Group ATP
HVAC for heavy industry

PRELIMINARY DATA FOR SKID QUOTE

COMPANY	
CONTACT PERSON	

SITE LOCATION		
city		
country		
state		
elevation	(m)	
CLIMATIC DESIGN DATA		
summer design dry bulb	(℃)	
summer humidity or design wet bulb	(RH%-℃)	
winter design dry bulb	(℃)	
HAZARDOUS LOCATION	(Y,N)	
class	(1,2)	
division/zone	(0,1,2)	
group	(Iia,IIB,....)	
temperature class	(T1,T2,...)	
MARINE ENVIRONMENT	(Y,N)	
SEISMIC AREA	(Y,N)	
REQUIRED CERTIFICATION		
reference 1	(CSA,CE,...)	
reference 2	(CSA,CE,...)	
reference 3	(CSA,CE,...)	
MAIN REQUIRED STANDARD-RULES		
reference 1	(ASME, API,....)	
reference 2	(ASME, API,....)	
reference 3	(ASME, API,....)	
reference 4	(ASME, API,....)	
UTILITY		
power supply	(N,Y,data)	
steam	(N,Y,data)	
cooling media	(N,Y,data)	
heating media	(N,Y,data)	
water	(N,Y,data)	
well water	(N,Y,data)	
sea water	(N,Y,data)	
natural gas	(N,Y,data)	
compressed air	(N,Y,data)	
instrument air	(N,Y,data)	
AVAILABLE AREA FOR SKID		
length	(m)	
wide	(m)	
high	(m)	
WINTERIZATION	(Y,N)	
ELECTRICAL GENERATOR	(Y,N)	

REQUIRED COOLING MEDIUM	(Y,N)	
water	(X)	
water-glycol	(X)	
Tin	(℃)	
Tout	(℃)	
flow	(mc/h)	
variable flow	(Y,N)	
pressure drop	Kpa	
cooling capacity	(kWf)	
redundancy: (1x100%)	(X)	
redundancy: (2x100%)	(X)	
redundancy: (2x50%)	(X)	
REQUIRED HEATING MEDIUM	(Y,N)	
water	(X)	
water-glycol	(X)	
Tin	(℃)	
Tout	(℃)	
flow	(mc/h)	
variable flow	(Y,N)	
pressure drop	Kpa	
heating capacity	(kWt)	
redundancy: (1x100%)	(X)	
redundancy: (2x100%)	(X)	
redundancy: (2x50%)	(X)	
REQUIRED AIR FLOW	(Y,N)	
Tsupply summer	(℃)	
Tsupply winter	(℃)	
RH	%, N.A.	
return	%, N.A.	
Treturn	(℃)	
supply	(mc/h)	
variable air flow	(Y,N)	
ESP	Pa	
redundancy: (1x100%)	(X)	
redundancy: (2x100%)	(X)	
redundancy: (2x50%)	(X)	
CHEMICAL FILTER	(Y,N)	
variable air flow	(Y,N)	
redundancy: (1x100%)	(X)	
redundancy: (2x100%)	(X)	
redundancy: (2x50%)	(X)	

ADDITIONAL NOTES/INFORMATIONS

Group ATP
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PRELIMINARY DATA FOR SKID QUOTE

COMPANY	VERSALIS SpA
CONTACT PERSON	

SITE LOCATION		
city		PRIOLO G. (SR)
country		ITALY
state		ITALY
elevation	(m)	0
CLIMATIC DESIGN DATA		
summer design dry bulb	(℃)	35
summer humidity or design wet bulb	(RH%-℃)	27℃
winter design dry bulb	(℃)	0
HAZARDOUS LOCATION	(Y,N)	N
class	(1,2)	
division/zone	(0,1,2)	
group	(Iia,IIB,....)	
temperature class	(T1,T2,....)	
MARINE ENVIRONMENT	(Y,N)	Y
SEISMIC AREA	(Y,N)	Y
REQUIRED CERTIFICATION		
reference 1	(CSA,CE,...)	CE
reference 2	(CSA,CE,...)	
reference 3	(CSA,CE,...)	
MAIN REQUIRED STANDARD-RULES		
reference 1	(ASME, API,....)	ISO
reference 2	(ASME, API,....)	UNI
reference 3	(ASME, API,....)	
reference 4	(ASME, API,....)	
UTILITY		
power supply	(N,Y,data)	Y, 3-400V-50Hz
steam	(N,Y,data)	N
cooling media	(N,Y,data)	N
heating media	(N,Y,data)	N
water	(N,Y,data)	Y
well water	(N,Y,data)	N
sea water	(N,Y,data)	Y
natural gas	(N,Y,data)	N
compressed air	(N,Y,data)	N
instrument air	(N,Y,data)	N
AVAILABLE AREA FOR SKID		
length	(m)	6
wide	(m)	4
high	(m)	7
WINTERIZATION	(Y,N)	N
ELECTRICAL GENERATOR	(Y,N)	N

REQUIRED COOLING MEDIUM	(Y,N)	Y
water	(X)	X
water-glycol	(X)	
Tin	(℃)	12
Tout	(℃)	7
flow	(mc/h)	18
variable flow	(Y,N)	N
pressure drop	Kpa	100
cooling capacity	(kWf)	105
redundancy: (1x100%)	(X)	
redundancy: (2x100%)	(X)	X
redundancy: (2x50%)	(X)	
REQUIRED HEATING MEDIUM	(Y,N)	N
water	(X)	
water-glycol	(X)	
Tin	(℃)	
Tout	(℃)	
flow	(mc/h)	
variable flow	(Y,N)	
pressure drop	Kpa	
heating capacity	(kWt)	
redundancy: (1x100%)	(X)	
redundancy: (2x100%)	(X)	
redundancy: (2x50%)	(X)	
REQUIRED AIR FLOW	(Y,N)	Y
Tsupply summer	(℃)	20
Tsupply winter	(℃)	15
RH	%, N.A.	50
return	%, N.A.	
Treturn	(℃)	
supply	(mc/h)	3000
variable air flow	(Y,N)	N
ESP	Pa	300
redundancy: (1x100%)	(X)	
redundancy: (2x100%)	(X)	X
redundancy: (2x50%)	(X)	
CHEMICAL FILTER	(Y,N)	Y
variable air flow	(Y,N)	N
redundancy: (1x100%)	(X)	
redundancy: (2x100%)	(X)	X
redundancy: (2x50%)	(X)