

## ACTS-40 Specifications

<b>Basic Tower Construction Materials</b>	
Tower support frame assembly:	-
Casing:	FRP
Casing supporter:	Nylon
Cold water basin:	FRP
Filling:	PVC
Filling support:	PVC
Fan guard:	PP
Mechanical equipment support	HDGS
Air inlet louver:	PVC
<b>Structural Details</b>	
Overall diameter:	72 in
Overall height:	75 in
Dry weight:	369 lbs
Operating weight:	1,133 lbs
Total pump head:	6.6 ft
Design wind load:	30.7 lb/sq ft
<b>Fan Motor</b>	
Number of motors:	one unit per
Type:	Induction
Insulation:	E class
Rated HP:	1.5 h. p.
Voltage and phase:	220/440-3

<b>Piping Connections</b>	
Primary water inlet diameter:	2.5 in
Primary water outlet diameter:	2.5 in
Auto fill inlet diameter:	0.75 in
Quick fill inlet diameter:	- in
Overflow outlet diameter:	1 in
Drain diameter:	1 in
<b>Design and Operating Conditions</b>	
Nominal Tons:	40
Tower type:	Counter Flow
Water flow rates:	83 gpm
Hot water temperature:	95° f
Cold water temperature:	85° f
Ambient wet bulb temperature:	75° f
Total fan BHP:	1.5 h. p.
Drift loss of water flow rates:	0.002%
Evaporation loss of water flow rates:	0.93%
<b>Mechanical Equipment</b>	
Fan unit:	one unit per
Type:	Axial Flow
Diameter:	38 in
Blade material:	AC
Hub material:	AC
Nominal air volume:	9,800 cfm

# American Chillers & Cooling Tower Systems

## Assembly Diagram



