

RECIPROCATING PUMP SPECIFICATION
 VENDOR MUST COMPLETE THIS SPECIFICATION SHEET BEFORE RETURNING

100043 - 100045
 HOECHST-UHDE CORPORATION

CUSTOMER Nitrogen Inc.						PROJ. NO. 2-260									
LOCATION Donaldsonville, La.						ITEM NO. P-201A, B & S									
SERVICE OF UNIT Carbamate Pumps						DATE 10/9/69 BY									
NO. REQ'D. 3			MOTOR DRIVEN, AND			DRIVEN. VENDOR Uraca			MFR'S TYPE NO. KD 515						
OPERATING CONDITIONS															
LIQUID PUMPED Carbamate				CAPACITY - NORM. 17/129				GPM		SUCTION PRESS (MIN) 40.4		PSIG			
PUMPING TEMPERATURE 140 °F				CAPACITY - DESIGN 129				GPM		DISCH. PRESS (MAX) 2275		PSIG			
SPEC. GR. @ P.T. 1.1				NPSH AVAIL 39				FT		DIFF. PRESS (NORM.) 2074.6		PSIG			
VISCOSITY @ P.T. C.P.				NPSH REQ'D. 32				FT		DIFF. PRESS (DESIGN) 2234.60		PSIG			
VAPOR PRESS @ P.T. PSIA				HYDRAULIC H.P. (DESIGN) 195						DIFF. HEAD (DESIGN)		FT			
CORROSION				B.H.P. @ RATING 300											
SOLIDS															
CONSTRUCTION						MATERIALS									
NO. OF PLUNGERS. 3			STALLING PRESSURE			PSIG			STEAM END						
PLUNGER DIA. 108mm INCH			STEAM CHEST PRESS.			PSIG			CYLINDER			--			
STROKE 220mm INCH			HYDRO TEST PRESSURE			PSIG			PISTON/PLUNGER			--			
STROKES 11/83.5 R.P.M.			LIQUID SIZE POS. 6"						PISTON ROD			--			
PLUNGER PISTON SPEED MAX 0.08/0.96 FT/S			SUCT. RATING		300# RF				PACKING-GLAND						
VOLUMETR. EFF. % LIQUID			DISCH. RATING		1500# Lens R.				LIQUID END						
MECHAN. EFF. % DISCH.			SIZE POS. 3"						CYLINDER			ALC-183H			
POWER REQ'D @ DESIGN 195 BHP			VENT						LINER						
MOTOR SPEED 1750 R.P.M.			DRAIN						PISTON						
RELIEF VALVE SETTING PSIG			SIZE						PISTON RINGS						
VALVE TYPE			RATING						PISTON ROD						
			SIZE POS. HP gland						VALVES			HVD-1			
			RATING		150 lb.				VALVE SEAT Tit.			RS 140.			
			SIZE POS.						VALVE SPRING			Hastaloy C			
			RATING						VALVE BOX			--			
DISCH. VALVE SUCT. VALVE			SIZE/QTY.		COOLING WATER		PSIG °F		VALVE BOX			--			
			CLEAR OPENING SQ. IN.		COOLING FOR		REQ'D GPM		GLAND/COLLAR BUSH						
			SPEED FT/S		BEARING				PACKING			617 Teflon			
			SIZE/QTY.		STUFF. BOX				LANTERN RING						
			SPEED FT/S						VALVE SPRING						
			FLUSHING FOR		REQ'D MEDIUM GPM				MAKE			Voith			
			LANTERN RING						TYPE			Torque Conv.			
BASE PLATE FOR Split			THROAT BUSHING						REGULATION			835/11 RPM			
DRIVER SUPPLIED BY Vendor			MAKE						REDUCTION RATIO						
DRIVER MOUNT BY			TYPE & SIZE						MAX. HP						
LUBRICATION			MAX. BORE				INCH								
ELEC. MOTOR, MAKE				TURBINE, MAKE --				ENGINE, MAKE --							
TYPE TFEC				TYPE				TYPE ; H.P.							
SPECIAL INSULATION Moist Prot.				H.P.				FUEL							
H.P. 300 ; RPM 1750				PRESS. @ THROTTLE PSIG				HEATING VALVE LHV.							
VOLTS 440 ; PH. 3 ; CYC. 60				TEMPERATURE °F.				FUEL CONSUMPTION BTU/BHP./HR.							
START: (LOW VOLTAGE; ACROSS LINE)				QUALITY OR SUPERHEAT				SPEED: OPER. RPM; MAX. ALLOW. RPM							
BEARINGS				BACK PRESS PSIG				SPEED REDUCER: (V-BELT; GEAR)							
BEARINGS LUB.				WATER RATE LBS./H.P. HR.				VENDOR SUPPLY: SPEED REDUCER, MUFFLER, RADIATOR, GENERATOR							
POWER CONSUMPTION				MAX. ALLOW. SPEED RPM				STARTER, AIR CLEANER, OIL FILTER, FUEL REG. BATTERY							
WEIGHTS				TESTS				REQUIRED				WITNESSED			
PUMP LBS. MATERIAL								yes				--			
PUMP AND BASE LBS. HYDROSTATIC												Purch			
DRIVER LBS. PERFORMANCE															
SHIPPING WT.															