

Dimplex

Thermal Solutions

WO2-2-7500-2P-NF-L-407C-M
Spec Submittal



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

WO2-2-7500			
	Units	Original	New
Width:	IN/CM	136.25/346.07	134.5/341.6
Height:	IN/CM	84.5/214.63	87.7/222.8
Depth:	IN/CM	41.7/105.92	44/112
Dry weight:	LB/KG	4000/1814.37	3750/1701
Operational weight:	LB/KG	4800/2177.24	4550/2064
Max. ambient temperature:	°F/°C	122/50	122/50
Min. ambient temperature:	°F/°C	-20/-29	-20/-29 -40/-40 (Low Ambient Model)
Condenser air flow approx.:	CFM	18,000	18,000
Fluid tank capacity:	GAL/LTR	100/378.54	80/303
Coolant connections:	NPTF	2.0"	2.0"

Fluid Specifications

Coolant:	N/A	Water/glycol 50/50
Coolant outlet temperature:	°F/°C	46/7.78
Coolant temperature accuracy:	°F/°C	3/1.65
Coolant flow:	GPM/LPM	35±2 / 100±10
Max coolant pressure:	PSI/BAR	70/4.83

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Refrigeration Specifications

Net cooling capacity:	BTU/kW	238,840/70
Refrigerant:	N/A	R407C
Refrigerant Charge:	LB/KG	58/26.31

Electrical Specifications (460/3/60)

	Original	New
FLA	89A	90A
MOP	110A	100A
MCA	95A	94A
Disconnect Fuses	100A (Fuse)	100A (Circuit Breaker)
Compressor FLA	16.5A	16.5A
Compressor LRA	84A	84A
Pump FLA	6.6A	7.0A
Fan FLA	1.2A	5.2A
Control Voltage	24VAC	24VDC
SCCR	5kA	5kA

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Componentry Details

	Original	New
Cabinet	Galvanized, NEMA 4 electrical enclosure, site glass/fill tube	
Circuits	Dual Refrigeration Circuit, Dual Fluid Circuit	
Compressor(s)	Four, 7.5hp Hermetic Scroll	
Condenser(s)	Two, oversized, air-cooled, with vertical air discharge and cleanable air filters	
Evaporator(s)	Two, Copper-brazed, 316 Stainless Steel	Single, Copper-brazed, 316 Stainless Steel
Fan(s)	Eight, 0.5hp TEFC	Two, 4kW
Pump(s)	Two, 5hp, non-ferrous, vertical centrifugal	Two, 5.5hp, non-ferrous, horizontal centrifugal
Controller	Carel PCO5 controller with Carel pGD1 remote display with 150' of cable (requires ½" conduit)	Carel c.PCO controller with Carel PGNE remote display with 150' of cable (requires ½" conduit)
Certifications	Compliant with UL1995 standards; OSHPD, CE, and CSA available as options	Compliant with UL1995 standards
Upgrades (if applicable)	Seismic, Coastal, Low Ambient, Coastal and Low Ambient	Coastal, Low Ambient, Coastal and Low Ambient

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'

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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 available at various concentrations in 55 gallon drums or 5 gallon pails

Warranty/Services

Dimplex Thermal Solutions offers various services that can be performed by our certified technicians. These can be quoted at the time of purchase by our Sales Team, or as aftermarket services by our Parts Team. Please reach out to Dimplex for additional information.

Available services

Start Up Assistance	A DTS certified rep will come to site to inspect and start a new chiller to full operation
Planned Maintenance Program	A DTS certified rep will come to site 2 times a year to perform a maintenance check on the chiller. The tech will perform a full operational check and make any recommendations for repairs needed.
Start Up Plus	This includes: 1 startup and 2 PMs that can occur during your chiller warranty. This also extends your warranty an additional 6 months.
Field Evaluation	A DTS certified rep will come to site to inspect an existing chiller or in-process installation
Field Training	A DTS factory rep will come to site to train specified personnel on chiller operation and basic function.
Field Repairs	A DTS certified technician will complete a repair to an existing chiller and recommend any additional repairs or changes needed to keep the chiller in full operation

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Please reach out to Dimplex Thermal Solutions' Parts team to inquire on or request a quote on any of these services at 800-968-5665 X708

Version	Revision Date	Description of Change	Changes Made By (Name & Title):
001	12/15/16	Creation of document	Kyle Hastings, Medical Service Manager
002	2/1/22	Add updated design specs	Ben Post, Project Engineer

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