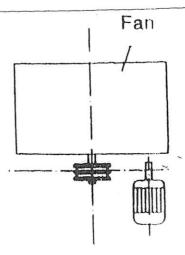
SR#	ITEM SPECIFICATON	QTY
1.	Centrifugal Fans with Following Specifications: Fan: Flow Rate: 100,000 CMH, Static Pressure: 10 in of WG, Construction Class: III as per ACMA, Gas Tightness Class: B Eurovent 1/10 Motor: Power Supply: 380-415V, 3Phase, 50Hz Motor Make: Siemens, ABB or Equivalent Insulation Class: H; IP Class: IP 55,Cooling Method: TEFC Accessories: Anti Vibration Mounts; Belt and Shaft Guards; Flanged Inlet and Outlet Flexible Joints; Variable Inlet Vane; Outlet Damper	
	Fan Configuration RD90 as per Eurovent 1/1 Fan Configuration LG90 as per Eurovent 1/1	02 01
	Spares and other Details / Requirements as per page-3~6	

Centrifugal Fans

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Centrifugal Fans will meet following technical specifications in addition to the requirements mentioned on page-2/6

Item	Description		QTY (Nos
No	Centrifugal Fans Complete with Motor, Accessories and Spares Following Specifications: Fan Configuration RD90 as per Eurovent 1/1	with	02
	Fan Configuration LG90 as per Eurovent 1/1		01
	Fan:-		
	 Type: Power Transmission: Flow Rate: Static Pressure: Inlet: Construction Material: Epoxy Painted Fan Class: Maximum Temperature: Ambient Temperature: Medium: Centrifugal Belt Driven 100,000 CMH 10 in of WG Single Wet Parts, SS; Other Parts: Carb Wet Parts of Wet Parts of Carb Wet Parts of Wet Parts of W	×	
	Motor:	•	
	 Power Supply: 380-415V, 3Phase, 50Hz Motor Make: Siemens, ABB or Equivalent Insulation Class: H Protection Class: IP 55 Cooling Method: TEFC 		
	Fan Configuration:-	-	
	For Fan-A and Fan-B: RD90 arrangement as per Eur Clockwise rotation, when seen from the side opposite to (Driver/Motor Side), with outlet at 90° to the vertical axis. Both farrangement are shown below:-	to the in	net



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View from Top For Motor of Fan-C

Gas Tightness Requirements:

- The fan will be gas tight and the gas tightness shall conform to the Class B of Eurovent "Guidelines for Gas Tight Fans", 1-10, 2005
- Continuous welding on casing with liquid penetrant testing.
- Shaft seal shall be achieved with at least 2 floating bush rings.

Balancing Requirements:

- The rotating assembly (i.e Impeller, Shaft and Pulley) shall be balanced both statically and dynamically.
- Balancing shall conform to VDI 2060 or any equivalent industrial balancing standard. The standard and grade used for balancing must be mentioned on the quote.

Vibration and Noise Limits:

- Vibration at the bearings should be less than 4.5 mm/sec.
- The vibration characteristics shall conform to the VDI 2056 or equivalent industrial vibration standard.
- Noise level at or below 90 dB(A), at a distance of 1.5 m, measured in accordance with AMCA 300/301 or equivalent industrial standard.

Accessories:

- Provision of Inspection Door with gaskets, ensuring leak tightness
- Anti-vibrátion Mounts
- · Belt and Shaft Guards
- Flanged Inlet and Outlet, alongwith Flexible Joints
- Variable Inlet Vane
- Outlet Damper

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Spares:

Motor: 01 No

Shaft: 01 NoImpeller: 01 No

Belts: 03 Sets

Bearings: 01 Complete SetSeals: 01 Complete Set

Additional Requirements:

• The Fan must be factory assembled and tested.

 The supply must include all the necessary documents regarding Fan operation and installation i.e. Operation and Maintenance Manuals; Installation Manuals, Characteristic Curves etc

 3rd Party Certificates for fan balancing, vibration measurements and noise levels shall be provided.

 The overall length and width of the fan must be kept as less as possible and the dimensions alongwith drawings must accompany the quote.

• Fan motor wattage must be mentioned in the quote in addition to other technical specifications.

Note

Spare list is for all 03 No of fans and not to be mistaken for each fan.