

Technical Specifications of Oil free Air Compressor

S.N.	Technical Specification	Bidder's Proposed Specifications	Deviation (If any)	Page no. in technical datasheet
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1.0	Description of Function			
1.1	An oil-free reciprocating compressor is used to compress air or gas without using lubricating oil inside the compression chamber			
2.0	Operational Requirements			
2.1	It shall be skid mounted			
3	System Configuration			
3.1	Oil free reciprocating air compressor			
4.0	Technical Specification			
4.1	It shall be Reciprocating Piston, Oil-Free, two stage compressor			
4.2	Capacity shall be at least 10 kW or more.			
4.3	Suction air pressure shall be approx. 0.2-0.5 Mpa			
4.4	Maximum discharge pressure shall be 1 Mpa			
4.5	Air production shall be approx. 4000 LPM or more			
4.6	Cooling method should be air cooled			
4.7	Displacement shall be 44 CFM or more			
4.8	Motor shall be Direct on line and belt driven			
4.9	Noise level must be 80dB or better			
5.0	Accessories, spares and consumables			
5.1	Air filter-4 pcs			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.0	Operating Environment			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 380-415 Volt, 3 Phase, 50Hz Single Phase fitted with appropriate plug.			

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7.0	Standards and Safety Requirements			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND			
7.2	CE (93/42 EEC Directives) OR USFDA approved product certificate.			
8.0	User Training			
8.1	The bidder must conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			
9.0	Warranty			
9.1	Comprehensive warranty for 1 year after acceptance.			
10.0	Maintenance Service during Warranty Period			
10.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
11.0	Installation and Commissioning			
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12.0	Documentation			
12.1	Bidder should provide user (Operating) manual in English(Hardcopy and CD)			
12.2	Bidder should provide Service (Technical / Maintenance) manual in English (Hardcopy and CD).			
12.3	Bidder should provide certificate of calibration and inspection from the manufacturer during installation.			


