

SHOP DRAWING TRANSMITTAL

To: Daniel Cusimano Architect Inc.
185 Bridgeland Ave.
Suite 107
Toronto, ON M6A 1Y7

Att: Stacey Melville

Project: **Shoppers Drug Mart #635**
2515 Bank Street
Ottawa, Ontario

From: Kyle McCallum
Date: June 20, 2025
File: 7470.pt

We have reviewed the attached contractor's equipment shop drawings for general conformity with the design documents and are forwarding them to you for your use in association with the above noted project.

The documents are sent by: Courier • Hand • Pick-up • Facsimile • **E-mail**

<u>Qty</u>	<u>Shop Drawings</u>	<u>Notes</u>
1	Plumbing Fixtures	Reviewed: Verify quantities prior to ordering. Shop drawings received via email and returned. Ensure hard copies are created for submission with maintenance manual.



54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Submittal

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
SDM 635 - Bank St Ottawa	25-036 2515 BANK STREET OTTAWA, ONTARIO	
TO	FROM	
Nick Cvik		
COMPANY	COMPANY	
FLUID CONSTRUCTION & PROJECT MANAGEMENT		
EMAIL	EMAIL	
nick@fluidconstruction.ca		
ADDRESS	ADDRESS	
2800 JOHN ST #23 MARKHAM, ON L3R 0E2	54 Audia Court, Unit 2 Concord, ON L4K 3N5	

Title

Plumbing

Description

HS : Kindred LBS9106-1 / Delta 1959LF
WH-1,2 : Rheem RTEH4208T
Liberty pumps 405 series as per CCN 1

Package Items

INTEGRATED ENGINEERING			
REVIEW OF THIS DRAWING IS FOR GENERAL CONFORMITY WITH THE DESIGN ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIREMENTS OF THE INSTALLATION.			
PROJ No.	7470	REVIEWED	
DATE	25.06.20	REVISED	
BY	KJM	RESUBMIT	

SEE NOTES & COMMENTS
ON TRANSMITTAL

SPEC

SUBSECTION

ITEM

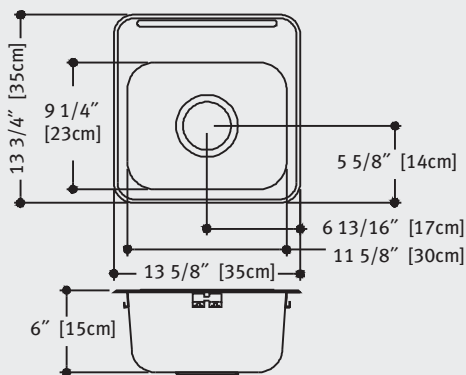
TYPE

SHOP DRAWING PACKAGE

Prepared for
CONSULT
MECHANICAL

SDM #635
BANK ST
OTTAWA

JUNE 19, 2025



cUPC®

**Specification:**

ADA compliant. Single compartment sink with faucet ledge. 20 gauge, type 302, 18-8 stainless steel. Self rimming. Exposed surfaces are satin finished. Undercoated to reduce condensation and resonance. Includes factory applied rim seal, cutout template, Universal Installation System hardware and waste assembly, location center.

Compartment Size: 9 1/4" x 11 5/8" x 6" (23cm x 30cm x 15cm)

Overall Size: 13 3/4" x 13 5/8" (35cm x 35cm)

Waste Options:

-1 = 3 1/2" (89mm) crumb cup waste assembly.

-3 = 1 1/2" (38mm) duplex waste assembly, with rubber stopper.

3 1/2" waste

☒ LBS9106-1/1

☐ LBS9106-1/2

☐ LBS9106-1

1 1/2" waste

☐ LBS9106-3/1

☐ LBS9106-3/2

☐ LBS9106-3

Faucet hole drilling options

1 hole, 1 1/2" diameter

2 hole, 1 1/2" diameter, 4" centers

Custom (non-returnable)

***For custom please specify drilling requirements.**

Notes:

- Electronic specifications, reference www.kindred-sinkware.com
- The model as constructed is subject to the interpretation of local building codes. Check ADA, local wheelchair accessibility guidelines and local building codes to ensure the unobstructed knee space is achieved after installation.

PROJECT INFORMATION

Project Name: _____

Item Reference: _____

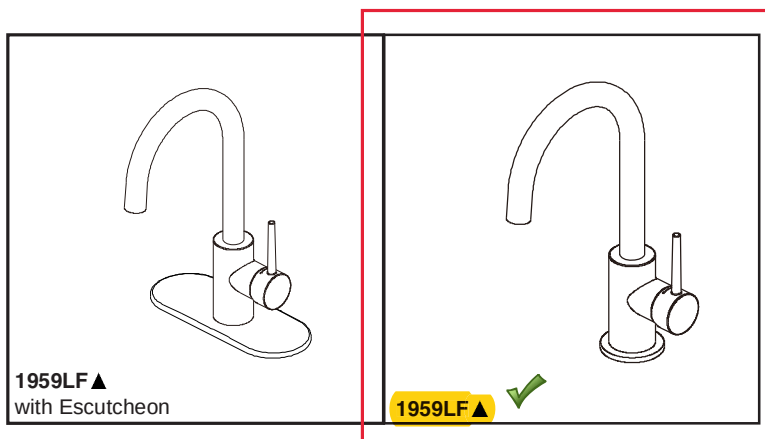
Location: _____

Quote #: _____

Faucet Model #: _____

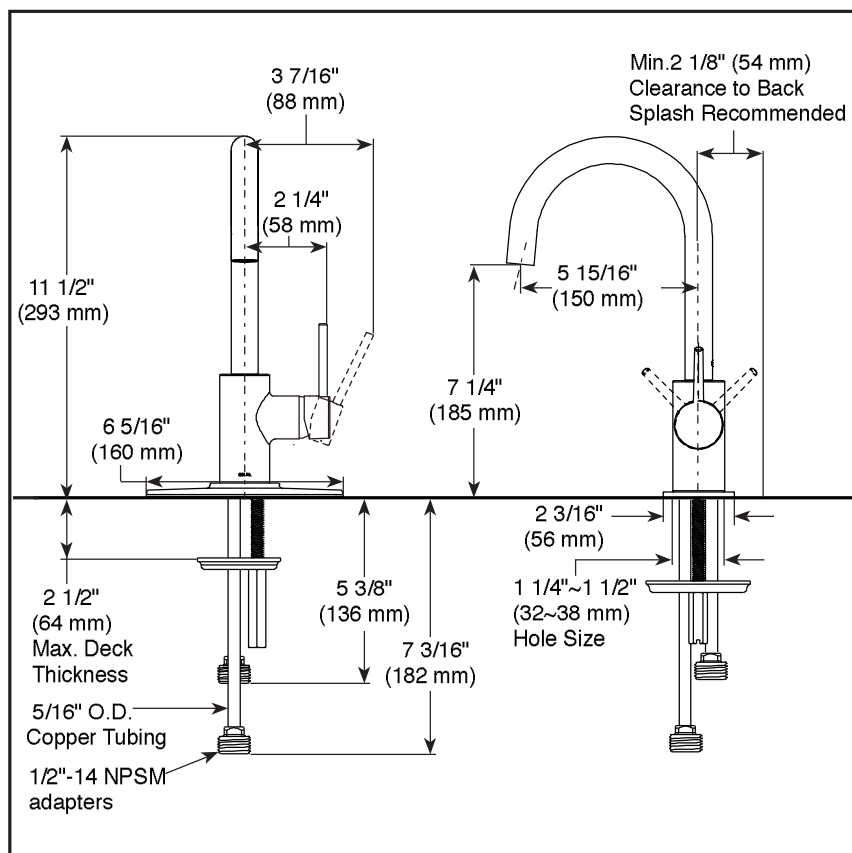
Drillings Required: _____

Notes: _____



Submitted Model No.: _____

Specific Features: _____



▲ Designate proper finish suffix



see what Delta can do™

BAR & PREP SINK FAUCETS

- Contemporary
- Single Handle Deck Mount

STANDARD SPECIFICATIONS

- One or three hole mount (escutcheon optional, not included)
- Max flow rate 1.5 gpm @ 60 psi, 5.7 L/min @ 414 kPa
- Solid brass fabricated body
- Spout rotates 120°
- Hot/Cold logo on handle to indicate temperature
- Ceramic disc cartridge
- 5/16" staggered copper supply lines with 1/2" adapters
- ADA compliant lever handle
- Order RP77702 for optional escutcheon
- Order RP1001 for coordinating soap dispenser

WARRANTY

- Parts and Finish - Lifetime limited warranty; or for commercial purchasers, 10 years for multi-family residential (apartments and condominiums) and 5 years for all other commercial uses, in each case from the date of purchase.
- Electronic Parts and Batteries (if applicable) - 5 years from the date of purchase; or for commercial purchasers, 1 year from the date of purchase. No warranty is provided on batteries.

COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
-  Indicates compliance to ICC/ANSI A117.1

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

Delta Faucet Company

55 E. 111th Street, Indianapolis, IN 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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Model 570 Thermostatic Mixing Valve for Point of Use Controlled Fixtures Unit No. 86820

CAPACITIES – MODEL 570-3/8"

Pressure Drop PSI	5	10	20	40
Valve Number	Capacity			
570-GPM	3	4	5	6.5
570-LPM	11	15	19	25

The mixing valve for point of use mixing fixtures shall be a lead free brass thermostatic mixing valve. The mixing valve shall be 3/8" Compression Fit. The mixing valve shall have a spindle to adjust outlet temperature. The mixing valve shall have internal checks. The mixing valve shall be Lawler model 570.

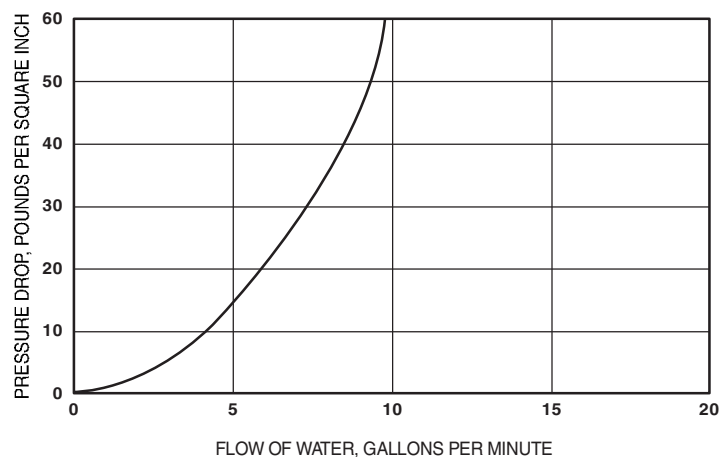
Specifications

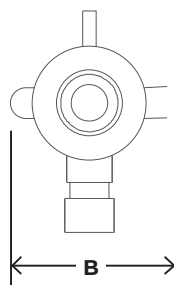
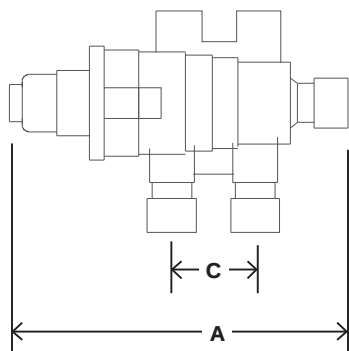
- Outlet temperature range: 95-115°F (35-46°C).
- Temperature, hot supply: 180°F max. (91°C).
- Temperature, cold supply: 40-80°F (4-27°C).
- Temperature stability (nominal): ±5°F (±3°C).
- Temperature differential (between hot supply and outlet temperature): 10°F (11°C).
- Hydrostatic pressure: 125 psi max. (1000 kPa).
- Permitted supply pressure variation: ±20%.
- Flow rate @ 45psi pressure loss: 7 gpm (26L/min).
- Flow rate, minimum: .25 gpm (4L/min).
- Flow rate, maximum: 8 gpm (30L/min).

Benefits

- Protects against scalding and chilling.
- Offers choice of temperature settings from 95° through 115°F.
- Easy installation.
- Backed by Lawler's One Year Warranty.

FLOW CAPACITIES - MODEL 570





Model 570 Unit No. 86820

Temperature Adjustment

To adjust the mixed outlet temperature of the valve, remove the cap to gain access to the adjusting spindle. The spindle should be rotated-clockwise to reduce the temperature, counter-clockwise to increase the temperature until the desired set point is reached.

DIMENSIONS

Valve Number	A	B	C
570	4-7/8"	1-3/4"	1-1/8"

Dimensions are for reference purposes only. For rough-in dimensions please refer to Lawler's Revit/BIM models found at temperedwater.com.

Inlets & outlet are 3/8" compression fittings.

Fitting the Valve

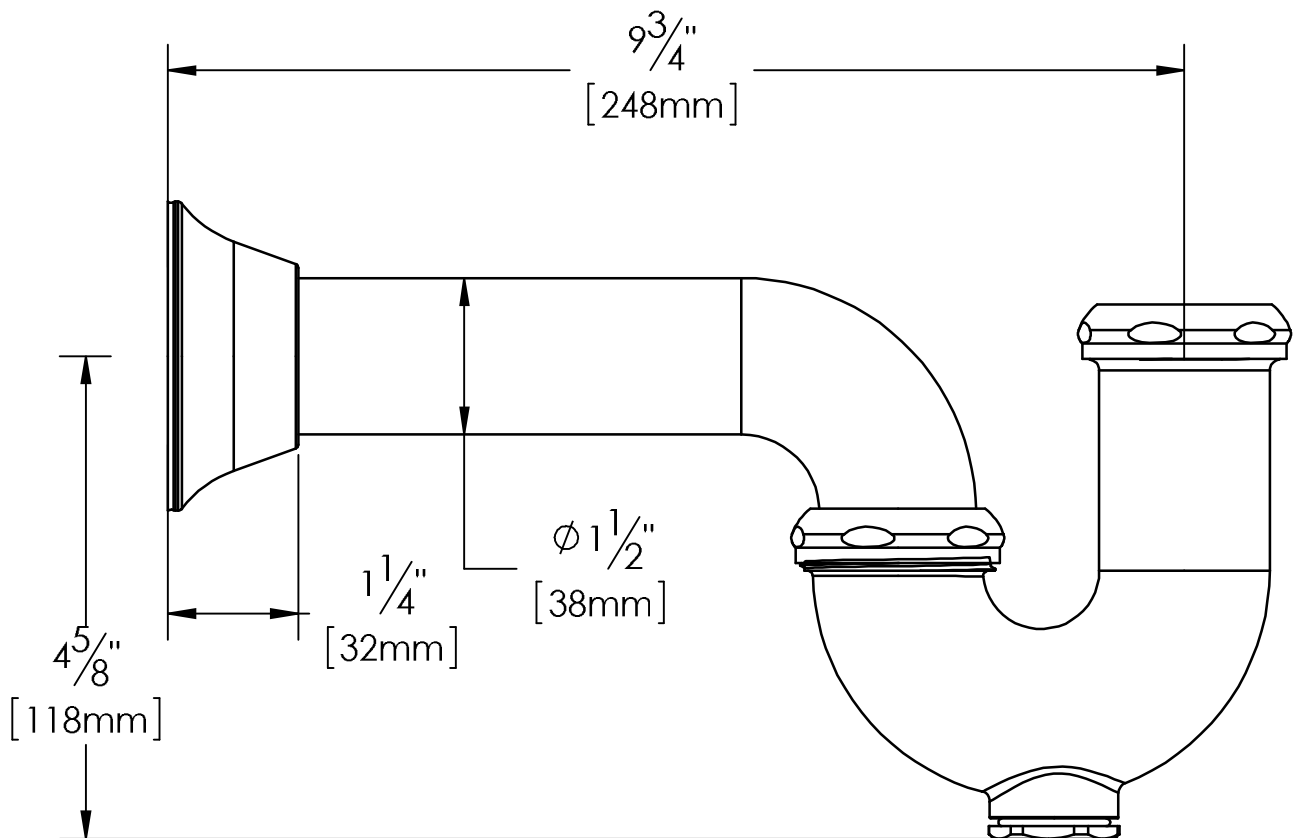
The mixed water outlet from the valve should be used to supply outlets used primarily for personal hygiene purposes.

It is recommended that the valve is installed as close as possible to the point of use; however, it may be fitted anywhere on the hot water supply pipe.

Description:

P-TRAP SHALL BE 1-1/2" GROUND JOINT, CAST BRASS, 20 GAUGE 7" WALLBEND, CHROME FINISH, BRASS NUTS, DEEP BELL FLANGE, WITH CLEANOUT, CERTIFIED BY CSA

Certification



Oakville Stamping and Bending Ltd.

2200 Speers Road, Oakville, ON, Canada. L6L 2X8.

T. 905.827.0320 or toll free 1.877.314.6040 F. 905.827.6375 or toll free 1.877.827.6040.

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www.osb.ca



The new degree of comfort.®



Commercial Electric
Tankless Electric Water Heaters

Rheem® Thermostatic Tankless Electric Water Heater

Applications

- Handwashing
- Kitchen, bar, utility sinks
- Fixed or variable flow
- Ideal for multiple sensor or metering faucets

Performance Features

- Self-diagnostics with intelligent controls actively protect heater in installed environment
- SafeStart™ technology engages upon start-up to help avoid dry-fire occurrence
- Industry leading low flow activation at 0.2 GPM
- Digital LED display with accessible user interface communicates system status and heater operation feedback
- Silent operation on all models except for RTEH012240T
- Mounts in any orientation for a flexible installation
- Compact size fits almost anywhere; suitable for ADA compliant facilities

- Only one input line, hot or cold, needed for an easy installation
- Designed to deliver hot water to a single pipe faucet, mixing valves or mixing faucets
- Integral 3/8" compression fittings; no soldering or sweat connections required
- No T&P relief valve needed (check local codes); Ready to go, right out-of-the-box
- Save water and time by installing unit at the point-of-use
- Control system activates heater only on demand
- High temperature limit switch enables safe operation
- Active energy management with power modulation allows for thermostatic accuracy

Warranty

- 5-Year limited warranty on leaks, 1-year on parts

See Residential Warranty Certificate for complete information



Thermostatic Tankless Electric



Tested and certified by the Water Quality Association against NSF/ANSI 372 for lead free compliance.



Note: For optimum performance, mounting location should be within 2 feet of fixture.

Suggested Specification

Tankless water heater shall be a Rheem model number RTEH_____T.

Unit shall have ABS-UL 94-5VA rated cover. Unit shall have 0.2 GPM turn on. Unit shall allow mounting in any direction. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, Nickel Chrome material. Tankless water heater to utilize complex algorithm, actively managing power application to real time system demand. Integrated flow meter, along with inlet and outlet temperature sensors provide data which allows the unit to instantly adapt to variations in input parameters. Heater shall be fitted with 3/8" compression fittings to eliminate need for soldering. Maximum operating pressure of 150 PSI. Accessible diagnostic features to include error/fault display. Hot water storage tanks prohibited. Unit shall be Rheem or approved equal.

Tankless water heater user interface must have the following capabilities:

- Selectable display including Celsius /Fahrenheit, set point, flow rate, inlet temperature, outlet temperature, and power factor

- Capable of displaying flow rate in gallons per minute & liters per minute
- Diagnostic features to include error/fault display
- Control board must maintain error/fault history of 5 events

Product Specifications

Dimensions:	9.75" H x 5.25" W x 3" D
Weight:	4 lb
Cover:	ABS-UL rated 94-5VA
Color:	Cool Grey
Adj. Temperature Range:	70°F-140°F
Min. Dynamic Operating Pressure:	35 PSI
Max. Dynamic Operating Pressure:	150 PSI
Element:	Replaceable nichrome cartridge insert
Fittings:	3/8" compression fittings
UL listed file number:	E86887

U.S. Patent #'s: 4,762,980 and 4,960,976



INTEGRATED HOME COMFORT



The new degree of comfort.



Commercial Electric
Tankless Electric Water Heaters

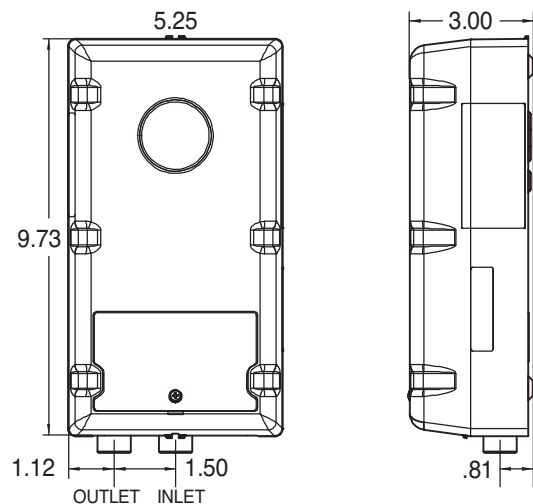
Rheem® Thermostatic Tankless Electric Water Heater Specifications

DESCRIPTION	FEATURES				TEMPERATURE RISE °F			
MODEL NUMBER	kW	AMPS	RECOMMENDED WIRE SIZE (75° C/CU)	TURN ON (GPM)	0.35 GPM	0.5 GPM	1.0 GPM	2.0 GPM
VOLTS 120								
RTEH1812T**	1.8	15	14 AWG	0.2	35°	25°	12°	6°
RTEH2412T**	2.4	20	14 AWG	0.2	47°	33°	16°	8°
RTEH3012T**	3.0	25	12 AWG	0.2	59°	41°	20°	10°
RTEH3512T**	3.5	29	10 AWG	0.2	68°	48°	24°	12°
VOLTS 208 Single Phase								
RTEH3208T**	3.0	15	14 AWG	0.2	59°	41°	20°	10°
RTEH4208T**	4.1	20	14 AWG	0.2	80°	56°	28°	14°
RTEH8208T**	8.3	40	8 AWG	0.2	†	†	57°	28°
VOLTS 240*								
RTEH35T**	3.5	15	14 AWG	0.2	68°	48°	24°	12°
RTEH35T (derated 208V perf.)	2.7	13	14 AWG	0.2	53°	37°	18°	9°
RTEH48T**	4.8	20	14 AWG	0.2	94°	66°	33°	16°
RTEH48T (derated 208V perf.)	3.6	17	14 AWG	0.2	70°	49°	25°	12°
RTEH55T**	5.5	23	12 AWG	0.2	107°	75°	38°	19°
RTEH55T (derated 208V perf.)	4.1	20	12 AWG	0.2	80°	56°	28°	14°
RTEH65T**	6.5	27	12 AWG	0.2	†	89°	44°	22°
RTEH65T (derated 208V perf.)	4.9	24	12 AWG	0.2	96°	67°	33°	17°
RTEH75T**	7.5	32	10 AWG	0.2	†	102°	51°	26°
RTEH75T (derated 208V perf.)	5.6	27	10 AWG	0.2	109°	76°	38°	19°
RTEH95T**	9.5	40	8 AWG	0.2	†	†	65°	32°
RTEH95T (derated 208V perf.)	7.0	34	8 AWG	0.2	†	96°	48°	24°
RTEH012240T**	11.5	48	8 AWG	0.2	†	†	79°	39°
RTEH012240T (derated 208V perf.)	8.7	42	8 AWG	0.2	†	†	59°	30°
VOLTS 277 Single Phase								
RTEH3277T	3.0	11	14 AWG	0.2	59°	41°	20°	10°
RTEH4277T	4.1	15	14 AWG	0.2	80°	56°	28°	14°
RTEH60T	6.0	22	12 AWG	0.2	†	82°	41°	20°
RTEH80T	8.0	29	10 AWG	0.2	†	109°	55°	27°
RTEH90T	9.0	33	10 AWG	0.2	†	†	61°	31°
RTEH100T	10.0	36	8 AWG	0.2	†	†	68°	34°

* 240V 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.

**Indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

† Temperature electronically limited to factory preset not to exceed temperature.



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

Rheem Water Heating • 1115 Northmeadow Parkway, Suite 100
Roswell, Georgia 30076 • www.rheem.com

Rheem Canada Ltd./Ltée • 125 Edgeware Road, Unit 1
Brampton, Ontario L6Y 0P5 • www.rheem.com

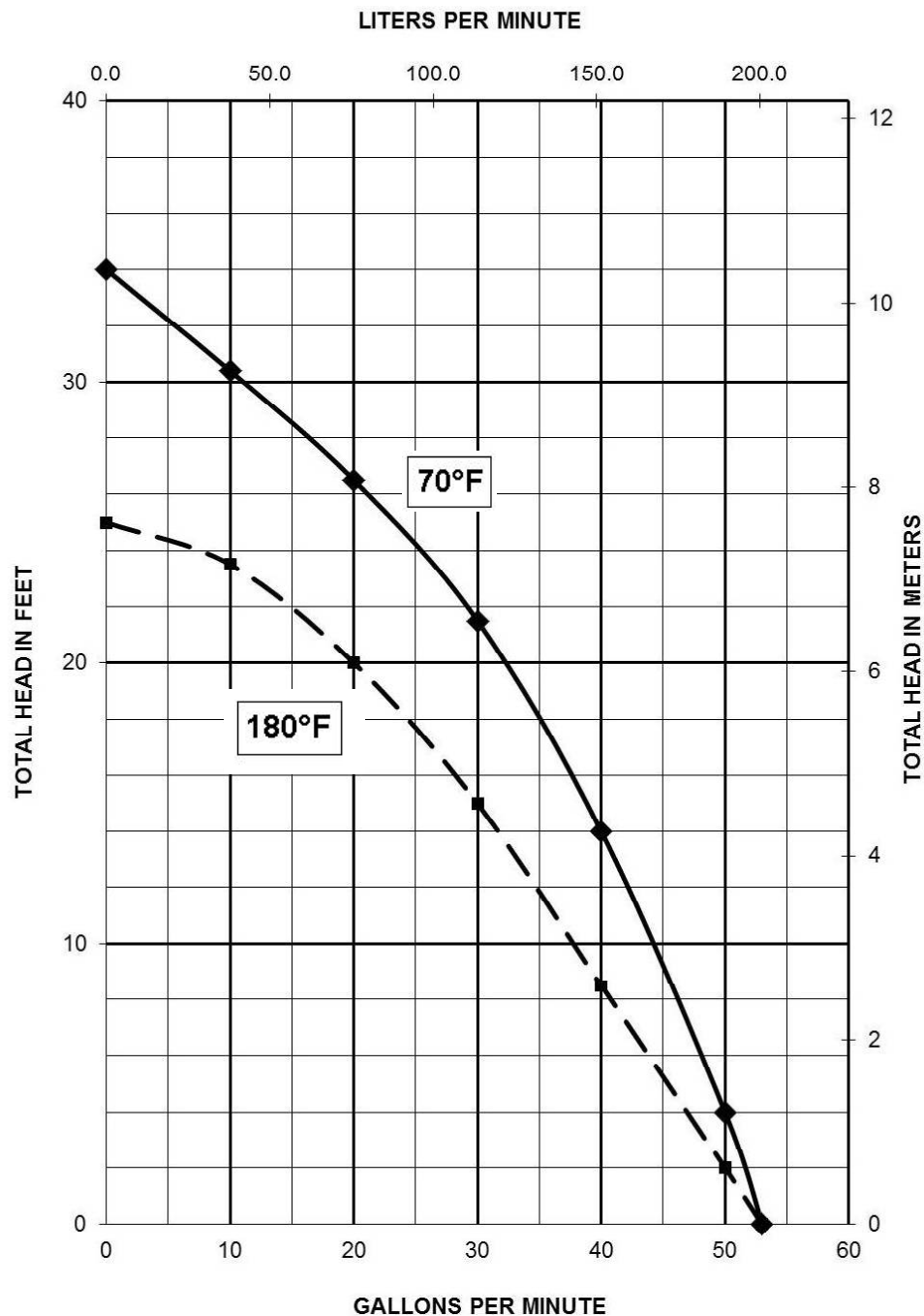
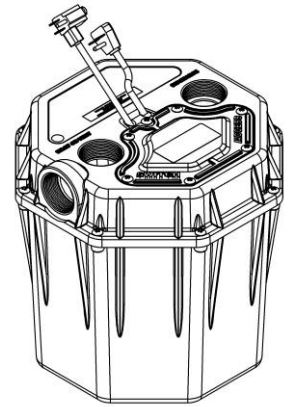


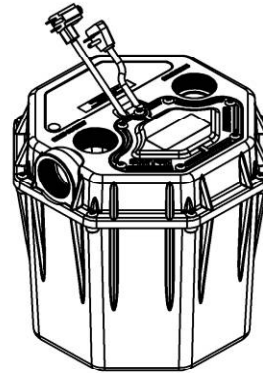
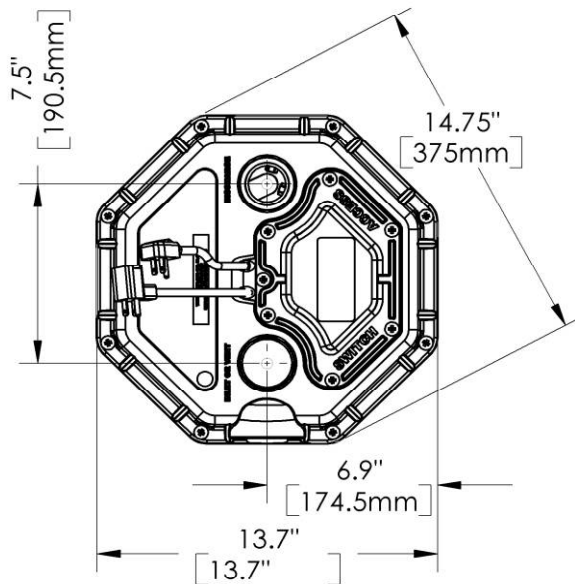
INTEGRATED HOME COMFORT



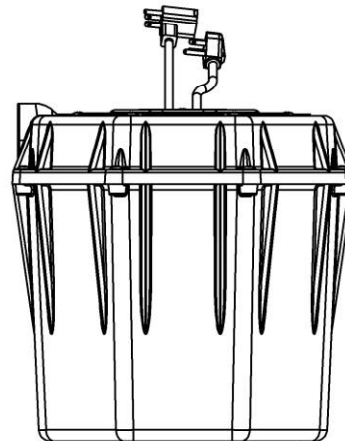
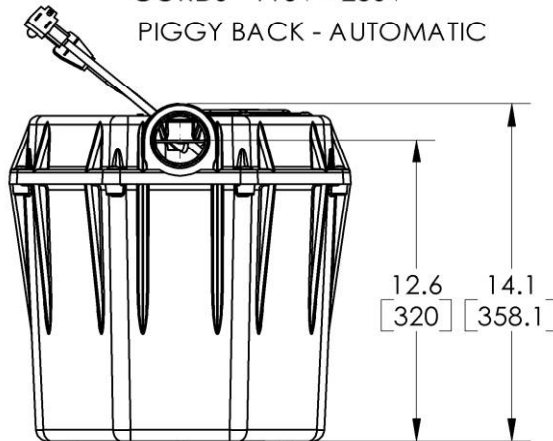
Pump Specifications

405 Series Commercial Drain Pump (High-Temp)





CORDS - 115V - 230V
PIGGY BACK - AUTOMATIC



PROPRIETARY AND CONFIDENTIAL
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APPLICATION

DO NOT SCALE DRAWING

405 SERIES DIMENSIONAL

SIZE
A

JAN / 2007

REV.
A

SCALE: 1:4

WEIGHT: 23 LBS

SHEET 1 OF 1

405-Series Electrical Data

MODEL	HP	VOLTAGE	PHASE	FULL LOAD AMPS	LOCKED ROTOR AMPS	THERMAL OVERLOAD TEMP	STATOR WINDING CLASS	CORD LENGTH FT	DISCHARGE	AUTOMATIC
 405	1/2	115	1	7.3	16	140°C / 284°F	F	10	2"	YES
405-HV	1/2	208/230	1	3.5	7	140°C / 284°F	F	10	2"	YES

405-Series Technical Data

IMPELLER	VORTEX HIGH TEMPERATUER ENGINEERED POLYMER
SOLIDS HANDLING	3/8"
PAINT (PUMP)	POWDER COAT
MAX LIQUID TEMP	82°C / 180°F
MAX STATOR TEMP	CLASS F 155°C / 311°F
THERMAL OVERLOAD	140°C / 284°F
POWER CORD TYPE	SJTOOW
MOTOR HOUSING	DEEP FINNED POWDER COATED ALUMINUM
VOLUTE	ENGINEERED POLYMER
SHAFT	STAINLESS
HARDWARE	STAINLESS
ORINGS	BUNA N
SHAFT SEAL	ENGINEERED DOUBLE LIP WITH STAINLESS SPRINGS
WEIGHT	23 LBS
TANK MATERIAL	POLYPROPYLENE
INLET SIZE	2" FEMALE NPT
DISCHARGE SIZE	2" FEMALE NPT
VENT SIZE	2" FEMALE NPT

405-Series Specifications

1.01 GENERAL:

The contractor shall provide labor, material, equipment, and incidentals required to provide _____ (QTY) commercial drain pumps as specified herein. The pump models covered in this specification are Series 405 single phase pumps. The pump furnished for this application shall be model _____ as manufactured by Liberty pumps, and have a maximum fluid temperature rating of 180 degrees F.

2.01 OPERATING CONDITIONS:

Each drain pump shall be rated at 1/2 hp _____ volts, single phase, 60 Hz. 3450 RPM. The unit shall produce _____ G.P.M. at _____ feet of total dynamic head.

The drain pump shall be capable of handling effluent with 3/8" solid handling capability. The drain pump shall have a shut-off head of 34 feet and a maximum flow of 48 GPM @ 5 feet of total dynamic head.

The pump shall be controlled with a piggy back style on/off float switch.

3.01 CONSTRUCTION:



Each drain pump shall be equal to the c^{SP} certified Series 405 SERIES pumps as manufactured by Liberty Pumps, Bergen NY. The motor housing shall be constructed of a deep finned powder coated aluminum. The motor housing shall be oil filled to dissipate heat. Air filled motors shall not be considered equal since they do not properly dissipate heat from the motor. All mating parts shall be machined and sealed with a Buna-N o-ring. All fasteners exposed to the liquid shall be stainless steel. The motor shall be protected on the top side with sealed cord entry plate with molded pins to conduct electricity eliminating the ability of water to enter internally through the cord. The motor shall be protected on the lower side with an engineered double lip seal with stainless steel springs. The tank shall be made of polypropylene.

4.01 ELECTRICAL POWER CORD

The drain pump shall be supplied with 10 feet of multiconductor power cord. It shall be cord type SJTOOW, capable of continued exposure to the pumped liquid. The power cord shall be sized for the rated full load amps of the pump in accordance with the National Electric Code. The power cable shall not enter the motor housing directly but will conduct electricity to the motor by means of a water tight compression fitting cord plate assembly, with molded pins to conduct electricity. This will eliminate the ability of water to enter internally through the cord, by means of a damaged or wicking cord.

5.01 MOTORS

Single phase motors shall be oil filled, permanent split capacitor, class F insulated, NEMA B design, rated for continuous duty. At maximum load the winding temperature shall not exceed 155 degrees C un submerged. Since air filled motors are not capable of dissipating heat they shall not be considered equal. The pump motor shall have an integral thermal overload switch in the windings for protecting the motor. The capacitor circuit shall be mounted internally in the pump.

6.01 BEARINGS AND SHAFT

Upper and lower ball bearings shall be required. The bearings shall be a single ball / race type bearing. Both bearings shall be permanently lubricated by the oil, which fills the motor housing. The motor shaft shall be made of 300 or 400 series stainless steel and have a minimum diameter of .311".

7.01 SEALS

The pump shall have an engineered double lip seal with stainless steel springs. The motor plate / housing interface shall be sealed with a Buna-N o-ring.

8.01 IMPELLER

The impeller shall be molded engineered polymer, with pump out vanes on the back shroud to keep debris away from the seal area. It shall be threaded to the motor shaft.

9.01 CONTROLS

All units are supplied with CSA and UL approved automatic wide angle tilt float switches. The switches shall be equipped with piggy back style plug that allows the pump to be operated manually without the removal of the pump in the event that a switch becomes inoperable. The switches shall be mounted under a separately sealed access cover and tethered to a removable stainless steel rod for easy removal and serviceability.

10.01 PAINT

The exterior of the casting shall be protected with powder coat paint.

11.01 SUPPORT

The polyolefin tank shall be a free standing unit.

12.01 SERVICEABILITY

Components required for the repair of the pump shall be shipped within a period of 24 hours.

13.01 TESTING

The pump shall have a ground continuity check and the motor chamber shall be Hi-potted to test for electrical integrity, moisture content and insulation defects. The motor and volute housing shall be pressurized, and an air leak decay test is performed to ensure integrity of the motor housing. The pump shall be run, voltage current monitored, and the tester checks for noise or other malfunction.

14.01 QUALITY CONTROL

The pump shall be manufactured in an ISO 9001 certified Facility.

15.01 WARRANTY

Standard limited warranty shall be 3 years.