



128-C		
REFRIG. COMP. 3RD STAGE INTERCOOLER		
	SHELL	TUBE
DES./OPER.TEMP	°C 120/81.1;42	80/36;44.1
DES./OPER.PRESS	kg/cm2G 19.8/7.12	10/4
INSULATION/THICK	mm PP/25	NO/-
MATERIAL	CS	CS
DIMENSION (ID SHELLxL)	mm 1100x3500	
SURFACE AREA	m2 709	

- NOTES
- FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.
  - DELETED.
  - SEE DRAWING 13N FOR STEAM SIDE PIPING.
  - REFER TO WRITE-UP CONTROL SYSTEMS ENGINEERING FOR INTERLOCK DESCRIPTION.
  - DELETED.

1	RE-ISSUED FOR CONSTRUCTION (AFC-3)	TS	ABA	DU	HCB	ANG	HK	US	14/11/13
2	RE-ISSUED FOR CONSTRUCTION (AFC-2)	TS	ABA	DU	HCB	ANG	HK	US	25/06/13
3	RE-ISSUED FOR CONSTRUCTION (AFC-1)	TS	ABA	DU	HCB	ANG	HK	US	10/04/13
4	ISSUED FOR CONSTRUCTION (AFC)	EB	ABA	DU	RK	LI	SHL	US	26/11/12
5	RE-ISSUED FOR APPROVAL (AFD-1)	EB	ABA	DU	RK	LI	SHL	US	29/08/12
6	ISSUED FOR APPROVAL (AFD)	EB	ABA	DU	RK	LI	SHL	US	22/04/12
7	ISSUED FOR DETAIL DESIGN (AFD-2)	EB	ABA	JHM	YSA	BNP	N/N	SHL	14/02/12
REV.	DESCRIPTION	DRWN	CHNG	DESIGN	APPROV	AUTH	AUTH	ISSUE	DATE

PROJECT NAME: KALTIM-5 PROJECT  
2500 MTPD AMMONIA AND 3500 MTPD UREA  
BONTANG, EAST KALIMANTAN, INDONESIA

CLIENT NAME: PT. PUPUK KALIMANTAN TIMUR

Engineering Services by  
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PIPING & INSTRUMENT FLOW DIAGRAM  
AMMONIA REFRIGERANT COMPRESSOR

SCALE: DWG. NO. K5-01-E1-PD-SW-T

DOC. NO. K5-01-E1-PD-024-T SHEET 024/073 REV.8

105-J		
AMMONIA REFRIGERANT COMPRESSOR		
	SUCT.	DISCH.
NOR. PRESS.	kg/cm2G -0.013	18.77
NOR. TEMP.	°C 42	
CAPACITY (DESIGN)	Nm3/h 186499	
POWER DESIGN	kW 11396	

105-JT		
TURBINE FOR AMMONIA REFRIGERANT COMPRESSOR		
DES./OPER.TEMP	°C 530/510	
DES./OPER.PRESS	kg/cm2G 136.4;52/122.5;46.9	
RATED POWER	kW 13326	