

NATIONAL COMPRESSED AIR

POWER TAKE-OFF (PTO) PACKAGE

Single Stage Volumes up to 3500 SCFM and Pressures up to 250 PSIG

Two Stage Volumes up to 1500 SCFM and Pressures up to 500 PSIG



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NCA Power Take-Off (PTO) compressors are designed for applications where a dedicated power source is not required for the air compressor. These units were originally designed for the drill rig manufacturer or operator to provide a compressor package driven by the power take-off of the drill carrier or by hydraulic motor. These compressors can be adapted for any mobile equipment application where a power source is already available.

NCA can supply a compressor to meet your requirements, whether you are looking for a skid mounted package requiring only the input drive, a component kit to be installed on an existing piece of mobile equipment or NCA can install and commission the compressor at one of our four manufacturing facilities.

NCA can also offer conversion packages to upgrade your existing power take-off compressor package to higher volume and higher pressure.

Compare NCA Advantages

Features	Advantages
<ul style="list-style-type: none">• Oil flooded rotary screw design with full range modulation control	<ul style="list-style-type: none">• Superior energy efficiency
<ul style="list-style-type: none">• Compact size & lightweight design	<ul style="list-style-type: none">• Excellent portability
<ul style="list-style-type: none">• Designed for easy operation & field serviceability	<ul style="list-style-type: none">• Reduced operation costs & maintenance times
<ul style="list-style-type: none">• Low discharge air temperatures	<ul style="list-style-type: none">• No after-cooler required for most applications
<ul style="list-style-type: none">• Custom designs available for unique applications	<ul style="list-style-type: none">• You can get what you want!

Standard Scope of Supply

- Compressor Air End
- Oil filter, oil thermostatic valve & oil strainer
- Compressor intake filter and accessories
- All compressor intake, air and oil control components
- Compressor panel with all gauges, safety shutdowns and control relay
- Compressor vibration mounts
- All service points positioned for ease of maintenance
- Oil cooler (remote mount – supplied loose) complete with fan, fan guard, fan shroud and cooler guard
- Receiver tank complete with:
 - Air/oil separator element
 - Discharge minimum pressure/check valve
 - Oil scavenge line
 - All required gauge glasses and safety controls
- Air, oil and control line hoses and fittings
- Heavy duty compressor skid frame suitable for installation on truck deck

Options

- Power Take-Off or hydraulic drive
- Weather resistant standard or silenced enclosures
- High altitude design
- Fan drive
- Skid mounted, component kit or turnkey installation
- Pre-cleaners for air filter
- High or low ambient temperature designs

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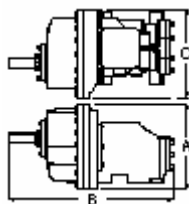
Technical Data

Listed below are examples of some of the compressor packages possible for an 1800 RPM input drive speed. When provided with input power and speed plus any physical constraints of your system, NCA can design a PTO package to meet your requirements...

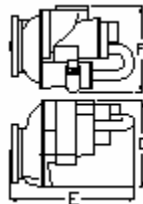
Compressor Model		NCA 13-15 PTO	NCA 17-15 PTO	NCA 21-15 PTO	NCA 26-15 PTO	NCA 13-24 PTO	NCA 17-24 PTO	NCA 22-24 PTO	NCA 26-24 PTO
Performance	Input Speed RPM	1800	1800	1800	1800	1800	1800	1800	1800
	Volume cfm (m ³ /min)	450 (12.75)	600 (17.00)	750 (21.24)	900 (25.50)	450 (12.75)	600 (17.00)	750 (21.24)	900 (25.50)
	Pressure Psig (barg)	220 (15.17)	220 (15.17)	220 (15.17)	220 (15.17)	350 (24.14)	350 (24.14)	350 (24.14)	350 (24.14)
	Power Required HP (KW) (1)	184 (137)	216 (161)	238 (178)	291 (217)	183 (137)	250 (187)	289 (216)	352 (263)
(1) HP listed is for the compressor only. Approximately 10 % additional power is required to operate the cooling fan motor									
Dimensions – Inches (mm)	A	40-1/4 (1029)	40-1/4 (1029)	39-7/8 (1013)	39-7/8 (1013)	-	-	-	-
	B	40-5/8 (1032)	40-5/8 (1032)	44-1/2 (1130)	44-1/2 (1130)	-	-	-	-
	C	26-1/4 (667)	26-1/4 (667)	26-1/4 (667)	26-1/4 (667)	-	-	-	-
	D	-	-	-	-	34-7/8 (885)	34-7/8 (885)	37 (940)	37 (940)
	E	-	-	-	-	38-1/2 (978)	38-1/2 (978)	47 (1194)	47 (1194)
	F	-	-	-	-	22-1/8 (562)	22-1/8 (562)	40-1/2 (1092)	40-1/2 (1092)
	G	54 (1372)	60 (1524)	64 (1626)	68 (1727)	53-1/2 (1359)	63-1/2 (1613)	67 (1702)	71-1/2 (1816)
	H	24 (610)	24 (610)	30 (762)	30 (762)	24 (610)	24 (610)	30 (762)	30 (762)
	J	53 (1346)	53 (1346)	53 (1346)	53 (1346)	53 (1346)	53 (1346)	53 (1346)	53 (1346)
	K	26-1/2 (1029)	26-1/2 (1029)	49 (1245)	49 (1245)	26-1/2 (1029)	49 (1245)	49 (1245)	49 (1245)
	L	15 (381)	15 (381)	17 (432)	17 (432)	15 (381)	17 (432)	17 (432)	17 (432)
Dry Weights – Lbs (Kgs)	Compressor	1650 (750)	1650 (750)	1850 (841)	1850 (841)	1419 (645)	1419 (645)	2425 (1102)	2425 (1102)
	Receiver	1650 (750)	1650 (750)	980 (445)	980 (445)	730 (332)	780 (355)	1240 (564)	1300 (591)
	Heat Exchanger	1650 (750)	1650 (750)	640 (291)	640 (291)	450 (205)	640 (291)	640 (291)	640 (291)

Technical specifications are subject to change without notice

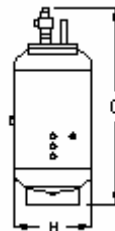
Single Stage Compressor



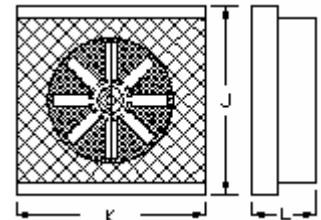
Two Stage Compressor



Air Receiver



Heat Exchanger



NATIONAL COMPRESSED AIR

With more than 40 years experience, National Compressed Air (NCA) is an industry leader in the development, manufacturing and servicing of compressors and drilling equipment. Our compressor packages, specialized drilling systems and related equipment are designed specifically for the mining, exploration and industrial sectors

Other NCA Products:

- Single-Stage Compressors
- Two-Stage Compressors
- Booster Compressors
- Helicopter Portable Compressors
- Man Portable Compressors
- Track Drills
- Man Portable Drills
- NCA-Morooka All Terrain Carriers

At NCA we are committed to providing quality products and services to our customers. This commitment means that you can count on us for improved productivity, greater cost savings and customer satisfaction!

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