BULK MILK COOLER
TECHNICAL SPECIFICATIONS CAP. 1000 LPD

OVER ALL DIMENSION -A (MILK TANK)

Material use for construction	SS 304
Overall dimension	1250 x 1600 x 900
Thickness of inner shell	2mm
Thickness of outer shell	1.5mm
Insulation Thickness	50mm

OVER ALL DIMENSION -B (REFRIGERATION UNIT)

653 x 470 x 667

SL.NO.	DESCRIPTION	TECHNICAL DETAILS
A.	MILK TANK	
1	Rated Capacity	1000 LPD
2	Gross Capacity	1100 Ltrs.
3	Make	PROCESS ENGINEERS @ASSOCIATES
4	Model	DX-HCH-1
5	Shape & Orientation	Semi cylindrical horizontal open top
6	Number & RPM of Agitators	One - 25 RPM
7	CIP Facility	Manual
8	Insulation Type	Puff 40 density
9	Insulation Efficiency	Allow to rise 2 deg. C maximum in 8 Hrs.
10	Facility to measure the milk volume	Dip Stick calibrated
B	REFRIGEARATION UNIT	(COMPLETE CONDENSING UNIT OF EMERSON CLIMATE (FORMERLY KIRLOSKAR COPLAND) MODEL - KHJ513PAEB30820
1	Make/Model/ Size of compressor operation conditions	Emerson Climate
	0 degree C 50 degree C condensing Temp.	KCJ-513
2	Make,Model & Size of Condenser	Emerson Climate
3	Number & Cooling capacity of compressor (Kcal/Hr) at	One
	evaporating & condensing temperature	2500 Kcal/Hr.
4	Capacity of Condenser (s) &	Air Cooled 4250 Kcal/Hr
	No. of Fan(s)	One
5	Thermostatic expansion valve, make size, capacity.	Denfoss/Alco
6	Type of Refrigerant	R-22

C ELECTRICALS

1 Connected in Watts & Amperers for :

Compessor	1420 W
Condenser(s) Fan	180 W
Agitator	80 W
milk pump	1 HP

D DESIGN PARAMETERS

1	Ambient temperature considered for design	38 Deg. Cent.
2	Maximum cooling time considered for ALL & SECOND MILKING	3 Hours for 1st cooling and 1.5 hours for 2nd
3	Temperature range considered for ALL & SECOND MILKING	35 Deg. Cent. For all 10˚C to 4˚C for second