

# DIESEL / ELECTRIC PORTABLE SCREW COMPRESSOR

Setting a new standard in portable compressor



180-1200 CFM | 7-25 kg/cm2(g)



Sand Blasting

DTH Drilling

Marble Mining

Jack Hammer

Tunneling

Uninterrupted reliable compressed air supply is crucial for construction, mining industry for various applications. compressors must meet critical requirements such as highspeed, reliability and optimum fuel consumption during drilling operations. Kirloskar's KRAMIS portable air compressors are designed to meet these challenges and are utilised in diverse applications, including DTH drilling, oil and gas exploration, blast hole drilling, Marble mining, tunnelling, pigging, sandblasting, quarrying, piling, laying of fibre cables, road, and bridge construction.

## Why Portable Electric Screw Compressor?

For environmentally conscious customers who prefer quiet and emission-free working conditions

Can operate in challenging scenarios where there's access to electricity

Runs smoothly, quietly and produce no toxic exhaust or byproducts

Continuous duty operation, without any need to stop and refuel

High maneuverability due to compact design

Reduced maintenance compare to diesel engine driven compressors

More silent operations

## Electric Screw Portable Compressor

### Canopy

Acoustic designed for most silent operation

Towing bar with parking brakes

### AirEnd

Indigenously designed, High Efficiency 4/5 rotor lobe configuration

Flexible Coupling to minimise transmission losses

### Motor

3 Ph, TEFC Squirrel cage induction motor

### Control Panel

Microprocessor based controller

Axial Sucker Fan for Efficient Oil Cooling



# Diesel Portable Screw Compressor

## Fuel Efficient Engine

The KRAMIS series compressors are powered by reliable Kirloskar make engine known globally and designed to provide best fuel economy and low emission in their class.

## Newly Designed Canopy

The industrial-grade steel and powder-coated canopy comes as standard feature for maximum corrosion protection and durability. The unique cool-box design allow cool air to enter the rear of the compressor during closed-door operation, facilitating ease of maintenance, keeping the internal temperature low, and prolonging

### Advantages

- Compressors are provided with multi-door.
- Ensures easy access of components and its maintenance.



## Easy Portability\_Trolley

- Trolleys are equipped with heavy duty adjustable tow bar ensures safe movement of compressor even in rough terrain.
- Large diameter wheels with balanced design of weight distribution facilitate easy portability.
- Industry's best ground clearance.

## Compact and Light

Due to compactness, the compressor provides maximum maneuverability and allows short radius turns. The heavy duty construction of the compressor also benefits the customer with high gradeability enabling wobble-free movement on slope.

## Air End

Indigenously designed & manufactured rotary screw air ends feature its energy saving V- rotor profile that is designed to ensure maximum energy efficiency & delivers higher volume cfm air. Hence, every KPCL screw compressor rapidly recoups its investment through significant energy cost reductions.

## Key Features:

1. Indigenously developed new generation Airend
2. Highly durable & robust design
3. Efficient two-stage air intake filter
4. Leaf spring suspension for trolley
5. Designed to withstand extremes of temperatures, dust, grime and tough operating conditions
6. Easy maneuverability allows quick turns and climbing slopes
7. Lesser operating costs and offers higher returns on investment
8. Low maintenance costs
9. Acoustically designed canopy to enable silent operation

**FUEL SAVING**

**LOWEST FOOTPRINT**

**EASY SERVICEABILITY**

**LOWER COST OF OWNERSHIP**

**RELIABLE ENGINE**

## Technical Specifications:

### Diesel Portable Screw Compressor - Two Wheel trolley mounted.

Model	Free Air Delivery		Maximum Working Pressure		Diesel Engine	* Dimension	*Weight	Air Outlet Connection
	CFM	m <sup>3</sup> /min	Kg/cm <sup>2</sup> g	psi g	Make	(L x W x H) mm	Kg	Delivery Valve / Nozzle Size
KDP180-100	180	5.10	7.0	100	KOEL 4R810NA	3080x1440x1389	1500	3/4" X 2 Nos.
KDP250-100	250	7.00	7.0	100	KOEL 4R1040T	3710x1800x1930	2200	1 1/2"x1 No, 3/4"x3 Nos
KDP300-100	300	8.50	7.0	100	KOEL 4R1040T	3710x1800x1930	2200	1 1/2"x1 No, 3/4"x3 Nos
KDP335-100	335	9.48	7.0	100	KOEL 4R1040T	3710x1800x1930	2200	1 1/2"x1 No, 3/4"x3 Nos
KDP280-150	280	7.92	10.0	142	KOEL 4R1040T	3710x1800x1930	2200	1 1/2"x1 No, 3/4"x3 Nos
KDP300-150	300	8.50	10.5	150	KOEL 4R1040T	3220x1320x1810	2200	1 1/2"x1 No, 3/4"x4 Nos
KDP350-125	350	9.90	8.7	125	KOEL 4R1040T	3220x1320x1810	2200	1 1/2"x1 No, 3/4"x4 Nos
KDP400-100	400	11.30	7.0	100	KOEL 4R1040T	3220x1320x1810	2200	1 1/2"x1 No, 3/4"x4 Nos
KDP400-150	400	11.30	10.0	142	KOEL 4R1080T	4150x1950x2300	2700	1 1/2" x 1No. ,3/4" x 3 Nos.
KDP450-150	450	12.75	10.5	150	KOEL 4R1080T	4150x1950x2300	3000	2"x1 No, 3/4"x3 Nos
KDP360-170	360	10.19	12.0	170	KOEL 4R1080T	4520x2000x2120	3000	2"x1 No, 3/4"x3 Nos
KDP600-100	600	17.00	7.0	100	KOEL 4R1080T	4520x2000x2120	3000	2"x1 No, 3/4"x3 Nos
KDP450-200	450	12.70	14.0	200	W06DTI Ashok Leyland	3950x2010x2220	3500	2" x 1 Nos, 3/4" x 03 Nos.
KDP500-175	500	14.20	12.3	175	W06DTI Ashok Leyland	3950x2010x2220	3500	2" x 1 Nos, 3/4" x 03 Nos.

### Diesel Powered Screw Compressor - Skid Mounted for Waterwell Application

KDP450-150 S	450	12.75	10.5	150	KOEL 4R1080T	4150x1950x2300	2500	2"x1 No, 3/4"x3 Nos
KDP450-200 S	450	12.70	14.0	200	W06DTI Ashok Leyland	3950x2010x2220	3000	2" x 1 Nos, 3/4" x 03 Nos.
KDP500-175 S	500	14.20	12.3	175	W06DTI Ashok Leyland	3950x2010x2220	3000	2" x 1 Nos, 3/4" x 03 Nos.
KDP1100-300 S	1100	31.10	21.0	300	Cummins NTA855	4500x2000x2525	5700	2" x1 Nos, 3/4" x 2 Nos.
KDP1200-330 S	1200	33.95	23.0	330	Cummins NTA855	4125x1800x1870	5700	2" x1 Nos, 3/4" x 2 Nos.
KDP1250-350 S	1200	33.95	24.6	350	Cummins KTA19	4800x2100x2200	6700	2" x1 Nos, 3/4" x 2 Nos.

### Electric Portable Screw Compressor - Two Wheel Trolley Mounted

Model	Free Air Delivery		Maximum Working Pressure		Motor Rating	Electric Motor	* Dimension	*Weight	Air Outlet Connection
	CFM	m <sup>3</sup> /min	Kg/cm <sup>2</sup> g	psi g	kW	Make	(L x W x H) mm	Kg	Delivery Valve / Nozzle Size
KEP 75-175	355	10.05	12.5	177	75	KPCL Approved	2400 X 1250 X 1650	2200	1-1/2"-1 No, 3/4" -4 Nos

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### A Kirloskar Group Company

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