

## Water Chiller Selection Guide

In order to operate any Miyachi Unitek Laser to peak performance, the laser must be adequately cooled through the use of an external water chiller. Amada Miyachi America (AMYA) uses and recommends the OptiTemp OTC series Indoor Water-Chillers. Each OptiTemp chiller is manufactured to Amada Miyachi America's specifications and differs slightly from their off-the-shelf models. Use the tables below to properly select the correct water chiller based on the Laser model (the most common options are noted in *red*). Chillers are shipped without water fittings. For plug-n-play operation, order the optional Water Connection Kit to get the proper water fittings (based on the Water Chiller).

1. Choose the properly sized Water Chiller for your Laser Model from the table below:

AMYA Laser Model	Recommended Chiller	Water Connection	Water Connection Kit	Hose Size
LW50A(E)/70A(E)	OTC-1.0A	½" MNPT	<i>4-69984-01</i>	15mm
LW150A(E)	OTC-2.0A	1" MNPT		
LW300A(H)(E)/400A(E)	OTC-5.0A			
LW500A(E)/600A(E)	OTC-7.5A	1¼" MNPT	<i>4-69985-01</i>	19mm

2. Find the Amada Miyachi Part Number based on your shipping destination and A.C. voltage requirements

### Standard Water-Chiller (U.S. destinations)

OptiTemp Chiller	AMYA Part Number (based on input voltage option)		
	200VAC / 1Ø / 50Hz 208-230VAC / 1Ø / 60Hz	200-220VAC / 3Ø / 50Hz 208-230VAC / 3Ø / 60Hz	380-420VAC / 3Ø / 50Hz 460VAC / 3Ø / 60Hz
<b>OTC-1.0A</b>	4-66736-01	<i>4-66736-02</i>	4-66736-03
<b>OTC-2.0A</b>	4-66736-04	<i>4-66736-05</i>	4-66736-06
<b>OTC-5.0A</b>	N/A	<i>4-66736-07</i>	4-66736-08
<b>OTC-7.5A</b>	N/A	<i>4-66736-09</i>	4-66736-10

### Standard Water-Chiller (E.U. destinations) – CE Compliant models

OptiTemp Chiller	AMYA Part Number (based on input voltage option)		
	200VAC / 1Ø / 50Hz 208-230VAC / 1Ø / 60Hz	200-220VAC / 3Ø / 50Hz 208-230VAC / 3Ø / 60Hz	380-420VAC / 3Ø / 50Hz 460VAC / 3Ø / 60Hz
<b>OTC-1.0A</b>	4-66736-21	<i>4-66736-22</i>	4-66736-23
<b>OTC-2.0A</b>	4-66736-24	<i>4-66736-25</i>	4-66736-26
<b>OTC-5.0A</b>	N/A	<i>4-66736-27</i>	4-66736-28
<b>OTC-7.5A</b>	N/A	<i>4-66736-29</i>	4-66736-30

### Spare Parts – AMYA Part Number

Spare Part	Water-Chiller Model			
	OTC-1.0A	OTC-2.0A	OTC-5.0A	OTC-7.5A
<b>Particle Filter</b>	318-037	318-037	318-038	318-039
<b>Corrosion Inhibitor</b>	900-363			900-363 (x 2)