

# **Dimplex**

---

## Thermal Solutions

W03-2-10000-M  
Spec Submittal

Photos  
Coming  
Soon



***The solution to all your cooling needs.***

*2625 Emerald Drive, Kalamazoo, Michigan 49001*

*Phone: 800.968.5665 or 269.349.6800 Fax: 269.349.8951*

# Overview:

<b>WO3-2-10000-M (106kW)</b>	
For Use With:	Siemens Terra
<b>Standard Chiller (Includes Coastal)</b>	
Siemens Part Number:	DTSWO3210000MR106
Function:	Support medical functions by maintaining process fluid with tight temperature and flow tolerances while meeting the varying heat loads of critical imaging systems.
Features:	<ul style="list-style-type: none"> <li>• Triple refrigeration circuits and redundant compressors for varying capacity control</li> <li>• Three fluid pumps to provide backup in case of a motor failure</li> <li>• Open atmosphere system allows maintenance without interrupting patient care</li> <li>• <b>*PLEASE NOTE THIS UNIT IS NOT SEISMIC RATED*</b></li> </ul>
<b>Coastal Chiller</b>	
Siemens Part Number	SAME AS STANDARD
Function:	Protects chiller installed less than 30 miles from salt water coast
Features:	<ul style="list-style-type: none"> <li>• All "Standard" chiller features plus:</li> <li>• Stainless steel cabinet upgrade</li> <li>• E-Coated condenser coil</li> </ul>

***The solution to all your cooling needs.***

*2625 Emerald Drive, Kalamazoo, Michigan 49001*

*Phone: 800.968.5665 or 269.349.6800 Fax: 269.349.8951*

# General Specifications

WO3-2-10000(800759)		
Width:	IN/CM	184.5/468.63
Height:	IN/CM	92.5/234.95
Depth:	IN/CM	41.5/105.41
Dry weight:	LB/KG	7000/3175.15
Operational weight:	LB/KG	7800/3538.02
Max. ambient temperature:	°F/°C	122/50
Min. ambient temperature:	°F/°C	-20/-28.89
Condenser air flow approx.:	CFM	36,000
Fluid tank capacity:	GAL/LTR	100/378.54
Coolant connections:	NPTF	2.0"

# Fluid Specifications

Coolant:	N/A	Water/glycol 50/50
Coolant outlet temperature:	°F/°C	50/10
Coolant temperature accuracy:	°F/°C	3/1.65
Coolant flow:	GPM/LPM	39.63/150
Max coolant pressure:	PSI/BAR	55/3.67

***The solution to all your cooling needs.***

*2625 Emerald Drive, Kalamazoo, Michigan 49001*

*Phone: 800.968.5665 or 269.349.6800 Fax: 269.349.8951*

# Refrigeration Specifications

Net cooling capacity:	BTU/kW	361,687/106
Refrigerant:	N/A	R407C
Refrigerant Charge:	LB/KG	90/40.82

# Electrical Specifications (460/3/60)

FLA	150A
MOP	225A
MCA	163A
Disconnect Fuses	175A
Compressor FLA	19.2A
Compressor LRA	125A
Pump FLA	6.6A
Fan FLA	1.2A
Control Voltage	24v AC
SCCR	5kA
<b>Note:</b>	<b>For 208v or 230v, please consult the manufacturer for specifications!</b>

***The solution to all your cooling needs.***

*2625 Emerald Drive, Kalamazoo, Michigan 49001*

*Phone: 800.968.5665 or 269.349.6800 Fax: 269.349.8951*

# Standard Componentry Details

Cabinet	Galvanized, NEMA 4 electrical enclosure, site glass/fill tube
Circuits	Triple Refrigeration Circuit, Triple Fluid Circuit
Compressor(s)	Six, 10hp Hermetic Scroll
Condenser(s)	Three, oversized, air-cooled, with vertical air discharge and cleanable air filters
Evaporator(s)	Three, Copper-brazed, 316 Stainless Steel
Fan(s)	Twelve, 0.5hp TEFC
Pump(s)	Three, 1.5hp, non-ferrous, centrifugal
Controller	Carel PCOxs controller with Carel pGD remote display with 150' of cable (requires ½" conduit)
Certifications	Compliant with UL1995 standards; OSHPD, CE, and CSA available as options
Also available upon request:	N/A

## Add-Ons/Options

Filter Flow Meter Kit	Kit that provides filtration and 0-50GPM flow meter on inline piping. Installed indoors between chiller and MR equipment.
Isolation Springs	Set of vibration isolation springs. Recommended to be used when installing a chiller on a roof top. Helps eliminate vibration through the rooftop.
City Water Bypass Panel	Panel that allows switchover to city water backup in case of chiller failure. Multiple types available. Consult DTS for details.
Long Distance Remote Kit	Increases distance remote display can be ran from chiller to MR control room from 150' up to 400'
BMS Card	Card that allows chiller to tie into customer BMS system. Various types available. Consult DTS for details.
Booster Pump	In-line pump that allows chiller to provide adequate flow to process for systems that exceed standard pipe allowances.
Glycol	Propylene or Ethylene available at various concentrations in 55 gallon drums or 5 gallon pails.

***The solution to all your cooling needs.***

*2625 Emerald Drive, Kalamazoo, Michigan 49001*

*Phone: 800.968.5665 or 269.349.6800 Fax: 269.349.8951*

Version	Revision Date	Description of Change	Changes Made By (Name & Title):
001	02/15/2017	Creation of document	Kyle Hastings, Medical Service Manager

***The solution to all your cooling needs.***  
*2625 Emerald Drive, Kalamazoo, Michigan 49001*  
*Phone: 800.968.5665 or 269.349.6800 Fax: 269.349.8951*