

Plant				
NO	DESCRIPTION	UNIT	QTY	REMARKS
	Evaporator DM.13208-000-B11-007-010			
1	SMLS Tube Dia 44.5mm 2.9mm Thk (Nom.) 2.6mm Thk (Min.) Tube Mat: SA-192 ; 1560 mm Finned Length 100/375mm Plain Ends Fin Height 12.7mm; 0.8mm Thk ;Serrated Spiral ; CS; 300 Fins/Mtr. Fins Material : SS-304	NOS	44.0	
2	SMLS Tube Dia 44.5mm 2.9mm Thk (Nom.) 2.6mm Thk (Min.) Tube Mat: SA-192 ; 1560 mm Finned Length 100/100mm Plain Ends Fin Height 12.7mm; 0.8mm Thk ;Serrated Spiral ; CS; 300 Fins/Mtr. Fins Material : SS-304	NOS	132.0	
3	Tube; CS ; SMLS ; PE ; SA 234 WPB ; 3.2 mm THK (min); 44.5 mm OD.	NOS	154.0	
	Economizer DM.13208-000-B12-001-002			
1	SMLS Tube Dia 31.8mm 2.9mm Thk (Nom.) 2.6mm Thk (Min.) Tube Mat: SA-192 ; 1560 mm Finned Length 100/686mm Plain Ends Fin Height 12.7mm; 0.8mm Thk ;Serrated Spiral ; CS; 300 Fins/Mtr. Fins Material : SS-304	NOS	2.0	
2	SMLS Tube Dia 31.8mm 2.9mm Thk (Nom.) 2.6mm Thk (Min.) Tube Mat: SA-192 ; 1560 mm Finned Length 100/100mm Plain Ends Fin Height 12.7mm; 0.8mm Thk ;Serrated Spiral ; CS; 300 Fins/Mtr . Fins Material : SS-304	NOS	118.0	
3	Tube Bend; CS ; SMLS ; PE ; SA-234 WPB ; 3.2 mm THK ; 31.8 mm OD.	NOS	119.0	
THIRD PARTY INSPECTION IN MANUFACTURER / MILL IS REQUIRED, MILL TEST CERTIFICATE & ACC TO EN10204/3.1				
PACKING REQUIRED FOR SAFE TRANSPORTATION AND STORAGE				
PLEASE SPECIFY MINIMUM DELIVERY PERIOD				
THE TUBES MUST BE EDDY CURRENT TESTED				
THE PRICE SHOULD BE CFR KARACHI				
NACE MR 0175 IS APPLICABLE TO ALL ITEMS, MENTIONED ABOVE				
CONMPLYING THE ABOVE MENTIONED NOTES WILL NOT RELIEVE THE VENDOR FROM ANY OTHER REQUIREMENTS OF RELEVENT CODES				
THE QUANTITIES MAY CHANGE A BIT AT FINAL PURCHASING STAGE				
Carbon steel materials to be used for and welded to the pressure retaining parts shall have the following chemical compositions.				
a. Carbon content (C) $\leq 0.25\%$				
b. Carbon equivalent (Ceq.) $\leq 0.41\%$, where Ceq. = C + Mn/6				