



# Performances ST Range

Max torque ft-lbs	Permanent Torque ft-lbs	Type	Speed rpm	T/Turn sec/tou	S4 service - D.R. : 50%					
					Power Kw	Speed rpm	Curent rated A	Curent start A	Cos φ	Efficiency %
<b>Bold defines faster delivery</b>										
44		<b>ST6</b>	13	4.52	0.12	900	0.8	1.6	0.51	37
44			19	3.23	0.12	900	0.8	1.6	0.51	37
44			28	2.14	0.44	1800	1.1	5	0.7	70
<b>44</b>			<b>36</b>	<b>1.67</b>	<b>0.44</b>	<b>1800</b>	<b>1.1</b>	<b>5</b>	<b>0.7</b>	<b>70</b>
44			55	1.09	0.44	1800	1.1	5	0.7	70
<b>44</b>			<b>73</b>	<b>0.82</b>	<b>0.60</b>	<b>3600</b>	<b>1.6</b>	<b>5</b>	<b>0.9</b>	<b>53</b>
44			110	0.55	0.60	3600	1.6	5	0.9	53
103		<b>ST14</b>	13	4.52	0.44	1800	1.1	5	0.7	70
103			19	3.23	0.44	1800	1.1	5	0.7	70
<b>103</b>			<b>28</b>	<b>2.14</b>	<b>0.60</b>	<b>1800</b>	<b>1.5</b>	<b>5</b>	<b>0.78</b>	<b>65</b>
103			36	1.67	0.60	3600	1.6	5	0.9	53
<b>103</b>			<b>55</b>	<b>1.09</b>	<b>1.80</b>	<b>3600</b>	<b>3.4</b>	<b>24</b>	<b>0.88</b>	<b>77</b>
<b>103</b>			<b>73</b>	<b>0.82</b>	<b>1.08</b>	<b>1800</b>	<b>2.7</b>	<b>14</b>	<b>0.7</b>	<b>77</b>
103			110	0.55	1.80	3600	3.4	24	0.88	77
<b>103</b>			<b>144</b>	<b>0.42</b>	<b>1.80</b>	<b>3600</b>	<b>3.4</b>	<b>24</b>	<b>0.88</b>	<b>77</b>
221		<b>ST30</b>	19	3.16	1.08	1800	2.7	14	0.7	77
221			28	2.14	1.80	1800	3.7	21	0.82	75
221			36	1.67	1.80	3600	3.4	24	0.88	77
<b>221</b>			<b>55</b>	<b>1.09</b>	<b>2.64</b>	<b>3600</b>	<b>4.4</b>	<b>33</b>	<b>0.89</b>	<b>82</b>
<b>221</b>			<b>73</b>	<b>0.82</b>	<b>2.64</b>	<b>1800</b>	<b>5.1</b>	<b>27</b>	<b>0.81</b>	<b>76</b>
221			110	0.55	2.64	3600	4.4	33	0.89	82
<b>221</b>			<b>144</b>	<b>0.42</b>	<b>2.64</b>	<b>3600</b>	<b>4.4</b>	<b>33</b>	<b>0.89</b>	<b>82</b>
516		<b>ST70</b>	19	3.16	2.64	1800	5.1	27	0.81	76
516			28	2.14	3.60	1800	7.2	37	0.79	77
516			36	1.67	3.60	3600	6.4	49	0.81	84
516			55	1.09	3.60	3600	6.4	49	0.81	84
516			73	0.82	4.80	1800	9.1	52	0.79	80
516			110	0.55	5.40	3600	9.2	69	0.85	80
480			144	0.42	5.40	3600	9.2	69	0.85	80
398			226	0.27	5.40	3600	9.2	69	0.85	80

Max torque ft-lbs	Operating Time Max	Type	Speed rpm	T/Turn sec/tou	Power Kw	S4 service - D.R. : 30%				
						Speed rpm	Curent rated A	Curent start A	Cos φ	Efficiency %
	Minutes		<b>Bold defines faster delivery</b>							
44	3	<b>ST6</b>	28	2.14	0.36	1800	6	19	0.9	57
<b>44</b>	<b>3</b>		<b>36</b>	<b>1.67</b>	<b>0.36</b>	<b>1800</b>	<b>6</b>	<b>19</b>	<b>0.9</b>	<b>57</b>
44	3		55	1.09	0.36	1800	6	19	0.9	57
<b>37</b>	<b>1 min 30</b>		<b>73</b>	<b>0.82</b>	<b>0.37</b>	<b>3600</b>	<b>11</b>	<b>37</b>	<b>0.94</b>	<b>31</b>
30	1 min 30		110	0.55	0.37	3600	11	37	0.94	31
103	4	<b>ST14</b>	13	4.52	0.37	1800	5.6	43	0.9	26
103	4		19	3.23	0.37	1800	5.6	43	0.9	63
103	4		28	2.14	0.37	1800	5.6	43	0.9	63
74	4		73	0.82	0.37	1800	5.6	43	0.9	63

## 3 PH 460 V 60 Hz Class III

Max torque ft-lbs	Permanent torque ft-lbs	Type	Speed rpm	T/Turn sec/tou	Power Kw	S4 service - D.R. : 50%				
						Speed rpm	Curent rated A	Curent start A	Cos φ	Efficiency %
			<b>Bold defines faster delivery</b>							
44	22	<b>ST6</b>	13	4.52	0.12	900	0.8	1.6	0.51	37
44	22		19	3.23	0.12	900	0.8	1.6	0.51	37
44	22		28	2.14	0.44	1800	1.1	5.0	0.70	70
<b>44</b>	<b>22</b>		<b>36</b>	<b>1.67</b>	<b>0.44</b>	<b>1800</b>	<b>1.1</b>	<b>5.0</b>	<b>0.70</b>	<b>70</b>
44	22		55	1.09	0.44	1800	1.1	5.0	0.70	70
103	52	<b>ST14</b>	13	4.52	0.44	1800	1.1	5.0	0.70	70
103	52		19	3.23	0.44	1800	1.1	5.0	0.70	70
<b>103</b>	<b>52</b>		<b>28</b>	<b>2.14</b>	<b>0.60</b>	<b>1800</b>	<b>1.5</b>	<b>5.0</b>	<b>0.78</b>	<b>65</b>
<b>103</b>	<b>52</b>		<b>73</b>	<b>0.82</b>	<b>1.08</b>	<b>1800</b>	<b>2.7</b>	<b>14.0</b>	<b>0.70</b>	<b>77</b>
221	111	<b>ST30</b>	19	3.16	1.08	1800	2.7	14.0	0.70	77
221	111		28	2.14	1.80	1800	3.7	21.0	0.82	75
<b>221</b>	<b>111</b>		<b>73</b>	<b>0.82</b>	<b>2.64</b>	<b>1800</b>	<b>5.1</b>	<b>27.0</b>	<b>0.81</b>	<b>76</b>
516	258	<b>ST70</b>	19	3.16	2.64	1800	5.1	27.0	0.81	76
516	258		28	2.14	3.60	1800	7.2	37.0	0.79	77
516	258		73	0.82	4.80	1800	9.1	52.0	0.79	80

## 1 PH 115 V 60 Hz Class III

Max torque ft-lbs	Permanent Torque ft-lbs	Type	Speed rpm	T/Turn sec/tou	Power Kw	S4 service - D.R. : 50%				Efficiency %
						Speed rpm	Curent rated A	Curent start A	Cos φ	
<b>Bold defines faster delivery</b>										
44	22	<b>ST6</b>	28	2.14	0.36	1700	6	19.0	0.9	57
<b>41</b>	<b>22</b>		<b>36</b>	<b>1.67</b>	<b>0.36</b>	<b>1700</b>	<b>6</b>	<b>19.0</b>	<b>0.9</b>	<b>57</b>
30	22		55	1.09	0.36	1700	6	19.0	0.9	57
103	52	<b>ST14</b>	13	4.52	0.37	1800	5.6	43.0	0.9	63
103	52		19	3.23	0.37	1800	5.6	43.0	0.9	63
89	52		28	2.14	0.37	1800	5.6	43.0	0.9	63
48	48		73	0.82	0.37	1800	5.6	43.0	0.9	63