### Standards
- **Australian Standards**: AS 60034, AS1076
- **Other Standards**: IEC 60034

### General
- **Ambient Temperature**: 45 °C
- **Maximum Relative Humidity**: 100%
- **Environment Conditions**: As per project specification
- **Degree of Protection - Frame/term. Box(es)**: IP54/IP56 to AS 60034
- **Power Supply System**: 3.3 kV, 3 phase, 50 Hz
- **Earthing**: Solid
- **Minimum Frame Size**: As per AS 1359 part 41
- **Voltage**: 3.3 kV, 3 phase, 50 Hz
- **Duty Type**: Induction
- **Winding Material**: Copper
- **Mounting**: Foot mounted, Horizontal
- **Insulation**: Class B
- **Cooling**: Air to air
- **Number of Poles**: S1
- **Duty Type**: Direct
- **Loading**: TBA
- **Radial**: -
- **Pulley Details**: -
- **Rated Power**: kW
- **Voltage**: V
- **Duty Detail**: Maximum 72 dB(A)
- **Cycle Duration Factor**: -
- **Load Intertia**: kg m²
- **Drive Transmission**: Direct
- **Loading**: TBA
- **Radial**: -
- **Pulley Details**: -
- **Rated Power**: kW
- **Voltage**: V
- **Duty Type**: -
- **Number of Poles**: -
- **Cooling**: -
- **Motor Type**: -
- **Winding Material**: -
- **Mounting**: -
- **Insulation**: -
- **Winding Material**: -
- **Duty Type**: -
- **Loading**: TBA
- **Radial**: -
- **Pulley Details**: -
- **Rated Power**: kW
- **Voltage**: V
- **Duty Type**: -
- **Number of Poles**: -
- **Cooling**: -
- **Motor Type**: -
- **Winding Material**: -
- **Mounting**: -
- **Insulation**: -
- **Winding Material**: -
- **Duty Type**: -
- **Loading**: TBA
- **Radial**: -
- **Pulley Details**: -
- **Rated Power**: kW
- **Voltage**: V
- **Duty Type**: -
- **Number of Poles**: -
- **Cooling**: -
- **Motor Type**: -
- **Winding Material**: -
- **Mounting**: -
- **Insulation**: -
- **Winding Material**: -
- **Duty Type**: -
- **Loading**: TBA
- **Radial**: -
- **Pulley Details**: -

### Driven Equipment
- **Maximum Allowable Torque**: Nm
- **Maximum Number of Starts**: As per AS 1359 part 41

### Motor Details
- **Additional Winding Protection**: Maximum 72 dB(A)
- **Noise at 1m**: -
- **ATIM**: -
- **Painting**: As per manufacturer standard
- **Shaft**: Single, Vertically down
- **Diameter**: Tapered
- **Extension**: -
- **Bearings**: Ball and Roller
- **Lubrication**: Standard
- **Motor Differential Protection**: N/A
- **Surge Protection**: No
- **Rotation Term**: RHS motor and bottom entry cable to T-box
- **Box Position**: TBA
- **View On**: -
- **Stator Cables**: -
- **Heater Cables**: -
- **AUX Cables**: -
- **Other Cables**: -
- **Accessories**: Holding down bolts, sole plate, finish bored
- **Anti-condensation Heaters**: Yes
- **Number**: -
- **Voltage**: -
- **Wattage**: -
- **Temperature Detectors**: Stator, RTD
- **Earthing Studs**: External, two
- **Name Plate**: Stainless steel
- **Type**: Squirrel cage
- **Exciter**: TBA / N/A

### Rotor Details

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**FOR874-HV_Motors.xlsx**
### HV Motors

#### MANUFACTURER'S DETAILS

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Unit of Measure</th>
<th>Data to be Confirmed by Vendor</th>
<th>Vendors Response</th>
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<tbody>
<tr>
<td>61</td>
<td>Manufacturer</td>
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<tr>
<td>62</td>
<td>Country of Manufacture</td>
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<td>Model Number</td>
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<td>64</td>
<td>Frame Size</td>
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<tr>
<td>66</td>
<td>Speed</td>
<td>RPM</td>
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<tr>
<td>67</td>
<td>Ratings</td>
<td>kW</td>
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<tr>
<td>68</td>
<td>Voltage</td>
<td>kV</td>
<td>kW ± 5%</td>
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<tr>
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<td>Stator</td>
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<td>Rotor</td>
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<td>Phases</td>
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<tr>
<td>72</td>
<td>Frequency</td>
<td>Hz</td>
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<td>73</td>
<td>Output</td>
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<td>Duty</td>
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<tr>
<td>75</td>
<td>Number of Poles</td>
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<tr>
<td>76</td>
<td>Direction rotating Facing DE</td>
<td>Both clockwise and counterclockwise</td>
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<tr>
<td>77</td>
<td>Stator Current</td>
<td>A</td>
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<td>Rotor Current</td>
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<tr>
<td>79</td>
<td>Efficiency</td>
<td>%</td>
<td>95.7 at 100% load, 95.3 at 75% load</td>
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<td>Power Factor</td>
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<td>0.84 at 100% load, 0.79 at 75% load</td>
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<td>81</td>
<td>Slip</td>
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<td>ca 0.7% at 100% load, ca 0.7% at 75% load</td>
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</tbody>
</table>

#### Notes:

1. Contractor to advise suitable starting method of application
2. Contractor to advise all departures from TMS1404 and attach to this datasheet with bid proposal
3. TBA: To be Advise
4. N/A: Not Applicable