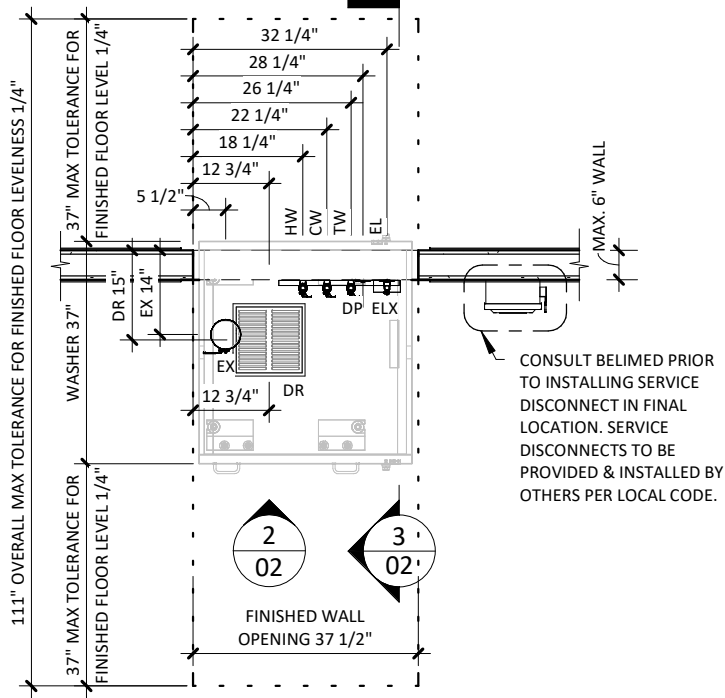
 <p>1535 HOBBY STREET SUITE 103 N. CHARLESTON, SC 29405 TEL: (800) 457-4117 WWW.BELIMED.COM</p>	CUT-WD290IQ-ELECTRIC	WD290IQ - ELECTRIC WASHER/DISINFECTOR TYPICAL INSTALLATION OF AN ELECTRIC WD290IQ WASHER/DISINFECTOR	DRAWN BY: A. IACOMINO	
	REV: D		SCALE: N.T.S.	
	3D VIEW		DATE: 12/28/20	PAGE: 01 OF 06

CLEAN SIDE



SYMBOLS



SERVICE SHUT-OFF VALVE, BY OTHERS



MANUAL DAMPER, BY OTHERS

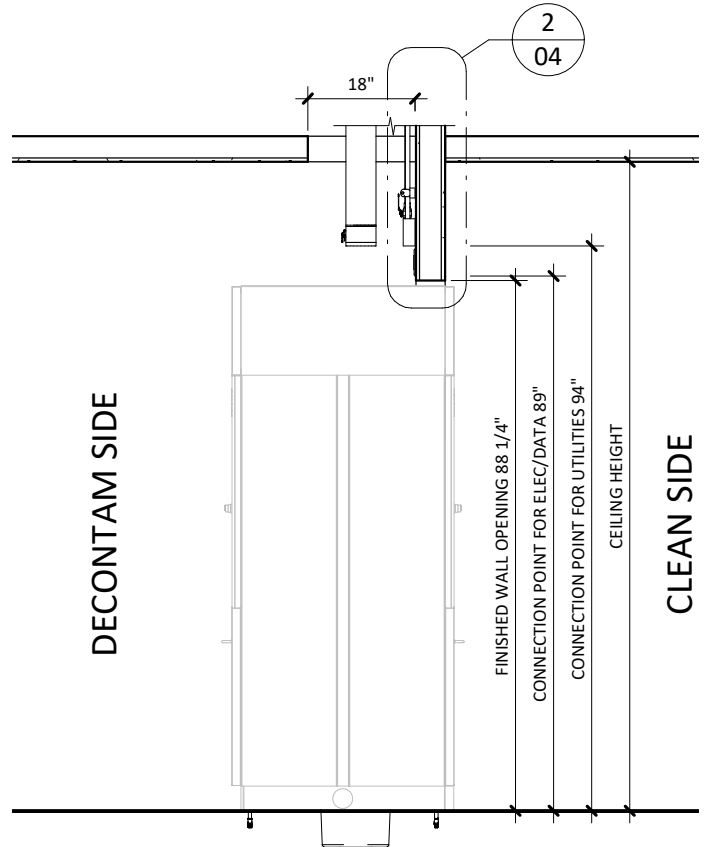
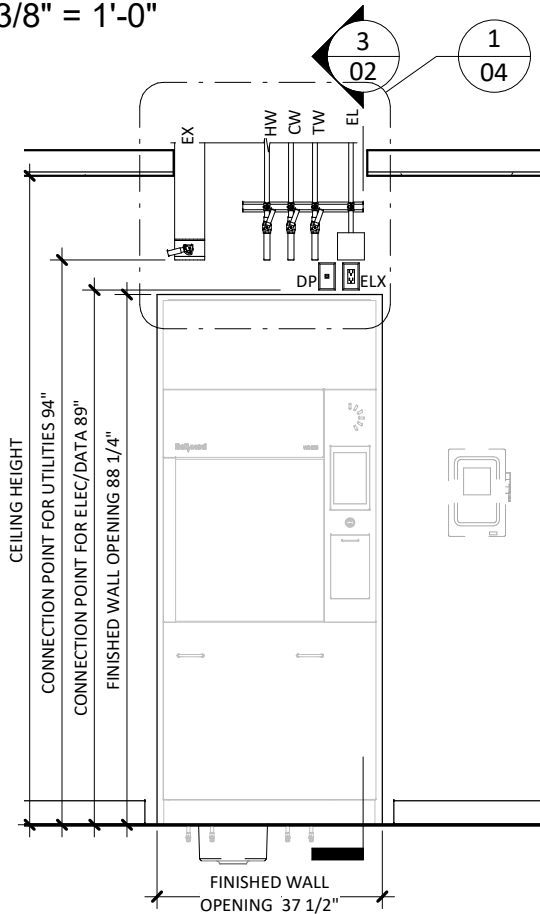
LINETYPES

--- FINISHED FLOOR LEVEL

DECONTAM SIDE

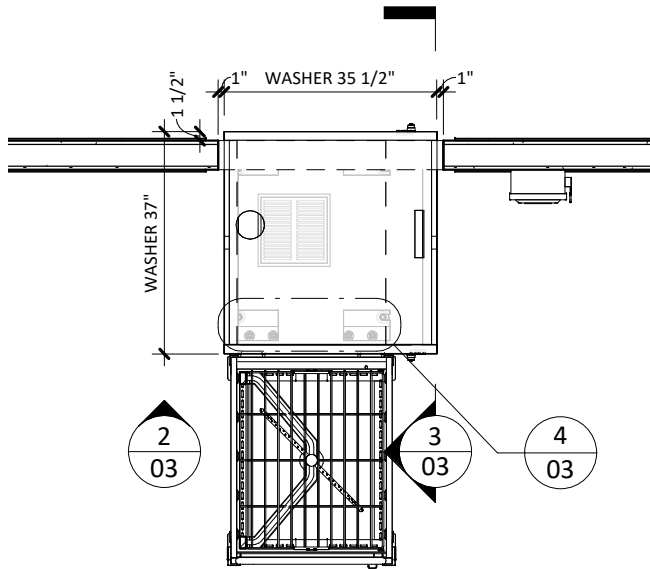
UTILITY LAYOUT

1
3/8" = 1'-0"



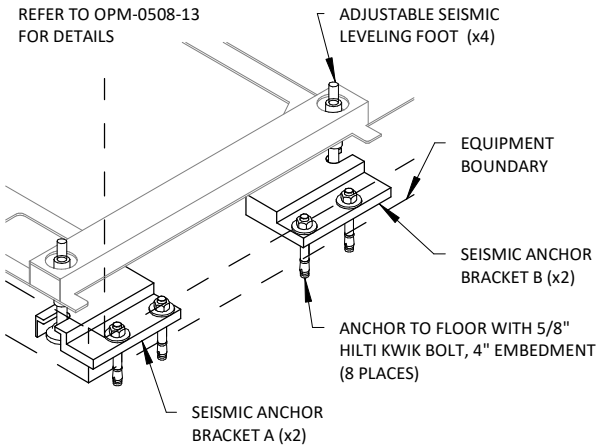
2
DECONTAM UTILITY ELEVATION
3/8" = 1'-0"

3
UTILITY SIDE ELEVATION
3/8" = 1'-0"

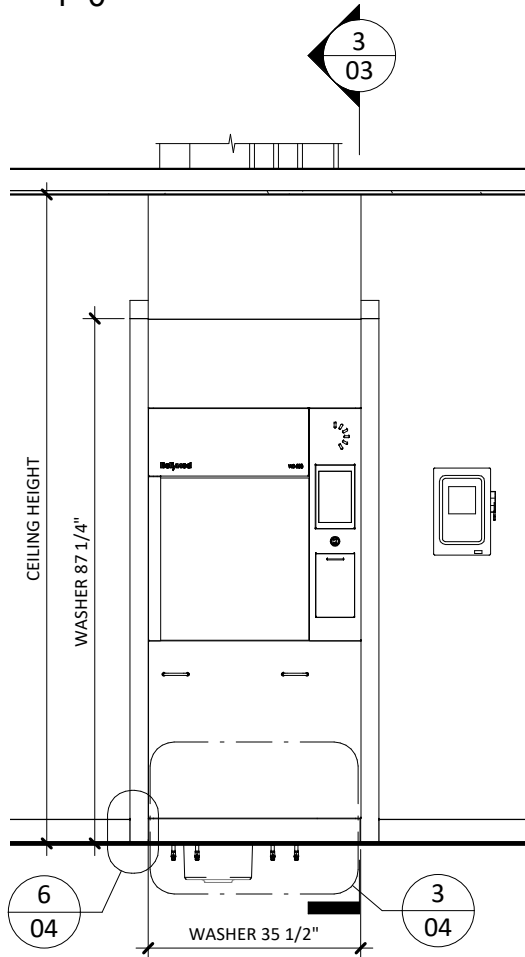


1 EQUIPMENT LAYOUT
3/8" = 1'-0"

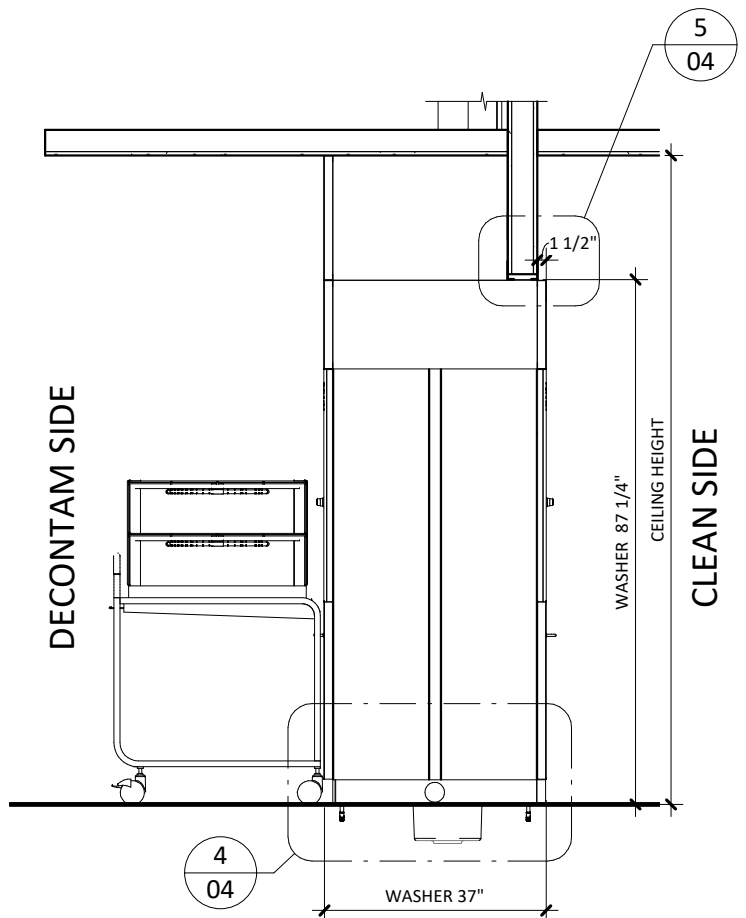
FOR CUSTOMERS LOCATED IN SEISMIC AREAS ONLY



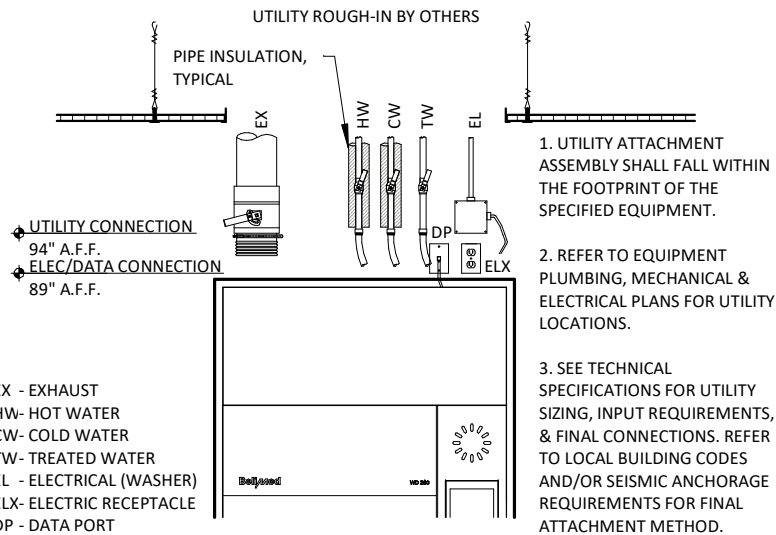
4 WD290IQ TYP. SEISMIC ATTACHMENT
1" = 1'-0"



2 DECONTAM EQUIPMENT ELEVATION
3/8" = 1'-0"

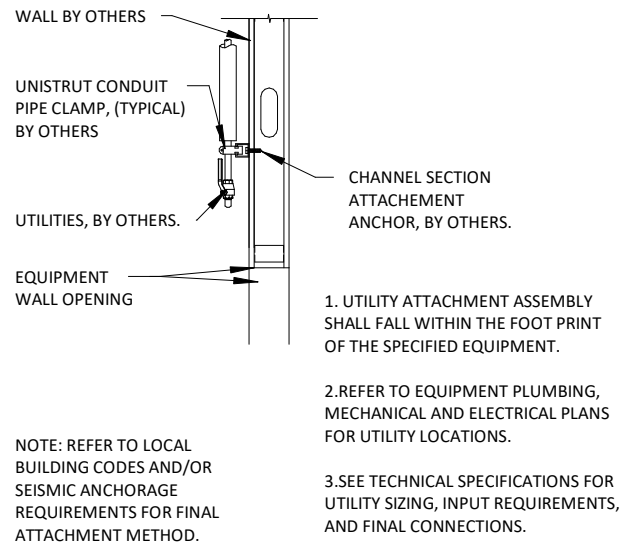


3 EQUIPMENT SIDE ELEVATION
3/8" = 1'-0"



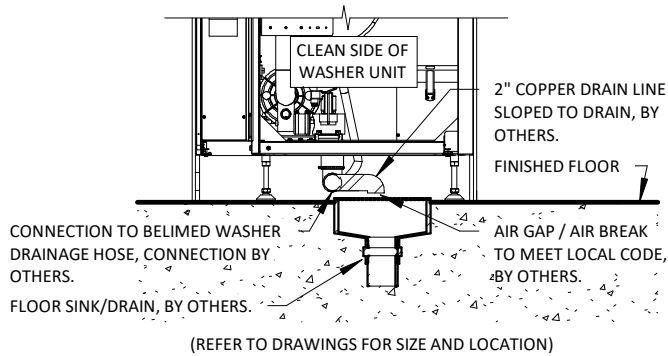
TYPICAL WD290IQ UTILITY LAYOUT - ELECTRIC

1
1/2" = 1'-0"



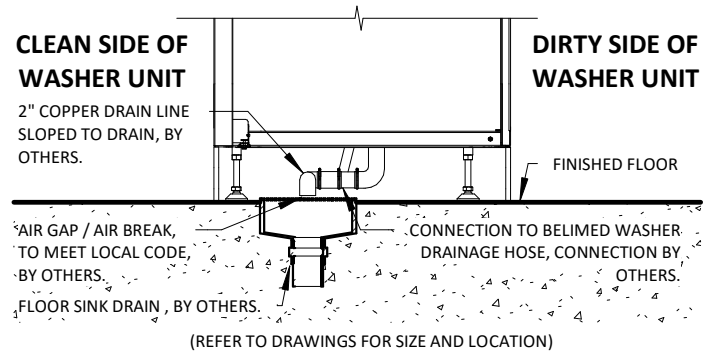
2 TYP. UTILITY ATTACHMENT - WALL

1/2" = 1'-0"



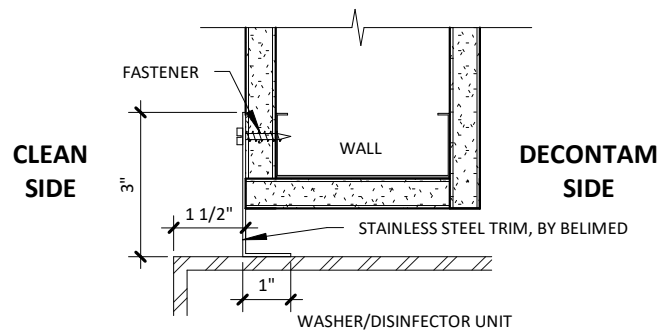
TYPICAL WASHER HOSE ASSEMBLY DETAIL

3
1/2" = 1'-0"



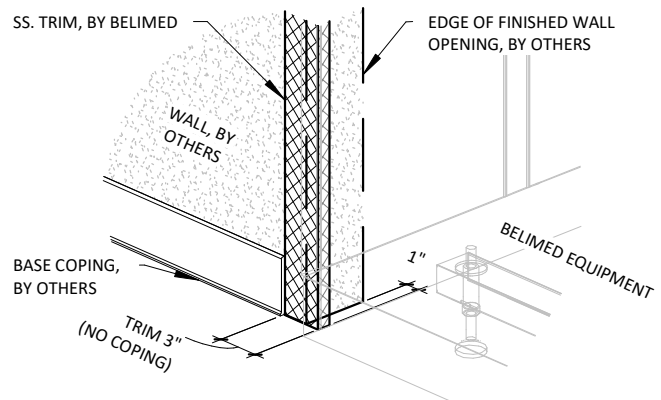
4 TYPICAL SIDE VIEW - WASHER DRAIN DETAIL

1/2" = 1'-0"



5 TRIM ATTACHMENT - WD290IQ

3" = 1'-0"



6 BASE COPING AT WALL OPENING

1" = 1'-0"

WD290IQ-E WASHER/DISINFECTOR w/o OPTIONAL STORAGE TANK - TECHNICAL SPECIFICATIONS						
REQUIRED INPUTS						
Symbol	Description	Value	Utility Notes	Connection Method	Final Utility Conn. By:	
					Others	Belimed
HW	Utility:	Hot Water (w/o Storage Tank)	Colder temperature will result in longer cycles and higher steam consumption.	Flex		X
	Building-Side Conn. Size/Type:	3/4 inch MNPT				
	Water Temperature:	Min: 120°F Max: 140°F				
	Water Hardness:	Min: 70 ppm Max: 200 ppm				
	Pressure:	Min: 29.0 psig Max: 87.0 psig				
	Flow Rate:	Min: 2.1 gpm Max: 13.2 gpm				
*Consumption per Load:	Typ: 13.5 gal					
CW	Utility:	Cold Water	Salt Content (mg/l) < 500 Chlorides (mg/L) < 100 pH 6.5 – 8	Flex		X
	Building-Side Conn. Size/Type:	3/4 inch MNPT				
	Water Temperature:	Min: 41°F Max: 86°F				
	Water Hardness:	Min: 70 ppm Max: 200 ppm				
	Pressure:	Min: 29.0 psig Max: 87.0 psig				
	Flow Rate:	Min: 2.1 gpm Max: 13.2 gpm				
*Consumption per Load:	Typ: 10.5 gal					
TW	Utility:	Treated Water	Slower flow rates will result in longer cycle times.	Flex		X
	Building-Side Conn. Size/Type:	3/4 inch MNPT				
	Water Temperature:	Min: 35°F				
	Conductivity:	Min: 5 µS/cm Max: 15 µS/cm				
	Water Hardness:	< 2 ppm				
	Pressure:	Min: 29.0 psig Max: 87.0 psig				
Flow Rate:	Min: 2.1 gpm Max: 13.2 gpm					
*Consumption per Load:	Typ: 7.4 gal	pH 6.5 – 8				
EL	Utility:	Electric	4-wire cable required → 3 conductor & 1 PE. Peak consumption occurs during drying portion of cycle. Service disconnect provided by others per local code.	Hard Wire	X	
	Building-Side Conn. Type:	Hard wire within junction box				
	Voltage (Phase):	3 Phase				
	Voltage (Nominal):	208 VAC				
	Voltage (Frequency):	60 Hz				
	Circuit Protection:	60 Amps				
*Consumption per Load:	Typ: 4.69 kW-h					
ELX	Utility:	Electric		Receptacle		X
	Voltage:	120 V				
	Cycles:	60 Hz				
	Current/Watts:	1.6 A / 192W				
DP	Utility:	Data Port	Location: Preferred Ethernet port location is in the enclosed service area of the washer/disinfector or within 5 ft of machine			X
	Building-Side Conn. Type:	RJ45 Receptacle				
	Connection Quantity:	One (1) RJ45 Ethernet port per mach.				
	Facility Wiring:	Cat-5 or better				
	Final Connection:	Patch cables for final conn. provided				
Port IP Setup:	Each RJ45 requires static IP address					
ESTIMATED EMISSIONS						
DR	Utility:	Open Drain	Provide flush mounted 12"x12"x5" min. floor sink and trap.	2" Copper Pipe	X	
	Building-Side Connection Size:	2.0 inch				
	Discharge Flow Rate:	40.0 gal/min				
	Connection Type:	Indirect Drain				
EX	Medium:	Air Exhaust	Discharged air is at 100% humidity, others must provide proper drainage upstream as needed. Others to provide manual damper at each exhaust connection point. Washer Exhaust runs intermittently at peak flow rate.	Flex		X
	Building-Side Connection Size:	5 inch OD				
	Peak Flow Rate:	Min: 147 cfm Max: 206 cfm				
	Exhaust Temperature:	Min: 158°F Max: 194°F				
	Minimum Duct Diameter:	5 inch				
	Duct Materials (in order of rec. use):	stainless steel, galvanized steel, polyethylene, or aluminum				
	Medium:	Heat Radiation	Free Standing Machine. Variation due to program variability in Ao value, dry time, and dry temperatures.			
	Radiation (Net):	500 W				
	Radiation (Tolerance):	+/- 200 W				
	Medium:	Noise Radiation				
	Max. Radiation (Net):	<65 dBA				
PHYSICAL SPECIFICATIONS						
	Parameter:	Carry-In Dimensions ¹	Usable Chamber Dimensions		¹ Machine alone (i.e. removed from packaging)	
	Height:	87.6 inches	27.1 inches			
	Width:	35.4 inches	24.8 inches			
	Length:	37.0 inches	31.5 inches			
	Parameter:	Weights				
	Transport Weight:	1759 lbs	Transport Weight ± 55lbs = (Machine + Crating)			
	Operating Weight:	2114 lbs	Operating Weight = (Machine + Max. 225lbs Instruments + Rack + 9 gal. Water)			
	OSHDP NUMBER:	OPM-0508-13				
*Values are for an "Instruments - General Instrument Cycle" with Belimed Protect® detergent. Values will vary with rack size, load size, utility inputs, detergents, and cycle setup.						
Additional Information: For automated systems, additional utilities may be required. Consult site drawings for specific details. MNPT = Male Pipe Thread Maximum tolerance for finished floor level tolerance is 1/4" for washer and conveyor area. All utility supplies and connections are to be provided by others, per local code.						
TS-WD290IQ-E_RevD						

WD290IQ-E WASHER/DISINFECTOR w/ OPTIONAL STORAGE TANK - TECHNICAL SPECIFICATIONS							
REQUIRED INPUTS							
Symbol	Description	Value	Utility Notes	Connection Method	Final Utility Conn. By:		
					Others	Belimed	
HW	Utility:	Hot Water (w/ Storage Tank)	Colder temperature will result in longer cycles and higher steam consumption.	Flex			X
	Building-Side Conn. Size/Type:	3/4 inch MNPT					
	Water Temperature:	Min: 120°F Max: 140°F					
	Water Hardness:	Min: 70 ppm Max: 200 ppm					
	Pressure:	Min: 29.0 psig Max: 87.0 psig					
	Flow Rate:	Min: 2.1 gpm Max: 13.2 gpm					
	*Consumption per Load:	Typ: 8.1 gal					
CW	Utility:	Cold Water	Salt Content (mg/l) < 500 Chlorides (mg/L) < 100 pH 6.5 – 8	Flex			X
	Building-Side Conn. Size/Type:	3/4 inch MNPT					
	Water Temperature:	Min: 41°F Max: 86°F					
	Water Hardness:	Min: 70 ppm Max: 200 ppm					
	Pressure:	Min: 29.0 psig Max: 87.0 psig					
	Flow Rate:	Min: 2.1 gpm Max: 13.2 gpm					
	*Consumption per Load:	Typ: 10.5 gal					
TW	Utility:	Treated Water	Slower flow rates will result in longer cycle times.	Flex			X
	Building-Side Conn. Size/Type:	3/4 inch MNPT					
	Water Temperature:	Min: 35°F					
	Conductivity:	Min: 5 µS/cm Max: 15 µS/cm					
	Water Hardness:	< 2 ppm					
	Pressure:	Min: 29.0 psig Max: 87.0 psig					
	Flow Rate:	Min: 2.1 gpm Max: 13.2 gpm					
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EL	Utility:	Electric	4-wire cable required → 3 conductor & 1 PE. Peak consumption occurs during drying portion of cycle. Service disconnect provided by others per local code.	Hard Wire		X	
	Building-Side Conn. Type:	Hard wire within junction box					
	Voltage (Phase):	3 Phase					
	Voltage (Nominal):	208 VAC					
	Voltage (Frequency):	60 Hz					
	Circuit Protection:	60 Amps					
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	Current/Watts:	1.6 A / 192W					
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	Connection Quantity:	One (1) RJ45 Ethernet port per mach.					
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ESTIMATED EMISSIONS							
DR	Utility:	Open Drain	Provide flush mounted 12"x12"x5" min. floor sink and trap.	2" Copper Pipe		X	
	Building-Side Connection Size:	2.0 inch					
	Discharge Flow Rate:	40.0 gal/min					
	Connection Type:	Indirect Drain					
EX	Medium:	Air Exhaust	Discharged air is at 100% humidity, others must provide proper drainage upstream as needed. Others to provide manual damper at each exhaust connection point. Washer Exhaust runs intermittently at peak flow rate.	Flex			X
	Building-Side Connection Size:	5 inch OD					
	Peak Flow Rate:	Min: 147 cfm Max: 206 cfm					
	Exhaust Temperature:	Min: 158°F Max: 194°F					
	Minimum Duct Diameter:	5 inch					
	Duct Materials (in order of rec. use):	stainless steel, galvanized steel, polyethylene, or aluminum					
	Medium:	Heat Radiation	Free Standing Machine. Variation due to program variability in Ao value, dry time, and dry temperatures.				
	Radiation (Net):	500 W					
	Radiation (Tolerance):	+/- 200 W					
	Medium:	Noise Radiation					
	Max. Radiation (Net):	<65 dBA					
PHYSICAL SPECIFICATIONS							
	Parameter:	Carry-In Dimensions ¹	Usable Chamber Dimensions		¹ Machine alone (i.e. removed from packaging)		
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	Parameter:	Weights					
	Transport Weight:	1759 lbs	Transport Weight ± 55lbs = (Machine + Crating)				
	Operating Weight:	2114 lbs	Operating Weight = (Machine + Max. 225lbs Instruments + Rack + 9 gal. Water)				
	OSHDP NUMBER:	OPM-0508-13					
<p>*Values are for an "Instruments - General Instrument Cycle" with Belimed Protect® detergent. Values will vary with rack size, load size, utility inputs, detergents, and cycle setup.</p> <p><u>Additional Information:</u> For automated systems, additional utilities may be required. Consult site drawings for specific details. MNPT = Male Pipe Thread Maximum tolerance for finished floor level tolerance is 1/4" for washer and conveyor area. All utility supplies and connections are to be provided by others, per local code.</p>							
TS-WD290IQ-E_RevD							