



# HIGH PRESSURE TWO-STAGE AIR COMPRESSORS

550 to 1700 cfm (15.57 to 48.14 m<sup>3</sup>/min)  
250 to 500 psig (17.24 to 34.48 barg)



*Providing Innovative Solutions to Customers on Every Continent*



**National Compressed Air offers the widest range of high pressure two-stage compressors in the industry. Our expertise and design flexibility provides our customers with high performance compressors that operate under extreme conditions or in any location.**

## ***Reliable Equipment for Any Location***

Whether it is the damp remote jungles of South East Asia, the mountains of South America, the hot and humid climate of the Middle East, the cold Canadian Arctic or hazardous offshore drilling platforms, NCA can offer the design excellence and equipment reliability that has been proven by years of firsthand experience.

## ***Discussion Dictates Design***

By combining our extensive knowledge of compressed air technologies with your input on operating conditions, NCA can provide you the compressor solutions that offer maximum efficiency and reliability for your application.

## ***Client Focused Manufacturing***

Our modular and flexible manufacturing techniques along with a substantial inventory of components allow us to modify our designs to meet most non-standard client requests regarding application specific features with little or no impact on equipment price.

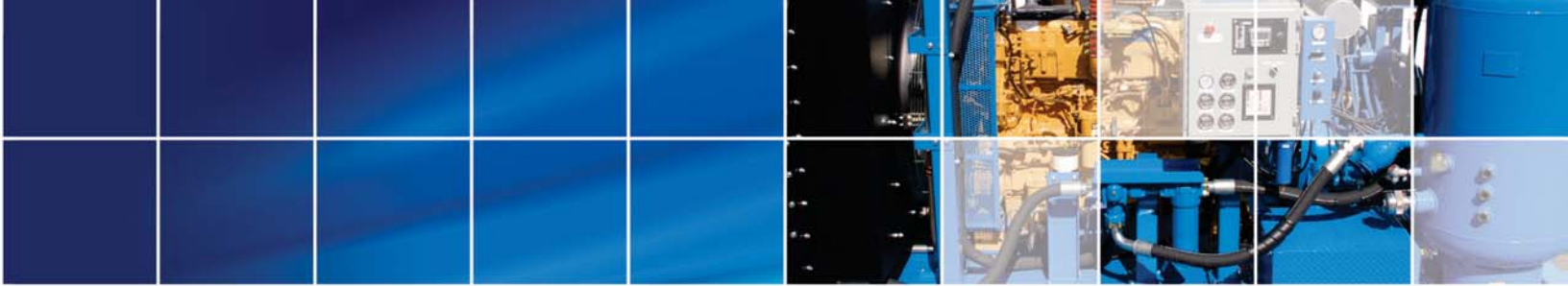
## ***Standard Design Features***

- Energy efficient two-stage rotary screw compressor
- Engines selected with optimum specific fuel consumption, conforming to latest EPA regulations
- Full range air intake modulation
- Engine speed modulation
- Volumes up to 1700 CFM
- Pressures up to 500 PSIG
- Maximum power to weight ratios
- Robust construction to meet demanding field conditions
- Superior reliability
- Simple maintenance
- Operator friendly
- Application specific features



*Containerized NCA Diesel Air Compressors with many client specific features*





COMPRESSOR MODEL	VOLUME SCFM (M <sup>3</sup> /MIN)	PRESSURE PSIG (BARG)	ENGINE		DIMENSIONS L x W x H - IN (MM)	WEIGHT LBS (KGS)
			MAKE & MODEL	HP @ RPM		
NCA 16-34 GSD	550 (15.58)	500 (34.48)	CUMMINS QSB 6.7	270 @ 2000	110 x 71 x 64 (2,794 x 1,803 x 1,626)	6,800 (3,090)
NCA 18-24 GSD	650 (18.40)	350 (24.14)	CUMMINS QSB 6.7	260 @ 2200	110 x 71 x 64 (2,794 x 1,803 x 1,626)	6,800 (3,090)
NCA 23-34 GSD	800 (22.65)	500 (34.48)	CUMMINS QSM11	414 @ 1800	120 x 71 x 71 (3,048 x 1,803 x 1,803)	9,200 (4,182)
NCA 27-24 GSD	950 (26.90)	350 (24.14)	CUMMINS QSM11	400 @ 2100	120 x 71 x 71 (3,048 x 1,803 x 1,803)	9,200 (4,182)
NCA 33-34 GSD	1175 (33.28)	500 (34.48)	CUMMINS QSX15	591 @ 1800	144 x 90 x 76 (3,658 x 2,286 x 1,930)	11,500 (5,227)
NCA 39-24 GSD	1375 (38.94)	350 (24.14)	CUMMINS QSX15	600 @ 2100	144 x 90 x 76 (3,658 x 2,286 x 1,930)	11,500 (5,227)
NCA 37-34 GSD	1300 (36.81)	500 (34.48)	CATERPILLAR C18	700 @ 1800	162 x 90 x 90 (4,115 x 2,286 x 2,286)	13,200 (6,000)
NCA 42-24 GSD	1500 (42.48)	350 (24.14)	CATERPILLAR C18	700 @ 2100	162 x 90 x 90 (4,115 x 2,286 x 2,286)	13,200 (6,000)
NCA 42-34 GSD	1500 (42.48)	500 (34.48)	CUMMINS QSK23	860 @ 2100	203 x 94 x 121 (5,156 x 2,388 x 3,073)	18,000 (8,182)
NCA 48-24 GSD	1700 (48.14)	350 (24.14)	CUMMINS QSK23	860 @ 2100	203 x 94 x 121 (5,156 x 2,388 x 3,073)	18,000 (8,182)

Performances indicated are within +/- 5%  
 Performances are measured at reference conditions of sea level, 20° C and 0% RH  
 NCA reserves the right to change the specifications without notice

## Available Options

- Fuel tank
- Standard or silenced enclosures
- Containerization
- Alternative diesel engines
- Alternative drives – electric, hydraulic, PTO
- After cooler package
- After cooler + filtration /dryer package
- Cold weather capability
- High ambient capability
- Pre-cleaners
- Trailer – high speed tandem or wagon style
- Road lighting package
- Hazardous area options - Rig Safe, Zone 2, Class 1/Division 1 or Division 2
- Dual performance version (350 psig /500 psig operation)
- Custom colours
- Modular designs for helicopter lift
- Other options available on request

## Training

NCA can deploy factory trained personnel for onsite training to any part of the world. Our trainers not only have in depth knowledge of the equipment, but also a strong understanding of your applications. Training programs can also be custom designed to meet our client's specific needs.



## Other NCA Products:

- *Helicopter Portable Compressors*
- *Man Portable Compressors*
- *Single Stage High Pressure Compressors*
- *Booster Compressors (Air and Nitrogen)*
  - Rotary Screw to 600 psig*
  - Reciprocating to 5000 psig*
- *PTO Air Compressors*
- *Compound Air Compressors to 5000 psig*
- *Track Carriers*
- *Drilling Rigs*
  - Man Portable, Helicopter Portable and*
  - Track Carrier Mounted*

National Compressed Air has been an industry leader in custom manufacturing since 1962. By working directly with our customers we design and manufacture quality products that meet their individual needs and ensure successful projects.



### National Compressed Air Canada Ltd.

6890 Davand Drive, Mississauga, Ontario, Canada L5T 1J5  
Tel: (905) 897-9800 or 1-800-268-2052 Fax: (905) 897-9900  
E-mail: [headoffice@nationalcompressedair.com](mailto:headoffice@nationalcompressedair.com)



### Other NCA Locations:

#### Edmonton - Alberta

Tel: (780) 960-6085 or 1-866-960-6085 Fax: (780) 960-6873  
E-mail: [alberta@nationalcompressedair.com](mailto:alberta@nationalcompressedair.com)

#### London - Ontario

Tel: (519) 659-2691 or 1-800-647-4869 Fax: (519) 659-3590  
E-mail: [london@nationalcompressedair.com](mailto:london@nationalcompressedair.com)

#### Sudbury - Ontario

Tel: (705) 682-4132 Fax: (705) 682-4336  
E-mail: [sudbury@nationalcompressedair.com](mailto:sudbury@nationalcompressedair.com)

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