		^	HOI	RIZON	NTAL	. VERTICAL AND	SPE	
				VERT	ICA	L IN - LINE	NO.	22 521.0
								(AFE) (INV. UNIT) (CLASS) (ITEM NO. OR NO'S)
	SPEC FOR:	INQU:	IRY,	SH 1 (	OF 4	. NO .	Ē	TOTAL TELEVISION OF THE TOTAL
			OITA	Nэsн 1	OF	4 , NO	Ī -	
		X PURCI	HASE	9 SH _1	OF	7. NO. 6014-02N-J350-0/	M _	
				SH 1 (	_		P	
	USE	D WITH_	<u>ಎ</u> ೦	- 50	712			QUANTITYL UNIT (S
			<u>ي</u> م	2 Q e	ACT	OR IST GAS COOLE	D	COCLANT PUMP
	SER	VICE	<u> </u>	NE	MC)	OR 1= GAS COLLE		
	PLA							NO. MF-130 A
	THRT	UNIT RUCTIONS TO	SPEC	WRITER			INST	RUCTIONS TO VENDOR WHEN PREPARING QUOTATION COMPLETE ITEMS 110 THRU 185 IN THIS INQUIRY SPECIFICATION. IF ITEM DOES NOT
	1. RE	EFER TO ENGINE	ERING S	TANDARD NO		4-1 WHEN USING THIS FORM FOR A PROCESS.	101.	APPLY, WRITE DNA. RETURN THIS INQUIRY PLUS 3 COPIES. INCLUDE 3 SETS OF
		NOUIRY, OUOTAT						INFORMATION AND CATALOG DRAWINGS THAT ADEQUATELY DESCRIBE THE BID ITEMS. SPEC-
						E. ALSO MARK ITEM 176 TO INDICATE VENDOR		IFICALLY INCLUDE THE FOLLOWING:
		+				ISTRIBUTION OF DOCUMENTS.	J	G. PERFORMANCE CURVES FOR PUMP SHOWING CAPACITY. HEAD. HP. NPSH. AND EFFICIENCY.
					51 BE F	INALIZED AFTER SUCCESSFUL VENDOR IS SELECTED	1	FOR SPECIFIED OPERATING POINTS.
		ND PUMP MAKE I	BY	APPROVAL	PAGE	REMARKS	İ	b. MAXIMUM AND MINIMUM IMPELLER DIAMETER-
	REV 00	APR93	⊅#R		ALL	FOR INDUINY	102.	SPECIFIC ATTENTION IS CALLED TO THE FOLLOWING ITEMS:
	0/	AUG 94 APR 95	180	DHS	ALL 1-3	DUG. NO. APY SW PIPE		a. EQUIPMENT DELIVERY IS INDICATED IN ITEM 182.
	ڏم	OCT 95	Can	IRC	2	EFF AT DATED POINT	1	b. VENDOR DOCUMENTS INCLUDES THOSE DOCUMENTS NORMALLY FURNISHED PLUS DOCUMENTS
							1	TO DEFINE THOSE SPECIFIC SPARE PARTS AND/OR WEAR PARTS NECESSARY TO BRING
	$\overline{\Box}$		<del> </del>					EQUIPMENT TO FULL OPERATION. SEE ITEM 175 FOR SPECIFIC INSTRUCTIONS.
	$\Box$		1					C- PRICE FOB ORIGIN IS COVERED IN ITEMS 178 THRU 181 DO NOT INCLUDE TRANS-
								PORTATION CHARGES OR OPERATIONAL SPARES (IF GUOTED) IN TOTAL COST .
	$\vdash$							d. EXECPTIONS OR ALTERNATE OFFERINGS SHALL PREFERABLY BE SHOWN IN ITEM 184. ADD-
							.	ITIONAL PAGES MAY BE ADDED IF NECESSARY TO DESCRIBE THE ALTERNATE.
			1					. VENDOR'S "TERMS AND CONDITIONS" IF ANY, SHOULD BE SUBMITTED SEPARATELY.
	4. C	RITICAL SERVICE CONDITIONS	E (YES)	(ND).			103.	SHOW SPEC NO. ON ALL ENGINEERING DOCUMENTS AND CORRESPONDENCE.
	5. (	FORDITION:	s 100RS) (	UNHEATED)	4	TO TO	104.	CHECK THE BOX OPPOSITE QUOTATION AND ENTER YOUR QUOTATION NUMBER. THIS COMPLETE
	6. (	DUSTY) (HIGH H	UNIDITY	() (YAPORS			7	INQUIRY IS YOUR QUOTATION TO PURCHASER. THE COMPLETED INQUIRY WILL BE ISSUED AS
	7. A	MBIENT TEMP F	* NORM	u		0 MINIMUM <u>20</u>	-	A PURCHASE SPECIFICATION WITH A PURCHASE ORDER TO THE SUCCESSFUL VENDOR.
	8. C	COOLING WATER A	VAILABL	E: NORMAL		90 F. MAXIMUM 110 F PSI	G 105.	QUALITY CONTROL REQUIREMENTS WILL BE FINALIZED AFTER THE SUCCESSFUL VENDOR IS
	9. S	ERVICE: (CONTI	NUOUS)	( Hillson	<del></del>	8760 HOURS PER YEAR.	TMET	SELECTED AND PUNP TYPE IS KNOWN-
4	10. 0	PERATION: ( <u>Non</u>	-SPAREI	) <b>(111-02)</b>	<u>###</u> > (]	<b></b> ).	106.	TRUCTIONS TO VENDOR AFTER P.O./CONTRACT AMARD ACCEPTANCE OF THIS PURCHASE ORDER OBLIGATES VENDOR TO:
	11. [	MPELLER: SELEC	TION S	HAVE	A RISIN	IG HEAD-CAP CURVE AND THE RATED POINT SHALL		G. DESIGN. FABRICATE, TEST AND/OR SHIP THE SPECIFIED EQUIPMENT. SPARE PARTS.
						OR THE IMPELLER SELECTED. MAXIMUM DIAMETER		AND/OR WEAR PARTS IN THE PROMISED DELIVERY TIME(S).
4	•					E HEAD OF PERCENT SEMESTICS	1	b. ACCOMPLISH THE ABOVE UTILIZING APPROPRIATE QUALITY CONTROL PROCEDURES TO
Δ						HE PUMP SHALL BE AVAILABLE BETWEEN THE		ASSURE FULL COMPLIANCE WITH THE SPECIFICATION. AND  c. TO FURNISH CERTAIN QUANTITIES OF VENDOR DOCUMENTS FULLY DESCRIBING THE
A		ORMANCE DAT		ATER		F. C.	-	EQUIPMENT FURNISHED. PURCHASER'S EVALUATION OF VENDOR'S PERFORMANCE WILL BE
40	_			HILK	<u></u>	. DISCHARGE TO	-	BASED ON g. b. AND c ABOVE.
•	-	SUCTION FROM NUMP TEMPERATUR	z	441	97.	MAX 176 FE SPECIFIC GRAVITY AT PUMP	107	STENCIL SPEC NO. AND P.O. NO. ON PACKING CASE OR, IF PACKING CASE IS NOT USED
413		FUMP TEMPERATUR TEMPERATURE				FE SPECIFIC GRAVITY AT PURP	***	ON PLASTIC OR METAL TEMPORARY TAG WIRED CONSPICUOUSLY TO EQUIPMENT.
						ssu. <u>0.65</u> cp.	108	AN 18-8 STAINLESS STEEL OR MONEL NAMEPLATE OF MANUFACTURER'S STANDARD SHALL
		CORROSION DUE				war <del>year</del> w.		BE PERMANENTLY ATTACHED TO THE PLINP AND STAMPED TO INCLUDE P.O. NO., SPEC NO.,
		EROSION DUE TO						SERIAL NO., USGPN. FEET HEAD, SPECIFIC GRAVITY AT PUMP TEMP RPM. DESIGN
		50LIDS ( <b>453</b> +) ()		X SIZE OF	SOLIDS			PRESSURE AND TEMPERATURE AND BEARING MANUFACTURER'S BEARING MANBERS.
		VAPOR PRESSURE					109.	IF CHANGES OCCUR ADVISE PURCHASING IN TRIPLICATE. OF ANY CHANGES IN PRICE OR
						81.7 FT.		DELIVERY RESULTING FROM SUCH CHANGES.
Λ		CAPACITY, USGP			621		110.	VENDOR GOULDS PUMPS 4
					CONT	INLOUS) (INTERNETTENT), USCPN	_  111.	HER GOULDS PUMPS
A-		DISCHARGE PRES				PSIC MITEDPSI	g 112.	HODEL, SIZE AND FIGURE NO. 3/96 MTX
Δ	20. 5	SUCTION PRESSU	RE: NOR	MAL	· P	sig, rated <u>37-7</u> Maximum <u>64,5</u> psi	6	+XG-10H . NUMBER STAGES
	21. [	DIFFERENTIAL P	RESSURE	: NORMAL_		PSI- MATED /2.5 PS	1113.	TYPE: (HORIZONTAL) (MINNE) (MERMANL) (MERMANL)
	22. [	DIFFERENTIAL H	EAD: NO	RMAL		FT. MATED 29.0	т 114.	DESIGN: (AND-010) (ANSI) (MEN-07040000).
		HYDRAULIC HP:				. RATED 4.5	115.	BACK PULL-OUT ROTOR (YES) (MM)-
						TED) CONDITIONS.	11	. RPM
	25. (	CHLORIDES OVER	IO PPN	( <b>388</b> ) ( <u>N</u>	0). IF	OVER 10 PPM CHECK WITH MATERIALS ENGINEERING	117.	ROTATION FACING COUPLING END (C.M.) (Section)
			ORATE E	NGINEERIN	G FOR U	SE OF STAINLESS STEEL.	118.	SUCTION SPECIFIC SPEED 88/
	PREP	ARED_SR		DATE A	PR9-	PROCESS APPDDATE	INC	DUIRY APPD LEC DATE NR.93 PURCH APPD MA DATE ACCOUNT
	DESI	GN APPD		DATE		REV APPDDATE	RE	V A APPO DHS DATE APR 95 REV A APPO CM/LL DATE OCT 9
	FORM	1 2351 <i>-</i> 5 9				REPRODUCTION OF STANDARD NO. 25.0	4-2	PAGE 1 THIS FORM MUST BE USED WITH FORM 3861 PRINTED IN U.S.

500166

CENTRIFUGAL PUMP

## (DATE QUOTATION + SH 2 OF 4 NO -\_ CENTRIFUGAL PUMP PURCHASE , SH 2 OF 87. P 0 NO . 60/4-020/- 350-0/ HORIZONTAL. VERTICAL AND PROCESS . SH 2 OF 4 VERTICAL IN - LINE 67--501R SPEC NO. 119. NPSH REQUIRED. FEET WATER 9.0 T.O.F. . EFFICIENCY AT RATED POINT 83.0 28. POWER COSTS: ELECTRIC 9/1000 LBS 120. BHP AT RATED POINT 5.66 & AXIMAM BHP ON CURVE 7.5 PAYOUT PERIOD \_, CURVE NO. <u>4028-2</u> MOTE: POWER CALCULATION IS TO BE BASED ON THE HIGHEST SPECIFIC GRAVITY. IF VARIABLE SPECIFIC GRAVITY. HEAD AND PRESSURE CALCULATIONS ARE TO BE BASED ON LOWEST SPECIFIC GRAVITY. IF VARIABLE SPECIFIC GRAVITY. 122. MINIMUM CONTINUOUS THERMAL FLOW USEPM LATER - BY VENDOR NECHANICAL DESIGN 27. CONSTRUCTION: (AGAINST) (ANSI) (MANUFACTURES: STANCOS). MISC. CONNECTIONS 28. STYLE: (HORIZONTAL) (MERESON-) (MINISTER). 7507 DRAIN VENT SAGE FACING LOCATION NOZZLES SIZE 29. STYLES NOT ACCEPTABLE: 2 STAGE OVERHANG, DOUBLE SUCTION OVERHANG, REGENERATIVE Note A EF END TURBINE, AND HORIZONTAL CLOSE COUPLED. FF DISCHARGE M 4 TOP Page 4 30. CASE SUPPORT: (FOOT) (SELF-INVESTICES) (MOANTING PLATES) (CENTER-INVESTIGATION 123. VENDOR SHALL FURNISH MAXIMUM ALLOWABLE FORCES AND MOMENTS ON MOZZLES. WITH -----X-AXIS PARALLEL TO PURP SHAFT. X RESULTANT FORCES & MOMENTS 31. CASE SPLIT: (AMPTE) (RADIAL) 32. CASE MOZZLES: SUCTION AND DISCHARGE CONNECTIONS SHALL BE FLANGED. ANSI CLASS 600 MOMENT FT. IRS. NT FT. LBS. MOX 725+ 1190 X AND 900 FLANGES FOR 600F RATED TEMPERATURE SHALL BE FINISHED TO 125 RMS. : 840 × MAX 1460 7 Δ 33. CASE VENT REQUIRED (YES) (MB). CASE VENT VALVED (MB) (ND). SELF-VENT 34. CASE DRAIN REQUIRED (YES) (ME). CASE DRAIN VALVED (ME) (NO). **M7** 35. ROTOR-BACK PULL-CUT: (YES) GMID-SHAME) (FOOT) 36. SUCTION POSITION: (END) (\$100) (\$200) ARREST AND CONTRACTOR ( PROPERTY OF A PARTY ) 37. DISCHARGE POSITION: (#982) (IOP). 125. SPLIT: (RADIAL) (AMERICA: TYPE: (DARROGER) (SINGLE WOLLTE) (SEEL-WOMENS.), WENT $\Delta$ 38. IMPELLER SHALL BE ONE PIECE CASTING. CAST IRON IMPELLER IS NOT ACCEPTABLE. CONN: (ME) (ND) (VALVED), DRAIN CONN: (YES) (ME) (MALTER). 39. RPM: (1800) (3800) (BY MANUFACTURER). . (COPPER) (CARBON STEEL) . 224 PSIG. AND HYDROTEST 375 PSIG (STAINLESS) (TUBING) (PIPE) (GALVANIZED PIPE) (SIGHT FLOWS). SIZE AND SCHEDULE 127. CORROSION ALLONANCE 18 INCHES, MINIMUM THICKNESS (MPELLER DESIGN 128. TYPE: (<u>OPEN) (SAMMARIAN) (GLASSE)</u> (<u>SINGLE SUCI</u>) (<u>BRANCHOUSE</u>) 41. PACKING REDUIRED (MD). NECHANICAL SEAL CRANE 42. NFR AND NOOEL CRANE 129. IMPELLER DIA. INCHES: RATED 9.25 . MAX. 10 8B1 SINGLE 190. WEAR RINGS: (<u>FRON</u>E) (<u>BACK</u>), EYE AREA <u>27./</u> INCHES. A CARTRIDGE MOUNTED SEAL HER CRANE BSTEM 131. MOUNT: (BETLETHINGSARPHUS) (OVERHUNG). 3. MATERIAL CODE: API \_ \_\_\_\_. THROUGH: COUPLING \_1./2.5\_4 TYPE (SINGLE) (BANKED) (BALANCED). BEARINGS 2./25 , SLV. OR STUFF. BOX \_\_\_ 1.75 PIPING BY YENDOR SHAFT SLEEVE: (YES) (MEG-44. SEAL FLUSH API PLAN \_ MATERIALS 133. API-610 CLASS \_\_\_\_\_\_, CASE OUTER #395 D. T. CASE INNER N. A. SEAL FLUSH PIPING (2000) 316 L SW PIPE (REF.: GOULDS FAX OF 03 NOV94) IMPELLER 3/6 SS \_\_, IMPELLER WEAR RING N. A. 22 N. H. . SUPPLIED BY \_\_ CASE WEAR RING N. A. \_. SHAFT \_ 45. AUXILIARY SEAL FLUSH API PLAN SLEEVE 3165/5 SEAL FLUSH COOLER (YES) (NO): (WATER) (AIR FIN). FURMISHED BY (PURCHASER) (VENDOR) N. A. . BLAND 316 S/S INTERSTAGE SLEEVE-BUSH SEAL FLUSH PIPING (COPPER) (CARBON STEEL) (STAINLESS) (PIPE) (TUBING) (THREADED) BRONZE THROTTLE BUSHING NON-SOARKING (SOCKET WELD) (FLANGED). SIZE AND SCHEDULE 134. BEARING HOUSING MATERIAL IS STEEL: (488) (NO). CI RESERVOIR MATERIAL FOR TANDEN/DOUBLE SEALS TO BE (STREET) (STAINLESS). 135. BEARING HOUSING ADAPTER IS STEEL: (1889) (NO). CI OUTSIDE DRIVE. OUTSIDE SETTING SLEEVE IS PREFERRED. COUPLING HER. TYPE AND MODEL WOODS SUREFLEX SPACER A GLAND (END PLATE) SHALL BE 318 STAINLESS STEEL WITH G-RING GROOVE IN PLATE. 137. DRIVER HALF MOUNTED BY: (PUMP NER) (DRIMER-NER) (PURPMANER). STANDARD CROSS-SECTION SEALS (NOT THIN SECTION) SHALL BE USED. 138. SPACER COUPLING FURNISHED (YES) (400). SQUARE CROSS-SECTION SEAT SHALL OF LIBED. 139. BEARING(S) RADIAL: (BALL) (MARINE) (TIEL THO). THROTTLE BUSHING REQUIRED (YESS AND BEARINGS AND LUBRICATION 47. BEARINGS: (ABSTREED) (ANSI) (ANGI-FRICTION) (MIRROR (LIMBOR PRE). 140. BEARING THRUST: (BALL) (THE MINIMAR CONTACT) CTHE PRO). 141. NER BEARING NUMBER: RADIAL <u>6309</u>, THRUST 48. LUBRICATION: (FERRING) (RING ORLY (FLOOD) (OM-III ET (PROBERTE) (ADDING NOTE B 142. BEARINGS PER API-810. RADIAL (MERT (NO), THRUST (MES) (NO). $\mathbf{\Delta}$ 143. LUBRICATION: (CREASE) (BANDOSEL) (ELANGER) (FLOOD) (BILLMAST) (MARROGARE). 🗘 Page 4 MIST GENERATOR FURNISHED BY 45450465 (451665) 144. DIL MIST GENERATOR: (MED) (NO). WATER COOLING: (MED) (NO). PLATE Base plate to be extended under driver(s): (<u>1/18 to 1/8 inch shin allowance under</u> STUFFING BOX 145. STUFFING BOX. DIAMETER (INCHES): BORE 3.5. SHAFT 1.75 A - DRIVER) (MED-1859) (ADL-1849) (DRIP RIN) (LEVELING SCREWS) (DRIVER POSITIONING . SLEEVE SCREWS) (ORILLED AND TAPPED FOR ORIVER, VERTICAL IN-LINE PUMP FLAT HTG SURFACE) CSUITABLE FOR EPOXY ESPORT). PHILLIPS HEAVY DUTY BASE COUPLING 50. COUPLING TYPE: (SPACER) (SECTION SECTION (STRAIGHT BORE) (SECTION SECTION DIENCH GLAND: (NED) (NE). 147. NECHANICAL SEAL! NER AND MODEL CRANE BBL. CODE XF51 1015] A (CER) (SLASTONER) TRANSPORTED 148. TYPE: (STINGLE) (STINGLE) (STINGLE) (BALANCED). CARTRIDGE MOUNT A HER AND MODEL WOODS SUREFLEX SPACER

152. SEAL FLUSH PLAN API-610 \_\_\_\_\_

151. GLAND TYPE: (MINN) (THROTTLE BUSH).

ISO, GLAND MATERIAL: (318 SS) (

148. ADJUSTMENT: (INCOME) NEWSCHOOL) (OUTSIDE DRIVE SLEEVE).

3161

DRIVER HALF HOUNTED BY: ( PURP VENDOR) ( PURP VENDOR)

FLOAT AND ROU (TES) (NO) (CARBON STEEL) (STATALESS) (BRONZE).

51. VERTICAL PLANT PIT OR SUMP DEPTH.

FLOAT SWITCH

BASKET STRAINER (YES) (NO).

## CENT HORIZON VERT

			" · · · · · · · · · · · · · · · · · · ·	يا : ه	INJUINT , SH 3 UF 4 . INC. (DATE)
		C	ENTRIFUGAL PUMP	L	QUOTATION , SH 3 OF 4 , NU
		HOR	IZONTAL, VERTICAL AND		PURCHASE , SH 3 OF #7. P 0 NO . 60/4-025/- 1350-0
_	<u> </u>		VERTICAL IN - LINE	Ę	PROCESS sh 3 of 4
MATE	EC N RIALS		VERTICAL IN - LINE 67-5018	ī	( ) (
52.	CODE	MATERIAL		153.	. (SHANDER CAMPAN (SHANDER) (SHONET WILD) (ELANGED). (PIPC) [2]
	CI	CAST IRON	53. API-810 CLASS EXCEPTION (YES) (NO).	154.	SEAL FLUSH COOLER: ( ) (MD).
	DI	DUCTILE IRON	54. CASE: (QUTER) (INNER). 43956.I.	156.	EXTERNAL SEAL FLUSH TO BE REQUIRED: (NO) GPN PSIG.
	NR	NI-RESIST	55. IMPELLER 3/6 SS A.	156-	COOLING WATER PIPING API-610 V/A SPI-REQUIRED
	STL	STEEL	56. *WEAR RINGS: CASE	157.	COOLING WATER PIPING MATERIAL: (COPPER) (CARBON STEEL) (STAIMLESS STEEL)
	4140	4140	57. BASKET STRAINER	-	(TUBING) (PIPE) (SCRENED) (TUBE-FITTINGS) (FLANGED).
	BRZ	BRONZE	58. SHAFT3/6_SS	158.	PLATE TYPE PER API-610: (DRIP RIM) (CHANNEL) (EABRICATED) (CAST ) (CAST IROM) (STEEL)
	H	MONEL.	59. PUMP BOML (VERTICAL)		(1/16-1/8 INCH SHIM ALLOWANCE UNDER DRIVER) (LEVELING SCREWS) (DRIVER POSITIONING
	10-0 SS	STN. STEEL STN. STEEL (316)	80. SHAFT SLEEVE (PHROMENUE) (NECH SEAL). 3165/5		SCREWS FOR LATERAL AND AXIAL ALIGNMENT MOVES). DRILLED AND TAPPED FOR DRIVERS
	5CHR	5X CHRONE	61. *THROAT BUSHING		CYES (MD). PHILLIPS HEAVY DUTY BASE SHALL APPLY
	12CHR	12% CHROME.	62. *INTERSTAGE: SLEEVE(\$)	159-	INLINE PUMP HAS FLAT MOUNTING SUFFACE: (MED) (MED (N/A). SKETCH
•	н_	HARDENED	BUSHING(S)		RECOMMENDED HP 1.3 (1) RPM 1300 FORM IF DRIVER TO BE FURNISHED WITH PUMP
	F	HARD FACED	83. GLAND, NECH SEAL 316 5/5	VERT 161	ICAL PUMP MINIMUM SUBMERGENCE REQUIRED FEET, COLUMN PIPE: (FLANGED) (IMPEAMED)
	x	SPECIFY	THROTTLE BUSH NON-SDARK BRONZE	162.	PUNP LINE AND TOP SHAFT: (ALL ONE PIECE) (COLPLED).
64.	BEARIN	IG HOUSING ADAPTER	CI	163.	LINE SHAFT CHIPLINGS ARE LOCKED (YES) (NO). LINE SHAFTS ARE MOREN) (CLOSED).
85.	BEARIN	IG HOUSING (STEEL P	REFERRED) CI	164.	. IMPELLER ATTACHMENT: (COLLETS) (KEYED) (SCREWED).
86.	*MATIN	IG WEAR SURFACES OF	HARDENABLE NATERIALS SHALL HAVE A MINIMUM HARDNESS	165.	BOMLS ARE: (FLANGED) (SCRENED).
	DIFFER	ENCE OF 50 BHN, UN	ESS BOTH SURFACES HAVE A HARDNESS OF AT LEAST 400 BHN-	166.	. GUIDE BUSHINGS, MATERIAL: BOML, LINE SHAFT
PIPI 67.	NG AND PIPINE	APPURTENANCES AND APPURTENANCE	PER API-810 MODIFIED (YES) (NO).	167.	GUIDE BUSHINGS, NUMBERL BOOK LINE SHAFT
			PTABLE FITTINGS WITH SUBSTITUTES SHOWN:	188.	DIAMETRICAL SKEARANCE: BONL LINE SHART
	A. BUS	HINGS ( <u>LISE SWAGE N</u>	(PPLES)	169.	GULBE BUSHING LUBE: (WATER) (DIL) (EREASE).
			IPPLE (USE 3 INCH MINIMUM LENGTH).	170	PIND THRUST IN LESS AT MINIMUM FLOW
		HEAD PLUGS (USE S		VEND	OUR DOCUMENTS REQUIRED WITH QUOTATION . IT IS PURCHASER'S INTENT TO BUY SOME OR ALL OF THE SPARE PARTS AND/OR WEAR
		EET ELBOW.		1	PARTS ALONG WITH THE BASIC EQUIPMENT COVERED BY THIS SPECIFICATION. PURCHASER
AQ.			ALL BE SEAL WELDED. PIPING OFF PUMP TO THE FIRST VALVE		ALSO INTENDS TO BUY OPERATIONAL SPARES WELL AHEAD OF ACTUAL UNIT OPERATION.
			D STAMPED WITH A SHARP FACE STEEL HAND STAMP. PIPING	172	. QUOTATIONS SHALL COVER THE BASIC EQUIPMENT PLUS THE FOLLOWING AS CHECKEDS
			CEPT 1/2 INCH NPS IS ACCEPTABLE FOR PUMPS WITH DISCHARGE	0	RECOMMENDED LIST OF CONSTRUCTION SPARES, ITEMS AS RECOMMENDED BY VENDOR.
				Ŧ	INCLUDING GASKETS, SEALING COMPOUND, BOLTS, NECESSARY TO INSURE THAT EQUIPMENT
,3	ATION	MONITORING	ER. DRAIN VALVE SHALL BE 8000 GATE.  100 (NO): FURNISHED BY (PURCHASER) (VENDOR).	E	CAN BE NECHANICALLY COMPLETED. LIST SHALL BE COMPLETE WITH ORIGINAL MAN-
٥.				Ż	UFACTURER, PART NUMBERS, DESCRIPTIONS, PRICE AND DELIVERY! LIST OF SPARE
			METER) (VELOCITY) (ACQUISTICAL) (PROX PROME).	J <sub>J</sub> 1	ROTATING ELEMENTS (TESTED) (NOT TESTED) COMPLETE WITH DESCRIPTIONS. PRICE AND
		•	(VENDOR), MOUNTED BY (PURCHASER) (VENDOR),	3	· — — /
			5) (NO), PLANE: (X) (Y), MONITOR DUTBOARD END (YES) (NO),	$\alpha$	DELIVERY: WEAR PARTS PACKAGE SHALL BE PARTS REQUIRED FOR EQUIPMENT CHECK OUT AND START UP FOR NECHANICAL EQUIPMENT ONLY. COMPLETE WITH ORIGINAL
			APPROVED (YES) (NO). ALL REFINING EQUIPMENT VIBRATION	0	
			UST BE APPROVED BY REFINING ROTATING EQUIPMENT	14	MANUFACTURER PART NUMBER SUCH AS BEARINGS, SEALS, ETC., DESCRIPTIONS, PRICE
			PARTY FILLING OUT INQUIRY- APPROVAL SHALL BE OBTAINED	X	AND DELIVERY! LEXPENDABLE PARTS PACKAGE. PARTS REQUIRED FOR EQUIPMENT
SHOR		RELEASING INQUIRY INSPECTION AND PRO		A	CHECK OUT AND START UP. FOR ELECTRICAL AND INSTRUMENTATION COMPLETE WITH
71.	HYDROS	INSPECTION AND PRO STATIC: (NON-WIT) (	( <u>**********</u> 0).	>	ORIGINAL MANUFACTURER PART NUMBERS. DESCRIPTIONS PRICE AND DELIVERY:
72.	PERFOR	MANCE: ( <u>NON-WIT</u> ) (	<b>(2)</b> 4(2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	w	OPERATIONAL SPARE PARTS (SHAFTS SLEEVES, BEARINGS, WEAR RINGS, PKG. OR NECH.
73.	MECHA	NICAL RUN: CHEMINA	E) (MAND) (MANDAMAN) HOURS	S	SEAL. GASKETS) ARE ALSO TO BE QUOTED IF POSSIBLE. VENDOR QUOTATION SHOULD INDI-
74.	NPSH:	(NON-ATT) (	- <i>N</i> · <i>A</i> · <u> </u>		CATE WHAT. IF ANY, ECONOMIC BENEFIT THERE WILL BE IF ALL OR PART OF THESE ARE
75.	INSPEC	T LONG TERM STORAG	E PACKAGING BEFORE SHIPMENT: REQUIRED (ME) (NO).		MANUFACTURED AT THE SAME TIME AS THE EQUIPMENT. INCLUDE THE LATEST DATE OPERAT-
76.	DISMAN	ITLING AND INSPECTI	ON AFTER TEST: REQUIRED (MEE) (MO). (MEE) (MENEMAN).		IONAL SPARE PARTS CAN BE ORDERED TO TAKE ADVANTAGE OF LOWER PRICE AND/OR
77.	PREPRO	DUCTION ENGINEERIN	G NEETING: REQUIRED (NO).		BETTER DELIVERY.
78.	WELD P	IAPS AND PROCEDURES	APPROVAL BEFORE START OF FABRICATION: REQUIRED (MO)	173	. TWO SETS OF THE ABOVE DOCUMENTS SHALL BE SUBMITTED WITH YOUR QUOTATION. SOME OR
79.	**WELD	MAPS AND PROCEDUR	ES APPROVAL BEFORE START OF CASTING REPAIR:		ALL OF THIS INFORMATION MAY BE INCLUDED ON ONE OR MORE OF THE FOLLOWING
	REQUIR	SED (MD).			DOCUMENT CATEGORIES: (DOCUMENT CODE 03-PARTS LIST) (DOCUMENT CODE 04-CROSS-
80.	MATERI	IAL CERTIFICATION:	REQUIRED (10). (HARRIER) (BHARRY HERE).		SECTIONAL DRAWINGS) (DOCLARGET CODE OB-RECOMMENDAD SPARE PARTS) (DOCLARENT
81.	INSPEC	CTION REQUIRED FOR	CASTINGS: REQUIRED (400).		CODE 10-BILL OF MATERIAL.

- 72. PERFORMANCE: (NON-WIT) (400)-4000
- 73. \*HECHANICAL RUN: (MEMBER) (MED)
- 74. NPSH: (NON-WII) (\*\*\*\* -- // .
- 75. INSPECT LONG TERM STORAGE PACKAGE
- 76. DISMANTLING AND INSPECTION AFTER
- 77. PREPRODUCTION ENGINEERING MEETING
- 78. WELD MAPS AND PROCEDURES APPROVAL
- 79. \*\*WELD MAPS AND PROCEDURES APPROX REQUIRED (MO).
- 80- MATERIAL CERTIFICATION: REQUIRED
- 81. INSPECTION REQUIRED FOR CASTINGS:
- (MAS PARTIES.) (BES DEVETAME) (BADISSMAPH) (UNTRACOMID).
- 82. \*\*REPAIR OF LEAKS AND DEFECTS, OTHER THAN MINOR BLENDING BY GRINDING, OF PRESSURE CONTAIÑING CASTINGS OR FORGINGS SHALL NOT BE DONE UNTIL REPAIR PROCEDURE HAS BEEN SUBMITTED TO AND APPROVED BY BLIVER'S INSPECTION GROUP, ALREADY REPAIRED. IN STOCK PRESSURE CONTAINING CASTINGS OR FORGINGS MAY BE USED IF THE REPAIR PROCEDURE THAT WAS USED IN MAKING THE REPAIRS IS SUBMITTED AND APPROVED BY BUYER'S INSPECTION GROUP. THE PROCEDURE SHALL BE FOR THE SPECIFIC PUMP AND MATERIAL INVOLVED AND SHALL INCLUDE THE REQUIREMENTS AS SET OUT IN SECTION IX OF ASME UNFIRED PRESSURE VESSEL CODE.

	WIT OF THE DESIGNATION MAY BE THEFTOED ON MAKE OF MAKE OF THE POCCOSTING
	DOCUMENT CATEGORIES: (DOCUMENT CODE 03-PARTS LIST) (DOCUMENT CODE 04-CROSS-
	SECTIONAL DRAWINGS) (DOCUMENT CODE OS-RECOMMENDAD SPARE PARTS) (DOCUMENT
	CODE 10-BILL OF MATERIAL.
174.	SEE TABLE IN VENDOR DOCUMENTS REQUIRED FOR P.O./CONTRACT FOR FULL DESCRIPTION
1	

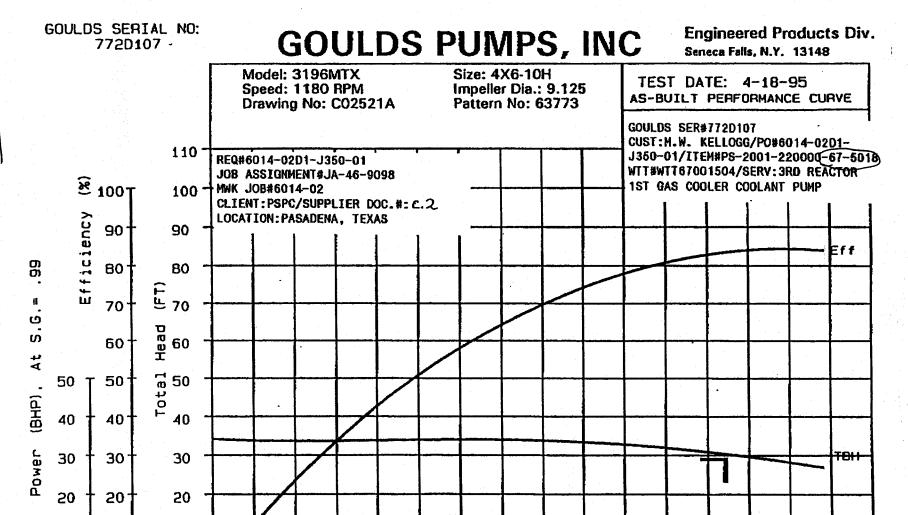
OF THE DATA COMPAINED IN THE ABOVE DOCUMENT CODES.

175. THE DOCLMENT'S DESIGNATED AS VENDOR DOCUMENTS REQUIRED WITH P.O./CONTRACT WILL BE REQUIRED AS SOON AS POSSIBLE AFTER A PURCHASE ORDER IS ISSUED TO SUCCESSFUL VENDOR. EACH VENDOR SHALL INDICATE NUMBER OF DAYS AFTER COMMITTHER, THAT WILL E REQUIRED TO FURNISH THOSE DOCUMENTS TO PURCHASER. DOCUMENTS FURNISHED WITH YOUR BID ARE IN ADDITION TO VENDOR DOCUMENTS REQUIRED WITH P.O./CONTRACT

· · · · · · · · · · · · · · · · · · ·	COATE)
CENTRIFUGAL PUMP	QUOTATION SH 4 OF 4 NO
HORIZONTAL, VERTICAL AND	
VEDITICAL IN - LINE	PROCESS , SH 4 OF 4
SPEC NO.	5018 THIS MORE DISCHERITS REQUIRED WITH PURCHASE ORDER/CONTRACT
83. MECHANICAL RIM SHALL BE DEFINED AS A STEADY STATE ENDURANCE RIM OF HOURS	NEMOR DOCUMENTS REQUIRED WITH PURCHASE ORDER/CONTRACT 178 AS A PART OF YOUR QUOTATION, YOU HAVE ASREED TO FURNISH THE VENDOR DOCUMENTS
DURATION- DURING THE RUN, VIBRATION LEVEL, AND BEARING (QIL) TEMPERATURES SHALL BE	
LOGGED EVERY HIMITES FROM START TO END OF RUN.	THE PORCHASER TO NEET DESIGN AND OPERATING SCHEDULES.
PAINTING	A. VENDOR SHALL MARK APPLICABLE PURCHASE ORDER NUMBER, EQUIPMENT SPECIFICATION
85. PAINTING SHALL BE: (HERAGE HARRE) (SDEPLAL) (OTHER CPOXY, SMILLS THE MINI)	11 1
BRIVER TYPE: (MOTOR) TOTAL TURE) (CAS TURE) TENGLINE) CING TURE) CPEC NO(S)	B. DO NOT DUPLICATE DOCUMENTS FOR IDENTICAL EQUIPMENT ON THE SAME PURCHASE ORDER.
ELECTRIC MOTOR ATTACHED.	C. IF VENDOR'S WORMAL METHOD OF FURNISHING DOCUMENTS COMBINES THO OR MORE OF
87. SPEC FORM(S) ATTACHED. 88. DIMENSIONAL PRINT ATTACHED (YES) (NO)-	THE REQUIRED COCUMENT CODES FOR EXAMPLE, AN O4 HIGHT ALSO INCLUDE 03, 08 AND
89. MOTOR ENCLOSURE: (ODP) (TEFC) (EXPRODE) (MP) (TEMAC), VOLTS	10 DOCUMENT CODES, VENDOR SHALL FURNISH THE MAXIMUM QUANTITY OF DOCUMENTS
PHASE, HERTZ, FRAME	REQUIRED FOR ANY ONE OF THE COMBINATIONS. IN THE ABOVE EXAMPLE, ASSUME 10
90. FURNISHED BY: (PURCHASER) (VENDOR), MOUNTED BY: (PURCHASER) (VENDOR).	DOCUMENT CODE REQUIRED THE MOST COPIES-FURNISH THAT ALMBER, BUT CODE ALL
91. NOTOR SHALL BE SIZED AS FOLLOWS:	DOCUMENTS 03, 04, 06 AND 10.
ORIVER HORSEPOWER RATING FOR THE RATED POINT(WITH THE IMPELLER DIAMETER SELECTED.)	
SHALL BE AS FOLLOWS: (NOTE: END OF CURVE SHALL BE DEFINED AS 1.25 TIME CAPACITY	REQUIRED.
	E. MAIL DOCUMENTS TO:
92. FOR U-FRAME MOTORS: PUMPS REQUIRING 3HP OR LESS AT THE END OF THE PUMP CURVE, THE	
DRIVER SHALL BE THE NEXT SIZE LARGER THAN THAT REQUIRED FOR THE END OF THE PUMP	
CURVE. SELECTED MOTOR SHALL NOT BE LARGER THAN REQUIRED FOR THE END OF MAXIMUM	
INPELLER DIAMETER CURVE.	
93. FOR RATED POINT HORSEPOWER REQUIREMENTS OVER 3.1 BMP THRU 99 BMP THE MOTOR SHALL.	VENDOR TO COMPLETE AS PART OF BID: SHOW NUMBER OF CALENDAR DAYS VENDOR
BE SIZED FOR END OF CURVE OR 115% OF RATED BHP WHICHEVER IS LARGER.	REQUIRES FOR DELIVERY OF ODCLMENTS AFTER COMMITMENT.
94. FOR RATED POINT REQUIREMENTS OVER 100 BHP, THE MOTORS SHALL BE SIZED 110X RATED	DOC- CR DOCLMENT DESCRIPTION OTY DAYS OTY DAYS
BHP MINIMUM, OR UP TO THE END OF CURVE BHP WHICHEVER IS SMALLER.	
95. WHEN T-FRAME MOTORS: IF REQUIRED BY THE PUMP DESIGN AND APPROVED BY THE COMPANY.	01 DINENSIONAL DRAWINGS:/
ARE USED THEY SHALL BE SIZED AS FOLLOWS: of DERATE T-FRAME MOTORS BY MULTIPLYING	OZ INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS
NAMEPLATE HP BY 0.87. 6. USING THE DERATED HP APPLY ABOVE GUIDE FOR U-FRAME MOTORS	CONSTRUCTION AND QUARTITIES.
TO OBTAIN SIZE MOTOR REQUIRED." MOTORS QUOTED IN BASEBIO SHALL BE U-FRAME. T-	OCCUMENDED COADE DADTE:
FRAME NOTORS SIZED AS ABOVE MAY BE QUOTED AS ALTERNATE. BUT WILL BE GIVEN CONSID-	SUPPLY AND DELIVERY.
ERATION ONLY IF MOTOR DELIVERIES ARE A PROBLEM.	PERFORMANCE DATA; PERFORMANCE CURVES COVERING CAPACITY.  107 HEAD, NP, NPSH AND EFFICIENCY FOR FURNISHED, MAXIMUM AND MINIMUM DIAMETER IMPELLERS.
96. PREPARATION AND PACKAGING FOR DOMESTIC SHIPMENT SHALL BE NFR'S STANDARD PLUS	10 BILL OF MATERIAL
FOLLOWING: FLANGED OPENINGS TO BE CLOSED WITH 3/18 INCH MINIMUM THICKNESS METAL	12 FOUNDATION DÉSIGN DATA: ANCHOR BOLT LAYOUT, BOLT DETAIL AND/LOADING REQUIRED FOR FOUNDATION DESIGN.
COVERS WITH RUBBER GASKET AND A MINIMUM OF 4 FULL DIAMETER BOLTS. THREADED OPEN-	SEAL SYSTÉM: DINENSIONAL DRAWINGS, PARTS LISTS AND 18 BILLS OF MATERIAL FOR MECHANICAL SEALS AND SEAL
INSS TO BE CLOSED WITH STEEL CAPS OR SOLID ROUND PLUSS WITH 1 1/2 INCH MINIMUM LONG	FLUSH PIPING.
SHANK OF SAME MATERIAL AS PUMP CASE EXCEPT USE STEEL PLUGS ON CAST IRON CASES.	38 COUPYING
97. PREPARATION AND PACKAGING FOR OVERSEAS SHIPMENT SHALL BE NER'S STANDARD "EXPORT	THE DOCUMENTS DESCRIBED ABOVE ARE PART OF THE PURCHASE AND MUST BE FURNISHED BEFORE RENDERING FINAL INVOICE
BOXING" PLUS CLOSURE REQUIREMENTS AS ABOVE FOR DOMESTIC SHIPMENT.  98. LONG TERM STORAGE PROTECTION SHALL BE APPLIED BY VENDOR. IN-SHOP INSPECTION BY	
PURCHASER'S INSPECTOR IS REQUIRED PRIOR TO ITS SHIPMENT: (YES) (NO).	REMARKS
99. FOR ENGINEERING DETAILS CONTACT:	
out for management of the control.	
100. OTHER INFORMATION	177. NET WEIGHT EACH: WITH DRIVER LBS. LESS DRIVER LBS
100- OTHER THE GREAT LINE	177. NET WEIGHT EACH: WITH DRIVER LBS. LESS DRIVER LBS. PRICE FOR DRIGIN 178. COMPLETE UNIT AS SPECIFIED, LESS DRIVER EACH
A. FLANGE PRESSURE RATING SHALL BE	179. EXTRA FOR DRIVER, EACH
DE-RATED BY 20%.	180. TOTAL PUMP UNIT WITH DRIVER. EACH
	181. COST TO MOUNT DRIVER FURNISHED BY PURCHASER
	182. DELIVERY, WEEKS: LESS DRIVER , WITH DRIVER
A CONTRACTOR OF THE PROPERTY O	183. COST FOR TESTS, ITEMIZE
	THE SYSTEM CHANG CHANG OF MULEU BEING UP STATISTED
A B. PROVIDE DURAMETALLIC REM	184. EXCEPTIONS SHOULD BE NOTED BELOW OR ATTACHED
MAGNETIC TYPE REARING GUARD.	1
BULL'S EYE LEVEL INDICATOR	
Y AND BIAPHGRAM VENT.	185. OTHER INFORMATION HEAD RISE TO SHUTOFF = 27.5701
WILL WEDNEST YEAR	TION WHEN INCHMANTON HEND KISE TO SHUTOFF & 12/011

ELECTRIC MOTOR POLYPHASE INDUCTION	SPEC
USE THIS FORM ONLY WHEN MOTOR IS FURNISHED AS AN INTEGRAL PART OF A COMPLETE UNIT	NO. 30 - 5018 (INV. UNIT) (CLASS) (ITEM NO. OR NO'S)
FOR: INQUIRY, SH 1 OF 1, NO.	
UQUOTATION, SH 1 OF 1 . NO	
DROOFEE	
USED WITH 67-5018	QUANTITY UNIT(S)
SERVICE 300 REACTOR IST GAS CO	MLER CONLANT PUMD
SERVICE	DWG
PLANT AND UNIT	NO
INSTRUCTIONS TO BIDDER 1. COMPLETE ITEMS 48 THRU 75 ON THIS INQUIRY, RETURN THIS INQUIRY PLUS 3 COPIES.	48. VENDOR COMPONENTS INC. STULSA OK
INCLUDE 3 SETS OF INFORMATION AND CATALOG DRAWINGS THAT ADEQUATELY DESCRIBE THE	49. HER SIEM'ENS
BID ITEMS, AND SPECIFICALLY INCLUDE A BEARING LIST WITH SUPPLY LOCATIONS AND	50. FRAME NO. 256 U . TYPE INDUCTION
DELIVERY TIME. MOTOR DATA: 7.5 Dep. 460 volts, 3 Phase, 80 HERTZ	53. EFFICIENCY 89. B X AT LOAD. 90.7 3/4 LOAD 1/2 LOAD.
3. FRAME NO. U-FRAME 4. SYN SPEED 1200 A ROW	GUARANTEED EFFICIENCY PER IEEE NO. 112. NETHOD B.  8.5  POMER P. 2  AT
5. (HORIZONTAL) (HERTIGAL) 8. TYPE ENCLOSURE	FACTOR 3 / 1/2 LOAD. 70 3/4 LOAD. 10/2 LOAD.
7. TYPE BEARINGS ANTI- FRICTION 8. TYPE LUB GREASE	55. CURRENT (MAX) FULL LOAD AMPS. LOCKED ROTOR 3.1-3 AMPS  55. NEMA 57. LOCKED ROTOR H
9. MAX VIBRATION  10. STARTING VOLTAGE: FULL  . REDUCED  . REDUCED	TORQUE SE. FULL LOAD AT FULL LOAD SPEED 34 FOOT LBS
11. NEMA DESIGN: (#) (B) (#) (D) OTHER	58. STARTING AT 180 x FULL LOAD BO. BREAKDOWN 2501 X FULL LOAD
12. STARTING TORQUE: NORMAL . HIGH	61. SPEED-TOROUE CURVE ATTACHED (MED). ENGLOSURE 63. JUNCTION
13. SLIP: 0-5%	82. U.L. APPROVED (YES) (NO) BOX MATL
14. DUTY:CONTINUOUS	B5. BEARING TYPE: COUPLING END AF
16. INSULATION 17. SERVICE FACTOR 1-15	OPPOSITE END AF
18. ALTITUDE ABOVE SEA LEVEL	VERTICAL MOTORS IN
19. ROTATION VIEWED FROM END OPPOSITE COUPLING (CLOCKVISE)	67. ALLOWABLE ENTERNAL THRUST: LBS DOWN, LBS UP
* TYPE ASSEMBLY (NEMA F-1, W-1, ETC)	66. THRUST BEARING MAKE
TYPE DRIVE (DIRECT SOUTH LECT)  DESIGNATE THE FOLLOWING ITEMS (IF REQUIRED):	89. THRUST BEARING AVERAGE LIFE
22 SPACE HEATERS VOLTS C MAX SURFACE TEMPERATURE	70. TYPE SHAFT
23 STAINLESS STEEL BREATHER & DRAIN 24 PROVISION FOR AIR FILTERS	
25 SPEED TORQUE CURVE W/ QUOTATION 28. YES THREADED DRAIN OPENING 27. BEARING TEMPERATURE ELEMENT 28 GIL GAGE	72. POINT OF ORIGIN LITTLE KOCK, HK.  73. NET WEIGHT OF HOTOR 300
29. WINDING TEMPERATURE ELEMENT 30- SPECIAL JUNCTION BOX	TOAL VENDOUS POCHMENTS:
31. STANDARD SLIDING BASE 32. 465 NON-SPARKING FAN	A. VENDOR SHALL MARK APPLICABLE PURCHASE ORDER NUMBER, EQUIPMENT SPECIFICATION NUMBER, AND DOCUMENT CODE ON DOCUMENTS.  B. MAIL DOCUMENTS TO:
33MAGNETIC CENTER MARK ON SHAFT 34. 455 LIFTING EYES	
35. SPECIAL ENCLOSURE 36. FORCED LUB EQUIPMENT 37. SPECIAL LEADS OR CONNECTORS 38. SPECIAL SHAFT FEATURES	
37SPECIAL LEADS OR CONNECTORS 38SPECIAL SHAFT FEATURES 39SOLE PLATES 40TROPICAL TREATMENT	VENDOR TO COMPLETE AS PART OF BID: SHOW MUMBER OF CALENDAR DAYS*
41RODENT SCREENS	VENOR REQUIRES FOR DELIVERY OF DOCUMENTS AFTER COMMITMENT.  APPROVAL CERTIFIED
42. YES DIE STAMPED STAINLESS STEEL NAMEPLATE HERN BEARING MANUFACTURER'S	DOC- CR DOCLMENT DESCRIPTION OTY DAYS OTY DAYS
NUMBERS STAMPED ON IT, (MOUNT WITH STAMMLESS STEEL SCREWS).  43. YES CHEMICAL TYPE MOTOR WITH CAST IRON YOKE, END BELLS, FAN HOUSING AND	01 DIMENSIONAL DRAWINGS: GENERAL ARRANGEMENT DRAWINGS THAT INCLIDE A COMPASTE SET OF DETAILS WITH WEIGHT.
JUNCTION BOX.	02 INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS
44. YES LEADS FROM MOTOR TO JUNCTION BOX TO BE SEALED AGAINST INTRUSION OF	OB RECOMMENDED SPARE PARTS: INCLUDE PRICES, POINTS OF SUPPLY AND DELIVERY. STAPE BEARING MANUFACTURER'S
FOREIGN PARTICLES	BEARING MANGER.  DEGETORMANCE DATA: FIRI LOAD CLERENTS. COSKED ROTOR
46. GREASE FILL AND DRAIN PIPES (STAINLESS STEEL) (GALVANIZED).	OF CURRENT AND FULL LOAD CURRENTS, COCKED ROTOR CURRENT AND FULL LOAD SPEED. EFFICIENCY, POMER FACTOR AND CURRENT VERSUS LOAD CURVES, TORQUE AND CURRENT VERSUS SPEED CURVE. MOTOR OPEN CIRCUIT TIME
46. FOR ENGINEERING DETAILS CONTACT:	CUBRENT VERSUS SPEED CURVE. NOTUR OPEN CIRCUIT TAKE
47. OTHER INFORMATION: ELECTRICAL AREA HAZARDOUS	
CLASS I GROUP CLD DIVISION 2	75. EXCEPTIONS SHOULD BE NOTED BELOW OR ATTACHED:
TEMPERATURE CODE TOD	
ADDLICABLE SPECS: IV F. OCP-30-1	
	4
PREPARED DATE APROS PROCESS APRO DATEDATE	

		JIRY. TATIO			MC	)			- (	DATE
	<b>⊠</b> PURC						- 14	0211-	735	0-0
EC NO. (AFE) (INV. UNIT) (CLASS) 67 (ITEM NO. OR NOS.)	5018	MAJE	1 3H (	or ;	, , , ,	J 11U-42			<u> </u>	•
NUCTION TO VENDOR	EQUIPMENT INFO		ē.							
CERTIFIED DATA SECTION SHALL BE COMPLETELY FILLED IN.	MODEL NO.		96	MT	X	• SIZE _	4 x	6-	10 H	Λ
THE ACTUAL NOISE PRODUCED BY THE EQUIPMENT SHALL BE MEASURED IN ACCORDANCE	DESIGN: CA				<u> </u>					$\overline{\Lambda}$
TH RECOGNIZED TEST STANDARDS	POWER	7	5	HP		SPEED	//	80		Δ
O LEVEL OCCURS.	TEST CONDITION			7		PRESSURE	s			
NO LEVEL ULTURG.  PLETE TABLE WITH ACTUAL SOUND LEVELS REGARDLESS OF WHAT SOUND LEVELS ARE	TEMP					FLUID				
IFIED.	12. PIPING: SI	7E				SCHEDULE				
VALUE OF B FOR EACH OCTAVE BAND SHALL BE INSERTED INTO ABOVE TABLE WHEN FREE	RPH					. X RATED	LOAD			
CORRECTION PROCEDURE DESCRIBED IN NOISE LEVELS OF STANDARD NO. 16-07-4 IS	13. SOUND P	RESSURE	LEVEL d	B RE 20	MICROPASC	ALS. 🗆 SC	UND POW	ER LEVEL	. dB RE	
D.	10 <sup>-12</sup> WATT									
S STANDARD NO. 15-07-4, NDISE-INDUSTRIAL EQUIPMENT, BECOMES A PART OF									·	,
ECIFICATION.	MEASURING			TABLE	1-OCTAVE.	BAND CENTE	R, FREQU	ENCY. HZ	ζ	
PMENT PERMISSIBLE SOUND LEVEL MEASURED AS INDICATED SHALL BE:	POINT	31.5	63	125	250	00 1000	2000	4000	8000	dBA
_ dBA RE 20 MICROPASCALS, dBA RE 10 <sup>-12</sup> WATT CTOTAL A-MEIGHTED							<u> </u>	<u> </u>		
OMER LEVEL).				]			ļ			
AUN PERMISSIBLE A-MEIGHTED SOUND LEVEL APPLIES TO THE EQUIPMENT DURING								L		
E OF OPERATION: I MICROPHONE LOCATION DURING MEASUREMENT SHALL BE AS		<u> </u>					<del>   </del>	1		
SKETCH BELOW. THE NEASURED 1 NETRE FROM MAJOR BOUNDING SURFACES IN		1	$\square$				<u> </u>	1		
WITH AN ACCEPTABLE TEST STANDARD RECOGNIZED BY THE INDUSTRY OR	INTEL CONTTO	<u> </u>					<u></u>		<u> </u>	<u></u>
I SI-13 USING THE FIELD NETHOD AS A MINIMUM-	14. DATA COLLE	CTED US!	NG TEST	STANDA	<b>80</b>	Λ.			<del></del>	
	15. WE CERTIFY	THAT TH	E NOISE	DUE TO	THIS EQUI	PHENT!	WILL NO	T EXCEED	THE SP	ECIFIE
N → MIKE	MAXIMUM PE	AMISSIBL	E SOUND	LEVEL.	Atrr 1	OT EXCEED	THE LEV	ELS LIST	ED IN T	ABLE
	ABOVE OBTA	INED BY	□ ACT	UAL TES	T ON THE E	QUIPMENT.	TEST	ON SIMI	LAR UNI	T IN
= 1	OPERATION.	☐ TEST	ON SIN	LAR UN	IT IN OUR	PLANT. 🗆	INDEPEN	DENT LA	ORATORY	TEST
PLETC. OF BURNER MIKE	(ATTACH RE	PORT). [	□ ESTIM	ATED US	ING PREDIC	TION SCHE	E CATTA	CH DESCR	RIPTION	
ORIVER "B"-FURNACE "C"-AIR COOLER	18. DESCRIPTIO	N OF SPE	CIAL AC	DUSTICA	L TREATMEN	T OR DEVIC	E PROPO	SED FOR	THE EQU	IPMENT
	(USE ADDIT	IONAL SI	EETS IF	RECUIR	ED)1					
11 L D		<u> </u>		<u></u>						
IN)	17. EXCEPTIONS	SHOULD	BE NOTE	D BELLOW	OR ATTACK	ED:				
LVE.	114				, , ,			D .		
OR.ETC.	- MHXL	MUN	I NO	با ے ق	<u> </u>	<u>: L: 8</u>	PC	PAR	TL	ME TE
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DATE APR 9.5 PROCESS APPRODATE	INQUIRY APP	pp . 56	3 8	AVE A	28.93	PURCH API	200		DATE	



Capacity (U.S. GPM)

Certified Test Mate 
By: Kindled Market

Date: 418-15

Power

B00

