



# MOTOR PERFORMANCE DATA

Model: 8" 2P Submersible Motor

<u>WATER</u> Type	<u>100</u> HP	<u>131</u> AMPS
<u>3</u> Phase	<u>460</u> Volt	<u>3470</u> RPM
<u>1.15</u> S.F.	<u>30Deg.C</u> Max.Amb.Water	<u>60</u> Hertz
		<u>4540</u> Kg Thrust Load

Date:	<u>24/06/2014</u>
<u>100</u> HP	
<u>3470</u> RPM	
<u>800</u> mm Stack	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>208</u> Nm		No Load	<u>0</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>0.07</u>	<u>3600</u>	<u>54.3</u>
Break Down Torque	<u>564</u> Nm		25%	<u>18.8</u>	<u>25</u>	<u>23</u>	<u>82.2</u>	<u>0.48</u>	<u>3568</u>	<u>59.7</u>
Locked Rotor Torque	<u>337</u> Nm		50%	<u>37.5</u>	<u>50</u>	<u>43</u>	<u>87.8</u>	<u>0.69</u>	<u>3535</u>	<u>77.8</u>
Locked Rotor Current	<u>675</u> Amps		75%	<u>56.3</u>	<u>75</u>	<u>63</u>	<u>88.7</u>	<u>0.78</u>	<u>3502</u>	<u>102.1</u>
Winding Resistance	<u>0.13</u> Ohms		100%	<u>75.0</u>	<u>101</u>	<u>85</u>	<u>88.0</u>	<u>0.82</u>	<u>3470</u>	<u>130.6</u>
Weight (With Water)	<u>225</u> Kg (Approximate)		125%	<u>93.8</u>	<u>126</u>	<u>108</u>	<u>86.7</u>	<u>0.83</u>	<u>3430</u>	<u>163.7</u>

