

Compressed air solutions for all sustainable air needs



Oil-Free Series Screw
90 - 450 kW / 480 - 2515 cfm



EG Series Rotary Screw
11 - 250 kW / 47 - 1612 cfm



EN Series Rotary Screw
2.2 - 75 kW / 8.0 - 469 cfm



Electric Portable (Trolley)
22 - 75 kW / 131 - 490 cfm



Diesel portable (Trolley)
185 - 1100 cfm / 100 - 300 psi



Diesel Portable (Skid)
475 - 1500 cfm / 150 - 400 psi



Oil-free Recip
1.0 - 75 HP / 1.8 - 300 cfm



Oil-lubricated Recip
1.0 - 40 HP / 2.0 - 128 cfm

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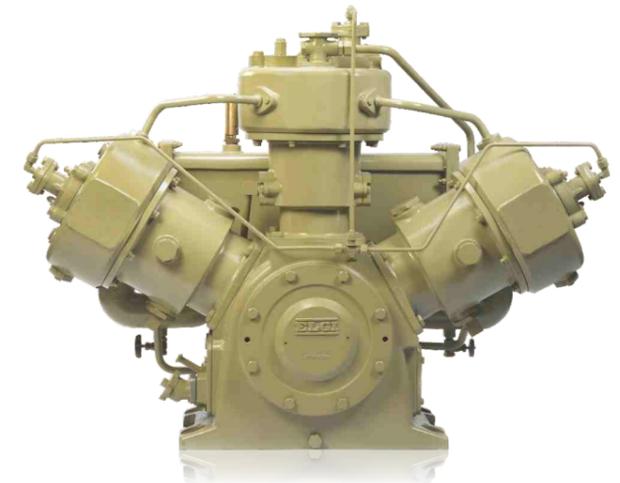
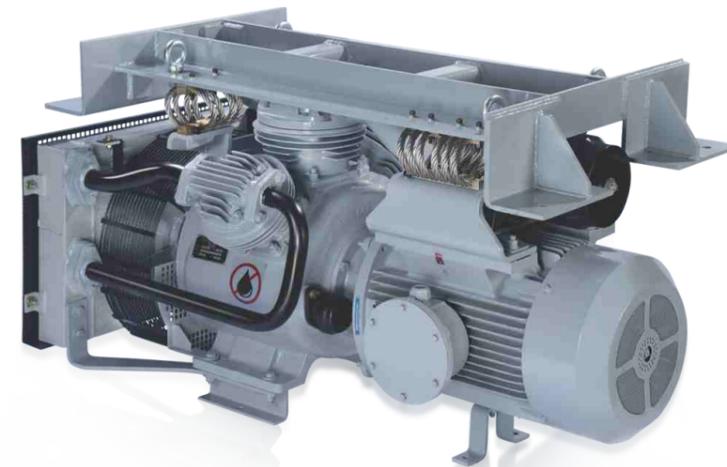


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RAILWAY COMPRESSORS

On the tracks of Reliability & Trust



www.elgi.com

1 - 100 HP | 1.9 - 218 CFM

Products for **Electric Locomotive**



TRC 1000 MN-UG

Features

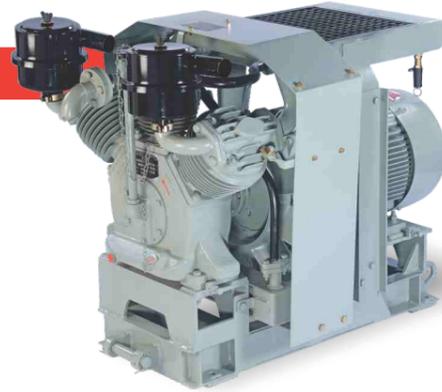
W type configuration, three cylinder, two-stage, oil-splash lubricated, air-cooled and direct coupled.

Technical Specification

Free Air Delivery	: 1000 lpm (35.31 cfm)
Working Pressure	: 10.5 Kg/cm ²
Overall Dimension (L x B x H)	: 1120 x 770 x 925 mm
Weight	: 450 Kg (approx.)

Key features

- Upgraded version of TRC1000MN
- Robust in design with enhanced performance and less maintenance
- These compressors are used in conventional loco model WAP4, WAG5 and WAG7 locomotives manufactured by Chittaranjan Locomotives Works, Chittaranjan & BHEL, Jhansi
- Unique 'Disc Type Coupling' arrangement which requires very less attention and can take larger misalignment
- Efficient air filtration system ensures higher compressor efficiency and low noise level



RR 20100 CG (M)

Features

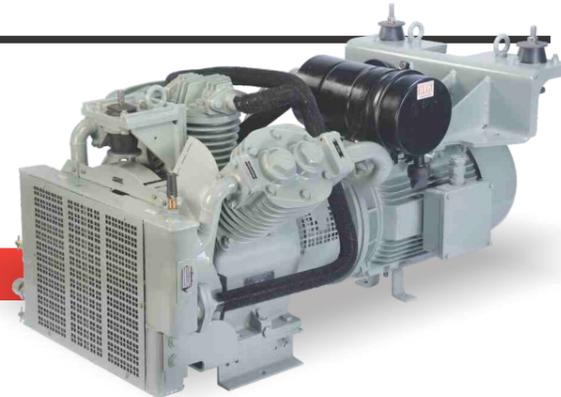
W type configuration, three cylinder, two-stage, oil splash lubricated, air-cooled, direct coupled and underslung mounting. onboard variants available

Technical Specification

Free Air Delivery	: 1750 lpm (61.80 cfm)
Working Pressure	: 10.2 Kg/cm ²
Overall Dimension (L x B x H)	: 1450 x 871x 768 mm
Weight	: 675 Kg (Approx.)

Key features

- These compressors are meant for new generation 3 - phase locomotives model WAG9 and WAP5, WAP7 manufactured by Chittaranjan Locomotives Works, Chittaranjan
- Unique underslung mounting design for locomotives
- Customer friendly, adopted flange type joints and easy access suction filters
- Improved design to meet railway reliability maintenance cycle
- Meeting additional air requirement of air spring suspension system introduced in high speed trains Duranto & Rajdhani



RR201100CC

Features

Oil Free, W type configuration, three cylinder, two-stage, air-cooled and direct coupled.

Technical Specification

Free Air Delivery	: 1000 lpm (42.38 cfm)
Working Pressure	: 10.5 Kg/cm ²
Overall Dimension (L x B x H)	: 1170 x 715 x 820 mm
Weight	: 450 Kg (Approx.)



Key features

- 100% oil-free reciprocating compressor
- Can be used in the place of existing lubricated compressor model TRC1000MN
- PTFE coated & PTFE piston rings to ensure longer wear life.
- Environment friendly
- Enhances life for accessories like air dryer, pneumatic equipment etc
- Easy to maintain
- Lower maintenance expenditure
- Unique suction through crankcase design for enhanced life of main bearings
- Reduces noise level

RR 20100 OF (M)

Features

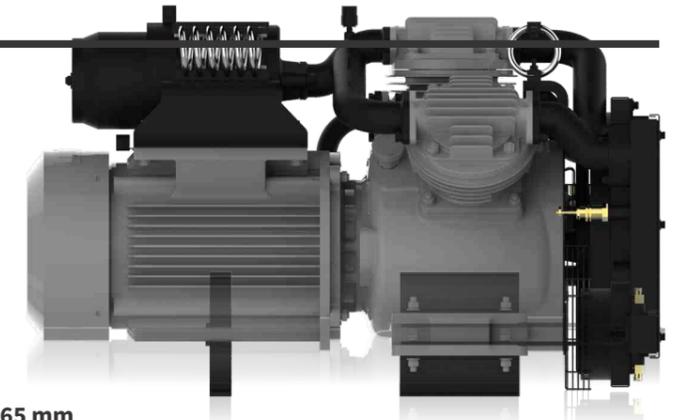
Oil free, W type configuration, three cylinder, two-stage, air-cooled, direct coupled, underslung & onboard variants available

Technical Specification

Free Air Delivery	: 1750 lpm (61.80 cfm)
Working Pressure	: 10.5 Kg/cm ² min
Overall Dimension (L x B x H)	: OF(M) usl :1290 x 695 x 765 mm OF(M) db :1170 x 695 x 798 mm
Weight	: 520 Kg (Approx.)

Key features

- 100% oil free reciprocating air compressor
- PTFE coated & PTFE piston rings to ensure longer wear life
- No lubrication required for pistons and cylinders
- Efficient cooling ensure temperature rise 20°C above ambient
- Reduce overall maintenance cost and environmental friendly air compressor



Products for Diesel Locomotive



RR66101 W

Features

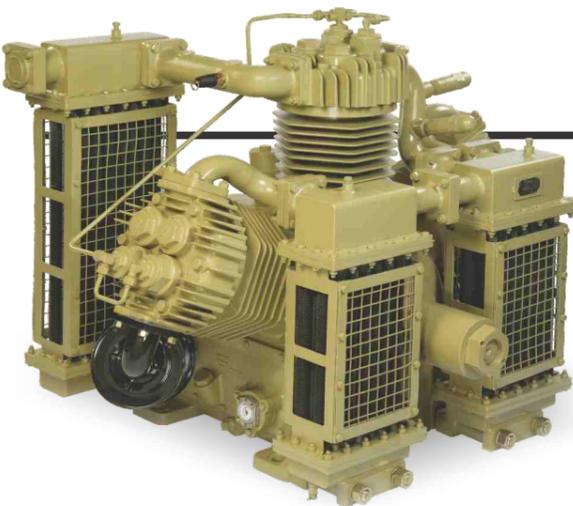
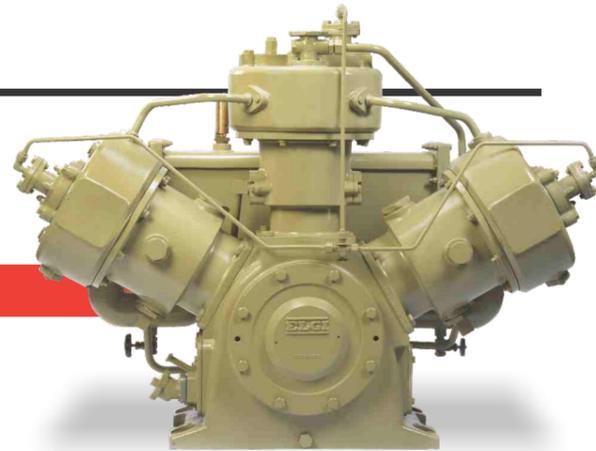
W-type configuration, three cylinder, two-stage, forced lubrication, water-cooled and direct coupled.

Technical Specification

Free Air Delivery	: 5663 lpm (200 cfm)
Working Pressure	: 10 Kg/cm ²
Overall Dimension (L x B x H)	: 1368 x 662 x 1060 mm
Weight	: 710 Kg (Approx.)

Key features

- First 'Water Cooled' design compressor for Indian Railways
- Meets air requirement of GM locomotives WDP4 and WDG4 built by Diesel Locomotives Works, Varanasi.
- Improved crankshaft design for better impact resistance and strength
- Convenient float type 'oil level indicator' and dip stick arrangement
- High sump capacity ensures improved ergonomics & maintenance schedule
- Effective heat transfer through 'Shell & Tube' cooling arrangement
- Less vibration



RR 80101

Features

W-type configuration, three cylinder, two-stage, forced lubrication, air-cooled and direct coupled.

Technical Specification

Free Air Delivery	: 5663 lpm (200 cfm)
Working Pressure	: 10 Kg/cm ²
Overall Dimension (L x B x H)	: 1315 x 1374 x 1015 mm
Weight	: 750 Kg (Approx.)

Key features

- Upgraded version of LG3 CDB for higher reliability and low life cycle cost
- Designed to meet the latest maintenance schedule requirement of Indian Railways of M24
- Introduced Hexagonal deep dense finned cylinders for better heat dissipation
- Compact breather
- Positive locking arrangement for counter weight in crankshaft

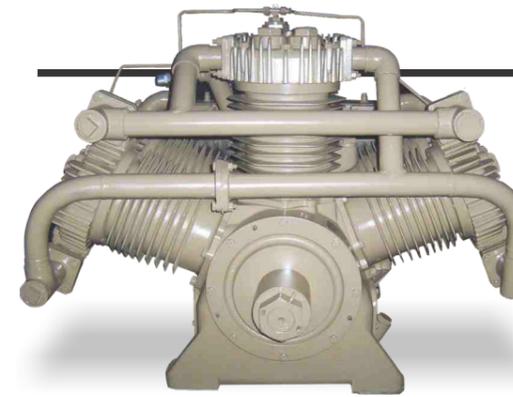
RR 100101 EC (Expressor)

Features

W-type configuration, three exhauster cylinders - single stage, three compressor cylinders - two stage, forced feed oil lubricated, air-cooled and direct coupled

Technical Specification

Free Air Delivery	: 6173 lpm (218 cfm)
Working Pressure	: 10 Kg/cm ²
Vacuum Displacement	: 13.045 m ³ /min
Vacuum	: 23" Hg
Overall Dimension (L x B x H)	: 1207 x 1374 x 1010 mm
Weight	: 1135 Kg (Approx.)



Key features

- Upgraded version of 6CD 3UC for higher reliability and low life cycle cost
- Latest design for enhance performance parameter
- Less maintenance cost
- Aerodynamically designed Fan guard for higher air flow
- Special design 'Split-type' inter cooler for better heat dissipation and easy serviceability

TRC 1000 B

Features

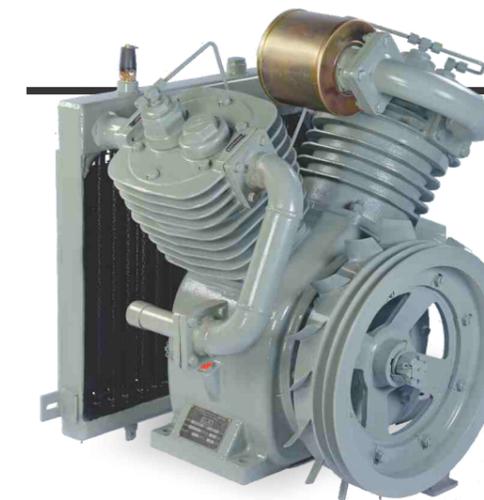
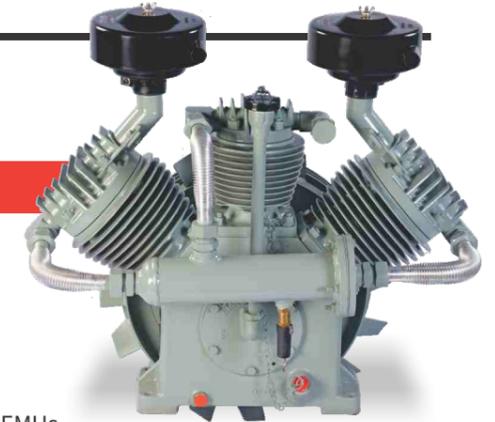
W-type configuration, three cylinder, two-stage, splash lubrication, air-cooled, V-belt drive

Technical Specification

Free Air Delivery	: 1000 lpm (35.3 cfm)
Working Pressure	: 8 Kg/cm ²
Overall Dimension (L x B x H)	: 785 x 520 x 810 mm
Weight	: 125 Kg (Approx.)

Key features

- This compressor is specially developed for Shunting Locomotives WDS6 & DEMUs
- Special design 'Oil Bath' air suction filters, which provides dust free suction air
- Suited for either direction of rotation i.e. clockwise or anticlockwise
- Flexible V- belt drive system on locomotives



TRC 2507

Features

V-type configuration, two cylinder two-stage, splash lubrication, air-cooled and V-belt drive

Technical Specification

Free Air Delivery	: 2600 lpm (91.82 cfm)
Working Pressure	: 7 Kg/cm ²
Overall Dimension (L x B x H)	: 820 x 670 x 855 mm
Weight	: 290 Kg (Approx.)

Key features

- This compressor is used in Diesel Electric Multiple Unit (DEMU)
- Suited for either direction of rotation i.e. clockwise or anticlockwise
- Dynamically balanced, less vibration
- Highly volumetric efficiency



Products for Electric Multiple Unit



RR 15070

Features

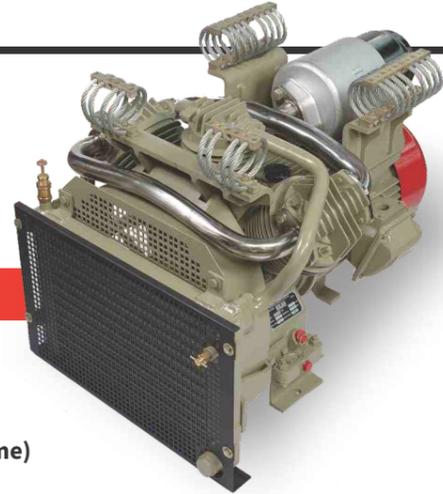
W-type configuration, three cylinder, two-stage, oil splash lubricated, air-cooled and underslung mounting

Technical Specification

Free Air Delivery : 1200 lpm (42.37 cfm)
Working Pressure : 7 Kg/cm²
Overall Dimension (LxBxH) : 1470 x 710 x 690mm
Weight : 340 Kg (Approx - with mounting frame)

Key features

- This is the first 'W' shape design air compressor developed for EMU's and MEMU's
- Higher output for air spring suspensions and automatic doors
- Under slung mounting design along with wire rope isolators
- Introduced latest innovative design of 'Hollow rotor shaft' for motor, which eliminates conventional coupling
- Less weight and compact design



TRC 1000 DCM

Features

Inline configuration, three cylinder, two-stage, forced lubrication, air-cooled and direct coupled

Technical Specification

Free Air Delivery : 1100 lpm (38.84 cfm)
Working Pressure : 7 Kg/cm²
Overall Dimension (L x B x H) : 1245 x 590x 540 mm
Weight : 405 Kg (Approx.)

Key features

- Compact and robust in design
- Positive lubrication through 'Oil Pump'
- Provided with magnetic drain plugs to attract iron particles in the lubricating oil to provide purified lube oil



Products for Electric Multiple Unit / Metro

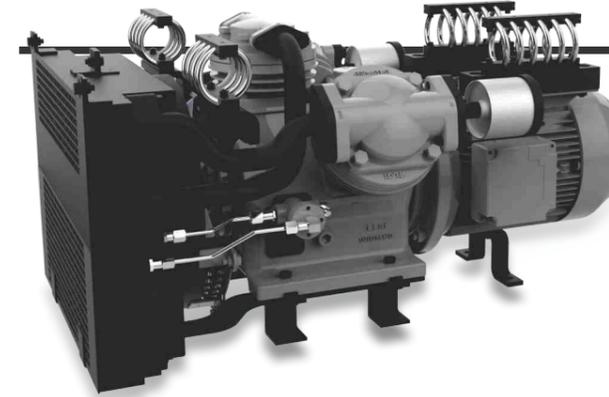
RR 10100 OF

Features

Oil free, W type configuration, three cylinder, two-stage, air-cooled, direct coupled and underslung.

Technical Specification

Free Air Delivery : 920 lpm (32.4 cfm)
Max. Working Pressure : 10.5 Kg/cm²
Overall Dimension (L x B x H) : 1365 x 730 x 765 mm
Weight : 520 Kg (Approx.)



Key features

- 100% oil free reciprocating air compressor
- PTFE coated & PTFE piston rings to ensure longer wear life
- No lubrication required for pistons and cylinders
- Efficient cooling ensure temperature rise 20°C above ambient
- Reduce overall maintenance cost and environmental friendly air compressor

CRC 150

Features

Mono-block vertical configuration, single cylinder, single-stage, oil splash lubricated and air-cooled.

Technical Specification

Free Air Delivery : 100 lpm (3.52 cfm)
Working Pressure : 8 Kg/cm²
Overall Dimension (L x B x H) : 450 x 235 x 440 mm
Weight : 55.5 Kg (Approx.)

Key features

- Small footprint
- Easy to mount on locomotives and EMUs
- Lifts the pantograph efficiently
- Operates at 110V DC power supply



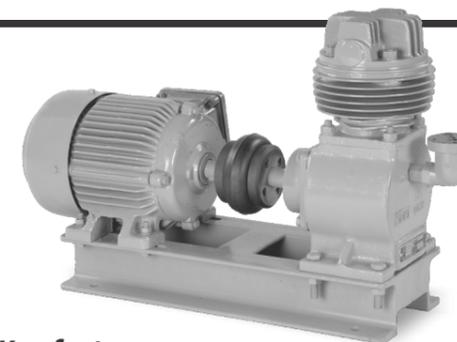
WRA-AC / DC (Water Raising Apparatus)

Features

Mono-block vertical configuration, single cylinder, single-stage, oil splash lubricated, air-cooled and direct coupled

Technical Specification

Free Air Delivery(@1200 rpm) : 55 lpm (1.94 cfm)
Working Pressure : 1.75 Kg/cm²
Overall Dimension (L x B x H) : 640 x 285 x 410 mm
Electric Supply : 415 V, 3 Phase, 50 Hz
Weight : 45.5Kg (Approx.)



Key features

- Highly reliable for raising water in coaches
- Light in weight and compact

