



Technology Towards Excellence



Rotary Screw Air Compressors

KCB Series

7.5 kw to 160 kw

Optimized Controller



LCD Touch screen Display with Touch pad and Standard Key Pad, Microcontroller based, controlled by micro computer based, self detection and protection function such as control and regulation, service schedule, re alarm shutdown at long interval of unloading fault report etc.

Screw / Air End

The Most Advanced 5:6 profile of Air End/Screw Is applied, No Gear No Belt drive Low Speed Air End with More sufficient Air Production volume, increasing the efficiency by 15% compared with 4:6 profile, saving electricity consumption by 25% thus relising truly High Efficiency and energy conservation.



Electric Motor

Special Modified Electric Motor, Compressor package is driven by an industry standard TEFC (totally enclosed fan cooled) with IP 54 protection, squirrel cage motor, ensure highest quality standards for winding and insulation High Quality for continues and trouble free operation

Drive

Screw/Air End Is directly connected to Main with flexible coupling, lowest speed means Increases efficiency and durability with reduced compressed air cost.

Energy Saving Permanent Magnet Motor

Permanent magnet Frequency conversion screw air compressors Inherit advance design concept, We maximize paramagnet magnetic technology and relies energy saving up to 50% in extreme cases. PM motor react Much faster than normal Motor with fluctuating air delivery demand, ensuring Precise air delivery and best energy saving.



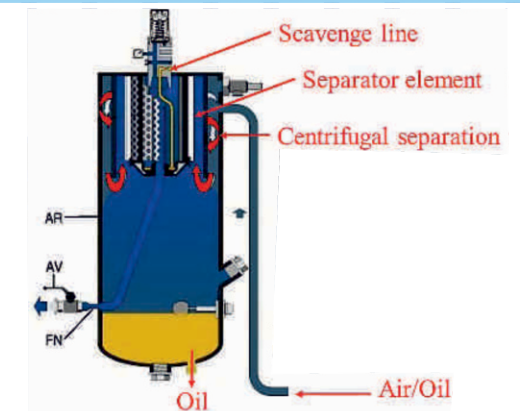
Air Intake Valve



Newly Designed and Improved Intake valve control system ensure economics control and protection of the screw. The control system systems has been redesigned to be simpler and more reliable, the air intake filter and eliminates dust and other harmful particles that may cause premature wearing of the machine, This On/Off type control system ensures low power consumption during the period of lesser air demand, At shut down, the built in check valve stays close to prevent back flow through the compressor.

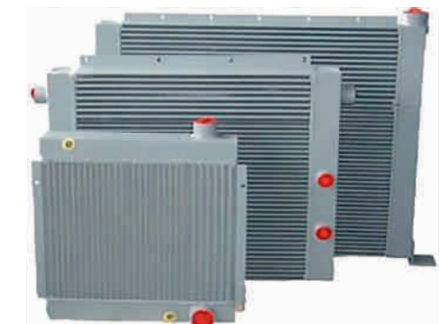
Air Oil separation system (< 1 ppm)

Three steps High efficient oil separation systems centrifugal Force, Gravity and oil Filtration, Compressed Mixture of Air and Oil from Screw Rotates in the separator Tank, oil is separated by centrifugal force, in next stage oil will flow down to the bottom by gravity, in last stage the cylindrical separator element to filter out remaining oil mist.



Combi cooler

High Ambient design of Oil Cooler and After Cooler is critical for performance of Screw Compressor in tropicalised environment Compressors package operates on comparatively lower temperatures as compared to other makes of compressor No continues duty of cooler fan depend on oil temperature Fan Motor will Start Stop and Save the Energy.



Other benefits

- Easy Maintenance
- Low Noise level-Improve Tone Quality
- No Rubber Hoses, chance of oil and Leakage is very Less.
- High efficiency Inlet And Out let systems for cooling
- Competitive spares/Maintenance Cost
- Local easy service.

Direct Drive Screw Air Compressor

Model	Motor KW Hp		Pressure In Bar	m3/min	Rated FAD cfm	Noise in db	Dimension in mm	weight In Kg	Outlet Connection
KCB7.5FS	7.5	10	7.5	1.31	46.3	60	890*630*920	240	G 3/4"
			8.5	1.12	39.6				
			10.5	0.95	33.5				
KCB11FS	11	15	7.5	1.9	67.1	61	940*705*1120	320	G 3/4"
			8.5	1.65	58.3				
			10.5	1.43	50.5				
KCB15FS	15	20	7.5	2.65	93.6	61.0	1250*800*1000	400	G 3/4"
			8.5	2.55	90.1				
			10.5	2.25	79.5				
KCB18FS	18	25	7.5	3.25	114.8	63.0	1450*850*1150	540	G 1"
			8.5	3.15	111.2				
			10.5	2.79	98.5				
KCB22FS	22	30	7.5	3.85	136.0	63.0	1450*850*1150	565	G 1"
			8.5	3.65	128.9				
			10.5	3.25	114.8				
KCB30FS	30	40	7.5	5.4	190.7	64.0	1450*850*1150	720	G 1"
			8.5	5.1	180.1				
			10.5	4.6	162.4				
KCB37FS	37	50	7.5	6.85	241.9	65.0	1650*1000*1370	775	G 1-1/2"
			8.5	6.25	220.7				
			10.5	5.65	199.5				
KCB45FS	45	60	7.5	8.1	286.0	67.0	1650*1000*1370	950	G 1-1/2"
			8.5	7.75	273.7				
			10.5	7.05	249.0				
KCB55FS	55	75	7.5	10.9	384.9	68.0	1750*1210*1500	1450	G 2"
			8.5	10.2	360.2				
			10.5	9.05	319.6				
KCB75FS	75	100	7.5	13.7	483.8	69.0	1900*1200*1500	1550	G 2"
			8.5	13.4	473.2				
			10.5	11.79	416.4				
KCB90FS	90	120	7.5	16.65	588.0	70.0	2340*1480*1820	2100	G 2"
			8.5	15.6	550.9				
			10.5	14.7	519.1				
KCB110FS	110	150	7.5	21.6	762.8	71.0	2470*1600*1975	2790	G 2-1/2"
			8.5	20.6	727.5				
			10.5	17.6	621.5				
KCB132FS	132	175	7.5	26.35	930.5	72.0	2470*1600*1975	3000	G 2-1/2"
			8.5	25.1	886.4				
			10.5	22.15	782.2				
KCB160FS	160	215	7.5	28.9	1,020.6	72.0	2700*1775*2175	3250	G 2-1/2"
			8.5	27.7	978.2				
			10.5	24.7	872.3				

Direct Driven screw air compressor with PM Motor VFD series

Model	Motor KW Hp		Pressure In Bar	m3/min	cfm	Noise in db	Dimension in mm	weight In Kg	Outlet Connection
KCB15PM	15.0	20.0	7	2.80	99	61	1040*800*1000	380	G3/4
			8	2.60	92				
			10	2.20	78				
KCB22PM	22.0	30.0	7	4.20	148	63	1100*850*1180	555	G1 1/4
			8	3.77	133				
			10	3.53	125				
KCB30PM	30.0	40.0	7	5.60	198	64	1100*850*1180	600	G1 1/4
			8	5.20	184				
			10	4.60	162				
KCB37PM	37.0	50.0	7	7.20	254	65	1300*950*1380	700	G1 1/2
			8	6.53	231				
			10	5.65	199				
KCB45PM	45.0	60.0	7	8.50	300	67	1300*950*1380	875	G1 1/2
			8	7.80	275				
			10	7.10	251				
KCB55PM	55.0	75.0	7	12.00	424	67	1750*1200*1500	1250	G2
			8	9.90	349				
			10	9.50	335				
KCB75PM	75.0	100.0	7	15.20	537	67	1780*1200*1500	1375	G2
			8	13.50	477				
			10	12.10	427				

Technical specification and descriptions may change without prior notice.

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