

CTS-CL SERIES CLOSED-LOOP COOLING TOWER SYSTEM SPECS

GENERAL DATA

*Nominal tons based on cooling 3GPM per ton from 95°F to 85°F at 78°F wet bulb

Model #	Tons*	Fan HP	Op. Wt.	Ship Wt.	Length	Width	Height
PCTC-01A	31	1	2300	1000	7'-7"	4'-9¼"	7'-4¼"
PCTC-01B	39	2	2300	1000	7'-7"	4'-9¼"	7'-4¼"
PCTC-01C	44	3	2300	1000	7'-7"	4'-9¼"	7'-4¼"
PCTC-01D	50	5	2300	1000	7'-7"	4'-9¼"	7'-4¼"
PCTC-02B	61	2	3700	1700	8'-7"	6'-5¼"	8'-10"
PCTC-02C	70	3	3700	1700	8'-7"	6'-5¼"	8'-10"
PCTC-02D	81	4	3700	1700	8'-7"	6'-5¼"	8'-10"
PCTC-02E	91	7.5	3700	1700	8'-7"	6'-5¼"	8'-10"
PCTC-03C	99	3	5100	2200	10'-1"	8'5"	8'-10¾"
PCTC-03D	115	5	5100	2200	10'-1"	8'5"	8'-10¾"
PCTC-03E	131	7.5	5100	2200	10'-1"	8'5"	8'-10¾"
PCTC-03F	142	10	5100	2200	10'-1"	8'5"	8'-10¾"
PCTC-03G	162	15	5100	2200	10'-1"	8'5"	8'-10¾"
PCTC-04D	172	5	8800	3400	10'-5½"	14'-1½"	14'-3"
PCTC-04E	194	7.5	8800	3400	10'-5½"	14'-1½"	14'-3"
PCTC-04F	211	10	8800	3400	10'-5½"	14'-1½"	14'-3"
PCTC-04G	238	15	8800	3400	10'-5½"	14'-1½"	14'-3"
PCTC-05D	205	5	10100	4000	10'-5½"	14'-½"	14'-3"
PCTC-05E	230	7.5	10100	4000	10'-5½"	14'-½"	14'-3"
PCTC-05F	249	10	10100	4000	10'-5½"	14'-½"	14'-3"
PCTC-05G	281	15	10100	4000	10'-5½"	14'-½"	14'-3"
PCTC-05H	306	20	10100	4000	10'-5½"	14'-½"	14'-3"
PCTC-05J	326	25	10100	4000	10'-5½"	14'-½"	14'-3"

PUMPS

Type	End suction, close coupled centrifugal design
Construction	Cast iron with mechanical seals
Motor	Open Drip Proof motors (TEFC optional)

TRIM

Suction	Extends into tank and cut at 45° angle; Butterfly valve
Discharge	Flow balancing valve; Check valve (process pump)
Features	Liquid filled pressure gauge on pump discharge

HEAT EXCHANGER

Type	Plate & Frame
Construction	304 stainless steel plates; NBR gaskets; Carbon steel frame

PUMP/TANK GENERAL DATA

Model WT-	150	400	600	1000	1500	2000	2750	3000	4000	5000
Capacity (gal)	150	400	600	1000	1500	2000	2750	3000	4000	5000
Length	60"	96"	96"	96"	108"	120"	136"	148"	178"	206"
Width	48"	48"	72"	72"	96"	96"	96"	96"	96"	96"
Height	48"	52"	54"	78"	78"	90"	102"	102"	102"	102"
Weight (lb) (dry)	600	1130	1240	2000	2470	2890	3000	3600	4420	5030
Weight (lb) (full)	1852	3470	5245	8676	12470	14610	21325	23648	31144	38410

Pump (hp)	2	3	5	7.5	10	15	20	25	30	40
Flow (gpm) @ 65psi	8	10	75	125	175	275	350	500	600	800
Flow (gpm) @ 25psi	75	125	200	275	400	500	900	1100	na	na
FLA 230-3-60	6.8	9.6	15.2	22	28	42	54	68	80	130
FLA 460-3-60	3.4	4.8	7.6	11	14	21	27	34	40	65

PUMP/TANK CONSTRUCTION

Frame	Heavy gauge carbon steel support frame with cross bracing; Solid deck; Fully welded seams both inside & out; Chilled water tanks have ½" closed-cell foam insulation
Tank	Heavy gauge steel plate (optional stainless steel)
Finish	Interior finished with coal/tar epoxy; Primed & painted with acrylic enamel
Features	Removable cover; Automatic water make-up; Drain; Sight glass; Tank overflow

PUMP/TANK ELECTRICAL PANEL

Panel	NEMA 12 rated electrical panel
Controls & Indicators	Factory mounted controls and sensors Pump indicator light and switches Tower water tanks available with electronic thermostat fan control
Features	Motor contactors & overloads Control voltage transformer