



## iVQ Range Electrical Datasheet (Explosionproof)

### 24V AC and 24V DC

30% Duty Cycle, ON/OFF Control									
Model	Output Torque		Motor Power	24V AC (60Hz)			24V DC		
	N·m	lb·in	W	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)
iVQ-A	6	53	5	1.1	1.5	8	0.32	3.1	7
iVQ-B	15	132	5	1.0	1.5	19	0.28	3.1	16

75% Duty Cycle, ON/OFF & Modulating Control									
Model	Output Torque		Motor Power	24V AC (60Hz)			24V DC		
	N·m	lb·in	W	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)
iVQ-C	35	310	10	2.8	8.0	18	1.4	2.0	18
iVQ-D	50	445	10	2.8	8.0	37	1.4	2.0	36
iVQ-E	65	575	60	2.6	3.8	6	2.6	3.8	6
iVQ-F	90	800	40	3.4	11.0	18	2.8	10.0	18
iVQ-G	120	1,065	60	4.4	4.8	8	4.4	4.8	8
iVQ-H	150	1,330	40	3.1	11.0	26	2.6	10.0	27
iVQ-I	300	2,655	60	5.3	28.0	20	3.7	14.0	25
iVQ-J	400	3,540	80	9.4	30.0	20	7.7	20.0	21
iVQ-K	500	4,430	80	8.9	30.0	26	7.4	20.0	28
iVQ-L	650	5,755	80	11.1	30.0	37	9.0	20.0	37
iVQ-M	1,000	8,855	120	8.2	32.0	44	6.1	23.0	52
iVQ-N	1,500	13,280	120	11.1	30.0	55	9.0	20.0	58

**Note: 75% duty cycle is not available for iVQ-E and G ON/OFF control.**



## iVQ Range Electrical Datasheet (Explosionproof)

### 24V AC and 24V DC (continued)

50% Duty Cycle, ON/OFF & Modulating Control									
Model	Output Torque		Motor Power	24V AC (60Hz)			24V DC		
	N·m	lb·in	W	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)
iVQ-O	2,000	17,710	180	12.3	31.0	66	9.0	17.0	77
iVQ-P	2,500	22,140	180	14.6	31.0	76	11.5	17.0	84
iVQ-Q	3,000	26,565	180	16.8	48.0	68	14.9	39.0	66
iVQ-R	3,500	31,000	220	19.0	48.0	70	16.7	39.0	70



## iVQ Range Electrical Datasheet (Explosionproof)

### 110V to 120V and 220V to 240V AC

30% Duty Cycle, ON/OFF & Modulating Control									
Model	Output Torque		Motor Power	110V to 120V AC (60Hz)			220V to 240V AC (60Hz)		
	N•m	lb•in	W	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)
iVQ-A	6	53	5	0.3	0.4	8	0.3	0.3	8
iVQ-B	15	132	5	0.3	0.4	19	0.3	0.3	19
iVQ-C	35	310	10	0.7	2.0	12	0.4	3.0	15
iVQ-D	50	445	10	0.7	2.0	27	0.4	3.0	25
iVQ-E	65	575	60	1.0	2.1	6	0.6	1.0	6
iVQ-F	90	800	40	1.2	3.0	17	0.6	2.0	17
iVQ-G	120	1,065	60	1.4	3.0	8	0.7	1.2	8
iVQ-H	150	1,330	40	1.2	3.0	26	0.6	2.0	26
iVQ-I	300	2,655	60	1.9	5.0	24	0.7	3.0	23
iVQ-J	400	3,540	80	2.1	7.0	19	1.1	4.0	20
iVQ-K	500	4,430	80	2.0	7.0	26	1.0	4.0	26
iVQ-L	650	5,755	80	2.4	7.0	34	1.1	4.0	34
iVQ-M	1000	8,855	120	4.2	14.0	50	2.0	8.0	50
iVQ-N	1,500	13,280	120	4.2	15.0	51	2.0	8.0	51
iVQ-O	2,000	17,710	180	3.0	12.0	62	2.5	7.0	62
iVQ-P	2,500	22,140	180	3.2	12.0	62	2.6	7.0	62
iVQ-Q	3,000	26,565	180	3.6	12.0	62	2.7	7.0	62
iVQ-R	3,500	31,000	220	3.8	15.0	62	2.5	8.0	62

**Note: 30% duty cycle is not available for iVQ-C, D, O, P, Q and R modulating control.**



## iVQ Range Electrical Datasheet (Explosionproof)

### 110V to 120V and 220V to 240V AC (continued)

75% Duty Cycle, ON/OFF & Modulating Control									
Model	Output Torque		Motor Power	110V to 120V AC (60Hz)			220V to 240V AC (60Hz)		
	N·m	lb·in	W	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)
iVQ-C	35	310	10	0.6	3.0	18	0.4	2.0	18
iVQ-D	50	445	10	0.6	3.0	33	0.4	2.0	30
iVQ-F	90	800	40	0.6	5.0	14	0.3	3.0	14
iVQ-H	150	1,330	40	0.7	5.0	24	0.4	3.0	23
iVQ-I	300	2,655	60	1.1	6.0	22	0.5	3.0	22
iVQ-J	400	3,540	80	2.1	17.0	24	1.1	15.0	24
iVQ-K	500	4,430	80	1.9	17.0	28	1.0	15.0	28
iVQ-L	650	5,755	80	2.0	17.0	38	1.0	15.0	38
iVQ-M	1,000	8,855	120	2.0	14.0	59	1.2	10.0	59
iVQ-N	1,500	13,280	120	2.8	14.0	79	1.6	10.0	79



## iVQ Range Electrical Datasheet (Explosionproof)

### 110V to 120V AC and 220V to 240V AC (continued)

50% Duty Cycle, ON/OFF & Modulating Control									
Model	Output Torque		Motor Power	110V to 120V AC (60Hz)			220V to 240V AC (60Hz)		
	N•m	lb•in	W	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)	Run Current (A)	Lock Current (A)	Running Time (sec / 90°)
iVQ-O	2,000	17,710	180	2.7	7.0	65	1.1	12.0	72
iVQ-P	2,500	22,140	180	3.0	7.0	76	1.4	12.0	85
iVQ-Q	3,000	26,565	180	4.3	13.0	71	2.2	21.0	61
iVQ-R	3,500	31,000	220	4.5	13.0	76	2.5	21.0	65

**Note:**

Run Current: Full Load Ampere (Rated)

Lock Current: Locked Rotor Ampere