



# MOTOR PERFORMANCE DATA

Model: **6" 2P Submersible Motor**

<b>WATER</b>	Type	<b>30</b>	HP	<b>43</b>	AMPS	<b>Date: 16/06/2014</b> <b>30 HP</b> <b>2870 RPM</b> <b>700 mm Stack</b>
<b>3</b>	Phase	<b>415</b>	Volt	<b>2870</b>	RPM	
<b>1.15</b>	S.F.	<b>30Deg.C</b>	Max.Amb.Water	<b>50</b>	Hertz	
				<b>2270</b>	Kg Thrust Load	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>75</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>1.2</b>	<b>0</b>	<b>0.08</b>	<b>3000</b>	<b>21.6</b>
Break Down Torque	<b>249</b>	Nm	<b>25%</b>	<b>5.5</b>	<b>7.4</b>	<b>7.0</b>	<b>78.6</b>	<b>0.44</b>	<b>2968</b>	<b>22.4</b>
Locked Rotor Torque	<b>204</b>	Nm	<b>50%</b>	<b>11.0</b>	<b>14.8</b>	<b>12.9</b>	<b>85.1</b>	<b>0.66</b>	<b>2935</b>	<b>27.1</b>
Locked Rotor Current	<b>256</b>	Amps	<b>75%</b>	<b>16.5</b>	<b>22.1</b>	<b>19.2</b>	<b>86.1</b>	<b>0.78</b>	<b>2903</b>	<b>34.1</b>
Winding Resistance	<b>0.61</b>	Ohms	<b>100%</b>	<b>22.0</b>	<b>29.5</b>	<b>25.8</b>	<b>85.4</b>	<b>0.84</b>	<b>2870</b>	<b>42.7</b>
Weight (With Water)	<b>140</b>	Kg (Approximate)	<b>125%</b>	<b>27.5</b>	<b>36.9</b>	<b>32.8</b>	<b>83.7</b>	<b>0.87</b>	<b>2838</b>	<b>52.4</b>

