

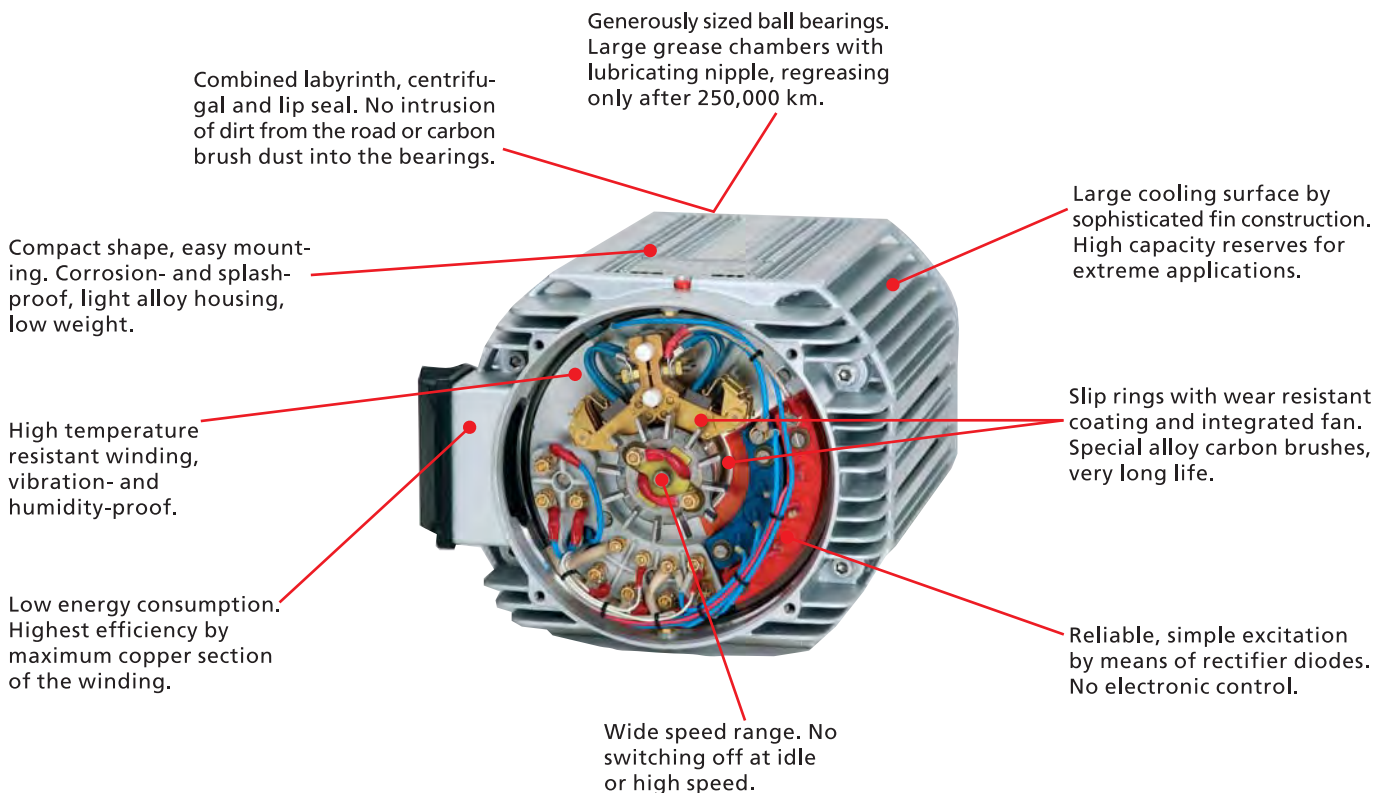
FRIGOBLOCK A 6 - G 24

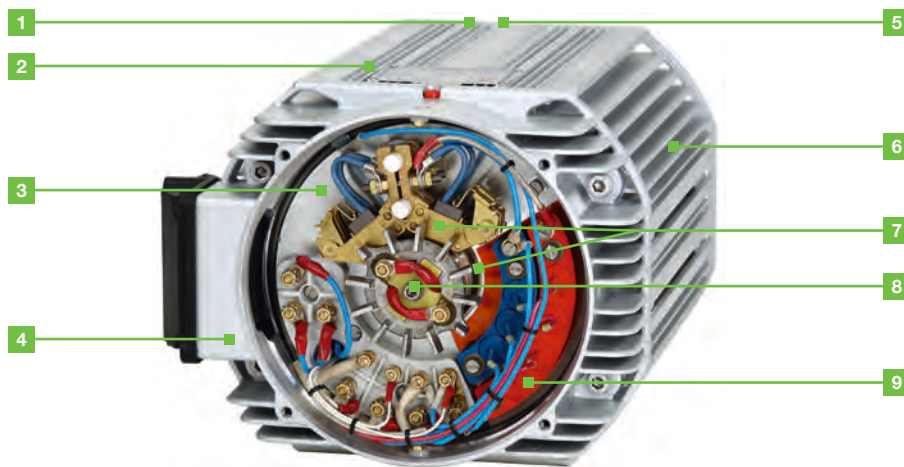
3-Phase Alternators 6-24 kVA



Specifically designed for transport refrigeration, extremely long-life and robust. More ease for the driver, no checking of fuel, oil, cooling water level and battery. Big advantages in weight, energy con-

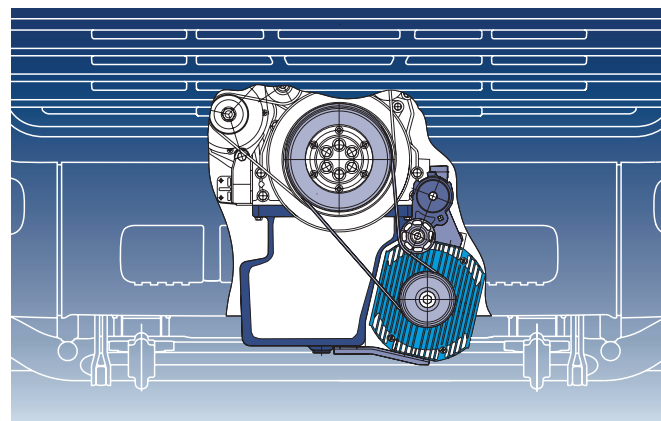
sumption and maintenance costs. Highest efficiency and lowest noise emission of all drive systems, very reliable lossfree electrical control of the refrigeration unit.





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|---|---|---|
| <p>1 Combined labyrinth, centrifugal and lip seal. No intrusion of dirt from the road or carbon brush dust into the bearings.</p> <p>2 Compact shape, easy mounting. Corrosion- and splash-proof, light alloy housing, low weight.</p> <p>3 High temperature resistant winding, vibration- and humidity-proof.</p> | <p>4 Low energy consumption. Highest efficiency by maximum copper section of the winding.</p> <p>5 Generously sized ball bearings. Large grease chambers with lubricating nipple, regreasing only after 250,000 km.</p> <p>6 Large cooling surface by sophisticated fin construction. High capacity reserves for extreme applications.</p> | <p>7 Slip rings with wear resistant coating and integrated fan. Special alloy carbon brushes, very long life.</p> <p>8 Wide speed range. No switching off at idle or high speed.</p> <p>9 Reliable, simple excitation by means of rectifier diodes. No electronic control.</p> |
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A 6 – G 24 air cooled synchronous alternators



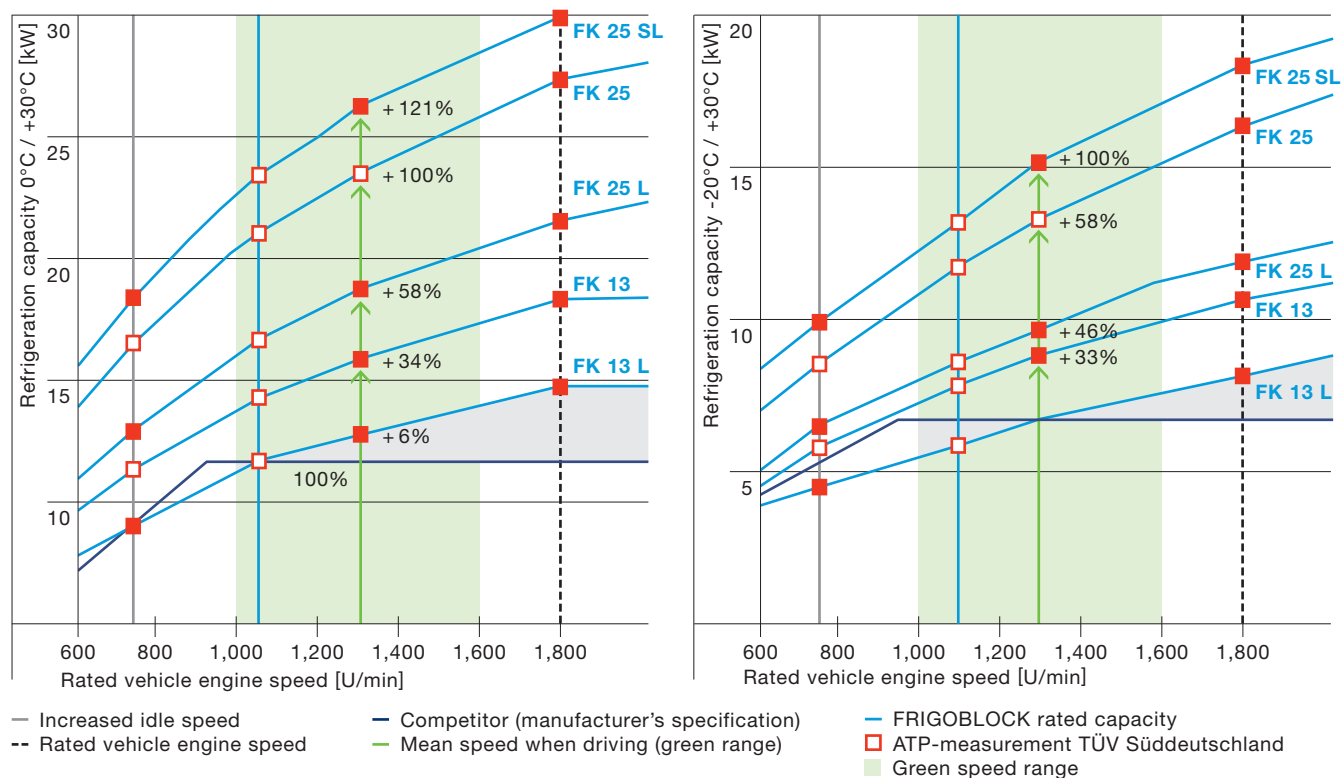
Because of the market position of the alternator driven FRIGOBLOCK refrigeration machines, well-known truck manufacturers already take into account the technical requirements for the installation of FRIGOBLOCK alternators during the development of a new truck series with gross combination weight rating of 7.5 tons and above.

- 50% fuel saving compared with conventional diesel cooling systems: Ultra-efficient energy generation by the utilisation of modern HGV engines

- One alternator supplies the energy for a truck-trailer unit.
- Large speed range: No turning off in idle or at high speeds.
- Over 40 years experience in alternator drive systems and fitting by leading truck manufacturers on their own production line.

- Highest efficiencies thanks to very large copper coil and core sections
- Robust and durable alternator: long service life
- Splaswater protected aluminium housing. No entry of dirt in the bearings.
- Compact shape, easy mounting, low weight.

More than 40 years technical lead in the design of alternator drive. 30–120% increase in refrigeration capacity, even when driving at low revs. No loss of performance when engine speed is reduced.



FRIGOBLOCK ALTERNATOR

FRIGOBLOCK alternator type	A 6	A 8	G 12	G 17	G 24	DIM.
Alternator						
Capacity	6.24	8.31	12.47	17.32	24.25	kVA
Voltage	400	400	400	400	400	V
Frequency	50	50	50	50	50	Hz
Current	9	12	18	25	35	A
Speed	3,000	3,000	3,000	3,000	3,000	1/min
Speed-range						
Min.	1,200	1,200	1,200	1,200	1,200	1/min
Max.	5,250	5,250	5,250	5,250	5,250	1/min
Dimensions						
Length	350	400	375	450	550	mm
Height	180	180	214	214	214	mm
Width	206	206	245	245	245	mm
Shaft	28	28	43	43	43	mm
Alternator						
Driving torque	19.9	26.5	39.7	55.1	77.2	Nm
Weight	38	48	59	76	98	kg

Subject to technical changes without prior notice.