



Kompressor 55/75 kW

Ljudisolerad | eldriven

RTI Transport Installaties B.V.



The RTI compressor unit

A stationary RTI compressor unit is completely made of aluminium with two covers. Quick-adjust buckles enable opening and closing the hoods with ease and make the unit easily accessible when maintenance is due. The entire unit is covered on the inside with soundproofing and fire-retardant material.



Location

The compressor unit can be mounted on a trailer as well as placed stationary in a room or the open air. When placing the unit in a room it is important to have a sufficient supply of fresh air.

Stationary units placed in factory rooms or in the open air are standard equipped with rubber feet to make sure the unit is standing vibration free on the ground. However the unit can also be equipped with forklift holes or an undercarriage on wheels.



Compressed air cooler

Especially for combustible or temperature sensitive products the installation is equipped with a compressed air cooler. The compressed air cooler is completely made of aluminium and cools the compressed air approximately 100°C. Depending on intake temperature, pressure and cargo-quantity the outlet temperature is roughly 65°C. Standard outlets of RTI compressor units are at the front of the cooler, but it is possible to change the outlets to your wishes.

The silencer, filter and pipes are also made of aluminium. When combining these parts with a cooler the installation meets the chemical and food supply industry's requirements.



Silencers and air filters

- Pulsation silencer RTI/MMT

The aluminium pulsation silencer is constructed based on the volume size and is equipped with a steered pressure relief valve and a built in non-return valve.

- Combined air filter/intake silencer RTI/Mira

The aluminium filter unit is equipped with a high-quality and moisture resistant 5 µm air filter.



Custom made solutions

If the available space is smaller than the required mounting space, contact us to find a solution. We are able to provide solutions tailored to your wishes.

Cooling & drive

RTI Transport Installaties B.V. has developed several cooling and drive options for your installation. Let the RTI specialists inform you which option is best suited for your application.



Forced air cooling

Forced air cooling is achieved by a plastic fan connected to the electric motor. The advantage of forced air cooling is the increased operating reliability.



Air dryer

To dry the air before it is drawn in to the compressor the installation can be equipped with an integrated air dryer.

The installation can also be equipped with an integrated Microlon filter to additionally filter the air coming out of the compressor (5 μ m).



V-belt drive

In order to transfer a larger capacity the installation is equipped with V-belts. The automatic tightening system is a rubber element which will keep the powerband in suspense at all times and reduces vibration in the transmission.



Electric motor

The installation is standard equipped with an energy efficient IEE3 motor.

Upon request the installation can be equipped with every brand motor you prefer.



Your compressor tailored to your wishes by RTI's specialists with several options and additions. Please contact us for more information.



Options

RTI delivers the compressor installation tailored to the customer's wishes with different options.

Hydraulic installations can be equipped with:

- 190 L oil tank
- tipper pump
- return filter
- 5.5 kW e-motor
- piping

Switch box options are:

- oil pressure control
- pressureless start up
- hour meter
- remote control
- stainless steel version
- for other options please contact us

Equipping a compressor unit with a frequency regulator.

A frequency regulator saves energy, enables the use of the entire range of the compressor and ensures constant pressure control.

Other options

Flexible use of the installation can be attained by the following options:

- a blow-off silencer
- cold and warm air mixing
- a combination of the above



Your compressor tailored to your wishes with RTI options!

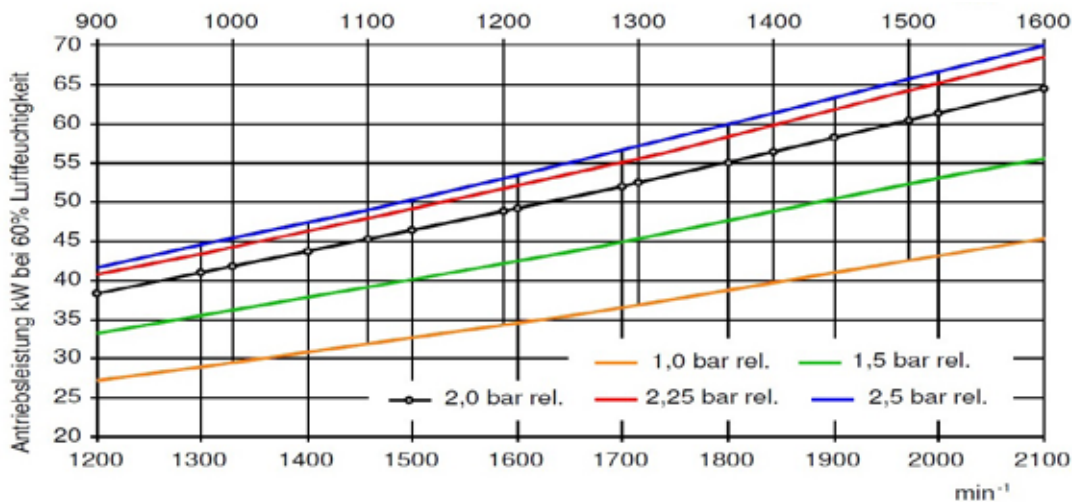
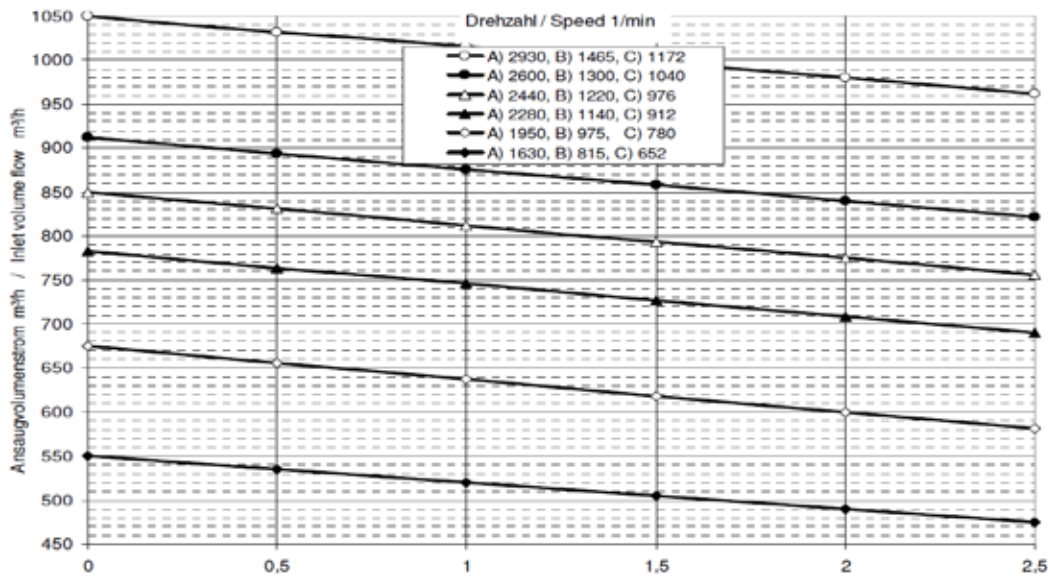
Contact us today!

Technical data



	Elsto 55 kW electric motor	Elsto 75 kW electric motor
Type	250 L 2 A IEE3	280 L 2 B IEE3
Power	400 volt, 55 kW, 50 HZ	400 volt, 75 kW, 50 HZ
Speed	1500/3000 rpm	1500 rom
Building type	B3 IP55 F	B3 IP55 F
Material	Cast iron	Cast iron

Type compressor	CVS SiloKing 1100LS	Alfons Haar Cmax3
System	Schroef	Schroef
Flow rate (m3/h)	840 bij 2600 omw./min. en 2 bar	920 bij 1800 omw./min. en 2 bar
Flow rate (m3/h)	980 bij 2930 omw./min. en 2 bar	1070 bij 2100 omw./min. en 2 bar
Maximum speed (rpm)	2930	2100
Suction conditions	1 bar-20°C	1 bar-20°C
Maximum pressure	2.5 bar	2.5 bar
Power at coupling at 2 bar	47 kW at 2600 rpm	55 kW at 1800 rpm
Power at coupling at 2 bar	52 kW at 2930 rpm	64 kW at 2100 rpm
Soundlevel compressor unit	75 dBa	75 dBa
Dimensions compressor unit (cm)	2208 x 900 x 1300	2208 x 900 x 1300



Why an RTI-installation?

- There will be no formation of rust because the RTI compressor unit is completely made of aluminium.
- The installation weighs at least 70 kg less than similar installations.
- The sound level is lower due to an RTI/MMT pulsation silencer, a combined RTI/Mira air-filter silencer and the insulation in the enclosure.
- Maintenance costs of the compressor unit are low.
- The installation is driven by V-belts which results into a greater power transmission.
- The units are available in every colour.
- The fan in the installation is directly connected (no electric fan).
- Your own compressor can be assembled in the enclosure on request.

RTI is specialised in manufacturing and mounting low-noise, low maintenance and sustainable compressor installations tailored to the customers wishes.





Over the years RTI gained experience as specialist in developing, manufacturing and mounting transport-installations, because of this RTI's specialists can guaranty high quality.



Choose quality

RTI is ISO 9001:2008 certified and RTI's products meet the required standards.

Warranty

The installation is developed according to the manufacturers directives therefore warranty is completely covered by the manufacturer.

- 12 month warranty on the compressor
- 12 month warranty on the electric motor
- 48 month warranty on the RTI construction

Delivery

Ready for operation and painted in the colour of your preference.

To prevent differences in colour, in case the colour is not an original RAL colour, you can supply the colour and hardener yourself.

ISO certificate

RTI is ISO 9001:2008 certified

RTI has a good and workable policy with clear goals, a good quality control and qualified personnel. RTI's internal communication, descriptions of processes within the organisation and continuous improvement are also secured with this certificate.

CE-marking

RTI installations meet the requirements of CE standard 2007/42/EG



High quality compressors
Extended warranty



RTI Transport Installaties B.V.

Over 25 years your compressor specialist!

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