

**Specification**

1.	<b>Name of Machine</b>	<b>Air Compressor with standard and additional accessories, Qty-1 No</b>													
2.	<b>Quantity</b>	01 (One)													
3.	<b>Brand:</b>	To be mentioned													
4.	<b>Model:</b>	To be mentioned													
5.	<b>Specification of the Machine</b>	(a) Compressor type	Variable Speed Drive (Fixed Speed not acceptable)												
		(b) Drive System	Direct Drive (gear / belt / shaft not acceptable)												
		(c) Drive Position Configuration	Upright (vertical)												
		(d) Ambient Working Temperature	5°C ~ 46°C												
		<b>(e) Free Air Delivery</b>													
		(1) Working Pressure	12.5 bar~13 bar												
		(2) Capacity (min)	780m <sup>3</sup> /h or 460 cfm at 12.5 bar												
		(3) Delivery line Diameter	Ø2.5"												
		(f) Motor & Drive Cooling	Oil Cooled												
		<b>(g) Motor</b>													
		(1) Technology	Interior Permanent Magnet (IPM)												
		(2) Power Rating	90~110 KW / 125~150 HP												
		(3) Speed control	Through integrated VFD inverter												
		(h) VFD Inverter Manufacturer	Same as compressor manufacturer												
		<b>(j) Air drying function</b>													
		(1) Dryer location	To be integrated with the compressor												
		(2) Drying method	Condensate extraction												
		(3) Refrigerant type	To be mentioned												
		(4) Control	To be controlled by compressor controller												
		<b>(k) Compressor Controller</b>													
		(1) Manufacturer	Same as compressor manufacturer												
		(2) Interface Type	Touch screen												
		(3) Display Type	Color TFT LCD												
		(4) Connectivity	Ethernet												
		(l) Power input:	3 Phase, 380~400V, 50 Hz												
		(m) Weight of each Compressor	To be mentioned												
		(n) Dimensions of each Compressor	To be mentioned												
6.	<b>Country of origin:</b>	Group -A Country													
7.	<b>Country of Assembly/ Manufacture &amp; Port of Shipment</b>	Group -A Country													
8.	<b>Conditions</b>	<p>a. All standard attachment, accessories along with required amount of Compressor synthetic lubricant fluid for trial run must be supplied with each machine. Price of the Items must be mentioned separately.</p> <p>b. Additionally, Minimum pressure valve kit – 5 Pcs, Oil filter - 5 Pcs, Oil separator - 5 Pcs, Air filter - 10 Pcs, Dust &amp; Oil particle Filter - 5 Pcs, Air Compressor synthetic lubricant fluid (8000 service hours) - 209 liter compatible with the offered machines must be supplied from Compressor Original Equipment Manufacturer (OEM). Price and part number have to be mentioned for each item.</p> <p>c. Any optional item recommended by the manufacturer that is compatible with the respective machine must be offered with price &amp; part number in the financial offer which should be certified by the manufacturer of the machine (not by the local agent).</p> <p>d. List of spare parts required for five (05) years operation must be offered with price in the technical &amp; financial offer.</p> <p>e. Possible floor layout plan(s) with physical dimensions for offered compressor to be submitted with offer.</p> <p>f. Machine installation, trial run and operational with maintenance training (electrical &amp; mechanical) is to be provided by the machine manufacturer at BOF site, The duration of training should be at least 7 working days after machine installation, following information must be given as below:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">Ser</th> <th style="width:15%;">Training</th> <th style="width:60%;">Details</th> <th style="width:20%;">Supplier's Opinion</th> </tr> </thead> <tbody> <tr> <td rowspan="3">1.</td> <td rowspan="3">Local training</td> <td>Trainer Type ( Local / Foreign)</td> <td></td> </tr> <tr> <td>Number of Trainer</td> <td></td> </tr> <tr> <td>Training Schedule</td> <td></td> </tr> </tbody> </table>		Ser	Training	Details	Supplier's Opinion	1.	Local training	Trainer Type ( Local / Foreign)		Number of Trainer		Training Schedule	
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|  |  | <p>g. 1 x Maintenance Toolbox to be supplied. Maintenance toolbox must contain all required tools for basic maintenance of the supplied compressors. Toolbox items should be mentioned with the both technical and financial offers.</p> <p>h. All electric components, Motors, Compressor Controllers, Inverters, Central Controller and safety modules must be manufactured by group-A countries. Manufacturer Countries for major items (Motors, Compressor Controllers, Inverters, Central Controller) items have to be mentioned separately in the technical offer.</p> <p>j. The items should be supplied from OEM or authorized local branch for OEM of the mentioned brand and valid letter of authorization to be submitted.</p> <p>k. Documents regarding the Compressor operation and maintenance like Datasheets; Dimensional drawings; Electrical wiring diagrams; Operation &amp; maintenance manuals for all equipment in English must be supplied with the machine along with PDF soft copy.</p> <p>l. Minimum warranty 01 (one) year after acceptance should be provided by the manufacturer.</p> <p>m. Bidder should submit original Leaflet / Catalogue / Brochure for all equipment (endorsed by manufacturer) with the offer. Manufacturer's main website must be mentioned in the brochure where the offered item must be found.</p> <p>n. The service support with spares for minimum 10 years to be provided by the manufacturer.</p> |
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