IMACD)	
		9000LM	65	64	66	67	8718	8959	9072	
	Delivered	12000LM	88	86	89	90	11370	11685	11831	
	Lumens at 30K	15000LM	120	118	122	124	14263	14657	14841	
	80CRI	18000LM	145	141	146	148	16863	17330	17547	
		20000LM	160	156	162	164	19313	19847	20096	
		9000LM	65	64	4 66 67 8913 9159 92	9274				
	Delivered Lumens at 35K 80CRI	12000LM	88	86	89	90	11624	11945	12095	
		15000LM	120	118	122	124	14581	14984	15172	
		18000LM	145	141	146	148	17239	17716	17938	
L96 Medium		20000LM	160	156	162	164	19743	20289	20544	
Distribution	Delivered Lumens at 40K	9000LM	65	64	66	67	9051	9302	9419	
		12000LM	88	86	89	90	11805	12131	12284	
		15000LM	120	118	122	124	14808	15218	15409	
	80CRI	18000LM	145	141	146	148	17507	17992	18218	
		20000LM	160	156	162	164	20051	20605	20864	
		9000LM	65	64	66	67	9385	9644	9765	
	Delivered Lumens at 50K 80CRI	12000LM	88	86	89	90	12239	12578	12736	
		15000LM	120	118	122	124	15353	15778	15976	
		18000LM	145	141	146	148	18152	18654	18888	
		20000LM	160	156	162	164	20789	21364	21632	

INDUSTRIAL:

LPPFL LPPCL

Weight (may vary with options or accessories) FEM L48: 11.9 lbs (5.397kg) **DIMENSIONS** Specifications subject to change without notice. FEM L96: 24.3 lbs (11.022kg) All dimensions are inches (centimeters) unless otherwise indicated. 100-1/4 (254.6) пп Diffuser Type: LPAFL Diffuser Type: IMAFL Diffuser Type: IMAFD LPACL

IMACD

PHOTOMETRICS

See www.lithonia.com for photometry reports.

