



GROZ

tools to trust



Reciprocating Air Compressors

A selection of air compressors designed & manufactured to the highest quality standards using the best raw materials & components. Proven quality, robust design & durable performance makes these the ideal choice for everyday use



- | | |
|----|--|
| 1 | INTERCOOLER |
| 2 | CYLINDER BLOCK - STURDY, WEAR RESISTANT CAST IRON CONSTRUCTION |
| 3 | OIL SUMP |
| 4 | SAFETY VALVE |
| 5 | DRAIN VALVE - FOR EMPTYING THE CONDENSATE COLLECTED IN THE TANK |
| 6 | AIR RECEIVER TANK - WITH BITUMEN LINING FOR INCREASED RESISTANCE TO RUST |
| 7 | OUTLET PORT |
| 8 | BASE PLATE - BOLTED DESIGN FOR ENHANCED RIGIDITY & RESISTANCE TO RUST |
| 9 | PRESSURE GAUGE |
| 10 | IN-BUILT STARTER WITH PRESSURE SWITCH |
| 11 | MOTOR: DESIGNED TO MEET STRINGENT EURO NORMS |
| 12 | AIR FILTER - EASILY WASHABLE, SPONGE TYPE FILTER |
| 13 | PROTECTIVE CAGE - ENHANCED SAFETY |
| 14 | BELT DRIVE |
| 15 | ALUMINIUM HEAD |

Reciprocating Air Compressors (continued)

Dual Material Construction

World's only compressor with a unique dual material construction

- i) The cylinder block is made up of cast iron that prevents wear & tear, thus imparting longevity to the unit
- ii) Crankcase & cylinder head are made from aluminium – Compact design and choice of aluminium as a raw material helps in efficient cooling of the unit. Aluminium crankcase keeps the oil in the sump cooler, thus enhancing the performance of the unit

Efficient Ventilation

Larger flywheel keeps air directed towards the cylinder for faster heat dissipation & efficient ventilation

High pressure cylinder with higher temperature is positioned closer to the flywheel which also helps in faster cooling of the unit

Output tubing designed to pass from the front of the flywheel, further reducing the temperature of the air in the tank

In-Line Design

Compact & superior to “V” type construction: air flow in the in-line design is directed towards both the cylinders uniformly keeping maximum temperature within check as compared to the “V” type construction where air flow is directed towards one side of the “V” at any given time

Motor

Class “F” insulation, motor is designed as per EURO norms

Air Filter

Easy to maintain & replaceable sponge type air filter is easily washable

Built in Starter

Protects the unit from sudden voltage fluctuations & enables usage with varying voltages

Intercooler*

Reduces the temperature of compressed air which improves efficiency by reducing power consumption.

Bolted Design Base Plate

Makes it convenient to assemble or disassemble the compressor unit from the tank. Bolted design also eliminates possibility of rust as compared to a welded design

Safety Valves

In-built safety valves for safety against pressure build ups

Oil Sight Glass

For controlling the oil level

Drain Valve

For emptying the condensate collected in the tank

Caged Belt and Pulley Assembly

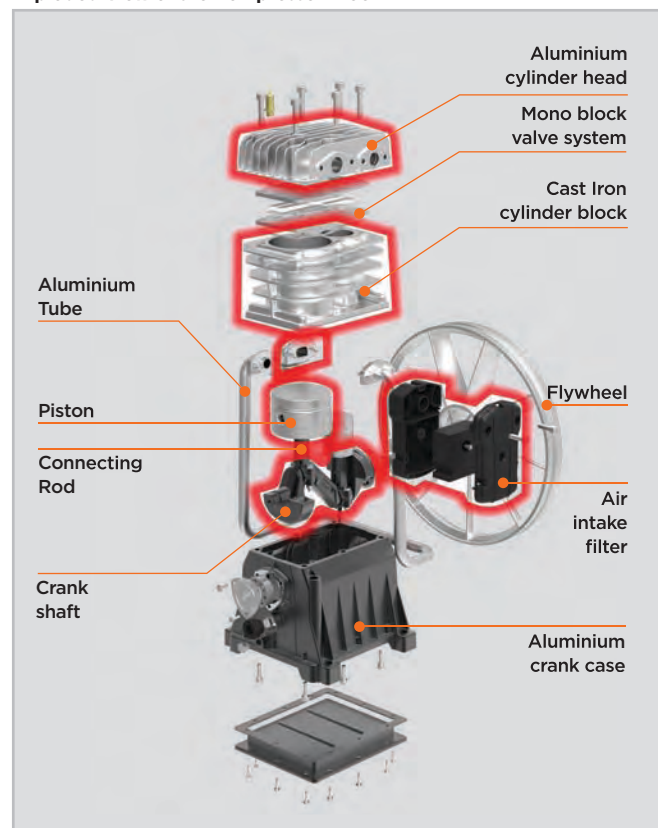
for enhanced safety in operation

* Only in multiple stage version



RAC/7.5-22/270

Exploded View of the Compressor Block





RAC/5.5-22/200



RAC/3-21/150

SPECIFICATIONS

	RAC/3-21/150	RAC/3-21/150-1	RAC/3-21/200	RAC/5.5-22/200	RAC/7.5-22/270
MOTOR RATING	2.2 KW, 3 HP	2.2 KW, 3 HP	2.2KW, 3HP	4 KW, 5.5 HP	5.5 KW, 7.5 HP
CYLINDERS	2	2	2	2	2
STAGES	1	1	1	2	2
AIR RECEIVER CAPACITY	150 litres	150 litres	200 litres	200 litres	270 litres
AIR DISPLACEMENT	350 LPM / 12.4 CFM	350 LPM / 12.4 CFM	350 LPM / 12.4 CFM	550 LPM / 19.5 CFM	830 LPM / 29 CFM
FAD (FREE DELIVERY)	190 LPM / 6.7 CFM	190 LPM / 6.7 CFM	190 LPM / 6.7 CFM	440 LPM / 15.53 CFM	620 LPM / 22 CFM
MAX. PRESSURE	145 PSI / 10 BAR	145 PSI / 10 BAR	145 PSI / 10 BAR	145 PSI / 10 BAR	145 PSI / 10 BAR
NOISE LEVEL	74±3 db (A)	74±3 db (A)	74±3 db (A)	75±3 db (A)	76±3 db (A)
DIMENSIONS	WIDTH	1360 mm	1360 mm	1460 mm	1600 mm
	DEPTH	460 mm	460 mm	460 mm	500 mm
	HEIGHT	990 mm	990 mm	990 mm	1000 mm
WEIGHT	115 kg	115 kg		158 kg	192 kg
CLASS OF INSULATION	F	F	F	F	F
ELECTRIC SUPPLY	400 V, 3 Phase, 50 Hz.	230 V, Single Phase	400 V, 3 Phase, 50 Hz.	400 V, 3 Phase, 50 Hz.	400 V, 3 Phase, 50 Hz.

2HP DIRECT DRIVE AIR COMPRESSORS



TECHNICAL SPECIFICATION

MOTOR RATING	1.5 KW, 2HP	
CYLINDER	1	
STAGE	1	
AIR RECEIVER CAPACITY	24 litres	
RPM	2850	
FAD (FREE DELIVERY)	170 LPM / 6 CFM	
MAX. PRESSURE	116 PSI / 8 BAR	
NOISE LEVEL	80 db	
DIMENSIONS	WIDTH	610 mm
	DEPTH	310 mm
	HEIGHT	580 mm
WEIGHT	24 kg	
ELECTRIC SUPPLY	230 v, 1 PHASE, 50 Hz.	