

100041 - 100042

RECIPROCATING PUMP SPECIFICATION
 VENDOR MUST COMPLETE THIS SPECIFICATION SHEET BEFORE RETURNING

HOECHST-UHDE CORPORATION

CUSTOMER Nitrogen Inc.				PROJ. NO. 2-260			
LOCATION Donaldsonville, La.				ITEM NO. P-101 A & B			
SERVICE OF UNIT H.P. NH ₃ Pump				DATE 10/9/69 BY			
NO. REQ'D. 2		MOTOR DRIVEN, AND		DRIVEN. VENDOR Uraca		MFR'S TYPE NO. KD515	
OPERATING CONDITIONS							
LIQUID PUMPED Anhydrous NH ₃		CAPACITY - NORM.		GPM		SUCTION PRESS (MIN) 300 PSIG	
PUMPING TEMPERATURE 45-104 °F		CAPACITY - DESIGN 129		GPM		DISCH. PRESS (MAX) 2275 PSIG	
SPEC. GR. @ P.T. 0.63 - 0.61		NPSH AVAIL		FT		DIFF. PRESS (NORM.) 1815 PSIG	
VISCOSITY @ P.T. 0.2		C.P. NPSH REQ'D. 45		FT		DIFF. PRESS (DESIGN) 1975 PSIG	
VAPOR PRESS @ P.T. 81.0 PSIA		HYDRAULIC H.P. (DESIGN)				DIFF. HEAD (DESIGN) FT	
CORROSION		B.H.P. @ RATING					
SOLIDS							
CONSTRUCTION				MATERIALS			
NO. OF PLUNGERS 3		STALLING PRESSURE		PSIG		STEAM END	
PLUNGER DIA. 108 mm XNCH		STEAM CHEST PRESS.		PSIG		CYLINDER	
STROKE 220 mm XNCH		HYDRO TEST PRESSURE		PSIG		PISTON/PLUNGER	
STROKES 83.5 R.P.M.		LIQUID SIZE POS. 6"				PISTON ROD	
PLUNGER PISTON SPEED MAX 0.96m/s RPS		SUCTION RATING 300# RF				PACKING GLAND	
VOLUMETR. EFF.		% LIQUID RATING 1500# RTJ					
MECHAN. EFF.		% DISCH SIZE POS. 3"				LIQUID END	
POWER REQ'D @ DESIGN 180 BHP		VENT SIZE				CYLINDER	
MOTOR SPEED 1750 R.P.M.		RATING NPT				LINER	
RELIEF VALVE SETTING PSIG		DRAIN RATING NPT				PISTON	
VALVE TYPE		SIZE				PISTON RINGS	
		INLET SIZE POS.				PISTON ROD GS52	
		STEAM RATING		---		VALVES AIST410	
		EXHAUST RATING		---		VALVE SEAT AIST410	
		STEAM SIZE POS.		-		VALVE SPRING AIST410	
DISCH. VALVE	SIZE/QT.		COOLING WATER PSIG °F		VALVE BOX L-35		
	CLEAR OPENING SQ. IN.		COOLING FOR. REQ'D GPM		GLAND/COLLAR BUSH		
	SPEED FT/S		BEARING		PACKING Teflon/Asbo.		
	SIZE/QT.		STUFF. BOX		LANTERN RING		
SUCTION VALVE	CLEAR OPENING SQ. IN.		FLUSHING FOR REQ'D MEDIUM GPM		MAKE		
	SPEED FT/S		LANTERN RING		TYPE double helico		
	BASE PLATE FOR split		THROAT BUSHING		REGULATION		
	DRIVER SUPPLIED BY vendor		MAKE		REDUCTION RATIO		
DRIVER MOUNT BY		TYPE & SIZE		MAX. HP			
LUBRICATION Gear pump		SUPPLY MAX. BORE INCH					
w/cooler, filter & relief valve							
ELEC. MOTOR, MAKE		TURBINE, MAKE --		ENGINE, MAKE --			
TYPE TFC		TYPE		TYPE ; H.P.			
SPECIAL INSULATION Moist.Prot..		H.P.		FUEL			
H.P. 200 ; 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.							



**FLENDER
BOCHOLT**

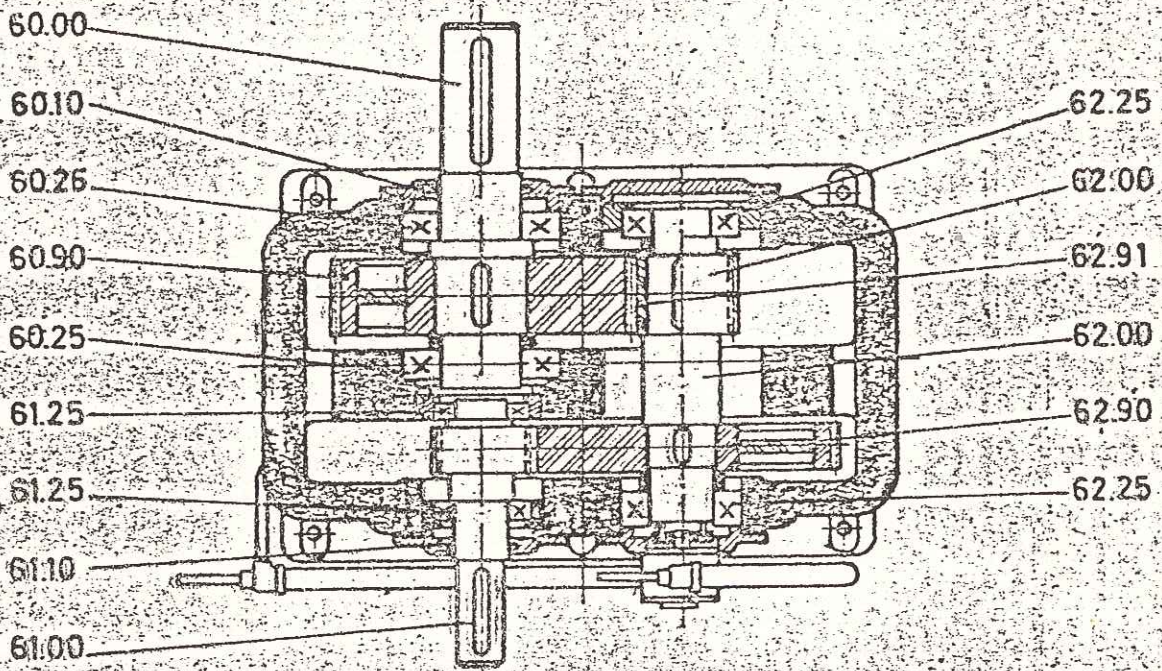
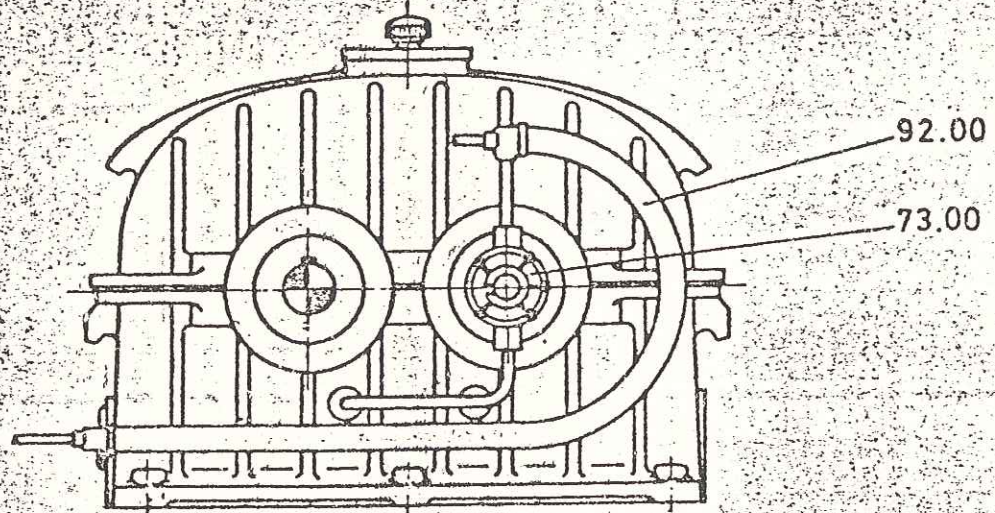
REDUREX®
Type SZBW Size
Spare Parts

K WEN EN
4002-11265

100041-100042

Size ... 4.50 ... Order No.: ... 697480 ... Serial No.: 227161 ÷ 165 ...

Client ... Pumpenfabrik. Urach ... Date: 30.1.69 ...



Part No.	Description	Quantity	Part No.	Description	Quantity
60.00	Shaft D ₂	1	62.00	Shaft Dz	1
60.10	Radial oil seal 170x200x15	1	62.00	Helical pinion shaft Dz	1
60.25	Antifriction bearing 30334	1	62.25	Antifriction bearing 30328	2
60.25	Anfriction bearing 30334	1	62.90	Helical gear wheel	1
60.90	Helical gear wheel	1	62.91	Helical pinion	1
61.00	Helical pinion shaft D ₁	1	73.00	Oil pump	1
61.10	Radial oil seal 100x130x13	1	92.00	Oil cooler	1
61.25	Antifriction bearing 30220	2			

Die Redurex-Schneckenpumpe ist ein Produkt der Flender-Gruppe.