

# F-1 Technical Specifications

## Appendix F: Technical Specifications

### Understanding the Product Code

#### MODEL NUMBER

The unit is fully identified using a four block alphanumeric code which records how the drive was calibrated, and its various settings when dispatched from the factory. This can also be referred to as the Product Code.

		Block 1	Block 2	Block 3	Block 4																																																																																																																								
<b>AC30 Family Drive</b>		3 1 V	4 D 0004	B F	2 S 0000																																																																																																																								
<b>Family</b>	AC30 Configured Drive AC70 Stack Only	3 7																																																																																																																											
<b>IP Rating</b>	IP20 AC Fed IP20 DC Fed	1 4																																																																																																																											
<b>Industry</b>	Industry, AC30V Versatile (AC30 Only) Industry, AC30P Advanced Inverter (AC30 Only) Industry, AC30D Advanced Inverter with dual encoder system option (AC30 Only) Industry, AC70 None (AC70 Only)	V P D 0																																																																																																																											
<b>Supply voltage:</b>	AC 380V / 480V - DC 510V / 650V		4																																																																																																																										
<b>Rating Data:</b>	<table border="1"> <thead> <tr> <th colspan="2">Normal Duty</th> <th colspan="2">Heavy Duty</th> <th>Frame Size</th> </tr> <tr> <th>kW</th> <th>hp</th> <th>kW</th> <th>hp</th> <th></th> </tr> </thead> <tbody> <tr><td>1.1</td><td>1.5</td><td>0.75</td><td>1.0</td><td>D</td></tr> <tr><td>1.5</td><td>2.0</td><td>1.1</td><td>1.5</td><td>D</td></tr> <tr><td>2.2</td><td>3.0</td><td>1.5</td><td>2.0</td><td>D</td></tr> <tr><td>3.0</td><td>(n/a)</td><td>2.2</td><td>3.0</td><td>D</td></tr> <tr><td>4.0</td><td>5.0</td><td>3.0</td><td>(n/a)</td><td>D</td></tr> <tr><td>5.5</td><td>7.5</td><td>4.0</td><td>5.0</td><td>D</td></tr> <tr><td>7.5</td><td>10</td><td>5.5</td><td>7.5</td><td>E</td></tr> <tr><td>11</td><td>15</td><td>7.5</td><td>10</td><td>E</td></tr> <tr><td>15</td><td>20</td><td>11</td><td>15</td><td>F</td></tr> <tr><td>18</td><td>25</td><td>15</td><td>20</td><td>F</td></tr> <tr><td>22</td><td>30</td><td>18</td><td>25</td><td>G</td></tr> <tr><td>30</td><td>40</td><td>22</td><td>30</td><td>G</td></tr> <tr><td>37</td><td>50</td><td>30</td><td>40</td><td>G</td></tr> <tr><td>45</td><td>60</td><td>37</td><td>50</td><td>H</td></tr> <tr><td>55</td><td>75</td><td>45</td><td>60</td><td>H</td></tr> <tr><td>75</td><td>100</td><td>55</td><td>75</td><td>H</td></tr> <tr><td>90</td><td>125</td><td>75</td><td>100</td><td>J</td></tr> <tr><td>110</td><td>150</td><td>90</td><td>125</td><td>J</td></tr> <tr><td>132</td><td>200</td><td>110</td><td>150</td><td>J</td></tr> <tr><td>160</td><td>250</td><td>132</td><td>200</td><td>K</td></tr> <tr><td>200</td><td>300</td><td>160</td><td>250</td><td>K</td></tr> <tr><td>250</td><td>350</td><td>200</td><td>300</td><td>K</td></tr> </tbody> </table>	Normal Duty		Heavy Duty		Frame Size	kW	hp	kW	hp		1.1	1.5	0.75	1.0	D	1.5	2.0	1.1	1.5	D	2.2	3.0	1.5	2.0	D	3.0	(n/a)	2.2	3.0	D	4.0	5.0	3.0	(n/a)	D	5.5	7.5	4.0	5.0	D	7.5	10	5.5	7.5	E	11	15	7.5	10	E	15	20	11	15	F	18	25	15	20	F	22	30	18	25	G	30	40	22	30	G	37	50	30	40	G	45	60	37	50	H	55	75	45	60	H	75	100	55	75	H	90	125	75	100	J	110	150	90	125	J	132	200	110	150	J	160	250	132	200	K	200	300	160	250	K	250	350	200	300	K			D 0004 D 0005 D 0006 D 0008 D 0010 D 0012 E 0016 E 0023 F 0032 F 0038 G 0045 G 0060 G 0073 H 0087 H 0105 H 0145 J 0180 J 0205 J 0260 K 0315 K 0380 K 0440	
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<b>Brake Switch</b>	Not Fitted (Frames H & J Only) Brake switch fitted			N B																																																																																																																									
<b>EMC filter</b>	None Category C3 (AC supplied only) Category C2 (AC supplied only)			N E F																																																																																																																									
<b>GKP</b>	Not Fitted Blank Fitted GKP Fitted				0 1 2																																																																																																																								
<b>Conformal Coating</b>	Standard 3C3 Enhanced				S E																																																																																																																								
<b>Special Option</b>	None				0000																																																																																																																								