

 ICIC شرکت سرمایه‌گذاری صنایع شیمیایی ایران IRAN CHEMICAL INDUSTRIES INVESTMENT CO	Completing the Remaining Documents of Design and Engineering Services for LAB2 Unit						 شرکت طرح نواندیشسان	
	Substation No.05 HVAC Equipment Data Sheets							
Contract No.: 6258	Pro. Cod	Cons.	Discipline	Unit	Type	Serial	Rev	
	LRP	TNA	HV	19	DSH	0001	01	
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4						
3						
2						
1	2-Dec-2023	AFD		H.RASOOLI	H.RASOOLI	AR.AHOOEI
0	24-Jul-2023	ISSUE FOR APPROVAL		H.RASOOLI	H.RASOOLI	AR.AHOOEI
REV	DATE	POI		Prepared By	Checked By	Approved By

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AIR HANDLING UNIT									
SITE CONDITION	EXPOSURE :								
	ALTITUDE (ABOVE SEA LEVEL) :	5528	(Ft)	1,685	(M)				
	OUTDOOR DESIGN DB. TEMP. :	122	(° F)	50.0	(C°)				
	OUTDOOR DESIGN WB. TEMP:	77	(° F)	25.0	(C°)				
LOCATION :	SUBSTATION BUILDING – ROOF								
TAG NO. :	SUB-PKG-101A,B								
MIXING BOX WITH PRE-FILTER	QTY :	2 (DUTY-STANDBY)							
	AHU TYPE :	HORIZONTAL							
	SUPPLY AIR :	9,730	(CFM)	4,592	(L/s)				
	RETURN AIR :	7,984	(CFM)	3,768	(L/s)				
	FRESH AIR :	1,454	(CFM)	686	(L/s)				
	EXHAUST AIR (FROM AHU) :	0	(CFM)	0	(L/s)				
DAMPER	FRESH AIR	DAMPER TYPE :		MOTORIZED					
		BLADE TYPE :		OPPOSED					
	SUPPLY AIR	DAMPER TYPE :		MOTORIZED					
		BLADE TYPE :		OPPOSED					
	RETURN AIR	DAMPER TYPE :		MOTORIZED					
		BLADE TYPE :		OPPOSED					
FILTER	1ST. BED :ALUMINUM-WASHABLE	DIFFERENTIAL PRESSURE SWITCH :		REQUIRED					
		EFFICIENCY :		85%					
		MAX. AIR PRESSURE DROP :* :		(*)	(IN. W.G.)	(*)	(Pa)		
		FACE AREA :* :		(*)	(SQ Ft)	(*)	(SQ m)		
		FRAME MATERIAL :		STAINLESS STEEL 316L					
		RAILS MATERIAL :		STAINLESS STEEL 316L					
		NO OF LAYERS :		5					
		WASHABLE FILTER ARRANGEMENT :		V-TYPE					
	2ND. BED :PLEATED	DIFFERENTIAL PRESSURE SWITCH :		REQUIRED					
		EFFICIENCY :		30%					
		MAX. AIR PRESSURE DROP :* :		0.6	(IN. W.G.)	150	(Pa)		
		FACE AREA :* :		(*)	(SQ Ft)	(*)	(SQ m)		
		FRAME :		STAINLESS STEEL 316L					
3RD. BED :BAG	DIFFERENTIAL PRESSURE SWITCH :		REQUIRED						
	EFFICIENCY :		95%						
	MAX. AIR PRESSURE DROP :* :		1	(IN. W.G.)	250	(Pa)			
	FACE AREA :* :		(*)	(SQ Ft)	(*)	(SQ m)			
	FRAME :		STAINLESS STEEL 316L						

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AIR HANDLING UNIT										
SUPPLY FAN DATA	NO. OF FAN (DUTY/STAND BY) : *			1 (DUTY)						
	FAN DIRECTION :			FRONT DISCHARGE						
	FAN SIZE : *			*	(IN)	*	(MM)			
	TOTAL AIR FLOW :			9,730	(CFM)	4,592	(L/s)			
	AIR FLOW FOR EACH FAN : *			9,730	(CFM)	4,592	(L/s)			
	INTERNAL STATIC PRESSURE : *			2.40	(IN. W.G.)	600	(Pa)			
	EXTERNAL STATIC PRESSURE :			1.60	(IN. W.G.)	400	(Pa)			
	TOTAL STATIC PRESSURE : *			4.00	(IN. W.G.)	1,000	(Pa)			
	FAN BLADE TYPE :			BACKWARD						
	FAN IMPELLER MATERIAL :			CARBON STEEL						
	FAN HOUSING MATERIAL :			ST37						
	FAN BHP : *			*	(BHP)					
	TIP SPEED : *			MAX 20 (RPM)						
	FAN SOUND LEVEL :			MAX ALLOWABLE NOISE LEVEL AT 1(M) FROM UNIT : 85 (DB)						
	FAN EFFICIENCY : *			MIN 70 (%)						
	DIFFERENTIAL PRESSURE SWITCH :			REQUIRED						
	MOTOR	NUMBER (DUTY/STAND BY) : *			1 (DUTY)					
		FAN CONNECTION TYPE TO ELECTROMOTOR:			DIRECT DRIVE					
		NO OF BELT : *			(*)					
		BELT TYPE : *			(*)					
BEARING TYPE :			PILLOW BLOCK							
LUBRICANT PORT FOR BEARING : *			(*)							
PROTECTION DEGREE :			IP55							
INSULATION CLASS :			F							
RPM : *			max(1450)							
TOTAL POWER INPUT:			15	(HP)	8	(KW)				
CONTROL SYSTEM:			-							
			400	(VOLT)	3	(PH)	50	(CYC)		
COOLING COIL	TOTAL COOLING LOAD :			346	(MBH)	101.3	(KW)			
	SENSIBLE COOLING LOAD :			321	(MBH)	94.1	(KW)			
	ENTERING AIR DB / WB TEMP. :			93.3 / 66	(° F)	34 / 18.9	(° C)			
	LEAVING AIR DB / WB TEMP. :			55.8 / 53.3	(° F)	13.2 / 11.8	(° C)			
	EVAPORATING TEMP : *			MAX.	45	(° F)	7.2	(° C)		
	ADP : *			55.9	(° F)	13.3	(° C)			
	REFRIGERANT TYPE :			R134a						
	NO OF COIL : *			1						

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AIR HANDLING UNIT											
COOLING COIL	COIL FACE AREA : *		*	(SQ Ft)	*	(SQ. M)					
	COIL VELOCITY :		MAX.	500	FPM	2.54	MPS				
	COIL HEAT TRANSFER AREA : *		(*)	(SQ Ft)	(*)	(SQ. M)					
	MAX. AIR PRESSURE DROP : *		*	(IN.W.G.)	*	(Pa)					
	FIN TYPE : *		CORRUGATED								
	FINS PER INCH : *		MAX. 10					FPI			
	FINS THICKNESS : *		MIN. 0.0059	(IN.)	MIN. 0.15	(MM)					
	NO.OF ROWS : *		*	CIRCUITING : FULL							
	DIFFERENTIAL PRESSURE TRANSMITTER:		REQUIRED								
	COIL BY PASS FACTOR : *		0.1								
	TUBE SHEET ARRANGEMENT : *		TRIANGLE ARRANGEMENT								
	TUBE MATERIAL :		SEAMLESS COPPER								
	TUBE THICKNESS : *		MIN. 0.014 (IN)								
	FIN MATERIAL :		ALUMINIUM (WITH CORROSION PROTECTION)								
ANTI CORROSION COATING :		BLYGOLD / HERESITE									
ANTI FREEZE PROTECTION :		REQUIRED									
HEATING COIL	TOTAL HEATING LOAD :		200.3	(MBH)	57.8	(KW)					
	ENTERING/LEAVING AIR DB TEMP. :		51.8/75	(° F)	11/24	(° C)					
	AIR PRESSURE DROP (WORKING):*			(IN.W.G.)		(Pa)					
	AIR PRESSURE DROP (DESIGN) :		*	(IN.W.G.)	*	(Pa)					
	FIN TYPE :		CORRUGATED								
	FINS PER INCH :		MAX : 10	FPI	NO. OF ROW :	1					
	FINS THICKNESS :		MIN : 0.0059	(IN.)	MIN : 0.15	(MM)					
	FIN MATERIAL :		STAINLESS STEEL								
	COIL BY PASS FACTOR : *		0.1								
	COIL FACE AREA :		*	(SQ Ft)	*	(SQ. M)					
	TUBE MATERIAL :		STAINLESS STEEL								
	TUBE THICKNESS : *		*	(IN.)	*	(MM)					
	HOT WATER	H.W INLET/OUTLET TEMP. :		180 / 160	(° F)	82 / 710	(° C)				
		H.W FLOW :		20.0	(GPM)	1.3	(L/s)				
		HOT WATER VELOCITY :*			(FPS)	0	(MPS)				
		H.W MAX. PRESSURE DROP:		*	(Fl.W.G.)	*	(KPa)				
		NO. OF CIRCUIT : *						CIRCUITING :			
COIL BY PASS FACTOR : *		0.1									
ELECTRICAL AND CONTROL PANEL	ELECTRICAL AND CONTROL PANEL :				REQUIRED						
	ELECTRICAL AND CONTROL PANEL TYPE :				CENTRAL-REMOTE FLOOR MOUNTED						
	ELECTRICAL AND CONTROL PANEL PROTECTION CLASS :				IP42						
PACKAGED UNIT ENCLOSURE :				DOUBLE SKIN							

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AIR HANDLING UNIT												
CASING	UNIT CHASSIS MATERIAL , THICKNESS :			ALUMINIUM			4	(MM)				
	UNIT BOTTOM PLATE MATERIAL :			GALVANIZED			2	(MM)				
	DRAIN PAN MATERIAL/THICKNESS :			PP			2	(MM)				
	EXTERNAL PANEL		MATERIAL :			GALVANIZED						
			THICKNESS :			1.5				(MM)		
			INSULATION / THICKNESS :			POLYURETHANE			50	(MM)		
			COATING THICKNESS :			PRIMARY		70	MICRON			
						INTERMEDIATE		100	MICRON			
						FINAL		70	MICRON			
			RAL SPECIFICATION : *			CASING		(*)				
						BODY		(*)				
	INTERNAL PANEL		MATERIAL : *			(*)						
			THICKNESS :			1.5				(MM)		
			COATING THICKNESS :			PRIMARY		70	MICRON			
						INTERMEDIATE		100	MICRON			
FINAL		70				MICRON						
PERFORATED FAN SECTION INTERNAL PANEL :			REQUIRED									

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AIR HANDLING UNIT			
PHYSICAL DATA	OVERALL HEIGHT (*)		(MM)
	OVERALL LENGTH (*)		(MM)
	OVERALL WIDTH (*)		(MM)
	OPERATING WEIGHT (*)		(KG)
* SHALL BE COMPLETED / FINALIZED BY VENDOR.			

REMARKS :

- 1- PACKAGED UNIT SHALL BE DESIGNED AND MANUFACTURED TO OPERATE FOR YEAR AROUND.
- 2- INTERNAL PRESSURE DROP AND TOTAL PRESSURE DROP SHALL BE FINALIZED BY VENDOR.

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AIR COOLED CONDENSING UNIT										
SITE CONDITION	EXPOSURE :									
	ALTITUDE (ABOVE SEA LEVEL) :			5528	(Ft)	1,685			(M)	
	OUTDOOR DESIGN DB. TEMP. :			122	(°F)	50.0			(°C)	
	OUTDOOR DESIGN WB. TEMP. :			77	(°F)	25.0			(°C)	
LOCATION :	SUBSTATION BUILDING – ROOF									
TAG NO. :	SUB-PKG-101A,B									
NUMBER OF CONDENSER :	1 (EACH AHU 1 UNIT)									
AIR-COOLED CONDENSER	TOTAL HEAT REJECTION : *		424	(MBH)	135		(KW)			
	CONDENSING TEMP. : *		137	(° F)	58.3		(° C)			
	TEMP. DIFFERENCE (TD) :		MAX. 18	(° F)	MAX. 10		(° C)			
	COIL	NO. OF CIRCUIT : *		(*)	CIRCUITING : *		*			
		NO OF COIL FOR EACH CIRCUIT : *		*	TOTAL NO OF COIL : *		*			
		NO. OF ROWs : *		*	FINS PER INCH :		MAX. 10			
		COIL FACE AREA* :		(*)	(SQ.FT)	(*)		(SQ.M)		
		COIL VELOCITY :		MAX. 550	(FPM)	2.8		(M/S)		
		CONDENSER COIL ARRANGEMENT : *		V TYPE						
		MAX. AIR PRESSURE DROP :		*	(IN.W.G.)	*		(Pa)		
		FIN THICKNESS : *		MIN. 0.006	(IN)	MIN. 0.15		(MM)		
		FIN MATERIAL :		ALUMINIUM						
		TUBE SIZE : *		(*)	(IN)	(*)		(MM)		
		TUBE THICKNESS : *		(*)	(IN)	(*)		(MM)		
		TUBE MATERIAL :		SEAMLESS COOPER						
	PRESSURE RELIEF VALVE :		REQUIRED							
	COATING HEAT TRANSFER CORRECTION FACTOR :		5%							
	ANTI CORROSION COATING :		BLYGOLD / HERESITE							
	FAN	QUANTITY(FOR EACH) : *		6	TYPE :	AXIAL, ROTOREX				
		NO F FAN FOR EACH CIRCUIT : *		6						
CLASS :		F	FAN DIA. : *	30	(IN)	762	(MM)			
TOTAL AIR FLOW : *		40,500	(CFM)	19,114			(L/S)			
FAN EFFICIENCY:		MIN. 75	(%)							
FAN SPEED :		MAX. 900					(RPM)			
ALLOWABLE NOISE LEVEL AT 1(M) FROM UNIT :		MAX. 85					(DB)			
FAN FRAME MATERIAL : *		(*)								
FAN IMPELLER MATERIAL : *		(*)								
FAN HOUSING MATERIAL : *		(*)								
PROTECTION DEGREE :		IP55								
TOTAL ELEC. POWER INPUT : *		7	(HP)	5		(KW)				
		400	(VOLT)	3	(PH.)	50	(CYC)			

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AIR COOLED CONDENSING UNIT										
COMPRESSOR	TYPE :		SEMI-HERMETIC SCREW			QUANTITY : *	1			
	TOTAL REFRIGERANT CHARGE* :		*	(Lb)	*	(Kg)				
	SUPER HEAT TEMP(MAX) :		10	(° F)	5.5	(° C)				
	SUBCOOLING TEMP(MAX) :		7	(° F)	3.8	(° C)				
	INSULATION CLASS :		F							
	PROTECTION DEGREE :		IP55							
	LIQUID INJECTION :		REQUIRED							
	OIL LEVEL SWITCH :		REQUIRED							
	OIL HEATER :		REQUIRED							
	SIGHT GLASS :		REQUIRED							
	SUCTION VALVE :		REQUIRED							
	DISCHARGE VALVE :		REQUIRED							
	TOTAL ELEC. POWER INPUT : *		*	(HP)	*	(KW)				
	400		(VOLT)	3	(PH)	50	(CYC)			
CAPACITY REDUCTION :		25/50/75/100 (% FULL CIRCUIT)								
REFRIGERATION EQUIPMENT	EXPANSION VALVE TYPE :		ELECTRONIC							
	ANTI FREEZ PROTECTION :		REQUIRED							
	ACCUMULATOR :		REQUIRED							
	ACCUMULATOR WITH HEAT EXCHANGER :		REQUIRED							
	RECEIVERS TANK :		REQUIRED							
	OIL SEPARATOR :		REQUIRED							
	SOLENOID VALVE FOR EACH CIRCUIT :		REQUIRED							
	FILTER DRIER FOR EACH CIRCUIT :		REQUIRED							
	SIGHT GLASS FOR EACH CIRCUIT :		REQUIRED							
	SERVICE VALVE FOR EACH CIRCUIT :		REQUIRED							
	SUCTION PRESSURE GUAGE FOR EACH CIRCUIT :		REQUIRED							
	DISCHARGE PRESSURE GUAGE FOR EACH CIRCUIT :		REQUIRED							
	OIL PRESSURE GUAGE FOR EACH CIRCUIT :		FOR COMPACT SCREW COMPRESSORS NOT REQUIRED							
	YEAR ROUND OPERATION :		REQUIRED							
ELECTRICAL AND CONTROL PANEL	ELECTRICAL AND CONTROL PANEL :		REQUIRED							
	ELECTRICAL AND CONTROL PANEL TYPE :		CENTRAL-REMOTE FLOOR MOUNTED							
	ELECTRICAL AND CONTROL PANEL PROTECTION CLASS :		IP65							

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AIR COOLED CONDENSING UNIT					
CASING	PACKAGED UNIT ENCLOSURE :		DOUBLE SKIN		
	UNIT CHASIS MATERIAL , THICKNESS :CARBON STEEL(STANDARD PROFILE)		CARBON STEEL(STANDARD PROFILE)		
	UNIT BOTTOM PLATE MATERIAL :		GALVANIZED 2 (MM)		
	EXTERNAL PANEL	MATERIAL :	GALVANIZED		
		THICKNESS :	1.5 (MM)		
		COATING THICKNESS :	PRIMARY	70	MICRON
			INTERMEDIATE	100	MICRON
			FINAL	70	MICRON
	RAL SPECIFICATION : *	CASING	(*)		
		BODY	(*)		
PERFORATED FAN SECTION INTERNAL PANEL :		REQUIRED			
PHYSICAL DATA	OVERALL HEIGHT (*)		(MM)		
	OVERALL LENGTH (*)		(MM)		
	OVERALL WIDTH (*)		(MM)		
	OPERATING WEIGHT (*)		(KG)		
* SHALL BE COMPLETED / FINALIZED BY VENDOR.					

REMARKS :

1- PACKAGED UNIT SHALL BE DESIGNED AND MANUFACTURED TO OPERATE FOUR YEAR AROUND.

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CENTRIFUGAL FAN							
SITE CONDITION	EXPOSURE :						
	ALTITUDE :	5,528	(ft)	1,685	(m)		
	OUTDOOR DESIGN DBT :	122	(°F)	50.0	(°C)		
GENERAL DATA	TAG NO. :	SUB-EX-101A,B		TYPE :	SINGLE WIDTH SINGLE INLET		
	QUANTITY :	2	(1 DUTY & 1 STANDBY)				
	LOCATION :	BATTERY ROOM - ROOF					
	EMPLACEMENT :	OUTDOOR		HAZARD AREA :	YES		
	FLUID :	Air		FLUID TEMPERATURE :	44	(°C)	
	EXPLOSION PROOF :	YES		EX. PROOF CLASS :	Exe IIC T3		
CONFIGURATION	FAN BLADE TYPE :	BACKWARD CURVED					
	POWER TRANSMISSION :	BELT DRIVE					
	ROTATE DIRECTION :	ONE COUNTER CLOCKWISE / FOUR CLOCKWISE					
	DISCHARGE DIRECTION :	HORIZONTAL DISCHARGE					
	DISCHARGE TYPE :	FREE DISCHARGE					
	NUMBER OF BELT:	1					
FAN DATA	AIR FLOW :	606	(CFM)	286	(l/s)		
	TOTAL STATIC PRESSURE :	0.42	(in.w.g.)	105	(Pa)		
	FAN SIZE :	12	(in)	310	(mm)		
	INLET/OUTLET AREA :	0.71	(ft ²)	0.07	(m ²)		
	MAX. OUTLET VELOCITY :	854	(fpm)	4.34	(m/s)		
	TIP SPEED* :		(fpm)		(m/s)		
	MAX FAN SPEED* :	1100	(RPM)	FAN EFFICIENCY*:	MIN. 75	(%)	
	SOUND LEVEL @ 1m	80	(DB)	FAN BHP :	0.1		
BEARING TYPE :	PILLOW BLOCK		NO. OF SHEAVE :	(*)			

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CENTRIFUGAL FAN							
MOTOR DATA	MOTOR SPEED :	1400	(RPM)				
	FULL LOAD AMP. :	1.6	(A)				
	IP :	55	INSULATION CLASS :	F			
	TOTAL POWER INPUT :	0.7	(HP)	0.6	(kW)		
	400	(VOLT)	3	(PH)	50	(CYC)	
MATERIAL	HOUSING MATERIAL :	(*)		IMPELLER MATERIAL :	(*)		
	SHAFT MATERIAL :	(*)		CHASSIS MATERIAL :	(*)		
ACCESSORIES	TERMINAL BOX :	REQUIRED					
	ON/OFF SWITCH :	REQUIRED					
	EMERGENCY SHUT DOWN PUSH BOTTOM :	REQUIRED					
	SHEAVE & PULLEY PROTECTION GUARD :	REQUIRED					
	VIBRATION ISOLATOR :	REQUIRED					
	ACCESS DOOR FOR HOUSING :	REQUIRED					
	BACK DRAFT DAMPER :	REQUIRED					
PHYSICAL DATA*	OVERALL HEIGHT :	725	(mm)	OVERALL WIDTH :	615	(mm)	
	OVERALL LENGTH :	690	(mm)	OPERATING WEIGHT :	90	(kg)	
* SHALL BE COMPLETED / FINALIZED BY VENDOR.							
REMARKS :							

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CENTRIFUGAL FAN					
SITE CONDITION	EXPOSURE :				
	ALTITUDE :	5,528	(ft)	1,685	(m)
	OUTDOOR DESIGN DBT :	122	(°F)	50.0	(°C)
GENERAL DATA	TAG NO. :	SUB-EX-102		TYPE :	SINGLE WIDTH SINGLE INLET
	QUANTITY :	1	(1 DUTY & 0 STANDBY)		
	LOCATION :	CABLE GALLERY			
	EMPLACEMENT :	OUTDOOR		HAZARD AREA :	YES
	FLUID :	Air		FLUID TEMPERATURE :	44 (°C)
	EXPLOSION PROOF :	NO		EX. PROOF CLASS :	-
CONFIGURATION	FAN BLADE TYPE :	BACKWARD CURVED			
	POWER TRANSMISSION :	BELT DRIVE			
	ROTATE DIRECTION :	ONE COUNTER CLOCKWISE / FOUR CLOCKWISE			
	DISCHARGE DIRECTION :	HORIZONTAL DISCHARGE			
	DISCHARGE TYPE :	FREE DISCHARGE			
	NUMBER OF BELT:	1			
FAN DATA	AIR FLOW :	1415	(CFM)	668	(l/s)
	TOTAL STATIC PRESSURE :	0.62	(in.w.g.)	155	(Pa)
	FAN SIZE :	15	(in)	380	(mm)
	INLET/OUTLET AREA :	1.08	(ft ²)	0.10	(m ²)
	MAX. OUTLET VELOCITY :	1308	(fpm)	6.65	(m/s)
	TIP SPEED* :		(fpm)		(m/s)
	MAX FAN SPEED* :	1216	(RPM)	FAN EFFICIENCY*:	MIN. 75 (%)
	SOUND LEVEL @ 1m	80	(DB)	FAN BHP :	0.2
BEARING TYPE :	PILLOW BLOCK		NO. OF SHEAVE :	(*)	

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	Substation No.05 HVAC Equipment Data Sheets							
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-	Doc No. :			LRP-TNA-HV-19-DSH-0001				

CENTRIFUGAL FAN							
MOTOR DATA	MOTOR SPEED :	1400	(RPM)				
	FULL LOAD AMP. :	2.2	(A)				
	IP :	55	INSULATION CLASS :	F			
	TOTAL POWER INPUT :	1.0	(HP)	0.7	(kW)		
	400	(VOLT)	3	(PH)	50	(CYC)	
MATERIAL	HOUSING MATERIAL :	(*)		IMPELLER MATERIAL :	(*)		
	SHAFT MATERIAL :	(*)		CHASSIS MATERIAL :	(*)		
ACCESSORIES	TERMINAL BOX :	REQUIRED					
	ON/OFF SWITCH :	REQUIRED					
	EMERGENCY SHUT DOWN PUSH BOTTOM :	REQUIRED					
	SHEAVE & PULLEY PROTECTION GUARD :	REQUIRED					
	VIBRATION ISOLATOR :	REQUIRED					
	ACCESS DOOR FOR HOUSING :	REQUIRED					
	BACK DRAFT DAMPER :	REQUIRED					
PHYSICAL DATA*	OVERALL HEIGHT :	880	(mm)	OVERALL WIDTH :	710	(mm)	
	OVERALL LENGTH :	800	(mm)	OPERATING WEIGHT :	130	(kg)	
* SHALL BE COMPLETED / FINALIZED BY VENDOR.							
REMARKS :							

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AXIAL FAN								
SITE CONDITION	EXPOSURE :							
	ALTITUDE :		5,528	(ft)	1,685		(m)	
	OUTDOOR DESIGN DBT :		122	(°F)	50.0		(°C)	
GENERAL DATA	TAG NO. :		SUB-EX-103,104		MOUNTED ON :		WALL	
	QUANTITY :		2		(2 DUTY & 0 STANDBY)			
	LOCATION :		DIESEL ROOM					
	HAZARD AREA :		NO		TYPE :		PROPELLER	
	EXPLOSION PROOF :		NO		EX. PROOF CLASS :		NO	
FAN DATA	AIR FLOW :		2341		(CFM)	1105 (l/s)		
	TOTAL STATIC PRESSURE :		0.30		(in.w.g.)	75 (Pa)		
	FAN SIZE :		17		(in)	440 (mm)		
	MAX FAN SPEED* :		1400	(RPM)	FAN EFFICIENCY* :		MIN. 75 (%)	
	SOUND LEVEL @ 1m		80	(DB)	FAN BHP :		0.15 -	
MOTOR DATA	MOTOR SPEED :		1390	(RPM)	FULL LOAD AMP. :		1.1 (A)	
	INSULATION CLASS :		F		IP :		55 -	
	TOTAL POWER INPUT :		0.5		(HP)	0.37 (kW)		
	400		(VOLT)	3		(PH)	50 (CYC)	
ACCESSORIES	ON/OFF SWITCH :			REQUIRED				
	EMERGENCY SHUT DOWN PUSH BOTTOM :			REQUIRED				
	FAN GUARD :			REQUIRED				
PHYSICAL DATA*	OVERALL HEIGHT :		530	(mm)	CLEARANCE	LEFT SIDE :		(*) (mm)
	OVERALL LENGTH :		530	(mm)		RIGHT SIDE :		(*) (mm)
	OVERALL DEPTH :		300	(mm)		UP SIDE :		(*) (mm)
	TOTAL OPERATING WEIGHT :		20	(kg)		BOTTOM SIDE :		(*) (mm)
* SHALL BE COMPLETED / FINALIZED BY VENDOR.								
REMARKS :								