



VFD VARIABLE SPEED CONTROLS

200V/3-PHASE IN - 200V/3-PHASE OUT ELECTRICAL SPECIFICATIONS

PUMP MOTOR				VFD CONTROLS			BREAKER
HP	FULL LOAD AMPS	MAX AMPS	LOCKED ROTOR AMPS	OUTPUT MAX AMPS	REQUIRED INPUT AMPS	MODEL #	230 VAC 2-POLE MINIMUM
1	4.5	5.4	30.9	5.4	6.0	VFD-0010-203-E	15 AMP
1.5	5.8	6.8	38.2	6.8	7.0	VFD-0015-203-E	15 AMP
2	7.7	9.3	50.3	9.3	10.0	VFD-0020-203-E	15 AMP
3	10.9	12.5	69.5	12.5	13.0	VFD-0030-203-E	20 AMP
5	17.5	20.0	99.0	20.0	21.0	VFD-0050-203-E	25 AMP
7.5	25.1	28.3	150.0	28.3	31.0	VFD-0075-203-E	35 AMP
10	32.7	37.0	193.0	37.0	38.0	VFD-0100-203-E	40 AMP
15	47.8	54.4	306.0	54.4	55.0	VFD-0150-203-E	60 AMP
20	61.9	69.7	416.0	69.7	70.0	VFD-0200-203-E	70 AMP
25	77.1	86.3	552.0	86.3	90.0	VFD-0250-203-E	90 AMP
30	90.9	104.0	653.0	104.0	105.0	VFD-0300-203-E	110 AMP
40	120.0	138.0	856.0	146.0	146.0	VFD-0400-203-E	150 AMP
50	150.0	172.5	1066.0	180.0	180.0	VFD-0500-203-E	200 AMP
60	177.0	204.0	1265.0	215.0	215.0	VFD-0600-203-E	225 AMP



VFD VARIABLE SPEED CONTROLS

230V/1-PHASE IN - 230V/3-PHASE OUT ELECTRICAL SPECIFICATIONS

PUMP MOTOR				VFD CONTROLS			BREAKER
HP	FULL LOAD AMPS	MAX AMPS	LOCKED ROTOR AMPS	OUTPUT MAX AMPS	REQUIRED INPUT AMPS	MODEL #	230 VAC 2-POLE MINIMUM
1	3.9	4.7	26.9	4.7	10.0	VFD-0010-231-E	15 AMP
1.5	5.0	5.9	33.2	5.9	12.0	VFD-0015-231-E	15 AMP
2	6.7	8.1	45.0	8.1	17.0	VFD-0020-231-E	20 AMP
3	9.5	10.9	60.3	10.9	22.0	VFD-0030-231-E	25 AMP
5	15.0	17.6	86.0	17.6	36.0	VFD-0050-231-E	40 AMP
7.5	21.8	24.6	130.0	24.6	50.0	VFD-0075-231-E	50 AMP
10	28.4	32.2	172.0	32.2	65.0	VFD-0100-231-E	70 AMP
15	41.6	47.4	266.0	47.4	96.0	VFD-0150-231-E	100 AMP
20	53.8	60.6	362.0	60.6	122.0	VFD-0200-231-E	125 AMP
25	67.0	76.4	480.0	78.0	156.0	VFD-0250-231-E	175 AMP
30	79.0	90.4	568.0	91.0	182.0	VFD-0300-231-E	200 AMP



VFD VARIABLE SPEED CONTROLS

230V/3-PHASE IN - 230V/3-PHASE OUT ELECTRICAL SPECIFICATIONS

PUMP MOTOR				VFD CONTROLS			BREAKER
HP	FULL LOAD AMPS	MAX AMPS	LOCKED ROTOR AMPS	OUTPUT MAX AMPS	REQUIRED INPUT AMPS	MODEL #	230 VAC 2-POLE MINIMUM
1	3.9	4.7	26.9	4.7	5.0	VFD-0010-233-E	15 AMP
1.5	5.0	5.9	33.2	5.9	6.0	VFD-0015-233-E	15 AMP
2	6.7	8.1	45.0	8.1	9.0	VFD-0020-233-E	15 AMP
3	9.5	10.9	60.3	10.9	11.0	VFD-0030-233-E	15 AMP
5	15.0	17.6	86.0	17.6	18.0	VFD-0050-233-E	20 AMP
7.5	21.8	24.6	130.0	24.0	25.0	VFD-0075-233-E	25 AMP
10	28.4	32.2	172.0	32.0	33.0	VFD-0100-233-E	35 AMP
15	41.6	47.4	266.0	46.0	48.0	VFD-0150-233-E	50 AMP
20	53.8	60.6	362.0	60.0	61.0	VFD-0200-233-E	70 AMP
25	67.0	76.4	480.0	74.0	75.0	VFD-0250-233-E	80 AMP
30	79.0	90.4	568.0	88.0	90.0	VFD-0300-233-E	90 AMP
40	104.0	120.0	744.0	146.0	146.0	VFD-0400-233-E	150 AMP
50	130.0	150.0	930.0	180.0	180.0	VFD-0500-233-E	200 AMP
60	154.0	178.0	1100.0	180.0	180.0	VFD-0600-233-E	200 AMP



VFD VARIABLE SPEED CONTROLS

460V/1-PHASE IN - 460V/3-PHASE OUT ELECTRICAL SPECIFICATIONS

PUMP MOTOR				VFD CONTROLS			BREAKER
HP	FULL LOAD AMPS	MAX AMPS	LOCKED ROTOR AMPS	OUTPUT MAX AMPS	REQUIRED INPUT AMPS	MODEL #	460 VAC 2-POLE MINIMUM
1	2.0	2.4	13.5	2.4	5.0	VFD-0010-461-E	15 AMP
1.5	2.5	3.1	16.6	3.1	7.0	VFD-0015-461-E	15 AMP
2	3.4	4.1	22.5	4.1	9.0	VFD-0020-461-E	15 AMP
3	4.8	5.5	31.0	5.5	12.0	VFD-0030-461-E	15 AMP
5	7.5	8.8	43.0	8.8	18.0	VFD-0050-461-E	20 AMP
7.5	10.9	12.3	65.0	12.0	25.0	VFD-0075-461-E	25 AMP
10	14.2	16.1	86.0	16.0	33.0	VFD-0100-461-E	35 AMP
15	20.8	23.7	133.0	23.7	48.0	VFD-0150-461-E	50 AMP
20	26.9	30.3	181.0	30.0	61.0	VFD-0200-461-E	60 AMP
25	33.5	38.2	240.0	38.2	78.0	VFD-0250-461-E	80 AMP
30	39.5	45.2	284.0	45.0	91.0	VFD-0300-461-E	100 AMP
40	54.9	61.6	397.0	72.6	145.0	VFD-0400-461-E	150 AMP
50	68.1	78.1	414.0	85.8	172.0	VFD-0500-461-E	175 AMP
60	81.0	92.3	518.0	102.3	205.0	VFD-0600-461-E	225 AMP



VFD VARIABLE SPEED CONTROLS

460V/3-PHASE IN - 460V/3-PHASE OUT ELECTRICAL SPECIFICATIONS

PUMP MOTOR				VFD CONTROLS			BREAKER
HP	FULL LOAD AMPS	MAX AMPS	LOCKED ROTOR AMPS	OUTPUT MAX AMPS	REQUIRED INPUT AMPS	MODEL #	460 VAC 2-POLE MINIMUM
1	2.0	2.4	13.5	2.4	3.0	VFD-0010-463-E	15 AMP
1.5	2.5	3.1	16.6	3.1	4.0	VFD-0015-463-E	15 AMP
2	3.4	4.1	22.5	4.1	5.0	VFD-0020-463-E	15 AMP
3	4.8	5.5	31.0	5.5	6.0	VFD-0030-463-E	15 AMP
5	7.5	8.8	43.0	8.8	9.0	VFD-0050-463-E	15 AMP
7.5	10.9	12.3	65.0	12.0	13.0	VFD-0075-463-E	15 AMP
10	14.2	16.1	86.0	16.0	17.0	VFD-0100-463-E	20 AMP
15	20.8	23.7	133.0	23.7	24.0	VFD-0150-463-E	25 AMP
20	26.9	30.3	181.0	30.0	31.0	VFD-0200-463-E	35 AMP
25	33.5	38.2	240.0	38.2	39.0	VFD-0250-463-E	40 AMP
30	39.5	45.2	284.0	45.0	45.0	VFD-0300-463-E	45 AMP
40	54.9	61.6	397.0	61.0	62.0	VFD-0400-463-E	70 AMP
50	68.1	78.1	414.0	75.0	78.0	VFD-0500-463-E	80 AMP
60	81.0	92.3	518.0	91.0	91.0	VFD-0600-463-E	100 AMP



VFD VARIABLE SPEED CONTROLS

575V/3-PHASE IN - 575V/3-PHASE OUT ELECTRICAL SPECIFICATIONS

PUMP MOTOR				VFD CONTROLS			BREAKER
HP	FULL LOAD AMPS	MAX AMPS	LOCKED ROTOR AMPS	OUTPUT MAX AMPS	REQUIRED INPUT AMPS	MODEL #	575 VAC 2-POLE MINIMUM
1	1.6	1.9	10.8	1.9	2.0	VFD-0010-463-E	15 AMP
1.5	2.0	2.4	13.3	2.4	3.0	VFD-0015-463-E	15 AMP
2	2.7	3.2	17.8	3.2	4.0	VFD-0020-463-E	15 AMP
3	3.8	4.4	25.1	4.3	5.0	VFD-0030-463-E	15 AMP
5	6.0	7.1	34.0	6.7	8.0	VFD-0050-463-E	15 AMP
7.5	8.7	9.8	52.0	9.9	9.9	VFD-0075-463-E	15 AMP
10	11.4	12.9	69.0	12.1	12.1	VFD-0100-463-E	15 AMP
15	16.6	19.0	106.0	18.7	18.7	VFD-0150-463-E	20 AMP
20	21.5	24.2	145.0	24.2	24.2	VFD-0200-463-E	25 AMP
25	26.8	30.0	192.0	30.0	30.0	VFD-0250-463-E	30 AMP
30	31.6	45.2	227.0	36.0	36.0	VFD-0300-463-E	40 AMP
40	42.8	49.6	318.0	45.0	45.0	VFD-0400-463-E	45 AMP
50	54.2	61.6	331.0	67.0	67.0	VFD-0500-463-E	70 AMP
60	64.4	72.8	414.0	86.0	86.0	VFD-0600-463-E	90 AMP