



# KARAN<sup>®</sup>

## AIR COMPRESSOR

A Manufacturing of Total Air Solution.



### Our Products Range

- ❖ Reciprocating Air Compressors
- ❖ Rotary Screw Air Compressors
- ❖ Booster Air Compressors
- ❖ Oil Free Air Compressors
- ❖ Dry Vacuum Pump
- ❖ Air Receiver Tank
- ❖ Refrigerated Air Dryer
- ❖ Replacement Spares

We offer a comprehensive range of products designed to deliver exceptional performance and efficiency. Our Air Compressors are perfect for small to large sized applications, providing robust and reliable air supply to support the longevity and optimal performance of your equipment.

## TWO STAGE HEAVY DUTY INDUSTRIAL COMPRESSOR



### TWO STAGE HEAVY DUTY INDUSTRIAL COMPRESSOR

MODEL	MOTOR (HP)	NO. OF CYLINDERS	PISTON DISPLACEMENT CFM	MAXIMUM PRESSOR		Air Receiver (Ltrs.)
				PSIG	KG/cm <sup>2</sup> g	
KC 734	3 HP	2	9.79	175	12.3	160
KC 742	5 HP	2	17.32	175	12.3	200
KC 753	7.5 HP	2	26.4	175	12.3	225
KC 7600	10 HP	2	33.5	175	12.3	300
KC 771T	10 HP	2	40	175	12.3	300
KC 771T	12.5 HP	2	49	175	12.3	300
KC 771T	15 HP	2	55	175	12.3	500
KC 715T	15 HP	3	63	175	12.3	500
KC 715T	20 HP	3	81	175	12.3	500
KC 725T	20 HP	3	85	175	12.3	500
KC 725T	25 HP	3	99	175	12.3	500

They feature a robust design and provide reliable, consistent air supply. These compressors are known for their durability and ease of maintenance, making them a cost-effective choice for various applications. Low pressure Air Compressors are commonly used in applications like Textile, Pharmaceutical, Ceramic, Furniture Production, CNC Woodworking, Embroidery, Automobile Engineering, Welding Automation, and Utensils Making etc.

High Pressure Air Compressors are generally used in Blow Molding, Pet Industry, Laser cutting, Blasting Industry and for Equipment Leak Testing etc.

## SCREW COMPRESSORS



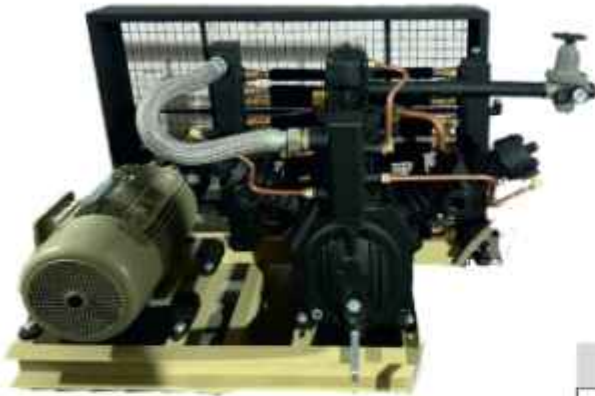
### Technical specification of Screw Air Compressor

MODEL	POWER (KW)	POWER (HP)	FREE AIR DELIVERY (CFM)			WEIGHT (KG)	AIR CONNECTION
			7 KG	10 KG	13 KG		
KCS-7.5	5.5	7.5	29	26	23	200	1/2"
KCS-10	7.5	10	45.92	33.55	30.37	300	3/4"
KCS-15	11	15	65	55	46	310	3/4"
KCS-20	15	20	91.8	77.7	56.85	350	1"
KCS-25	18.5	25	112	90	75	420	1"
KCS-30	22	30	134	113.02	98	550	1"
KCS-40	30	40	180	158.94	134.21	510	1 1/4"
KCS-50	37	50	240	198	173	950	1 1/4"
KCS-60	45	60	282	245	204.85	1110	1 1/4"
KCS-75	55	75	380	317.88	300	1750	1 1/2"
KCS-100	75	100	480.35	409.71	353	1820	1 1/2"
KCS-120	90	120	580	515.67	434	2100	2"
KCS-150	110	150	759.38	618	570	2800	2"
KCS-175	132	175	925	777.04	724	3000	2 1/2"
KCS-200	160	200	1013.68	868.87	759	3300	3"

For more demanding industrial applications, our Screw Compressors offer superior energy efficiency and continuous operation. These compressors are designed to handle high volumes of air with minimal energy consumption, making them an excellent choice for businesses looking to reduce operating costs while maintaining high performance.

Mainly used in Sandblasting, Grains, Textile Industry, Pharmaceuticals etc.

## BOOSTER COMPRESSORS



Our Booster Compressors are perfect for applications that require higher pressure. They are engineered to boost the pressure of pre-compressed air to meet the needs of specific industrial processes. These compressors are reliable, efficient, and built to withstand the rigors of demanding environments.

### BOOSTER COMPRESSOR

MODEL	MOTOR (HP)	NO. OF CYLINDERS	PISTON DISPLACEMENT CFM	MAXIMUM PRESSURE		Air Receiver (Itrs.)
				Inlet (Kg)	Outlet (Kg)	
KBC 10	10 HP	2	58	7	25	500 L
KBC 15	15 HP	3	100	7	35	500 L
KBC 20	20 HP	3	120	7	35	500 L
KBC 25	25 HP	3	160	7	35	500 L

## OIL-FREE COMPRESSORS



### OIL FREE COMPRESSOR

MODEL	MOTOR (HP)	PRESSURE P sig	PISTON DISPLACEMENT CFM	Air Receiver (Itrs.)
KOF 01	0.75 HP	8 kg	2.7	18 L
KOF 02	1 HP	8 kg	3.5	30 L
KOF 03	1.5 HP	8 kg	5.2	40 L
KOF 04	2 HP	8 kg	7	50 L
KOF 05	3 HP	8 kg	7.5	150 L
KOF 06	5 HP	10 kg	15	225 L/ 300 L
KOF 07	7.5 HP	10 kg	21	225 L/ 300 L
KOF 08	10 HP	10 kg	32	300 L/ 500 L
KOF 09	15 HP	10 kg	45	500 L
KOF 010	20 HP	10 kg	60	500 L
KOF 011	25 HP	10 kg	68	500 L

Our Oil-Free Compressors provide clean, contaminant-free air, which is essential for sensitive environments such as pharmaceutical, food processing, and electronics production. These compressors ensure that your operations remain free from oil contamination, safeguarding your products and processes.

Used in: Food Industry, Hospitals, Pharmaceuticals, Oxygen Plant, Biogas Plant etc.

## DRY VACUUM PUMPS



**SINGLE STAGE DRY VACUUM PUMPS**

MODEL	MOTOR (HP)	NO. OF CYLINDERS	PISTON DISPLACEMENT CFM	VACUUM(Hg) PRESSURE Inches
KC 735V	2	2	21.6	29
KC 744V	3	2	34.6	29
KC 755V	5	2	60	29
KC 77V	7.5	2	110	29
KC 715V	10	3	149.6	29.2

We offer Dry Vacuum Pumps that are versatile and efficient for a variety of industrial processes. These pumps are designed to provide consistent vacuum levels making them a clean and maintenance-friendly option for applications such as packaging, drying, and material handling.

Used in: Hospitals, Labs, Loading-Unloading of materials etc.

## AIR DRYERS



**Karan Air Dryer Technical Specification**

MODEL	Nominal Capacity		Max. Pressure		Electrical Connection		Air Connection	Refrigerant	Rated Power* in kW	
	CFM	m <sup>3</sup> /hr	bar(g)	Psi(g)	220/50 50hz	415/50 50hz			Air Cooled	Water Cooled
KAD-002	20	34	16	232	□	-	½" BSP(F)	R134a	0.21	-
KAD-004	40	68	16	232	□	-	½" BSP(F)	R134a	0.36	-
KAD-006	60	102	16	232	□	-	½" BSP(F)	R134a	0.45	-
KAD-008	80	136	16	232	□	-	1" BSP(F)	R134a	0.60	-
KAD-0010	100	170	16	232	□	-	1" BSP(F)	R134a	0.67	-
KAD-0012	125	170	16	232	□	-	1" BSP(F)	R134a	1.00	-
KAD-0015	150	255	16	232	□	-	½" BSP(F)	R134a	1.00	-
KAD-0020	200	340	16	232	□	-	2" BSP(F)	R134a	1.40	-
KAD-0025	250	425	16	232	□	-	2" BSP(F)	R134a	1.70	-
KAD-0030	300	510	16	232	□	-	2" BSP(F)	R134a	1.80	-
KAD-0040	400	680	16	232	□	-	2" BSP(F)	R22	2.40	1.80
KAD-0050	500	850	16	232	-	□	3" NPT ASME F1g	R22	2.70	2.30

Flow capacities in air suction of FAD 20°C (68°F), 1 bar (14.5 psi) at the operating conditions mentioned below

Rated power is the max power consumed at 45°C inlet & 45°C ambient temperatures.

Voltage range 180 to 240V for 3ø & 380-450V for 3ø

Air dryers are used to remove moisture from compressed air systems. To maintain the purity and quality of your compressed air, our Air Dryers are essential. They remove moisture from compressed air, preventing corrosion and damage to your equipment.

Our Air dryers ensure that your systems run smoothly and efficiently, extending the life of your machinery.

**REPLACEMENT PARTS**



To support the longevity and optimal performance of your equipment, we offer a wide selection of Replacement Parts. From filters to valves and everything in between, our replacement parts are manufactured to the highest standards, ensuring compatibility and durability. High grade materials are used in the manufacturing as per ISO standards.



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Welcome to Karan Air Compressor, where innovation meets reliability. We specialize in providing top-of-the-line air compressor solutions tailored to meet the diverse needs of various industries. Our commitment to excellence and customer satisfaction has positioned us as a leader in the market, both domestically and internationally.

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## ❖ Reach and after-sales service

We take pride in our extensive reach, having supplied our high-quality products to nearly every corner of India and exporting to numerous countries worldwide. Our success is built on not only our superior products but also our exceptional after-sales service. We ensure that our customers receive prompt, reliable support and maintenance, maximizing the efficiency and lifespan of their investments. Trust Karan Air Compressor for all your air compression needs, and experience the difference of unparalleled quality and service.

## Global Presence



## PAN-INDIA



## ❖ Our journey

Founded in 2010, we have undergone a significant growth and transformation. Beginning with a focused range of products, we expanded our product line up and integrated advanced technologies. By emphasizing quality and customer satisfaction, we earned Industry recognition and expanded our market presence both domestically and globally.

### Vision



To be the most preferred Brand in India.  
Global Vision: To put our brand on the Global Map by increasing the Sales Network around the World.

To help every customer to have a positive memorable experience.  
To Strive for customer satisfaction through Commitment, Integrity & Agility.

### Values



### Mission



To be open, honest and fair in whatever we do, we do it right

# KARAN<sup>®</sup>

AIR COMPRESSOR

Air Compressor | Air Dryer | Vacuum Pump

## APPLICATIONS

Plastic Industry



Textile Industry



Pharmaceuticals



Foundries



Water Treatment



Power Plant



Ceramic Industry



Grains



Steel Industries



## Karan Micro Industries

AN ISO 9001-2015 CERTIFIED COMPANY

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