



Elettromeccanica M.B. S.r.l.

# AC & HVAC REQUEST FORM

please fill in your request and send it to  
[info@elettromeccanicamb.com](mailto:info@elettromeccanicamb.com)

Date				
Company name				
Reference name				
Email / Phone				
Project / Final customer				
Functionality	<input type="checkbox"/> AC	<input type="checkbox"/> HAC	<input type="checkbox"/> VAC	<input type="checkbox"/> HVAC
<b>CLASSIFICATION AREA</b>				
Location	<input type="checkbox"/> Safe area	<input type="checkbox"/> ATEX	<input type="checkbox"/> IECEx	<input type="checkbox"/> EAC Ex
Category	<input type="checkbox"/> I		<input type="checkbox"/> II	
Zone	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 21	<input type="checkbox"/> 22
Temperature class	<input type="checkbox"/> T3		<input type="checkbox"/> T4	
Gas explosion group	<input type="checkbox"/> IIB	<input type="checkbox"/> IIB+H <sub>2</sub>	<input type="checkbox"/> IIC	
<b>SITE AMBIENT CONDITIONS</b>				
Location	Country		City	
External min ambient temperature	°C		%RH	
External max ambient temperature	°C		%RH	
Internal winter ambient temperature required	°C		%RH	
Internal summer ambient temperature required	°C		%RH	
<b>SHELTER / CABINET DETAILS</b>				
Overall dimension (mm)	L	W	H	
Plinth height	H			
Structure frame thickness	Wall	Roof	Floor	
Insulation thickness	<input type="checkbox"/> Not provided	Wall	Roof	Floor
Sunshade roof	<input type="checkbox"/> Yes	<input type="checkbox"/> No	L x W	
Glass window	Quantity	Dimensions		
Frame material				
Frame thermal factor	$\lambda$ (W/mK)		U (W/m <sup>2</sup> K)	
Insulation material				
Insulation thermal factor	$\lambda$ (W/mK)		U (W/m <sup>2</sup> K)	
Glass window thermal factor	$\lambda$ (W/mK)		U (W/m <sup>2</sup> K)	
<b>GENERAL DETAILS</b>				
Heat loss dissipation (equipment/lighting)	W			
Personnel (150W)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Quantity	
Power supply	V	Hz	Phase	
Heating functionality	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Marine environmental	<input type="checkbox"/> Std. Manufacturer	<input type="checkbox"/> Special _____		
Corrosive environmental	<input type="checkbox"/> Std. Manufacturer	<input type="checkbox"/> Special _____		
Type of refrigerant (if mandatory)	<input type="checkbox"/> R134a	<input type="checkbox"/> R407c	<input type="checkbox"/> R404a / R449a	
<b>HVAC FUNCTIONALITY</b>				
Pressurization Standard Reference (IEC, EN, ...)				
Air change per hour	ACH			
Redundancy	<input type="checkbox"/> Not required	<input type="checkbox"/> 2x100% only ventilation	<input type="checkbox"/> 2x100% single frame	<input type="checkbox"/> 2x100% double frames
Gas detectors inside shelter	<input type="checkbox"/> Provided by customer	<input type="checkbox"/> Not provided	<input type="checkbox"/> To be provided from EMB	
Air intake stack	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Height from ground level	
Internal air distribution duct	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Material	
Renewal air filtration	<input type="checkbox"/> Single stage G4	<input type="checkbox"/> Double stage G4+F7	<input type="checkbox"/> Other _____	
De-umidification functionality	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Only control (alarm signalization)	
<b>NOTE / REMARKS</b>				