



VIJAYPRAKASH ENTERPRISES

52/2, Shop No-4, Near Ganesh Petrol Pump (Rahuti) Kondi, Solapur-413 202

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QUOTATION

Our Ref : VPE/KAE/21/16

13/07/2021

M/s **Bhuseva Farmers Producer Co. Ltd**
22/1/C Anghar, Wafale road, Khandobachi wadi,
Tal - Mohol, Dist - Solapur . 413412

Kind Attn : Mr. Sachin Thite Sir.

Your ref: Our Telephonic discussion & Text masage about requirement of (20 HP) compressor.

Subject : Requirement for Air compressor

With ref to above mentioned subject, We are pleased to offer our air compressors as below

1. Kaeser make air compressor model [ASK 28](#) delivering 2.86 M3/MIN (101 CFM)@ the working pressure of **7.5 bar (G)**
2. Kaeser make ref air dryer model [TCH 36](#)
3. Vertical air receiver of size **1 m3 (1000 lit)**
4. Kaeser make Oil Removal filter model [F 26 KE](#)

We feel that you will find our offer very competitive & attractive. Request you not to hesitate in getting in touch with us if any clarifications are required on technical matters. We look forward to you for your valued order & would be pleased to meet you all at the time convenient to you to discuss how superiority of our products can be put to service to contribute / to meet your requirement of compressed air system.

Thanking you & assuring you of best of our services at all the times, we remain.

Yours faithfully,

For VIJAYPRAKASH ENTERPRISES

(Pramod Patil)

SR NO	DESCRIPTION	MODEL OFFERED
1.	<p>SCREW AIR COMPRESSOR :</p> <p>KAESER make single stage fluid cooled air end with world renowned sigma profile heavy duty stationary screw air compressor delivering FAD of 2.86 cu. M/ min.(101 CFM) with a delivery pressure of 7.5 bar (g) { 8.16 kg/sq.cm(g)} at the outlet, driven by Electric motor of 15 kW (20 HP)rated output. The FAD will be guaranteed as per ISO 1217 Annexure C. The noise level will be measured as per PN8NTC2.3 at 1 meter distance under free-field condition & will be 65 dB(A) . The canopy of the compressor is provided with suitable coating of foam to avoid undue noise outside the compressor. The compressor will be with “ Sigma Control 2.”</p>	<p><u>ASK 28</u></p>

ANNEXTURE A

I. The standard equipment inside the skid of compressor will include the following parts.

- ✓ **KAESER** make single stage , fluid cooled air end with efficient, world –renowned “ **SIGMA**” profile
- ✓ The compressor drive : Belt driven machine with auto tensionor
- ✓ Multiple use air intake filter to suck the air.
- ✓ Pneumatic inlet & vent valves
- ✓ Fluid reservoir cum separation (one tank only) with three stage separating system ensuring minimum fluid carry over.
- ✓ Pressure relief valve, Minimum pressure valve
- ✓ Thermostatic valve to control fluid temperature
- ✓ Spin-on micron fluid filter
- ✓ All lines rigidly piped & connected via flexible coupling
- ✓ Motor to drive the compressor. Energy saving motor, suitable for continuous duty operation with IP 54 enclosure protection & class F insulation suitable for 415V.
- ✓ Anti-vibration mounts for safe mounting of compressor & nil vibrations to the
- ✓ floor
- ✓ Each equipment motor & air end is mounted on anti- vibration mounts
- ✓ Sigma control- PLC Based control which will be able to give the information which is enclosed herewith.
- ✓ Suitably sized ref air dryer in case of T version

II. UNIQUE FEATURES OF KAESER AIR SCREW COMPRESSOR:

MOTOR: German made premium eff (IE 3) electric motor to IP 55 & insulation class F of **15 kw (20 hp)suitable for continuous duty operation**

- ✓ **SIGMA CONTROL 2:** Rugged industrial computer with real time operating system providing fully automatic control & monitoring of the compressor .A separate detailed write-up is enclosed for "Sigma Controls Basic".
- ✓ **DRIVE & FLEXIBILITY:** Belt driven machine with auto tensionor for flexibility in pressure
- ✓ **SIGMA PROFILE :**Unique sigma profile developed by **Kaeser** efficient, proven compared to symmetric/ asymmetric profiles
- ✓ **SPACE INSIDE THE UNIT:** More space is available from easy maintenance point of view.
- ✓ **OIL :**Synthetic Oil S-460 has a service life 6,000 hours of operation of compressor.
- ✓ **COOLING :**The air after cooler & oil cooler are of Aluminium fins .
- ✓ **LESS MOVING PART:** To reduce frequent break downs & down time. No NRV/ Check Valve at air end& no oil stop valve is required in **Kaeser** Compressors.
- ✓ **NOISE LEVEL :**The noise level is measured as per PN8NTC 2.3 at 1 meter distance in free field condition .
- ✓ **LOW AMBIENT DISCHARGE TEMPERATURE :**Compressed air discharge temperature is amb +10 deg C for air cooled .
- ✓ **LOW RUNNING SPEED OF AIR ENDS :** The air ends are running at low RPM resulting more life & less maintenance.
- ✓ **CONTROL CABINET:** Automatic star-delta starter with motor overload trip for protection for the motor ,with IP 54 enclosure protection.
- ✓ **OUTDOOR INSTALLATION :** Compressor is suitable for roofed outdoor installation
Availability of spares: if at all any spares are required these can be available in shortest Span of 1 or 2 days & are available for at least 15 years of operation of the Compressor.
- ✓ **OIL CARRY OVER :**Less than 2 ppm

III. SAFETY FEATURES OF AIR SCREW COMPRESSOR :

- ✓ IP- 55 motor protection .
- ✓ IP-54 Control cabinet
- ✓ Sound proof canopy
- ✓ Safety valve
- ✓ Sigma Control Basic details given above for any malfunctioning of compressor
- ✓ Tripping for overloading of the motor
- ✓ Oil level indicator for level maintenance
- ✓ Other safety features are given in “ Sigma Control 2”

IV. OPTIONAL FEATURES :We can provide the following options also

- 1) Auxiliary heating
- 2) Heat recovery system
- 3) Condensate drain
- 4) Air quality as per ISO 8573-1 class 1

V. SPARES FOR AIR SCREW COMPRESSOR :

For continuous operation of 7200 hours- one year (24 hours x 25 days x 12 months),the following spares are suggested by us under standard conditions

- 1) Air filter – 2nos,
- 2) Oil filter – 2 no
- 3) Air oil separator – 01 No

VI. TECHNICAL DESCRIPTION:

- | | |
|---|---|
| ✓ Soundproofing as standard | > low noise level |
| ✓ Powder-coated panels | > high surface quality finish |
| ✓ Airend with proprietary KAESER-SIGMA profile | > low power consumption, maximum efficiency |
| ✓ Multi-stage oil separator cartridge | > minimum oil carry-over of < 2 mg/m ³ of compressed air |
| ✓ External lubrication of bearings | > simple maintenance |
| ✓ Valveless oil circulation with thermostatic valve, bypass and micro oil filter | > operational reliability |
| ✓ Combined oil reservoir and oil separator with oil level sight glass, drain valve and hose | > quick oil change without external pressure requirement |

Features of Sigma Control Basic for KAESER Screw compressors: [Model ASK 28](#)

Sigma-Control- 2:-For KAESER Screw Compressors models

Sigma-Control BASIC is a computer controller developed for direct use in compressors working in tough industrial environments. It ensures economic operation by means of the optimized dual control mode.

Hardware:-

- ✓ Compact computerised controller > high capacity, ergonomic
- ✓ User interface with touch keys > simple, sure operation
- ✓ Back-lit, 4-line, plain text display > good readability
- ✓ LED main functions display > traffic-light indication
 - green : control volts ON
 - yellow : warning/servicing
 - red : alarm/shutdown
- ✓ Stabilised 24V DC power supply with > avoids problems with buffer battery power variations or failures
- ✓ Relay output (volt-free) > simple group alarm signalling.

Display of:

- ✓ Measured data: air main pressure, cut-out pressure, airend discharge temperature
- ✓ Status data : machine readiness condition, alarm registered, service due
- ✓ Operating hours: total time, time under load, service interval remaining
- ✓ Standard output signals : Group alarm > all alarms, including externals(digital output)

Standard monitoring possibilities:

- ✓ Direction of rotation
- ✓ Machine pressure
- ✓ Emergency stop button
- ✓ Airend discharge temperature
- ✓ Door interlocks
- ✓ Motor protection switch
- ✓ Refrigeration dryer

Ready for operation, stationary, soundproof
KAESER SCREW COMPRESSOR

Model ASK 28/ 7.5 bar(g)

(Belt Drive with auto tensioner)

- with Sigma-Control-2 -

with CE Mark and Certificate of Conformity within the
meaning of the EU Machinery Directive 98/37/EC, Annex II A

✓ Free air delivery at discharge pressure to ISO 1217: 1996 Annex C	2.86 m³/min (101 CFM)
✓ Compressor discharge pressure	7.5 bar(g)
✓ Rated power of main motor	15 kW
✓ Main Motor speed (Syn)	3000 min⁻¹
✓ Motor enclosure specification	IP 55
✓ Power supply/frequency	415 V 50 Hz
✓ Type of cooling	air
✓ Compressed air outlet temperature against ambient air temperature	AMB + 7 to 9 °C
✓ Compressed air connection	1 ¼" inch
✓ Oil capacity	12 litres
✓ Dimensions:(W x D x H)	800 x 1100 x 1530 mm
✓ Sound level to PN 8NTC 2.3 at 1 m distance, free field measurement	65 dB(A)
✓ Approximate mass	485 kg

OFFER FOR REFRIGERATED AIR DRYER

Technical Details: Air Dryer Model [TCH 36](#)

- ✓ Flow capacity in m3/min subjected to ref conditions as per ISO 7183 option A:- **3.5 m3/min(123 CFM)**
- ✓ Flow capacity in m3/min @ air inlet temp of 40 deg & ambient temp of 40 deg **2.86 m3/min(102 cfm)**
- ✓ Diff Pressure: 0.15 bar
- ✓ Max working pressure: 16 Bar
- ✓ Max operating temperature: 45 deg C
- ✓ Effective power consumption: **0.80 kw**
- ✓ Refrigerant: R 134 a
- ✓ Dew point: **+3 Deg C**
- ✓ Dimensions:
 - Height – 1186 mm
 - Width- 759 mm
 - Depth – 1125 mm
- ✓ Weight- 251 kg

OFFER FOR COMPRESSED AIR FILTER

Technical Details: Microfilter [F 26 KE](#)

(Flow capacity : 2.83 m3/min (100 cfm))

- ✓ Max operating pressure: 16 Bar
- ✓ Max operating temperature: 66 deg C
- ✓ **Separates oil droplets & solid particle size >0.01 micrometer**
- ✓ **Oil content < 0.01mg/m3**
- ✓ Dimension: 133*389*298 in mm
- ✓ Removal height for maintenance: 89 mm

OFFER FOR AIR RECEIVER

SR NO	DESCRIPTION
1.	<p>Vertical Air receiver</p> <p>Vertical air receiver of nominal size 1 m3 (1000 lit) suitable for the working pressure of 8 bar duly painted along with the standard accessories as pressure gauge, safety valve, siphon tube, Drain valve</p> <p>Material Of Construction: SA516 Gr 60 - 70 OR IS 2002 Gr II</p> <p>Code of Construction: ASME Section VIII Div I</p>

PRICE SCHEDULE

Our Ref : VPE/KAE/21/16

13.07.2021

Sr No	Model	Qty	Unit Price Ex Works – Pune
1	Kaeser make Air compressor model ASK 28 delivering 101 cfm @ working pressure of 8 bar	1	Rs.5,96,000/- (Rs. Five Lack Ninety Six thousand Only)
2	Kaeser make ref air dryer model TCH 36 suitable for above referred compressor	1	Rs.1,80,000/- (Rs. one Lack Eighty Thousand Only)
3	Vertical air receiver of 1 m3 (1000 lit) capacity	1	Rs.77,000/- (Rs. Seventy Seven Thousand Only)
4	Kaeser make Oil Removal air filter model F 26 KE	1	Rs. 36,000/- (Rs. Thirty Six Thousand Only)
	Total Amount		Rs. 8,83,000 {Eight Lack Eighty Three Thousand Only }
	Discounted Price		Rs. 6,21,000/- (Rs. Six Lac Twenty One Thousand Only)
	GST @ 18%	18%	1,11,780/-
	Transport		15,000/-
	Grand Total		7,47,780/-

COMMERCIAL TERMS AND CONDITIONS

Ref: VPE/KAE/21/16

13.07.2021

- ✓ **Prices** : The prices are in Rupees & are on Ex–Works Pune basis.
- ✓ **GST** : **As Applicable** at the time of dispatch Present rate is 18%
- ✓ **Packing and Forwarding** : **2 %**
- ✓ **Freight** : Freight charges from Pune to the delivery address shall be Extra to your account.
- ✓ **Transit Insurance** : Transit insurance shall be in your scope. Once the Consignment leaves our factory, we will inform you the despatch particulars so that you can arrange for the transit insurance
- ✓ **Purchase Order** : Please raise your purchase order on
KAESER COMPRESSORS INDIA PVT. LTD.
Block No.1, Plot No. 1 & 2, Survey No. 297,298,299,
Indo-German Technology Park, Vill.: Urawade, Tal.: Mulshi
Dist.: Pune – 412 115.
- ✓ **Payment Terms** : 30% advance along with order & balance against proforma invoice prior to dispatch.
- ✓ **Delivery** : Within 4-6 weeks of receipt of your technically and commercially clear purchase order with advance payment.
- ✓ **Validity** : This offer is valid for 30 days from the date of its issue & subject to confirmation thereafter.
- ✓ **Warranty of the Equipment** :- The equipment is provided with warranty against faulty / defective material / workmanship / manufacturing defects only for 18 months from the date of despatch or 12 months from the date of commissioning whichever is earlier. The rubber parts, consumable spares , oil etc are specifically excluded from the warranty. The warranty is invalidated if any modifications are carried out in the compressor without the consent of KAESER. It is Purchaser's responsibility to use the genuine parts of Kaeser & carry out the preventive maintenance as per the " Service Manual " provided with the compressor. The installation should be certified by Kaeser authorized representative & all the suggestion given by him should be implemented from time to time
- ✓ **Erection & Commissioning**: - The air compressor does not need any grouting / foundation. Normal industrial floor that is able to hold the weight of the compressor package is sufficient. Commissioning of the compressor shall be done free of charge. For commissioning the compressor, maximum 2 visits shall be made by our engineer.
- ✓ **Force Majeure** :- This clause is applicable.

For VIJAYPRAKASH ENTERPRISES

Pramod Patil

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