


 شرکت سرمایه گذاری صنایع شیمیایی ایران IRAN CHEMICAL INDUSTRIES INVESTMENT CO	Completing the Remaining Documents of Design and Engineering Services for LAB2 Unit						 شرکت طرح نو اندیشان	
	Substation No.05 HVAC Equipment Data Sheets							
	Pro. Cod	Cons.	Discipline	Unit	Type	Serial		Rev
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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 :			OPPESED					
	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 : EFFICIENCY : MAX. AIR PRESSURE DROP : * FACE AREA : * FRAME :			REQUIRED					
					30%					
					0.6	(IN. W.G.)	150	(Pa)		
					(*)	(SQ Ft)	(*)	(SQ m)		
					STAINLESS STEEL 316L					
	3RD. BED :BAG	DIFFERENTIAL PRESSURE SWITCH : EFFICIENCY : MAX. AIR PRESSURE DROP : * FACE AREA : * FRAME :			REQUIRED					
					95%					
					1	(IN. W.G.)	250	(Pa)		
					(*)	(SQ Ft)	(*)	(SQ m)		
					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 TREANSFER 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:				*		(Ft.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	(ft²)	0.07	(m²)	
	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	(ft²)	0.10	(m²)		
	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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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 :									