	aliant.	
PROJECT: PP-PE PILOT PLANT	client:	₩
Title: DATA SHEET FOR 1ST GAS PHASE REACTOR CENTRIFUGAL COMPRESSOR (CF-411A/B)		شرکت ملی صنایع پتروش شرکت پژوهش و فناوری پتر
DATA SHEET FOR Recycle		
	Document No.: 400-DAS-A4-RE-0037	Rev.: 03
	Owner Job No.:	Type: DAS

			E	Process Data S	heet			,	DATE 2022/03	
DI ANIT	50 D0 T W	hahaha Osartan				AREA			Sheet	
PLANT:		hshahr Center				200		3	OF	6
SERVICE TYPE AND M	10.00E	<mark>S OIL FREE COMPRESS</mark> /ENDOR	OR	Quantity:	1	ITEM		C-28	00	
LOCATION		✓ OUTDOOR	□UNDER RO			NE .		GROUND FLO	OOR	
				SERVICE DATA		-				
CONDITIONS	3		NORMAL	ALTERNATIVE 1	ALTERNATIVE 2	ALTERNATIVE 3	ALTERN	NATIVE 4		
POSITION										
COMPRESSO										
	ED GAS (SEE AI									
	kg/h	bar a	55	55	55					
CAPACITY	std m ³ /h		45.68	45.69	46.42					
CAPACITY		KE CONDITIONS	2.97	2.99	3.39			+		
		12 001121110110		INTAKE CONDITION			I			
PRESSURE		bar a	16.5	16.5	15					
TEMPERATU		°C	40	40	40	·				
RELATIVE H		%								
MOLAR MAS	S	Kg/Kmol	1.932	1.932	1.963		ļ			
Cp/Cv (K1)		3	1.359	1.373	1.423		1			
DENSITY	SSIBILITY FAC	Kg/m³	18.53 0.9745	18.39 0.9815	16.22 0.9961		-			
Z ₁ - COMPRE	-COIDILITITAC	1010		SCHARGE CONDI						
PRESSURE		bar a	18	18	17					
	IRE EXPECTED	/ACTUAL °C								
Cp/Cv (K2)										
Z ₂ - COMPRE	SSIBILITY FAC	TOR								
5		o/ I					ı			
	T AT DES. CONI	D. %								
COMPRESSI POLYTROPION		m								
POLYTROPIC POWER REC		KW	BY VENDOR	BY VENDOR	BY VENDOR					
COMPRESSO		RPM	BY VENDOR	BY VENDOR	BY VENDOR					
DRIVER (1&4			✓ELECTRIC MOTOR		STEAM TURBINE					
8				GAS ANALYSIS	(2)					
CON	MPOSITION	MOLAR MASS	% MOLAR	% MOLAR	% MOLAR	% MOLAR	% M0	OLAR	% MOL	.AR
1 Nitrogen		28.0	57.00	67.00	100.00					
2 Ethylene		28.0	35.00	25.00	0.00					
3 Oxygene		32.0 44.0	7.00 1.00	7.00 1.00	0.00					
` -	ueoxide	44.0	1.00	1.00	0.00					
6										
7								-		
8										
Total			100.00	100.00	100.00					
i 										
NOTES ON G	SASES.						I			
	I CAUSED BY:									
COMPRESSO	OR SKETCH							-		
3										
NOTES:	ALL ELECTE:	CAL MOTODO CUCUE	NE 4000DD ****	-VDI 0010N 55055	OTANDADO EXC	F2				
(1)	ALL ELECTRIC	CAL MOTORS SHOULD B	SE ACCORDANCE E	EAPLUSION PROOF	STANDARD EXIIC	13.				
(2)										
(3)										
(4)										
2						_		_		
;										
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				<u>Pı</u>	rocess Dat	ta S	<u>heet</u>				DATE 2022/03	
PLANT: EO R&T M	lahshah	r Center						ARE	A		SHEET	
		REE COMPRESS	OB					200		4 C-28	OF	6
SERVICE RECYCLE G TYPE AND MODEL	AS UIL F	REE COMPRESS	UK		Quar	ntity:	1	ITEM		U-20	500	
LOCATION	√ OUTDO	OR		JUNDER ROO		y.	MEZZAN	INE		☑GROUND FL	LOOR	
				E	ENGINEERIN	IG D	ATA					
COMPRESSOR SPEED					RPM		CRITICAL SPEEDS				RPM	
MAX CONTINUOUS SPEED SURGE LIMIT)	m3/h			RPM		CRITICAL SPEEDS		of DESIGN		RPM	
DIRECTION OF ROTATION	(COMPR			TOR	AT DESIG	JN CC	SNOTTIONS	7	OF DESIGN	CAPACIT	Ť	
BINEOHON OF NOTATION	(OOM) IV	CLOOOK VILVED	TROWING		IALS AND CO	ONS.	TRUCTION					
COMPRESSOR CASING	SPLIT			HORIZONTAL	L		VERTICAL	MATERIAL				
	THICK						mm	CORROSION A				mm
IMPELLEDO		LLOWABLE TEMP		truci ocen			°C	MAX ALLOW.PI	RESS/HYDR.	TEST		bar g
IMPELLERS	TYPE	TRUCTION		ENCLOSED CAST			OPEN WELDED	MATERIAL RIVETED	□MILLI	ED.		
	No.	TROOTION		_CA31	DIAN	лете Лете	_	MAX				
DIAPHRAGMS	COOLE	ED		YES	5.,	_	_No	MATERIAL				
LABYRINTHS	RADIAI	L CLEARANCES					mm	MATERIAL				
SHAFT		TERS (IMPELLER			<u> </u>		mm	MATERIAL				
RADIAL BEARINGS	HOUSI	NG		INTEGRAL			SEPARATE					
	TYPE	CATION		BABBIT META RING	AL PLATED SHELL		FORCED			OIL PRES	iS.	bar
	SPAN	mm		DIAMETER	?	mm	LENGTH			CLEARAN		mn
THRUST BEARINGS	TYPE			KINGSBURY			KINGSBURY DOUBLE	□BALL			ROLLER	
SHAFT SEAL (NOTE 1)	LUBRIG	CATION		FORCED			RING			OIL PRES	S.	bar g
BASEPLATE	TYPE			LABYRINTH			LIQUID FILM	☐MECH.	ANICAL		RING	
5	TYPE	O		WELDED STE		_	CAST STEEL					
3	SUPPL	ON WITH COMPE			R MANUFACTURE	_	YES	□NO				
COUPLING	POSITI				AR MOTOR		COMPR. MO	TOR (OMPR. TUR	BINE		
	_	FACTURER										
	TYPE											
		CATION										
COUPLING GUARD	TYPE	IED BY		SHEET STEE	il Dr manufacture		NONSPARKING					
5	SUPPL	IED BT		_COMPRESSO	JK MANUI ACTUKL	_N						
OTHER PARTS:												
MASS: COMPRESSOR WIT		ASE PLATE				9	MAX FOR MAINTE					Κį
MASS: MAX TO MOUNTING	3					_	COMPRESSOR W	ITH BASE PLATE				Κį
CONNECTION (a)		SIZE	RATII	NG	CONNECT FACING	ION	UPWARDS	DOWNWARD	s PIGI	HT (b)	LEE	T (b)
INTAKE PIPING		2	#30		RF		DFWARDS	DOWNWARD	S KIGI		Г	
DELIVERY PIPING		1.5	#30		RF							
3]		
				Ţ								
5												
PURGE CONNECTIONS LIG	OLUD LISE	=D			SIZE		RATING AND FAC	ING.	No.	1		J
DRAIN CONNECTIONS	40.5 00.5				SIZE		RATING AND FAC		No.			
VENT CONNECTIONS				S	SIZE		RATING AND FAC	ING	No.			
NOTES: NOTE 1: It is recommended	l to be Fe	to F Time o	f O== C==l									
NOTE 1: It is recommended	to be Fa	ce to Face Type o	r Gas Seai									
										-		
					-							
DEV 02												

	E	Process Data S	sheet			DATE 2022/03	
PLANT: EO R&T Mahshahr Center				ARE/ 200		SHEET 5 OF	6
SERVICE RECYCLE GAS OIL FREE COMPRESS	SOR			ITEM		C-2800	0
TYPE AND MODEL		Quantity:	1	III EIN			
LOCATIONOUTDOOR		UNDER ROOF		MEZZANINE	/	GROUND FLOOR	
4		ATION AND SEALI	NG SYSTEM				
COMPRESSOR MANUFACTURER WILL SUPPLY A F	_	_				1	
COMMON WITH COMPRESSOR		☑GEAR ☑SEPARATE FROM SEAL		DRIVER		 WITHOUT SEAL OIL UNIT	
B SYSTEM ACCORDING TO DIAGRAM FIG.		OF API STANDARI				WITHOUT SEAL OIL UNIT	
OIL SYSTEM		LUBRICATION			SEA	AL .	
TYPE OF OIL USED							
WORKING PRESSURE bar g							
MAX ALLOWABLE PRESSURE bar g REQUIRED OIL FLOW RATE m³/h							
REQUIRED OIL FLOW RATE m³/h RESERVOIR: MOUNTED ON	BASE PLATE	CONSOLE		BASE PLATE	Псо	NSOLE	
5 CAPACITY m ³							
RETENTION TIME min							
PROVIDED WITH HEATER	ELECTRIC	STEAM		ELECTRIC	□st	EAM	
MAIN PUMP MANUFACTURED							
MAIN PUMP; MANUFACTURER TYPE-MODEL							
1 CASING MATERIAL							
CAPACITY-SPEED-POWER	m³/h	RPM	KW	m ³	³/h	RPM	KW
MOUNTED ON	BASE PLATE	CONSOLE	-	BASE PLATE		NSOLE	
DRIVEN BY	SHAFT	✓MOTOR	TURBINE	SHAFT	✓MOTOR	TURBINE	
STAND-BY PUMP; MANUFACTURER							
TYPE-MODEL CASING MATERIAL							
B CAPACITY-SPEED-POWER	m³/h	RPM	KW	m ^s	³/h	RPM	KW
MOUNTED ON	☐BASE PLATE	CONSOLE		BASE PLATE	□cc	NSOLE	
DRIVEN BY	SHAFT	□MOTOR	TURBINE	SHAFT	MOTOR	□TURBINE	
AUTOMATIC START	∐YES	□NO		D/FC			
ACTUATED ON PUMP SAFETY VALVES; SET PRESS. bar g				□YES	□NC)	
TYPE	☐INTEGRAL	SEPARATE		□INTEGRAL	□SE	PARATE	
OIL COOLER	DUAL	SINGLE		DUAL	SII	NGLE	
MOUNTED ON	BASE PLATE	CONSOLE		BASE PLATE	□co	NSOLE	
COOLING MEDIUM	Chronic C			Птема с			
CONSTRUCTION CODE SHELL MATERIAL	☐тема C			□ТЕМА C			
PIPE MATERIAL							
1 EXCHANGING HEAT KW							
FILTERS	□SINGLE	□DUAL		SINGLE	□DU	JAL	
MANUFACTURER -TYPE							
FILTERING DEGREE FILTERING ELEMENT	REPLACEABLE	CLEANING TY	DE	REPLACEABLE		EANING TYPE	
BODY MATERIAL		CLLANING I				LONGING HEL	
VALVES: BODY MATERIAL							
OIL DRAINS: REQUIRED	□YES		□NO	· · · · · · · · · · · · · · · · · · ·	SUPPLIED	BY	
MOUNTED ON	BASE PLATE		CONSOLE		UTEDO/D/		
MAX SEAL OIL LEAK OVERHEAD SEAL OIL TANK: REQUIRED	□YES		□NO		LITERS/DA	A Y	
SUPPLIED BY	COMPRESSOR	MANUFACTURER					
B PLACED	METERS ABO	VE COMPRESSOR	CENTERLINE				
CLARIFIER: REQUIRED	□YES		□NO		,		
SUPPLIED BY	COMPRESSOR	MANUFACTURER					
CAPACITY OIL PIPING MATERIAL	☐100% DAY ☐C-STEEL, CLEA	IN AND PICKLED	□50% DAY				
OIL PIPING WATERIAL	STAINLESS ST						
DRAIN OIL PIPING MATERIAL	STAINLESS ST						
OTHER DATA					,		•
NOTES:							
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		Proces	s Data Sheet		DATE 2022/03
PLANT: EO R&T M a	ahshahr Center			AREA	SHEET
SERVICE REC	CYCLE GAS OIL FREE COMP	RESSOR		ITEM	6 OF 6 C-2800
TYPE AND MODEL			Quantity: 1.00	ļ <u>-</u>	
LOCATION	☑ OUTDOOR	UNDER ROOF	MEZZA	NINE	GROUND FLOOR
INSTRUMENT READ OUT			AND PROTECTIONS		
INSTRUMENT READ OUT LOCAL PANEL FOR COMPR	ESSOR SUPPLIED BY	METRIC UNITS COMPR.MANUF.	PURCHASER	☐ENGLISH UNITS ☐NOT REQUIRED	□NOT NEEDED
	MENT CONNECTIONS SHALL I				
COMPR.MANUFACTURE			PURCHASER	_	
	DINDICATORS	MANU	JFACTURER	TYPE	AND SIZE
PRESSURE GAUGES THERMOMETERS					
LEVEL INDICATORS					
SIGHT FLOW INDICATORS					
TACHOMETERS					
PRESSURE SWITCHES					
TEMPERATURE SWITCHES AXIAL DISPLACEMENT INDI					
SAFETY AND/OR RELIEF VA					
POWER INDICATOR & RECO					
			JFACTURER SHALL SUPP	PLY AS A MINIMUM (1)	
PRESSURE GAUGES OIL PUMP DISCHARGE	LOCAL MOUNTED	PANEL MOUNTED	PROTECTIONS LUBE OIL LOW PRESSURI		ALARM LOCK
LUBE OIL EACH LEVEL			SEAL OIL LOW PRESSURI		
SEAL OIL EACH LEVEL			RESERVOIR OIL LOW LEV		
DIFFERENTIAL, SEAL OIL			GOV. CONTROL OIL LOW		
DIFF. BEFORE/AFTER FILTE			OIL FILTERS DIFF. HIGH P		
GOV. CONTROL OIL COMPRESSOR DISCHARGE	<u>□</u>		COMPR. DISCHARGE HIG ROTOR AXIAL POSITION	H IEMP.	
COMPRESSOR SUCTION	<u> </u>		STARTING OF AUXILIARY	SPARE PUMPS	
INTERMEDIATE STAGES			HIGH VIBRATIONS ON EA	CH BEARING	
			HIGH TEMP. LUBE OIL		
THERMOMETERS: OUTLET, EACH BEARING			HIGH TEMP EACH BEARIN	IG	
OUTLET, EACH SEAL					
COOLER INLET/OUTLET					
COMPR. SUCTION/DISCHAP	RGE 🗆				
REMOTE LOCKING AXIAL POSITION CONTINUOL	IS INDICATOR	CTRIC	□PNEUM <i>i</i>	ATIC	HYDRAULIC
	N EACH OIL OUTLET LINE FOR BEARIN	NGS-SEAL-COUPLINGS			
LEVEL GAUGES LUBE					
TO ACTUATE ALARMS AND	LOCKS THE CONTACT WILL				
OPEN	CLOSE TO SOUND ALARM				
OPEN	CLOSE TO LOCK				
	TS WILL BE SEPARATE AND	:			
			UBLE-THROW TYPE		
			OUBLE-THROW TYPE ONTROL		
METHOD	SPEED VARIATION	FROM TO	RPM	ON _suction	DISCHARGE
	BY-PASS	FROM TO	%	AUTOMATIC	MANUAL
CONTROL DEVICE	WITH PRESSURE SWITCH	WITH THERMO			
SIGNAL FROM		TYPE	RANGE EFFECT ON	VARIATION	
ANTISURGE CONTROL			EFFECTOR	VARIATION	
NOTES:					
			-		
REV. 03					

PROJECT: PP-PE PILOT PLANT Title: DATA SHEET FOR 1ST GAS PHASE REACTOR CENTRIFUGAL COMPRESSOR (CF-411A/B)		شرکت ملی صنایع پتروش شرکت پژوهش و فناوری پتر
DATA SHEET FOR Book		;-2900)
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		Process Data Sheet 2022/03								
						AREA		Sheet		
PLANT:		hshahr Center				200		3 OF	6	
SERVICE	AAA	OST COMPRESSOR				ITEM		C-2900		
TYPE AND M LOCATION		/ENDOR ☑outdoor	☐UNDER RO	Quantity:		NE		COROLIND FLOOR		
LOCATION		V DO TDOOK	UNDER RU	SERVICE DAT	☐MEZZANI A	INE.		☑GROUND FLOOR		
CONDITIONS	3		NORMAL		ALTERNATIVE 2	ALTERNATIVE 3	ALTERN	NATIVE 4		
POSITION										
COMPRESSO	OR CASING									
	ED GAS (SEE AI	NALYSIS)								
BAROMETRI	C PRESSURE:	bar a								
CADACITY	kg/h		12.44	12.44	12.44					
CAPACITY	std m ³ /h	C CONDITIONS	10.5 1.44	10.5 1.54	10.5 1.65					
	m /n AT INTA	KE CONDITIONS		INTAKE CONDITI						
PRESSURE		bar a	8	7.5	7					
TEMPERATU	RE	°C	40	40	40					
RELATIVE HI		%								
MOLAR MAS	S	Kg/Kmol	0.44	0.44	0.44					
Cp/Cv (K1)			1.41	1.41	1.41					
DENSITY		Kg/m ³	8.64	8.10	7.56					
	SSIBILITY FAC	IUK	0.9978	0.9979	0.9980		<u> </u>			
PRESSURE		bar a	30~35	SCHARGE COND 30~35	30~35		1			
	RE EXPECTED		30 33	30 33	30 33					
Cp/Cv (K2)	TE EXI EGIED	71010712								
Z ₂ - COMPRE	SSIBILITY FAC	TOR								
	TAT DES. CON	D. %								
COMPRESSI										
POLYTROPIC		m	DV/ VENDOD	DV///ENDOD	DV///ENDOD					
POWER REC		KW RPM	BY VENDOR BY VENDOR	BY VENDOR BY VENDOR	BY VENDOR BY VENDOR					
DRIVER (1&4			✓ELECTRIC MOTOR	BT VENDOR	STEAM TURBINE					
21.117211(10.1	,			GAS ANALYSIS						
	MPOSITION	MOLAR MASS	% MOLAR	% MOLAR	% MOLAR	% MOLAR	% M	OLAR % M	OLAR	
1 Nitrogen	е	28.0	100.00	100.00	100.00					
2										
3										
5										
6										
7										
8										
Total			100.00	100.00	100.00					
NOTES ON G	SASES:									
	CAUSED BY:									
COMPRESSO	OR SKETCH									
NOTES:										
NOTES: (1)	ALL ELECTRIC	CAL MOTORS SHOULD E	RE ACCORDANCE V	WITH EXPLOSION E	PROOF STANDARD	EXIICT3				
(1)	, LL LLLOINI	C, L WO I ONG GI IOOLD E	DE ACCONDANCE V	THE EXICOSION F	NOO! O!ANDARD	<u> </u>				
(2)										
(=)										
(3)				<u> </u>	<u> </u>					
(4)										
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				<u>Pr</u>	ocess Dat	ta S	<u>heet</u>				DATE 2022/03	
PLANT: EO R&T M	lahshahr Ce	enter						ARI			SHEET	
								20	0	4 C-29	OF	6
SERVICE OIL FREE BOTTYPE AND MODEL	DOST COMPR	RESSUR			Quar	otity:	1	ITEM		U-2	900	
LOCATION	✓ OUTDOOR		П	UNDER ROOF		itity.		INF		☑GROUND FI	LOOR	
	_				NGINEERIN	IG D						
COMPRESSOR SPEED					RPM		CRITICAL SPEEDS	S 1st		-	RPM	
MAX CONTINUOUS SPEED)				RPM		CRITICAL SPEEDS	S 2nd			RPM	
SURGE LIMIT		m3/h			AT DESIG	SN CO	ONDITIONS		% OF DESIGN	I CAPACIT	Υ	
DIRECTION OF ROTATION	(COMPRESS	OR VIEWED	FROM MO									
COMPRESSOR CASING	SPLIT				ALS AND CO			MATERIAL				
COMPRESSOR CASING	THICKNESS	3		HORIZONTAL			VERTICAL mm	CORROSION A	LLOWANCE			mm
		VABLE TEM	P				°C	MAX ALLOW.P		TEST		bar g
IMPELLERS	TYPE	THE TEN		ENCLOSED			OPEN	MATERIAL	INLOO/III DIN.	ILOI		bui g
	CONSTRUC	CTION		CAST			WELDED	RIVETED	MILL	ED		
;	No.				DIAM	ИЕТЕ	RS	MAX				
DIAPHRAGMS	COOLED			YES			_NO	MATERIAL				
LABYRINTHS	RADIAL CLI			-	-		mm	MATERIAL	-			
SHAFT		S (IMPELLER					mm	MATERIAL				
RADIAL BEARINGS	HOUSING			INTEGRAL			SEPARATE					
	TYPE	ON			L PLATED SHELL		Transp			OIL PRES		bor
2	SPAN	ON mm		RING DIAMETER		mm	FORCED LENGTH	mm		CLEARAN		bar g mm
THRUST BEARINGS	TYPE	111111		KINGSBURY S			KINGSBURY DOUBLE	□BALL			ROLLER	
SHAFT SEAL (NOTE 1)	LUBRICATI	ON		FORCED	5111022		RING			OIL PRES		bar g
BASEPLATE	TYPE			LABYRINTH			LIQUID FILM		IANICAL		RING	
3	TYPE			WELDED STE	EL		CAST STEEL					
7	COMMON V	VITH COMPI	RESSOR AN	ND MOTOR	₹		_YES	□NO				
3	SUPPLIED	BY	V		R MANUFACTURE	ER						
COUPLING	POSITION			GEA	R MOTOR		COMPR. MO	TOR	COMPR. TUR	BINE		
	MANUFACT	URER										
2	TYPE LUBRICATION	ON										
COUPLING GUARD	TYPE	ON		SHEET STEEL			NONSPARKING	П				
i	SUPPLIED	BY			- R Manufacture		_IVONSI ARRANG					
5				·								
OTHER PARTS:	•											
MASS: COMPRESSOR WIT		PLATE				9	MAX FOR MAINTE					Κę
MASS: MAX TO MOUNTING	3					_	COMPRESSOR W	ITH BASE PLAT				Κ
CONNECTION (a)		CIZE	I DATIN	VIC.	CONNECT FACING	ION		DOWNWARE	e Dici	JT (b)	1.55	T /b\
CONNECTION (a) INTAKE PIPING		SIZE 1.5	RATIN		RF		UPWARDS	DOWNWARD	S RIGI	HT (b)	LEF	
DELIVERY PIPING		1.3	#300		RF							
3				-						_		
ı												
5]		
]		
PURGE CONNECTIONS LIC	QUID USED				IZE		RATING AND FAC		No.			
DRAIN CONNECTIONS VENT CONNECTIONS					IZE		RATING AND FAC		No.			
VENT CONNECTIONS				3	IZE		RATING AND FAC	ing	No.			
NOTES:												
NOTE 1: It is recommended	I to be Face to	Face Type of	of Gas Seal									
<u>'</u>												
3												
ı												
PEV 02												

	E	Process Data S	sheet			DATE 2022/03	
PLANT: EO R&T Mahshahr Center				ARE/ 200	4	SHEET 5 OF	6
SERVICE OIL FREE BOOST COMPRESSOR				ITEM		C-2900	- 0
TYPE AND MODEL		Quantity:	1				
LOCATIONOUTDOOR		UNDER ROOF		MEZZANINE	4	GROUND FLOOR	
1		CATION AND SEALI	NG SYSTEM				
COMPRESSOR MANUFACTURER WILL SUPPLY A F	_	_				,	
COMMON WITH COMPRESSOR COMBINED WITH SEAL OIL SYSTEM		☑GEAR ☑SEPARATE FROM SEAL		DRIVER		J WITHOUT SEAL OIL UNI	
S SYSTEM ACCORDING TO DIAGRAM FIG.		OF API STANDARI				JWITHOUT SEAL OIL UNI	
OIL SYSTEM		LUBRICATION			SEA	AL	
TYPE OF OIL USED							
WORKING PRESSURE bar g							
MAX ALLOWABLE PRESSURE bar g REQUIRED OIL FLOW RATE m³/h							
RESERVOIR: MOUNTED ON	BASE PLATE	CONSOLE		BASE PLATE		ONSOLE	
5 CAPACITY m ³							
RETENTION TIME min							
PROVIDED WITH HEATER	ELECTRIC	STEAM		ELECTRIC	□ST	EAM	
MATERIAL MAIN PUMP; MANUFACTURER							
TYPE-MODEL							
CASING MATERIAL							
CAPACITY-SPEED-POWER	m³/h	RPM	KW	m ³	/h	RPM	KW
MOUNTED ON	BASE PLATE	CONSOLE		BASE PLATE		ONSOLE	
DRIVEN BY	SHAFT	✓MOTOR	TURBINE	SHAFT	✓MOTOR	TURBINE	
STAND-BY PUMP; MANUFACTURER TYPE-MODEL							
7 CASING MATERIAL							
CAPACITY-SPEED-POWER	m ³ /h	RPM	KW	m ³	/h	RPM	KW
MOUNTED ON	BASE PLATE	CONSOLE		BASE PLATE		ONSOLE	
DRIVEN BY	SHAFT	MOTOR	TURBINE	SHAFT	MOTOR	TURBINE	
AUTOMATIC START	∐YES	□NO		□YES			
ACTUATED ON PUMP SAFETY VALVES; SET PRESS. bar g				∐1E2			
TYPE	☐INTEGRAL	SEPARATE		INTEGRAL	□SE	PARATE	
OIL COOLER	DUAL	SINGLE		DUAL	□SI	NGLE	
MOUNTED ON	BASE PLATE	CONSOLE		BASE PLATE	cc	ONSOLE	
COOLING MEDIUM CONSTRUCTION CODE	□тема С			Птема с			
SHELL MATERIAL	ПЕМАС			ПЕМАС			
PIPE MATERIAL							
EXCHANGING HEAT KW							
FILTERS	SINGLE	DUAL		SINGLE	DL	JAL	
MANUFACTURER -TYPE							
FILTERING DEGREE FILTERING ELEMENT	REPLACEABLE	CLEANING TY	DE	REPLACEABLE	Па	EANING TYPE	
BODY MATERIAL			· =		CL		
VALVES: BODY MATERIAL							
OIL DRAINS: REQUIRED	☐YES		□NO		SUPPLIED	BY	
MOUNTED ON	☐BASE PLATE		CONSOLE		LITERS/D	^~	
MAX SEAL OIL LEAK OVERHEAD SEAL OIL TANK: REQUIRED	□YES		□NO		LITERS/D/	41	
SUPPLIED BY		MANUFACTURER					
PLACED	METERS ABO	VE COMPRESSOR	CENTERLINE				
CLARIFIER: REQUIRED	□YES		□NO		,		
SUPPLIED BY	_	MANUFACTURER					
CAPACITY OU DIDING MATERIAL	□100% DAY	AN AND DICKLED	□50% DAY				
OIL PIPING MATERIAL	□C-STEEL, CLEA						
DRAIN OIL PIPING MATERIAL	STAINLESS ST						
OTHER DATA							
NOTES:							
5							
3							
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		Process	s Data Sheet		DATE 2022/03		
PLANT: EO R&T M	ahshahr Center			AREA 200	SHEET 6 OF 6		
SERVICE OIL	FREE BOOST COMPRESSOR	₹		ITEM	6 OF 6 C-2900		
TYPE AND MODEL	THE BOOK OOM RECOOL	•	Quantity: 1.00	III LWI	0 2000		
LOCATION	☑ OUTDOOR	UNDER ROOF		ZANINE	☑GROUND FLOOR		
		INSTRUMENT	AND PROTECTIONS				
INSTRUMENT READ OUT		☐METRIC UNITS		ENGLISH UNITS			
LOCAL PANEL FOR COMP		COMPR.MANUF.	PURCHASER	□NOT REQUIRED	□NOT NEEDED		
COMPR.MANUFACTUR	MENT CONNECTIONS SHALL	BE BROUGHT OUT TO	PURCHASER				
	D INDICATORS	MANL	JFACTURER	TYPE	AND SIZE		
PRESSURE GAUGES							
THERMOMETERS							
LEVEL INDICATORS							
SIGHT FLOW INDICATORS							
TACHOMETERS PRESSURE SWITCHES							
TEMPERATURE SWITCHES	3						
AXIAL DISPLACEMENT INC							
SAFETY AND/OR RELIEF V	ALVES						
POWER INDICATOR & REC							
			FACTURER SHALL SUF		ALADM : 22''		
PRESSURE GAUGES OIL PUMP DISCHARGE	LOCAL MOUNTED	PANEL MOUNTED	PROTECTIONS LUBE OIL LOW PRESSUI		ALARM LOCK		
LUBE OIL EACH LEVEL			SEAL OIL LOW PRESSUR				
SEAL OIL EACH LEVEL			RESERVOIR OIL LOW LE				
DIFFERENTIAL, SEAL OIL			GOV. CONTROL OIL LOV				
DIFF. BEFORE/AFTER FILT	ERS		OIL FILTERS DIFF. HIGH	PRESSURE			
GOV. CONTROL OIL			COMPR. DISCHARGE HIG				
COMPRESSOR DISCHARG			ROTOR AXIAL POSITION				
COMPRESSOR SUCTION INTERMEDIATE STAGES			STARTING OF AUXILIARY/SPARE PUMPS HIGH VIBRATIONS ON EACH BEARING				
INTERNIEDIATE STAGES			HIGH TEMP. LUBE OIL	ACH DEARING			
THERMOMETERS:			HIGH TEMP EACH BEAR	ING			
OUTLET, EACH BEARING							
OUTLET, EACH SEAL							
COOLER INLET/OUTLET							
COMPR. SUCTION/DISCHA	RGE 🗆						
REMOTE LOCKING	☐ELEC	TRIC		MATIC	☐HYDRAULIC ☐		
AXIAL POSITION CONTINUO			٠				
VISUAL FLOW INDICATOR	ON EACH OIL OUTLET LINE FOR BEARIN	NGS-SEAL-COUPLINGS					
LEVEL GAUGES LUBE							
TO ACTUATE ALARMS AND	LOCKS THE CONTACT WILL						
OPEN	CLOSE TO SOUND ALARM						
□OPEN	CLOSE TO LOCK						
ALARM AND LOCK CONTA	CTS WILL BE SEPARATE AND						
			UBLE-THROW TYPE				
		_	ONTROL				
METHOD	SPEED VARIATION	FROM TO	RPM	ON _suction	DISCHARGE		
METHOD	BY-PASS	FROM TO	%	AUTOMATIC	MANUAL		
CONTROL DEVICE	WITH PRESSURE SWITCH	WITH THERMOS					
SIGNAL FROM		TYPE	RANGE				
ANITICUIDOS CONTDOI			EFFECT O	N VARIATION			
ANTISURGE CONTROL NOTES:							
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