

(ALL DIMENSIONS ARE IN mm)

7

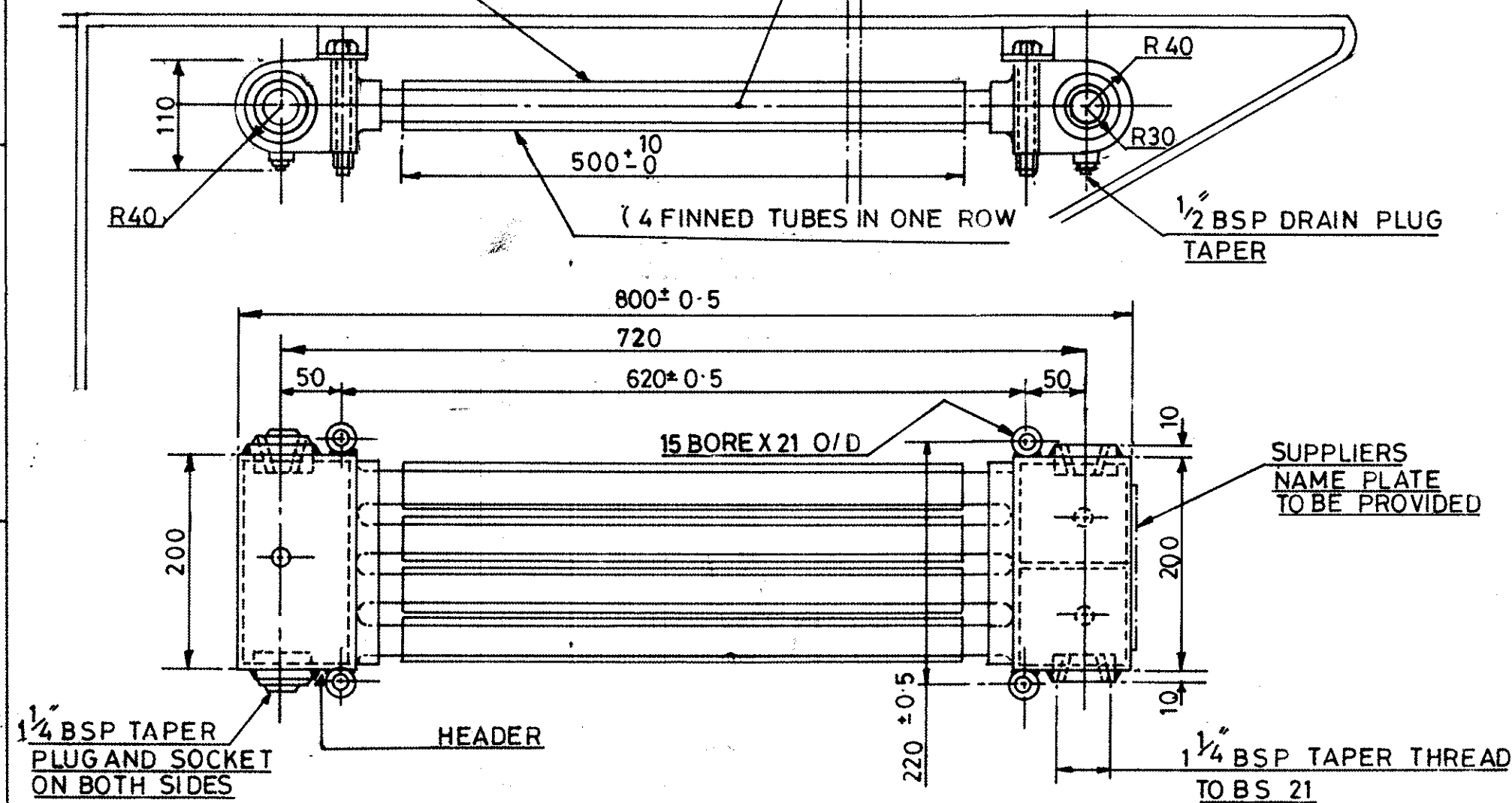
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ALUMINIUM FINNED HEAT EXCHANGER 25 TO 30 FINS
100mm RUN LENGTH



1. ALL SHARP EDGES AND CORNERS TO BE ROUNDED OFF.
2. THIS DRG ISSUED FOR TENDER ENQUIRY INDICATES OVER ALL DIMENSIONS AND DESIGN FEATURES OF AFTER COOLER WHICH ARE PREFERRED FOR INSTALLATION ON ELECTRIC LOCOS. DIMENSIONS MARKED WITH ASTERISKS ARE BINDING. OTHER DETAILS OF DESIGNS ARE LEFT TO THE TENDERERS TO DECIDE WHO WILL FURNISH THEIR DETAILED DRAWING FOR APPROVAL AND TWO PROTOTYPE SAMPLES FOR TEST AND SERVICE TRIALS.
3. PLASTIC CAPS TO BE PROVIDED AT THE PIPE CONNECTIONS AFTER INSPECTION & TESTING. THE CAPS SHOULD BEAR THE SIZE OF BSP/NPT THREADS MARKED ON THEM.

- 1 THE CAPACITY OF MAIN AIR COMPRESSOR DELIVERY INSTALLED *INDIESEL ELECTRIC* LOCO IS 1000 LITRES/MIN.
- 2 THIS AFTER COOLER IS LOCATED APPROXIMATELY TWO METERS AWAY FROM MAIN COMPRESSOR DELIVERY END AND CONNECTED BY 1 1/4" BORE STEEL PIPE.
- 3 THE CAPACITY OF THE AFTER COOLER SHALL BE ADEQUATE TO MATCH WITH THE MAIN COMPRESSOR AIR DELIVERY CONDITIONS ON *DIESEL ELECTRIC* LOCOS.
- 4 TEMPERATURE OF AIR AT THE DELIVERY END OF MAIN COMPRESSOR WILL BE 125°C MAX. AND PRESSURE 8 Kg/cm² THIS AFTER COOLER IS REQUIRED TO COOL DOWN THE HOT AIR (TEMP 125°C) TO TEMPERATURE OF 82°C.
- 5 SUPPLIER SHALL GAURENTEE SATISFACTORY PERFORMANCE OF AFTER COOLER FOR A PERIOD OF 24 MONTH FROM THE DATE OF COMMISSIONING OF *DIESEL ELECTRIC* LOCO ON WHICH IT INSTALLED.
- 6 ANTICORROSSIVE TREATMENT SHOULD BE DONE ON THE INSIDE SURFACES OF HEADERS TO PREVENT CORROSSION IN SERVICE; WORKING PRESSURE = 8 Kg/cm² FOR AIR.

TEST PRESSURE = 12 Kg/cm² (AIR)

TEST PRESSURE = 16 Kg/cm² (HYD)

STYLE LIST				
STYLE NO	ITEM	DESCRIPTION	VERIFIED	
	VAR		SIGN	DATE
709015	001	AFTER COOLER FOR MAIN COMPRESSOR	<i>[Signature]</i>	6-10-97
709136				

001										001 AFTER COOLER FOR MAIN COMPRESSOR CAP 1000L / MIN																																	
59	64	65	75				78	79	25	27	29	58	59	60	77				29	31	34	45	55	57	58	65	72																
VAR		OO	REMARKS				IVAR		ITEM		DESCRIPTION		STD		DRAWING NO.				JL		NO	MATL CODE		A		UNIT WT.		OS		ZONE													
28		CARD TYPE-3										28		CARD TYPE-1										28		CARD TYPE-2																	

ADDITIONAL INFORMATION		
STATUS OF DRAWING		
DISTRIBUTION OF PRINTS		
LME (DV)	1	LMP (DV)
LMM (DV)	3	BAY1&2 (DV)
BAY3 (DV)	1	

TYPE OF PRODUCT DESL / 25KV ELECTRIC LOCOMOTIVE
OR
NAME OF CUSTOMER/PROJECT

 BHARAT HEAVY ELECTRICALS LIMITED JHANSI	DRN.	NAME	SIGN	DATE	73 74
	CHD.	P K K	<i>P. K. K.</i>	4/9/97	NO. OF
	APPD.	M L	<i>M. L.</i>	10-10-97	VAR.

REV	DATE	ALTERED	REV	DATE	ALTERED	REV	DATE	ALTERED
03	12/12/06	CHECKED	02	28/9/05	CHECKED	01	23.5.00	CHECKED
ZONE ITEM 002 DELETED & DRG UPDATED.			ZONE 1 1/4" BSP TAPER PLUG, 1 1/4" BSP TAPER PLUG.			ZONE STYLE NO. UPDATED.		

DEPT. LME	GRADE OF UN TOL DIM C/M/F		SCALE N-TS	WEIGHT (Kg) —	REF. TO ASSY. DRG 1719 34 01 022	ITEM NO. 001	75 76 ITEMS 001
CODE 404	TITLE <u>AFTER COOLER FOR MAIN COMPRESSOR</u>			CARD CODE 3	DRAWING NO. 2 718 19 01 082	22 23 24 REV. 03	
					SHEET NO. 01	NO OF SHEETS 01	

SIZE A 2

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SIGN. & DATE 013165 120 REF. DRG. NO.

INVENTORY NO.