

Enduro N3 – Rotary screw air end

Tempest N3 – Integrated compressor unit

CT N3 – Self-contained compressor package

*The heart of it all:
compressed air excellence*

Tamrotor

*The number one air end and
integrated units just got better!*

The new Enduro N3 air end and integrated Tempest 3 unit benefit from our policy of continuous improvement in engineering function, the latest technology and design tools, combined with our screw compressor design expertise of over 50 years. This continuous improvement to the quality of our products provides maximum customer satisfaction and longterm co-operation.

Why choose the Enduro N3, the Tempest N3 and the CT N3?

Enduro N3 air ends, Tempest N3 integrated units and CT N3 self-contained compressor packages are designed for demanding customer applications.

- Improved efficiency from the old Enduro 3: 3 – 5 % lower specific power consumption depending on the running speed and the output pressure
- Compact in size
- More streamlined structure – less sealing surfaces: lower risk of leaks
- Modularity – more variations for customer-specific needs
- Standard options: e.g. optional intake valve assemblies
- Standard drive shaft construction suitable for standard belt drive and direct drive
- New shaft seal, a dust seal and a double Teflon lip-less leakages and longer life, plus easier to change
- Low noise level concept, 3 – 6 dB lower sound pressure than in the old Enduro 3 depending on the operation point
- The connections and service points are at the same side of the Tempest N3 integrated unit providing better service access

1

Basic OEM version:
Basic Enduro N3 air end



3

Fully integrated version:
as previous plus an
integrated oil separation
unit: Tempest N3



2

Semi-integrated version:
as previous plus an integrated
oil filter and a thermostatic
valve: Integrated Enduro N3



4

Self-contained CT N3
compressor units:
Ready made compres-
sor packages, including
everything but starter.



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Key facts

From 4 kW up to 15 kW shaft power and FAD of 0.5 – 2.3 m³/min.

Enduro N3

- Compact design
- Standard 24 mm key groove shaft
- Engineered to be an optimal air end for small size
- Direct or belt-driven compressors
- Efficiency rate of this air end is the highest for its size
- Latest Tamrotor profile and the lobe combination of 4/5 to maximise the efficiency and structural durability
- Allows the use of standard belt pulleys or couplings for direct drive
- High running accuracy provides a lower level of vibration

Enduro N	Motor power		Capacity at 7 barg (101.5 psig) pressure		Pressure range		Speed range	Net weight	
	kW	hp	m ³ /min	cfm	barg	psig	rpm	kg	lbs
EN3	4 – 15	5 – 20	0.5 – 2.3	18 – 80	3 – 14	44 – 205	2,500 – 10,000	13	29

Tempest N3

- Integrated is now even more compact in size
- Simplified structure and fewer seal lines
- Improved internal flow and fewer pressure losses
- Efficient oil separation system provides good compressed air quality with less than 3 mg/m³ of oil carry-over in aerosol form. Tempest allows steep operation tilting angles to all directions.

Tempest N	Motor power		Capacity at 7 barg (101.5 psig) pressure		Pressure range		Net weight	
	kW	hp	m ³ /min	cfm	barg	psig	kg	lbs
TN3	4 – 15	5 – 20	0.5 – 2.3	18 – 80	5 – 14	73 – 205	76	168

CT N3

- Self-contained compressor package
- Specifically engineered for mobile vehicles
- Available for electric and hydraulic motor use
- A real compressed air power cube including Tempest N3 and other key components excluding the starter

CT N Electric drive	Motor power		Capacity at nominal pressure						Net weight	
	kW	hp	8 barg	10 barg	13 barg	115 psig	145 psig	190 psig	kg	lbs
CTN3B	7.5	10	1.1	0.9	0.7	39	32	25	200	440
CTN3B	11	15	1.6	1.4	1.1	57	49	39	265	585

CT N Hydraulic drive	Motor power		Capacity at nominal pressure						Net weight	
	kW	hp	m ³ /min			cfm			kg	lbs
			8 barg	10 barg	13 barg	115 psig	145 psig	190 psig		
CTN3B8HA	8	10	1.1	0.9	0.7	39	32	25	135	300
CTN3B11HA	11	15	1.6	1.4	1.1	57	49	39	150	330

Tamrotor

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