

WATER COOLERS

VOLTAS
A TATA PRODUCTS



**WATER COOLERS
WITH SLEEK AND
SOFT LOOK BODY
DESIGN**

WATER COOLER –MODELS VARIANTS



MODELS	COOLING CAPACITY-LPH	STORAGE CAPACITY-Ltr	REFRIGERANT USED
20/20-PSS/FSS	20	20	R134a
20/40-PSS/FSS	20	40	R134a
40/40-PSS/FSS	40	40	R134a
40/80-PSS/FSS	40	80	R134a
60/80-PSS/FSS	60	80	R134a
60/120-PSS/FSS	60	120	R134a
150/150-PSS/FSS	150	150	R22
150/150-ROTARY	150	150	R22
150/150-FSS	150	150	R134a
150/300-PSS/FSS	150	300	R134a
WATER COLLERS WITH FEATURES ADDED KITS			
UV-SYSTEM (3 STAGE	40,60,150	80,120,150	R134a
RO-SYSTEM (5 STAGE	40,60	80,120	R134a
NCW-PSS/FSS	20,40,60,150	40,80,120,150	R134a
UV+NCW PSS/FSS	20,40,60,150	40,80,120,150	R134a

ABBRN*RO=>REVERSE OSMOSYS , UV=>,ULTRA VIOLET,NCW=> NORMAL & COLD WATER PSS/FSS=> PARTIAL/FULLY STAINLESS STEEL

SPECIFICATION-WATER COOLERS-20/20,20/40 & 40/40



S.No	PARAMETERS DESCRIPTION	20/20 PSS & FSS	20/40 PSS & FSS	40/40 PSS & FSS
1	STORAGE CAPACITY (Ltrs)	20	40	40
2	COOLING CAPACITY (Ltrs/Hour)	20	20	40
3	CABINET MATERIAL	SS OR G.I POWDER COATED	SS OR G.I POWDER COATED	SS OR G.I POWDER COATED
4	WATER TANK	SS-304	SS-304	SS-304
5	INSULATING MATERIAL	35 mm Thick Polyurathane Foam	35 mm Thick Polyurathane Foam	35 mm Thick Polyurathane Foam
6	FOOT	SS / HDPE (Optional)	SS / HDPE (Optional)	SS / HDPE (Optional)
7	NUMBER OF FUCETS	1	1	1
8	COMPRESSOR MODEL	MA 42 / B 43 H	MA 42 / B 43 H	HUYAI X 80GL
9	EVAPORATOR	Copper Tube	Copper Tube	Copper Tube
10	CONDENSER	Fin and Tube	Fin and Tube	Fin and Tube
11	CONDENSER FAN	Propellar	Propellar	Propellar
12	THERMOSTAT	Automatic, Mechanical Type,T-08	Automatic, Mechanical Type,T-08	Automatic, Mechanical Type,T-08
13	DEFROSTING	Semi Automatic mechanism by TS	Semi Automatic mechanism by TS	Semi Automatic mechanism by TS
14	REFRIGERANT	R- 134 a	R- 134 a	R - 134a
15	AMPIER (A)-Max	3.5	3.5	5
16	RATED SUPPLY	230 Volts ; 50 Hz ; 1 Ph	230 Volts ; 50 Hz ; 1 Ph	230 Volts ; 50 Hz ; 1 Ph
17	POWER CONSUMTION AT RATED CONDITION-WATT	400	400	575
18	OVER ALL PRODUCT DIMENSIONS W/O TROUGH (WxDxH) mm	364 X 364 X 1117	461 X 441 X 1217	461 X 441 X 1217
19	OVER ALL PRODUCT DIMENSIONS WITH TROUGH (WxDxH) mm	364 X 505 X 1117	461 X 582 X 1217	461 X 582 X 1217
20	GROSS WEIGHT (kg)	25	41	45
21	NET WEIGHT (kg)	20	32	36
22	PACKED DIMENSIONS (WxDxH) mm	460 x 475 x 1130	550 x 560 x 1230	550 x 560 x 1230

SPECIFICATION-WATER COOLERS-40/80,60/80 & 60/120



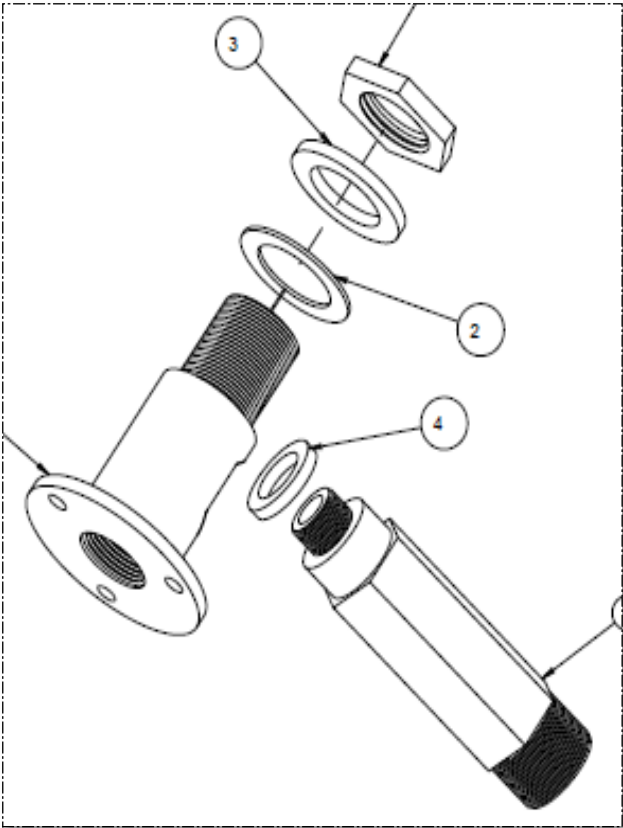
S.No	PARAMETERS DESCRIPTION	40/80 PSS & FSS	60/80 PSS & FSS	60/120 PSS & FSS
1	STORAGE CAPACITY (Ltrs)	80	80	120
2	COOLING CAPACITY (Ltrs/Hour)	40	60	60
3	CABINET MATERIAL	SS OR G.I POWDER COATED	SS OR G.I POWDER COATED	SS OR G.I POWDER COATED
4	WATER TANK	SS-304	SS-304	SS-304
5	INSULATING MATERIAL	35 mm Thick Polyurathane Foam	35 mm Thick Polyurathane Foam	35 mm Thick Polyurathane Foam
6	FOOT	SS / HDPE (Optional)	SS / HDPE (Optional)	SS / HDPE (Optional)
7	NUMBER OF FUCETS	2	2	2
8	COMPRESSOR MODEL	HYUAI X 80GL	KCE 463 HAE	KCE 463 HAE
9	EVAPORATOR	Copper Tube	Copper Tube	Copper Tube
10	CONDENSER	Fin and Tube	Fin and Tube	Fin and Tube
11	CONDENSER FAN	Propellar	Propellar	Propellar
12	THERMOSTAT	Automatic, Mechanical Type,T-08	Automatic, Mechanical Type,T-08	Automatic, Mechanical Type,T-08
13	DEFROSTING	Semi Automatic mechanism by TS	Semi Automatic mechanism by TS	Semi Automatic mechanism by TS
14	REFRIGERANT	R-134a	R-134a	R-134a
15	AMPIER (A)-Max	5	6	6
16	RATED SUPPLY	230 Volts ; 50 Hz ; 1 Ph	230 Volts ; 50 Hz ; 1 Ph	230 Volts ; 50 Hz ; 1 Ph
17	POWER CONSUMPTION AT RATED CONDITION-WATT	575	775	775
18	OVER ALL PRODUCT DIMENSIONS W/O TROUGH (WxDxH) mm	461 X 441 X 1441	461 X 441 X 1441	564 X 564 X 1397
19	OVER ALL PRODUCT DIMENSIONS WITH TROUGH (WxDxH) mm	461 X 582 X 1441	461 X 582 X 1441	564 X 705 X 1397
20	GROSS WEIGHT (kg)	50	54	69
21	NET WEIGHT (kg)	40	44	57
22	PACKED DIMENSIONS (WxDxH) mm	550 x 560 x 1470	550 x 560 x 1470	660 x 690 x 1400

SPECIFICATION-WATER COOLERS-150/150, & 150/300



S.No	PARAMETERS DESCRIPTION	150/150 PSS & FSS- RECIP.COMP	150/150 PSS & FSS- ROTARY COMP	150/300 PSS & FSS- RECIP COMP
1	STORAGE CAPACITY (Ltrs)	150	150	300
2	COOLING CAPACITY (Ltrs/Hour)	150	150	150
3	CABINET MATERIAL	SS OR G.I POWDER COATED	SS OR G.I POWDER COATED	SS OR G.I POWDER COATED
4	WATER TANK	SS-304	SS-304	SS-304
5	INSULATING MATERIAL	45 mm Thick Polyurathane Foam	45 mm Thick Polyurathane Foam	45 mm Thick Polyurathane Foam
6	FOOT	SS / HDPE (Optional)	SS / HDPE (Optional)	SS / HDPE (Optional)
7	NUMBER OF FUCETS	2	2	5 (3+2 OPTIONAL)
8	COMPRESSOR MODEL	KCJ 513 HAE	SL193-ROTARY	KCM 511-CAL-B315H
9	EVAPORATOR	Copper Tube	Copper Tube	Copper Tube
10	CONDENSER	Fin and Tube	Fin and Tube	Fin and Tube
11	CONDENSER FAN	Propellar	Propellar	Propellar
12	THERMOSTAT	Automatic, Mechanical Type,T-08	Automatic, Mechanical Type,T-08	Automatic, Mechanical Type,T-08
13	DEFROSTING	Semi Automatic mechanism by TS	Semi Automatic mechanism by TS	Semi Automatic mechanism by TS
14	REFRIGERANT	R - 22	R - 22	R - 134a
15	AMPIER (A)-Max	8.5	8.5	8.5
16	RATED SUPPLY	230 Volts ; 50 Hz ; 1 Ph	230 Volts ; 50 Hz ; 1 Ph	230 Volts ; 50 Hz ; 1 Ph
17	POWER CONSUMTION AT RATED CONDITION-WATT	1550	1550	1550
18	OVER ALL PRODUCT DIMENSIONS W/O TROUGH (WxDxH) mm	564 X 564 X 1521	564 X 564 X 1521	1250x750x1500
19	OVER ALL PRODUCT DIMENSIONS WITH TROUGH (WxDxH) mm	564 X 705 X 1521	564 X 705 X 1521	1250x890x1500
20	GROSS WEIGHT (kg)	88	81	148
21	NET WEIGHT (kg)	76	69	135
22	PACKED DIMENSIONS (WxDxH) mm	630 x 650 x 1550	630 x 650 x 1550	705x1090x1540

WATER COOLER WITH NCW-(Normal & Colder Water)



APPLICATIONS		WATER COOLERS-NCW	
PARAMETER	SPECIFICATION	REMARKS	
MATERIAL OF ADAPTER	BRASS,62~68 % Cu Base		
TYPE OF TREADS ON ADAPTER	BRITISH STANDARD		
TREADS ON ADAPTER	ON MAIN ADAPTER-1/2",14 TPI & 1/4" 14 TPI		WATER PRESSUR E SHOULD BE IN RANGE OF 4 TO 16.8 PSI
	ON AUX. ADAPTER-1/2",14 TPI & 1/4" 19 TPI		
WATER FLOW TUBE	PE TUBE 3/8" USED, (FOOD GRADE)		
WATER FLOW RATE	> 150 LPH	160 LPH	

WATER COOLER WITH INBUILT UV-SYSTEM



Technical Specification-UV System

SN No	Description	Parameter
1	Filtration Capacity	up to 150 LPH
2	Power Consumption-Watt	65 $\pm$ 10%
3	Operating Voltage	130-300 V AC, 50 Hz.1Ph
4	Primary Protection	Fuse
5	Estimated Life of UV Tube	5000 Hrs
6	Operating Temperature	0 $^{\circ}$ C to 45 $^{\circ}$ C
7	No of Filtration stage	3
8	Ist Stage Filtration	Sediment Filtration
9	IIInd Stage Filtration	Carbon Filtration
10	IIIrd Stage Filtration	UV Filtration
11	Nature of Operation	Automatic
12	Inlet Water Pressure	0.5 to 2 Kgf/Cm ²
13	Body Material	SS304
14	Dimension	300x270x200
15	Weight-Kg (w/o Water)	3.5

WATER COOLERS WITH INBUILT RO-SYSTEM



SI No.	ITEM DESCRIPTION	UNIT	PARAMETER
1	MODEL	N/A	40/80 & 60/120
2	PURIFICATION CAPACITY	LPH	UP TO 60
3	PURIFICATION STAGE	Stage	5
4	RECOVERY	%	UP TO 40
5	FEED TDS OF WATER	PPM	UP TO 2000
6	TDS REDUCTION	%	85 TO 95
7	POWER CONSUMPTION (RO UNIT ONLY)	W	105
8	ESTMATED LIFE OF UV LAMP	Hrs	5000
9	INLET WATER PRESSURE	Kgf/Cm2	0.5 min to 2 max
10	NATURE OF OPERATION	N/A	AUTOMATIC
11	OPERATING TEMP	° C	0 to 45
12	APPROX. NET WEIGHT (DRY)	Kg	10