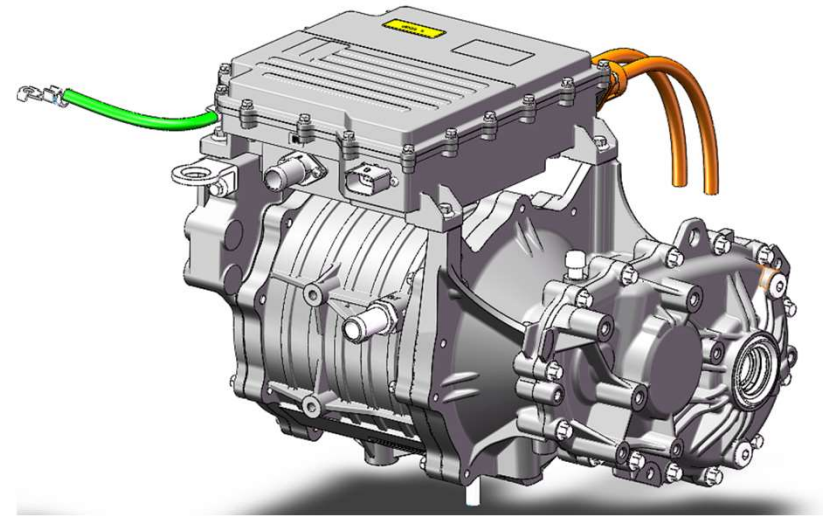


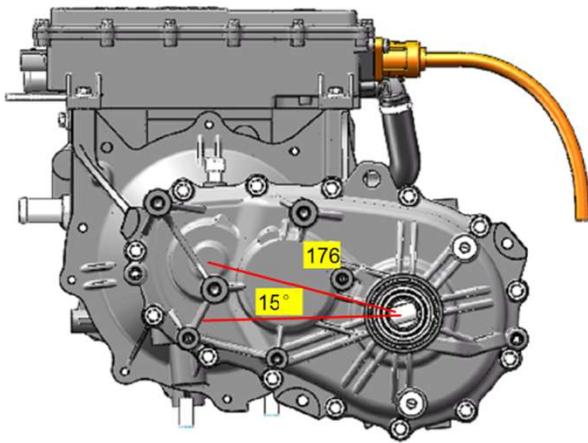
70kW Drive System Summary

Drive System Parameters		
Items	Unit	Value
Peak Power	kW	70
Peak Torque	Nm	150
Max speed	rpm	13000
Continuous Power	kW	30
Continuous Torque	Nm	60
Base Speed	rpm	4500
Reduction Ratio	/	10.89
Max Speed Output from Gearbox	rpm	1193
Peak Torque Output from Gearbox	Nm	1633.5
Max Efficiency, system	%	92
Weight	kg	51±2

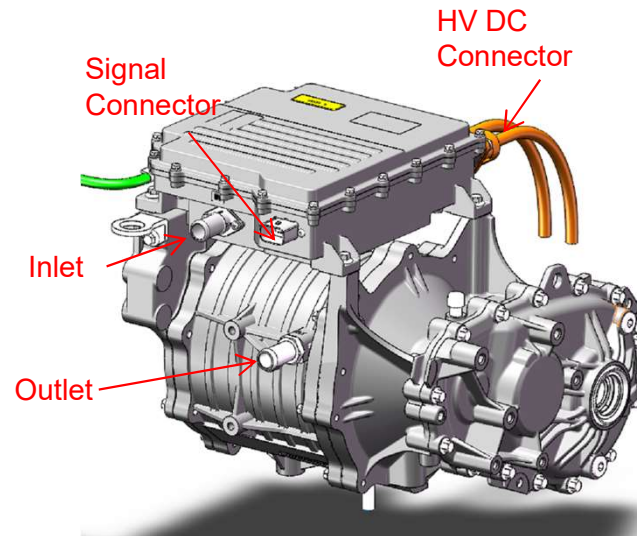


Items	Unit	Value
DC Input Voltage, nominal	VDC	350
DC Input Voltage, range	Nm	270-450
Coolant Inlet Temp	°C	≤65
Operating Ambient Temp	°C	-40~+85
Altitude	m	≤3500

70kW Drive System Summary

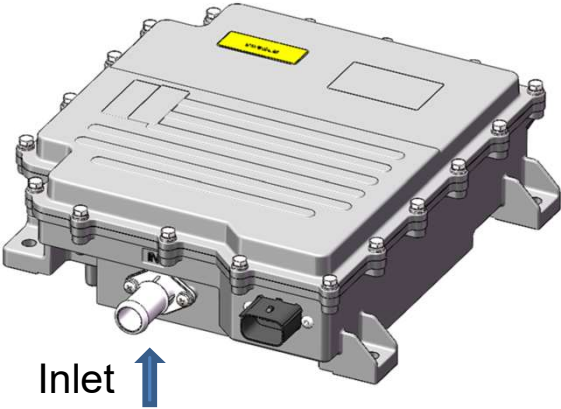


- Center Distance: 176mm;
- Angle with horizontal line: -15°



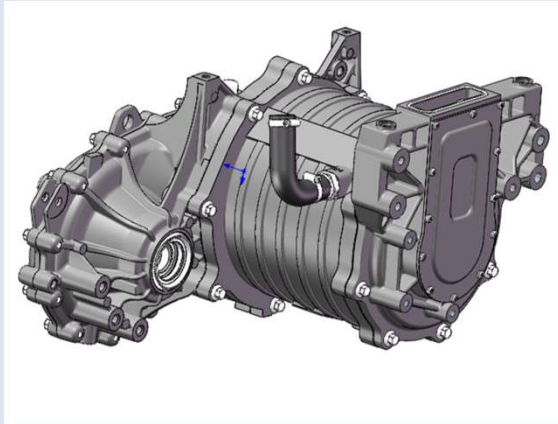
- Motor and gearbox transmit power by spline connection;
- Motor output shaft and gearbox input shaft are separated. They are supported by 4 bearings;
- Motor and inverter are connected by copper busbars for 3 phases.
- Inverter outlet connects to motor inlet with extra pipe.

70kW Inverter Summary

Inverter	Item	Value
 <p>Inlet ↑</p>	Bus Voltage Range (V)	270-450
	Rated Bus Voltage (V)	350
	Inverter kVA Rating (kVA)	108
	Peak Output Current@30s (Arms)	252
	Rated Output Current (Arms)	103
	Max. Coolant Inlet Temperature (°C)	65
	Max Efficiency (%)	99.5
	Ambient Temperature Range (°C)	-40-85



70kW Motor Summary



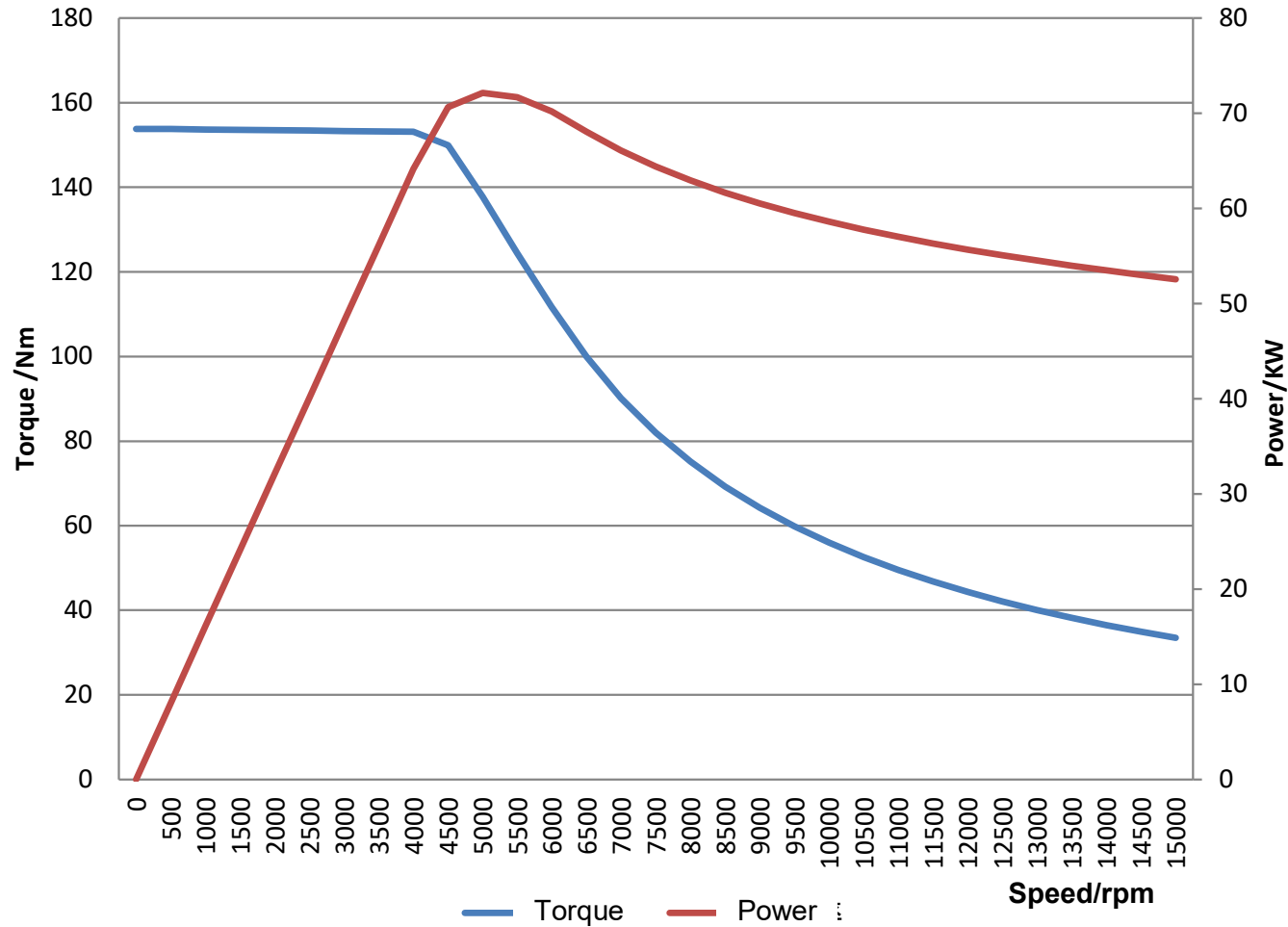
Item	Value
Back EMF@1000rpm	29.8Vrms
IP	IP67
Cooling Method	Liquid Cooled
Pole Pairs	4
Stack length (mm)	97.5
Max Phase Current (Arms)	252
Peak Power (Kw)	70
Peak Torque (Nm)	150
Max Speed (rpm)	13000
Max Efficiency	96%
Weight (kg)	45
Motor Size	See Drawing

Item	Value
Motor Type	IPM
Stator OD (mm)	180
Phase Number	3
Continuous Power (Kw)	30
Continuous Torque (Nm)	60
Base Speed(rpm)	4500



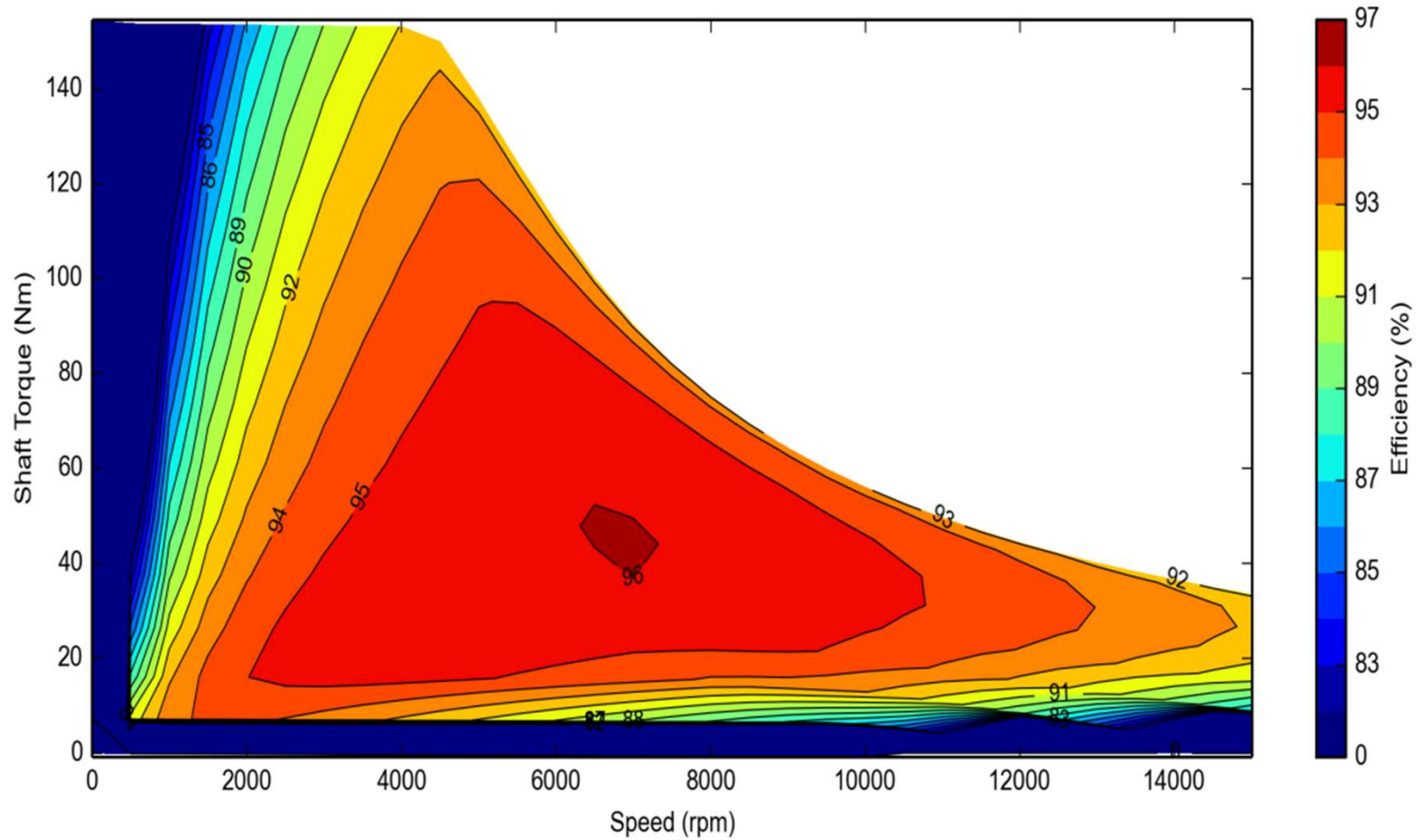
70kW Motor Peak Performance

Peak Performance@350Vdc

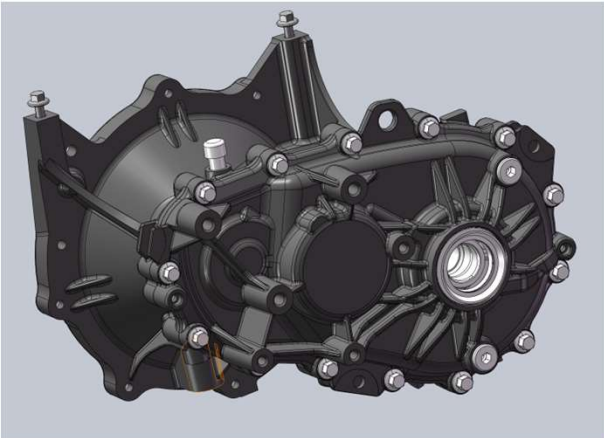




70kW Motor Efficiency



70kW Gearbox Summary

Gearbox	Item	Value
	Max Output Torque (Nm)	1800
	Max Input Speed (rpm)	15000
	Reduction Ratio	10.89
	Center Distance (mm)	176
	Parking lock	No
	Overall Efficiency	>96%
	Design Life	300,000km or 10years
	Lubricant and Lubrication Method	Castrol BOT352B1 BEV, Volume: 0.65L-0.75L Splash
	Operating Ambient Temperature (°C)	-40~+125