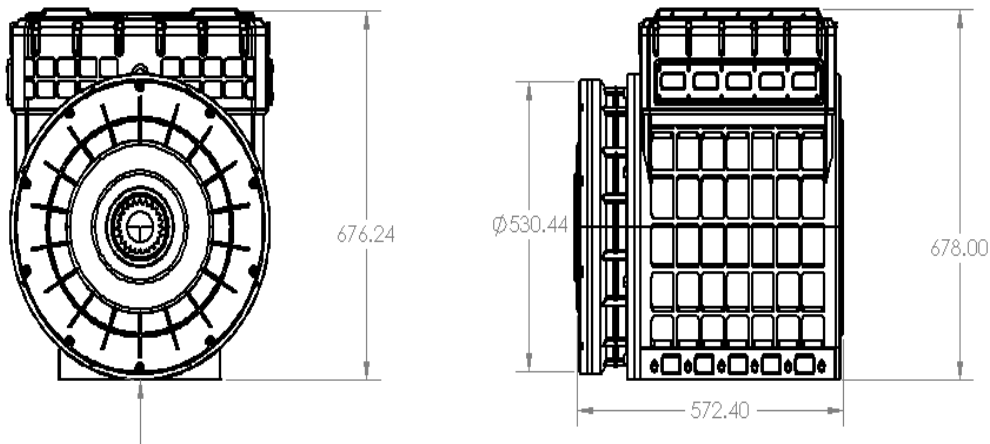
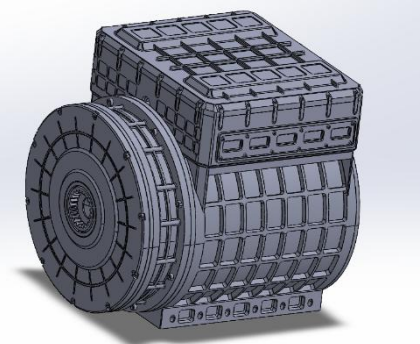
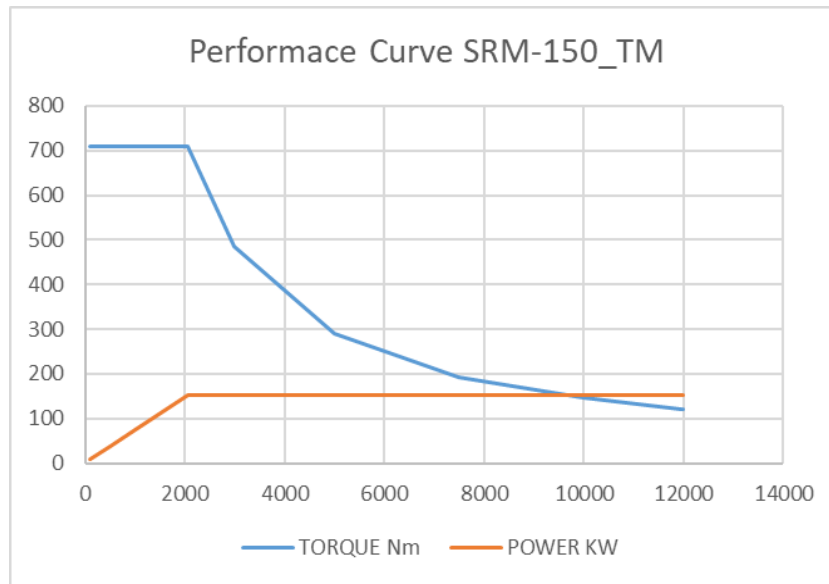


**SWITCEHD RELUCTANCE MOTOR (SRM-150 TM) Specifications**

| S No. | PARAMETER                       | SPECIFICATIONS           |
|-------|---------------------------------|--------------------------|
| 01.   | Type of Motor                   | Switched Reluctance Type |
| 02.   | Operating Voltage (V)           | 400~800 V - DC           |
| 03.   | Max Current                     | 350 Amps                 |
| 04.   | Max Motor RPM                   | 11970                    |
| 05.   | Peak Output Torque(W/O) Gearbox | 709 Nm @ 2048 RPM        |
| 06.   | Continuous Nominal Power Output | 152 KW                   |
| 07.   | Peak Power output               | 250 KW                   |
| 07.   | Nominal Torque at Peak RPM      | 121 Nm @ 11970 RPM       |
| 08.   | Efficiency                      | > 95.0 %                 |

| S No. | SPEED | TORQUE | POWER | SPEED              | TORQUE |
|-------|-------|--------|-------|--------------------|--------|
|       | RPM   | Nm     | KW    | WITH GEARBOX (3:1) |        |
| 1     | 100   | 709    | 7     | 33                 | 2,127  |
| 2     | 500   | 709    | 37    | 167                | 2,127  |
| 3     | 1000  | 709    | 74    | 333                | 2,127  |
| 4     | 2048  | 709    | 152   | 683                | 2,127  |
| 5     | 3000  | 484    | 152   | 1000               | 1,452  |
| 6     | 5000  | 290    | 152   | 1667               | 871    |
| 7     | 7500  | 194    | 152   | 2500               | 581    |
| 8     | 10000 | 145    | 152   | 3333               | 436    |
| 9     | 11970 | 121    | 152   | 3990               | 364    |
| 10    | 12000 | 121    | 152   | 4000               | 363    |





| S No. | Parameters                              | Specifications                                                                                                                        |
|-------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Peak Output Power                       | 250 KW                                                                                                                                |
| 2     | Supported output Voltage Configurations | 400~800 V                                                                                                                             |
| 3     | Cooling                                 | Liquid Cooled, max liquid temperature 80°C                                                                                            |
| 4     | Communications                          | CANBUS, Data to include Inverter Status (Output Status, Active                                                                        |
| 5     | Protections                             | Over/Under Voltage, Overcurrent trip, and high voltage DC bus, Short Circuit, high voltage DC bus, Over temperature – inverter itself |
| 6     | Operating temperature range (Ambient    | -40°C to +55°C (-40°F to 131°F)                                                                                                       |
| 7     | Humidity                                | 98% (N/A for demonstrator)                                                                                                            |
| 8     | Environmental Conditions                | Splash from sea water, Blowing Sand/Dust, Salt, Icing                                                                                 |
| 9     | Environmental Sealing                   | NEMA 6P / IP68 & IEC 60092-202                                                                                                        |
| 10    | Shock                                   | 36" Drop onto each face/corner of the unit, but not directly onto SRM system components                                               |
| 11    | Weight                                  | 350 Kgs                                                                                                                               |
| 12    | Dimensions (in mm)                      | Ø 568 X 540                                                                                                                           |