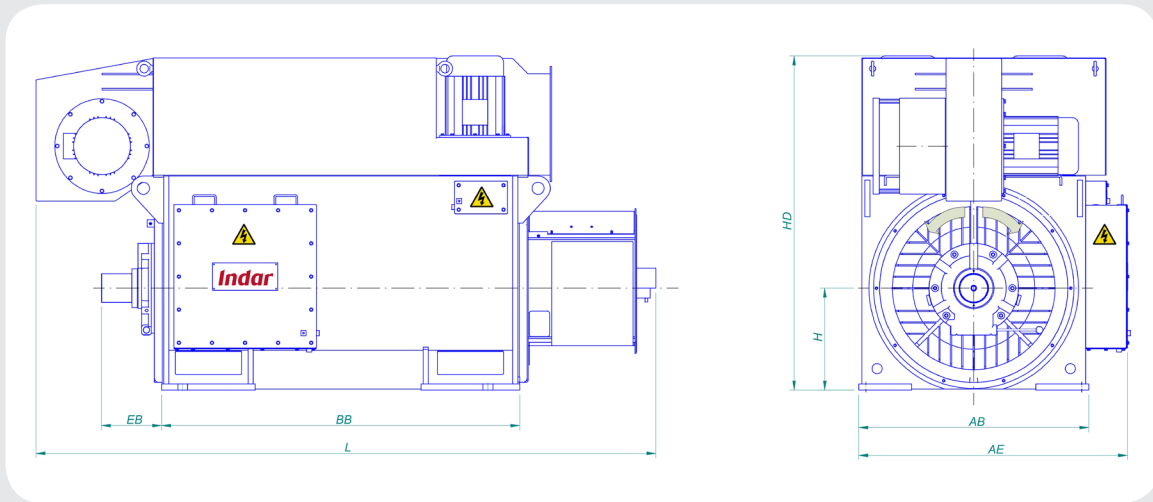


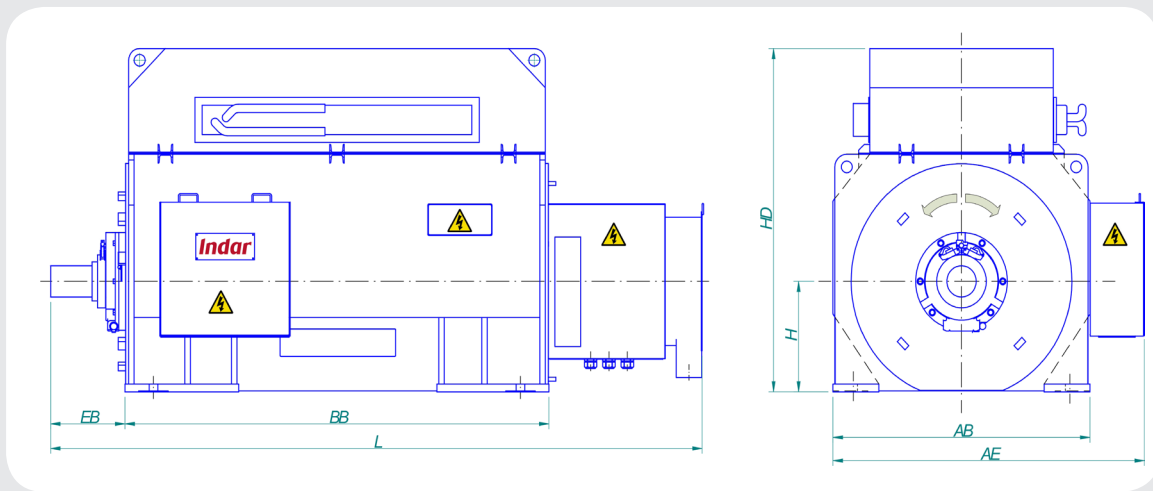


		HS-1500/1600-LV-AC	HS-1500/1600-LV-WC
<b>Main Data</b>			
WTGS Power	[kW]	1500	
Rated speed (range)	[rpm]	1600 (1100 - 1920)	
Available rated speed (*)	[rpm]	1600 -1800	
Rated frequency	[Hz]	50 ± 5%	
Stator Voltage	[V]	690 ± 10%	
Power factor		0.95 cap - 0.95 ind	
Locked rotor voltage	[V]	1820	
Efficiency	[%]	96,4	96,7
Duty cycle		S1	
Thermal class		H	
Temperature rise		F	
<b>Cooling Data</b>			
Cooling system		IC-666	IC-81W
Coolant		Air (inside nacelle)	Water-Glycol 50%
Coolant temperature	[°C]	≤ 50	≤ 55
Coolant flow-rate	[l/min]	-	95
Coolant pressure-drop	[bar]	-	≤ 1.0
<b>Ambient Conditions</b>			
Temperature range	[°C]	-30 / +50	
Corrosion protection		C3H (C4H or C5M on request)	
Offshore availability		Yes	Yes
<b>Mechanical Data</b>			
Mounting arrangement		IM1001 (tilt angle ≤ 6°)	
Protection degree		IP54 generator / IP23 slip-rings	
Weight	[Kg]	7600	7000
Dimension AB	[mm]	1150	1150
Dimension AE	[mm]	1550	1550
Dimension EB	[mm]	370	370
Dimension BB	[mm]	1750	1850
Dimension L	[mm]	2850	2950
Dimension H	[mm]	500	500
Dimension HD	[mm]	1650	1550

## Air - Air Cooled



## Air - Water Cooled



\* INDAR design shall be used as a guideline. This design will be adjusted to customer requirements in terms of accurate output power, rated speed, voltage, frequency, cooling system or constructional details to perfectly match the integral solution.

The design features are fit for 1,5 MW and 1100 rpm. It is possible to adapt it to the available speed range; this could require dimensions and weight modifications.