



# EVERY DRILL



**DIESEL ENGINES FOR COMPRESSOR APPLICATIONS**

# FOR COMPRESSOR APPLICATIONS.

## Cummins Presence in Compressor Industry



Cummins, a global power leader, is a corporation of complementary business units that design, manufacture, distribute and service engines and related technologies including fuel systems, controls, air handling, filtration, emission solutions and electrical power generation systems. Cummins serves its customers through more than 680 company-owned and independent distributor locations in 137 countries and territories. Cummins also provides service through a vast dealer network of more than 5,000 facilities in 197 countries.

Cummins in India has been closely associated with the compressor industry for the past four decades and is proud to be the driving force behind the machines that bring succour & cheer to the end users and communities which benefit from their services. We are in more ways than one 'making people's lives better by unleashing the power of Cummins'.

With over 10000+ dependable engines powering various applications like water well drilling rigs, portable compressors and blast hole rigs, Cummins is clearly the market leader and the preferred choice of end users, equipment builders and OEMs.

## Dependable Driver for Every Application

Whether it is a borewell in the remotest corner of the country or drilling into the hardest strata, you can count on Cummins for a reliable power source for your compressor package.

One that keeps your package performing optimally, while keeping the maintenance costs down. That's why the best drivers in the compression business are built by Cummins. This strength is demonstrated by the fact that Cummins powers the widest range of compressor applications produced by the leading compressor manufacturers in the country. All this backed with the industry's longest warranty and "Best in Class" after-sales service network including remote locations.

## Customised Value Packages

With the right technology backed by Global



Experience, Cummins offers customised value packages for a variety of compressor applications and the only engine manufacturer in the country to have powered the entire range of the compressor industry - 300 cfm to 1400 cfm. Cummins expertise in application engineering offers latest technology engine with cooling, exhaust, air intake and fuel control systems fully integrated with the equipment design for optimum performance of the machine. Cummins Value Package for compressor applications includes:

- Customized Air intake, Exhaust and Cooling system
- Suitable Flywheel/Housing
- FPTOs for auxiliary power distribution
- Turbochargers with water-cooled Bearing Housings
- Suitable Radiator / Heat exchanger as applicable
- Electrical gauges / Compact Instrument cluster
- Provision for Hydraulic Drives

Our installation design expertise helps assure performance even in the toughest applications. With Cummins, you not only get a better engine, you get a better installation.

## Cummins Product Range for Compressor Applications

| Engine Model | Configuration | Capacity<br>(Litre) | Max. Rating<br>(HP @ RPM) | Max Torque<br>(Nm @ RPM) | Dry Weight<br>(Kgs) |
|--------------|---------------|---------------------|---------------------------|--------------------------|---------------------|
| 4BT-3.9*     | 4-L           | 3.9                 | 102 @ 2300                | 385 @ 1300               | 319                 |
| 6BT-5.9*     | 6-L           | 5.9                 | 143 @ 2300                | 581 @ 1300               | 413                 |
| 6BTA-5.9*    | 6-L           | 5.9                 | 169 @ 2100                | 658 @ 1500               | 443                 |
| 6CTA-8.3*    | 6-L           | 8.3                 | 260 @ 2200                | 1003 @ 1500              | 606                 |
| NT-855-BC    | 6-L           | 14                  | 355 @ 2100                | 1383 @ 1400              | 1270                |
| NTA-855-BC   | 6-L           | 14                  | 450 @ 2100                | 1831 @ 1500              | 1330                |
| NTA-14       | 6-L           | 14                  | 525 @ 2100                | 2237 @ 1500              | 1367                |
| KT-1150      | 6-L           | 19                  | 450 @ 2100                | 1907 @ 1500              | 1634                |
| KTA-1150     | 6-L           | 19                  | 600 @ 2100                | 2237 @ 1500              | 1693                |
| KTTA-19      | 6-L           | 19                  | 700 @ 2100                | 2731 @ 1500              | 1725                |
| VTA-28       | 12-V          | 28                  | 900 @ 2100                | 3356 @ 1500              | 2633                |
| KT-38        | 12-V          | 38                  | 925 @ 2100                | 4095 @ 1300              | 3610                |
| KTA-38       | 12-V          | 38                  | 1200 @ 2100               | 4678 @ 1300              | 3723                |
| KTA-50       | 16-V          | 50                  | 1600 @ 2100               | 5966 @ 1500              | 4858                |

Weights are approximate

\* Capability to meet US EPA Tier 1 emission norms

- Optimised Fuel and Lube oil consumption
- Compact envelope and Lower weight
- Low noise level
- Engine models globally available with electronic fuel control system
- Standardisation of engine platforms

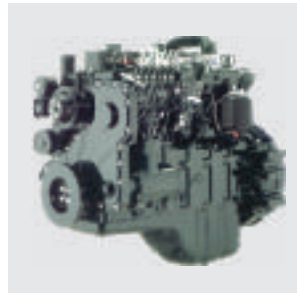
The above ratings are maximum ratings and depending on compressor duty cycle, suitable rating needs to be selected.



4B



6B



6C



N14

## Major Compressor Applications Powered by Cummins

### Water Well Packages



1100 cfm / 300 psi powered by Cummins NTA-855-BC



High Pressure water well package powered by Cummins KTA-1150-C



1100 cfm / 300 psi powered by Cummins NTA-855-BC

### Portable Compressors



300 cfm / 100 psi powered by Cummins 4BT



450 cfm / 150 psi powered by Cummins

### Others



Blast Hole Rig powered by Cummins NT-855-BC



Hydrofracturing Unit powered by Cummins

# Cummins Offerings for Compressor Packages

## Water Well Packages

| Compressor Rating (CFM/PSI)           | Engine Model | Rated Power Range (HP) | Rated Speed Range (RPM) |
|---------------------------------------|--------------|------------------------|-------------------------|
| 450/150, 475/150                      | 6BTA-5.9-C   | 169                    | 2100                    |
| 550/200, 650/150, 650/200             | 6CTA-8.3-C   | 230-260                | 2000-2200               |
| 750/150                               | NT-855-C-BC  | 295-325                | 1800-2100               |
| 900/200, 1000/275, 1100/300, 1150/325 | NTA-855-C-BC | 400-440                | 1900-2100               |
| 1200/350, 1300/300                    | NTA-14-C     | 480                    | 1800-1900               |
| 900/350, 1100/350                     | KTA-1150-C   | 512-600                | 1800-2100               |
| 1100/500                              | VTA-1710-C   | 660                    | 1800                    |

## Portable Packages

| Compressor Rating (CFM/PSI) | Engine Model | Rated Power Range (HP) | Rated Speed Range (RPM) |
|-----------------------------|--------------|------------------------|-------------------------|
| 300/100                     | 4BT-3.9-C    | 102                    | 2200                    |
| 450/150, 600/100            | 6BTA-5.9-C   | 169                    | 2100                    |
| 550/175, 650/100            | 6CTA-8.3-C   | 230-260                | 2000-2200               |
| 1350/300                    | KTTA-19-C    | 550                    | 1800                    |

## Blast Hole Drills

| Drill Size (MM) | Engine Model  | Rated Power (HP) | Rated Speed (RPM) |
|-----------------|---------------|------------------|-------------------|
| 115             | 6CTA-8.3-C    | 230              | 2000              |
| 165             | NT-855-C (BC) | 295              | 1800              |
| 165             | NTA-855-C BC  | 340              | 1800              |
| 200             | KT-1150-C     | 440              | 1800              |
| 165-200         | NTA-14-C      | 480              | 1800              |
| 200-250         | KTA-1150-C    | 530              | 1800              |

## Industrial Compressors

| Engine Model | Rated Power (HP) | Rated Speed (RPM) |
|--------------|------------------|-------------------|
| 6CTA-8.3-C   | 230              | 2000              |
| NTA-855-C    | 325              | 1800              |
| KTA-1150-C   | 472              | 1800              |
| KT-2300-C    | 990              | 1800              |

- Higher engine models upto 1250 HP for continuous duty can be offered @ 1800 rpm for Industrial compressors.
- Compressor ratings mentioned above are some of the popular ratings currently offered by various compressor manufacturers. Contact compressor manufacturer for complete details.

We also have customized re-power packages for many non-Cummins powered compressor packages.

**"Best in Class"**  
**Cummins Service Network**



|                         |     |
|-------------------------|-----|
| CIL Factory             | 26  |
| CDS&S Offices           | 82  |
| Service Dealer HOs      | 128 |
| Service Dealer Branches | 1   |
| Mother Warehouse        | 7   |
| CDS&S Parts Depots      |     |



**Cummins Zonal Offices**

| Location  | STD Code | Telephone           | Fax      | Email                            |
|-----------|----------|---------------------|----------|----------------------------------|
| Bangalore | (080)    | 23613831 / 23611958 | 23614552 | ashok.sharma@cummins.co.in       |
| Mumbai    | (022)    | 22663566 / 22662247 | 22660790 | ambadas.v.nerlikar@cummins.co.in |
| Kolkata   | (033)    | 22472481 / 22470774 | 22473833 | kamal.k.bhowmick@cummins.co.in   |
| New Delhi | (011)    | 26416947 / 26445756 | 26212817 | Vivek.N.Deshmukh@Cummins.com     |
| Raipur    | (0771)   | 2521301/ 2521311    | 2521103  | rewati.kaul@cummins.co.in        |



**Cummins India Limited**  
Kothrud, Pune - 411 038  
Tel. : 020-25385435 / 25380240  
Fax : 020-25381591 / 25380125  
Ghanendra.K.Sharma@Cummins.com  
Manoj.R.Nair@Cummins.com

**Cummins Diesel Sales & Service (I) Limited**  
35/A/1/2, Erandwana, Pune - 411 038  
Tel. : 020-25431234 / 25430066  
Fax : 020-25439490  
R.Ganapathy@Cummins.com  
Madhukar.G.Pawar@Cummins.com

Visit us at : [www.cumminsindia.com](http://www.cumminsindia.com)

**Making people's lives better by unleashing the Power of Cummins**

Cummins has always been a pioneer in product improvement. Thus specifications are subject to change without prior notice. Illustrations may include optional equipment

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