

SHANGHAI ROTORCOMP COMPRESSOR

ONLY USE GERMAN ROTORCOMP AIREND FOR COMPRESSOR





CHECK OUT YOUR BENEFITS:

Advantages of our new EVO[®] technology

➢New ROLLING PROFILE[®] − ultimate efficiency with reduced noise

- ➢Long life cycle due to increased bearing dimensions and wear-free ROLLING PROFILE[®]
- ➢Wide operating pressure range from 5 to 15 barg
- High quality manufacturing and assembling "Made in Germany"
- Quality assurance bench test of every air end before leaving Germany factory
 Highest flexibility for your package design
- Suitable for all types of drive driving motors
- Drive options: Belt drive, direct drive, internal gear drive
- Base and face-flange mounting

presso



Ultimate efficiency and reduced noise through

- ➢ High volumetric output due to
 - Reduced internal leakage
- Thermally optimized oil injection system
- Improved suction port efficiency giving reduced internal losses
 Low power consumption due to
- Optimized torque characteristics and reduced internal friction
- Improved outlet port with lower pressure losses
- Reduced noise and low vibration due
- to
- Smooth rolling of the rotors with new ROLLING PROFILE[®]
- Optimized outlet port





compressor cor

Our advanced design



Advantages: Clearly divided into three sections: •Electric and drive section •Compressor section •Cooling section



Traditional design



Our advanced design



Cooling air flow

✓ A separate generously sized cooling air fan provides several times the minimum required volume for the motors.

✓ The motor is sited in the main cooling air intake flow, which means;.

the coolest air crosses the motor first,increased service life.



Traditional design

ww.rotorcompress



Our advanced design



✓ The ambient cooling air also cools the switch cabinet and the electrical components, which ensures:

- •Low component temperature
- Extended service life



Traditional design



Our advanced design



Heat management

The oil cooler and aftercooler are both located at the top of the system outlet, which means:

•Chimney effect during standstill (warm air rises!)

•No build-up of hot-spots during standstill

•Low cabinet temperature (components do not heat up during stand still)

•Low compressed air discharge temperature

thanks to amply sized aftercooler

•Problem-free cooling air exhaust –ducting easily connected at top of compressor

CHECK OUT YOUR BENEFITS: Advanced of our new belt tension system



Traditional design



Adjust belt tension by four or two screw
Bolt, this should be:
Difficult to adjust belt tension
Difficult to align the two pulley: reduce the belts life

Our advanced design



Advantages:

Adjust belt tension by one bolt: •Easily to adjust belt tension •The pulley maintain alignment: long belt life

CHECK OUT YOUR BENEFITS:

Advanced design of our new cooling system supports

Traditional design



Cooler ,fan holder, fan guard, fan and fan Motor's weight take by cooler, this should

be:

•Leakage of cooler

•Difficult to do maintain job to cooler and Cooling fan. **Our advanced design**



ROTORCOMP

VERDICHTER

Quality.Our DNA

Advantages:

•Cooler on the fan holder-no weight take by cooler

•Fan, fan guard, fan motor's weight take by fan holder

•Friendly to do maintain job to cooler and cooling fan

ww.rotorcompressor.co



Traditional design

Our advantage design

3OGE S 50-2 screw compressor air cooled		
echnical Data:		
Effective free air delivery of complete unit-		
measured according to ISO 1217 Part C		m³/min₊
at maximum pressure		bar⊬
Rated power of drive motor		k₩⊷
Rated capacity of fan motor		k₩⊬
Protection type / motor insulation class	IP 55 / F	4
Operating-/control voltage	400 V AC / 24 V DC	له
Compressed air discharge above ambient temperature	12	K.

Madal	Free	Air De	livery(m	Motor Power(kw)			
woder	8bar	10bar	13bar	15bar	Main Motor	Fan Motor	
SL-7.5	0.87	0.75	0.61	0.53	5.5	0.09	
SL-10	1.20	1.04	0.90	0.80	7.5	0.09	
SL-15	1.79	1.58	1.32	1.17	11	0.13	
SL-20	2.40	2.15	1.84	1.66	15	0.16	
SL-25	3.00	2.90	2.52	2.02	18.5	0.55	
SL-30	3.51	3.16	2.71	2.45	22	0.55	
SL-40	4.88	4.32	3.64	3.25	30	0.75	
SL-50	5.83	5.21	4.44	4.01	37	0.75	

Small size cooler:

Higher cooling fan motor power
Frequency clean the cooler
Higher discharge air temperature

**If without oil temperature control valve, the fan motor will frequency start/stop Bigger size cooler

- Lower cooling fan motor power
- •Save energy
- •Clean the cooler one time per year
- •Lower discharge air temperature, it good to treatment system

CHECK OUT YOUR BENEFITS: Advanced design of our cooling fan motor



Traditional design



IP class : IP44 Without self cooled function Without service factor Non-standard fan motor Our advanced design



Advantages:

We use TEFC motor for cooling fan motor:

- •Safe: IP55,SF=1.2
- •Reliable :higher quality and long life bearings
- longer life: self cooled by fan of fan motor

ww.iotorcompressor.co

CHECK OUT YOUR BENEFITS: Advanced design of our oil separator tank



Traditional design

DESIGN PRESSUER	MPa	DESIGN TEMPERATUER	20
CONTAINER VOLUME	L	MEDIUM	COMPRESSED AR.O
LICENSE NO.	TS2237431-2019	CONTAINER NO.	JO1 Y-
MANUFACTURING DATE		RECOMMEND THE USE OF LIFE	8 YEAR

Simple pressure vessel design:

w.rotprcompressor

• Service life: 6~8years

Our advanced design



Strictly according to the standard of pressure vessel manufacturing •Service life: more than 15 years •Stable and reliable

CHECK OUT YOUR BENEFITS: Advanced design of our new switch cabinet



Traditional design



Fuse for control line
Low quality transformer
Without protect plate
Low quality terminal

Our advanced design



Advantages:

- •No fuse for control line: Stable and reliable
- Protection for exposed terminals: safety
- •High quality transformer: CE; Stable and reliable
- •High quality terminals: CE; Stable and reliable

CHECK OUT YOUR BENEFITS: Special High-efficient IP55 protection motor



	TH	REE H	HASE INDU	UCTION MOD	TORCE
TYPE	2-1801	2-2	37 kW	NO. DESET	
VOLT	380	V	EEF. 997 %	EO HZ	A A A
AMP	67	A	P.F. 0.9	INS. =	OUTO VIOWI
San	540	r/min	ENCL. IP 55	CONN.	1111
EEI			DUTY. S1	S.F.17	Winner
BRGS.P.E	. 5311	1	O.P.E. 6311	WGT 240kg	0.000
Lp	81	dB(A)	DATE 2017.0	6	Ant A. Lau
O Heb	ei Xi	angli l	Motor Manuf	acturing Co	Ltd 💽

High-efficient motor

•Reach European IE-3 standard & Australian MEPS standard

- •IP 55 protection standard in SF1.2
- •Stable and reliable

rotorcompressor.co



Smart controller

The SMART CONTROL ensures efficient control and system monitoring.





MAM880 controller can block operate with MAM series compressor (with communication function).16 pcs compressors are allowed in the net at most. The cable connection for block mode control is as below....





The models of upgraded design compressor

Model8bar		Capacity(m3/min)*				Power(kw)		Noise	Dimension	Weight
	8bar	10bar	13bar	15bar	Motor	Motor(Fan)	iii/outiet	dB(A)**	L×W×H in mm	kg
LGFD-5.5	0.87	0.75	0.61	0.53	5.5	0.09	G1	69	900×750×900	245
LGFD-7.5	1.2	1.04	0.9	0.8	7.5	0.09	G1	69	900×750×900	250
LGFD-11	1.79	1.58	1.32	1.17	11	0.18	G1	70	950×800×1290	370
LGFD-15	2.4	2.15	1.84	1.66	15	0.18	G1	70	950×800×1290	480
LGFD-18.5	3	2.9	2.52	2.02	18.5	0.37	G1	71	1250×960×1300	730
LGFD-22	3.51	3.16	2.71	2.45	22	0.37	G1	71	1250×960×1300	750
LGFD-30	4.88	4.42	3.64	3.25	30	0.75	G1-1/4	71	1440×1006×1296	1200
LGFD-37	5.83	5.41	4.44	4.01	37	0.75	G1-1/4	73	1440×1006×1296	1350
LGFD-45	7.08	6.5	5.43	4.94	45	1.1	G1-1/4	75	1440×1006×1296	1400
LGFD-55	9.32	8.33	7.05	6.31	55	1.1	G2	75	1600×1200×1650	1600
LGFD-75	12.31	11.13	9.61	8.74	75	1.1	G2	75	1600×1200×1650	1750
LGFD-90	16.45	14.26	11.72	10.8	90	2.2	G2	75	2000×1580×1790	2600
LGFD-110	20.26	17.48	14.25	13.05	110	2.2	G2	78	2500×1700×1900	3000
LGFD-132	23.08	20.54	17.65	16.05	132	2.2	G2	78	2500×1700×1900	3150

Thank you

w rotor compressor com