



Rotary Screw Air Compressors

KCW Series

7.5 kw to 160 kw

KCW Series Air Compressors

Reliability & Sustainability

1

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.

2

Heavy Duty Air Intake Filter

- Protects the Compressor Components by removing the dirty particles.
- Guarantees Longer Lifetime of Compressor Components

3

Centrifugal Fan (Blower)

- High Efficient, Quiet Fan Allows Compressor working in good performance.
- Ensure the is unit is cooled effectively.

4

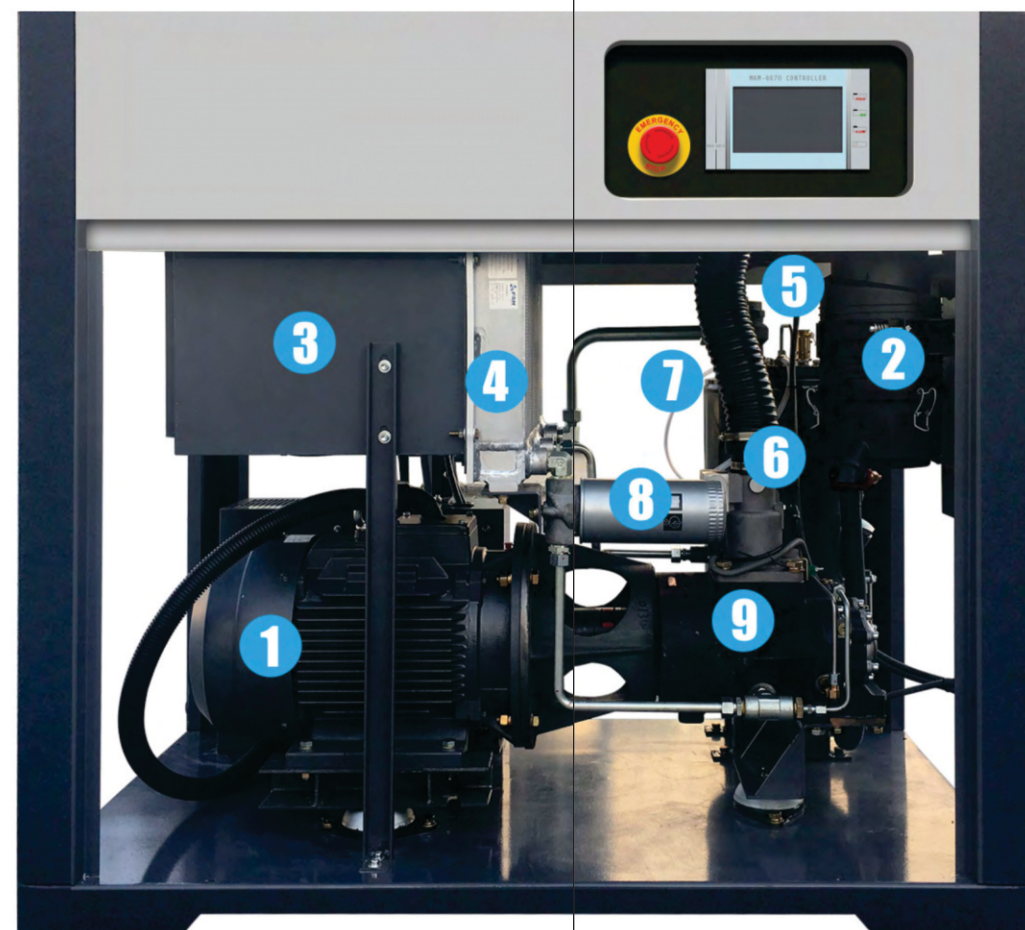
Separate Oil Cooler and After Cooler

- Low outlet temperature, ensuring long oil lifetime.
- Large surface to ensure low operating temperature.



Intelligent control System

- HD colorful touching screen controller.
- Monitoring features include warning indications, maintenance scheduling and machine's condition.



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5

Safety Relief Valve

- Maintenance System Pressure.
- Ensuring compressor to run in safe and efficient status.

6

Air Intake Valve

Air intake Valve regulates the amount of air sucked in the compressor. By opening and closing air intake, the capacity of compressor is regulated.

7

Oil Air Separate System

- Ensuring low pressure drop.
- Efficient separation, low oil content
- Well grounded for static electricity.

8

Oil Filter

- High Filtering efficiency.
- Oil Circuit protection.
- Long Lifetime and low maintenance cost.

9

High Efficiency Airend

- High output aimed with advance profile rotors.
- Equipped with premium quality bearing (such as SKF).



Direct Drive Screw Air Compressor

Model	Working pressure		Capacity(FAD)		Motor Power		Noise Level	Outlet	Weight	Dimension(mm)		
	Bar	Psi	Cfm	m ³ /min	Hp	Kw	dB	diameter	kg	L	W	H
KCW7.5FS	7	102	42	1.1	10	7.5	63	G 3/4 "	400	890	560	840
	8	116	39	1.1								
	10	145	35	1								
	12	175	28	0.8								
KCW11FS	7	102	68	1.9	15	11	64	G 3/4 "	420	1050	690	1080
	8	116	57	1.6								
	10	145	53	1.5								
	12	175	46	1.3								
KCW15FS	7	102	95	2.6	20	15	65	G 3/4 "	480	1050	690	1080
	8	116	85	2.4								
	10	145	74	2.1								
	12	175	64	1.8								
KCW18FS	7	102	118	3.3	25	18	65	G 1 "	550	1350	780	1250
	8	116	110	3.1								
	10	145	95	2.6								
	12	175	85	2.4								
KCW22FS	7	102	138	3.9	30	22	65	G 1 "	590	1350	780	1250
	8	116	124	3.5								
	10	145	110	3.1								
	12	175	95	2.7								
KCW30FS	7	102	195	5.5	40	30	67	G 1-1/2 "	850	1420	900	1425
	8	116	180	5.1								
	10	145	163	4.6								
	12	175	138	3.9								
KCW37FS	7	102	245	6.9	50	37	67	G 1-1/2 "	1000	1420	900	1425
	8	116	219	6.2								
	10	145	198	5.6								
	12	175	173	4.9								
KCW45FS	7	102	292	8.2	60	45	67	G 1-1/2 "	1050	1750	1100	1700
	8	116	265	7.5								
	10	145	247	7								
	12	175	212	6								
KCW55FS	7	102	380	10.7	75	55	73	G 2 "	1500	1750	1100	1700
	8	116	353	10								
	10	145	318	9								
	12	175	283	8								
KCW75FS	7	102	510	14.4	100	75	74	DN 50	1750	1750	1100	1700
	8	116	459	13								
	10	145	417	11.8								
	12	175	371	10.5								
KCW90FS	7	102	605	17.1	120	90	78	DN 50	2100	2150	1250	1670
	8	116	551	15.6								
	10	145	498	14.1								
	12	175	452	12.8								
KCW110FS	7	102	760	21.5	150	110	82	DN 80	3800	2600	1450	1800
	8	116	707	20								
	10	145	629	17.8								
	12	175	558	15.8								
KCW132FS	7	102	894	25.3	175	132	82	DN 80	3950	2600	1450	1800
	8	116	855	24.2								
	10	145	770	21.8								
	12	175	654	18.5								
KCW160FS	7	102	1014	28.7	200	160	82	DN 80	4130	3000	1900	1950
	8	116	975	27.6								
	10	145	905	25.6								
	12	175	760	21.5								

Technical specification for KCW PM is same as KCW FS

The difference between KCW FS & KCW PM

working pressure for KCW FS can be fluctuated in set range, FAD and motor speed can't be regulated.

working pressure for KCW PM is fixed, FAD and motor speed can be regulated according to air demand.

e.g.:FAD for KCW7.5PM is 0.8-1.1m³/min

* Variable frequency drive option available

Notes : Power supply: 415V/50Hz/3ph/3wire
Flow capacity: Value converted to inlet conditions
Air inlet conditions: 1 bar,20°C, 0%

Kelwin Compressor

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