

## P-SERIES VFD STAND ALONE - ORDERING & SIZING INFORMATION

### STAND ALONE DRIVE (200-230 V)

Single-Phase & Three-Phase

Model No.	Output Max Amps		3% Line Reactor*
	1Ø	3Ø	Model No.
CI-007-P2	12	24	KDRULB23LE01
CI-010-P2	16	32	KDRULD25LE01
CI-015-P2	24	46	KDRULD24LE01
CI-020-P2	32	60	KDRULD26LE01
CI-025-P2	37	74	KDRULC22LE01
CI-030-P2	46	88	KDRULF24LE01
CI-040-P2	60	115	KDRULF25LE01

*NOTE: Phase refers to incoming power, not motor. The drive MUST BE sized according to the motor manufacturer's maximum amperage draw. Upsize VFD for ambient temperature compensation (see VFD specs for temperature rating).*

*\*3% Line Reactors are sold separately from stand alone drives.*

### STAND ALONE DRIVE (480 V)

Single-Phase & Three-Phase

Model No.	Output Max Amps		3% Line Reactor*
	1Ø	3Ø	Model No.
CI-007-P4	6	12	KDRULA4LE01
CI-010-P4	8	16	KDRULA5LE01
CI-015-P4	12	24	KDRULB2LE01
CI-020-P4	16	30	KDRULB1LE01
CI-025-P4	19	39	KDRULD1LE01
CI-030-P4	24	45	KDRULD2LE01
CI-040-P4	30	61	KDRULC1LE01
CI-050-P4	39	75	KDRULF2LE01
CI-060-P4	45	91	KDRULF4LE01
CI-075-P4	55	110	KDRULF3LE01
CI-100-P4	75	152	KDRULH3LE01
CI-125-P4	91	183	KDRULH2LE01
CI-150-P4	110	223	KDRULH1LE01
CI-200-P4	152	264	KDRULG3LE01
CI-250-P4	183	325	KDRULG1LE01
CI-350-P4	223	432	KDRULJ2LE01
CI-400-P4	264	547	KDRULJ1LE01

*NOTE: Phase refers to incoming power, not motor. The drive MUST BE sized according to the motor manufacturer's maximum amperage draw. Upsize VFD for ambient temperature compensation (see VFD specs for temperature rating). For motor leads longer than 1000' on 200 V/230 V and 100' on 480 V, please contact Franklin Control Systems for output reactor or output filter sizing.*

*\*3% Line Reactors are sold separately from stand alone drives.*

## P-SERIES VFD STAND ALONE - ORDERING & SIZING INFORMATION

### STAND ALONE DRIVE (600 V, 3Ø)

Model No.	Output Max Amps	3% Line Reactor *
	3Ø	Model No.
CI-007-P6	9	KDRULA48LE01
CI-010-P6	12	KDRULA49LE01
CI-015-P6	17	KDRULA45LE01
CI-020-P6	23	KDRULB44LE01
CI-025-P6	27	KDRULB43LE01
CI-030-P6	34	KDRULD42LE01
CI-040-P6	43	KDRULC43LE01
CI-050-P6	55	KDRULC44LE01
CI-060-P6	64	KDRULF46LE01
CI-075-P6	80	KDRULF47LE01
CI-100-P6	104	KDRULF45LE01
CI-125-P6	128	KDRULH43LE01

*NOTE: Phase refers to incoming power, not motor. The drive MUST BE sized according to the motor manufacturer's maximum amperage draw. Upsize VFD for ambient temperature compensation (see VFD specs for temperature rating).*

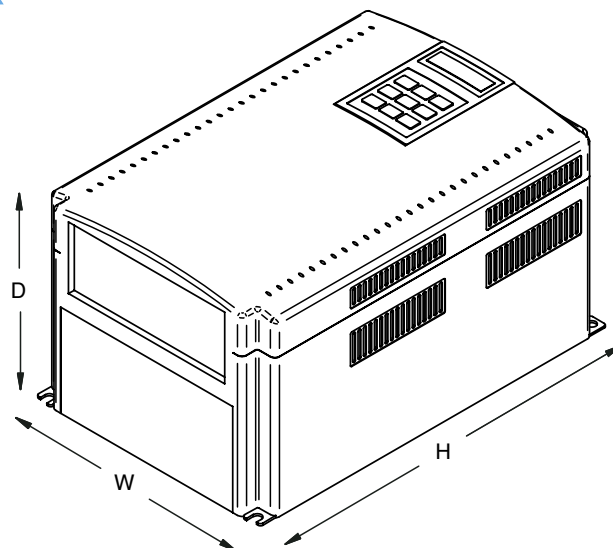
*\* 3% Line Reactors are sold separately from stand alone drives.*

## P-SERIES VFD STAND ALONE - DIMENSIONS

### SUBMERSIBLES

P-Series Drive	H	W	D
CI-007-P2	11.18	5.91	6.16
CI-007-P4			
CI-007-P6			
CI-010-P2	13.98	7.87	7.19
CI-010-P4			
CI-010-P6			
CI-015-P2	11.18	7.87	7.16
CI-015-P4			
CI-015-P6			
CI-020-P2	13.98	7.87	7.19
CI-020-P4			
CI-020-P6			
CI-025-P2	15.16	9.84	7.91
CI-025-P4			
CI-025-P6			
CI-030-P2	15.16	9.84	7.91
CI-030-P4			
CI-030-P6			
CI-040-P2	18.11	11.97	9.21
CI-040-P4			
CI-040-P6			
CI-050-P4	25.28	11.81	10.46
CI-050-P6			
CI-060-P4			
CI-060-P6			
CI-075-P4	25.28	11.81	11.52
CI-075-P6			
CI-100-P4			
CI-100-P6			
CI-125-P4	30.22	14.57	13.29
CI-125-P6			
CI-150-P4			
CI-150-P6			
CI-200-P4	30.87	20.08	16.64
CI-250-P4			
CI-350-P4			
CI-400-P4			
CI-500-P4	42.44	27.17	17.70
CI-600-P4			
CI-700-P4			

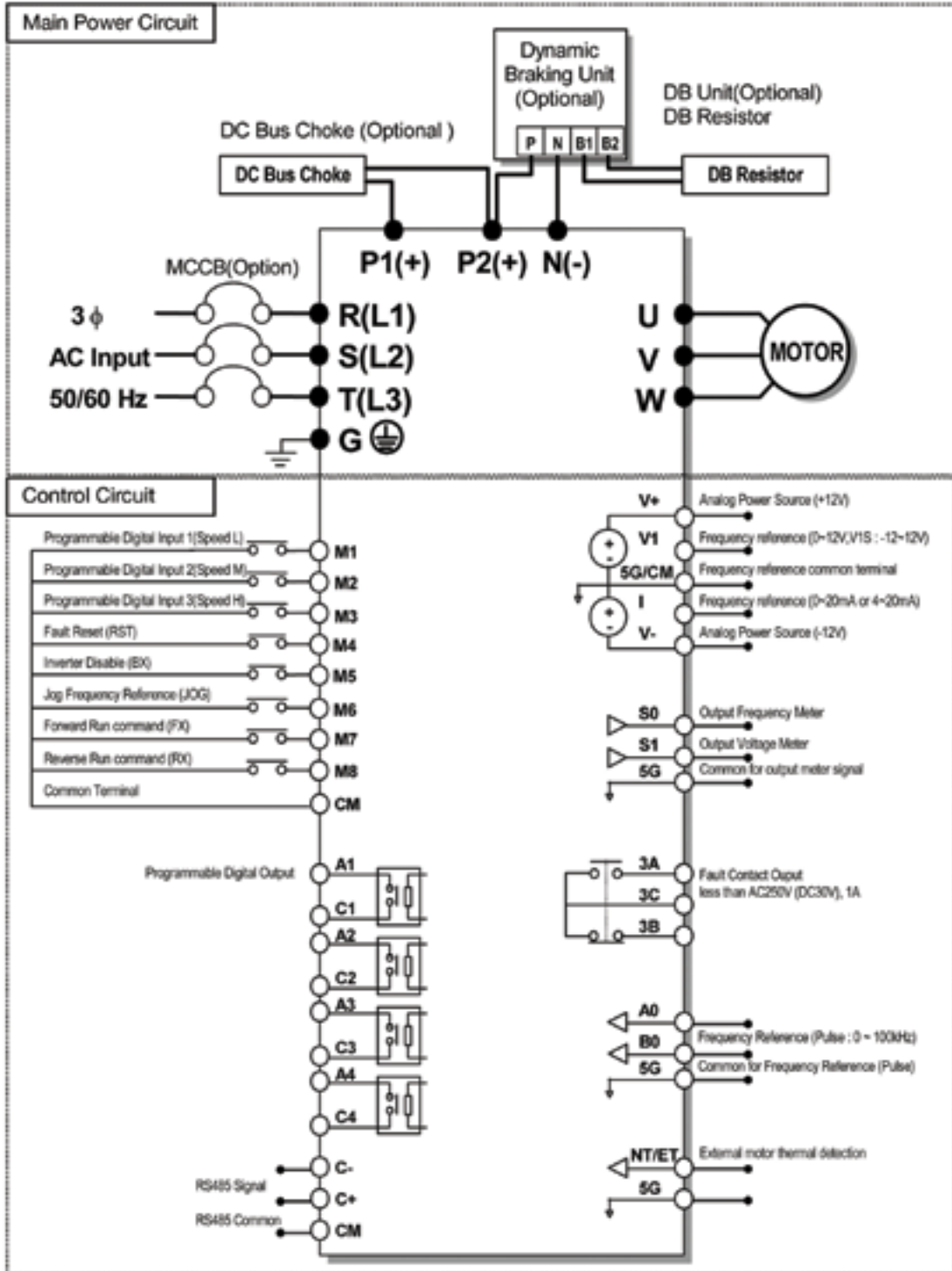
NOTE: All measurements in inches.



\* Line Reactors housed in separate UL/NEMA 1 Type Enclosure

## P-SERIES VFD STAND ALONE - WIRING DIAGRAM

5.5-90 KW (7.5-125 HP)



NOTE: 5G is common ground for analog input/output for 7.5-40 hp. 5G is common ground for analog meter output (S0, S1) and external motor thermal detection (ET). Use terminal V1 for V1, V15 (0-12 V -12-12 V) input. For general reference only, not field wiring. Consult installation instructions.

## P-SERIES VFD STAND ALONE - SPECIFICATIONS

### SPECIFICATIONS

Output Ratings	
Voltage (V)	Three-phase, 200-230 V, Three-phase, 380-480 V, Three-phase 525-600 V
Frequency (Hz)	0-120 Hz
Input Ratings	
Voltage (V)	Single- and three-phase, 200-230 V (-15%, +10%), single- and three-phase, 380-480 V (-15%, +10%), Three-phase 525-600 V (-15%,+10%)
Frequency (Hz)	50-60 Hz (±5%)
Input Power Factor	> .95 from no load to full load
Operation	
Drive Efficiency	> 96%
Control Method	V/F control, sensorless vector control
Frequency Setting Resolution	Digital reference: 0.01 Hz (below 99 Hz) & 0.1 Hz (100 Hz and over); Analog reference: 0.06 Hz at 60 Hz
Frequency Setting Accuracy	Digital: 0.01% of maximum output frequency; Analog: 0.1% of maximum output frequency
V/F Ratio	Linear, Square, User V/F
Overload Capacity	1 minute at 120%, 10 seconds at 150% (with inverse characteristic proportional to time)
Torque Boost	Auto, manual (0-15%)
Multi-Function Input Terminals	Total 8 inputs (programmable)
Analog Output	0-10 V linear
Input Signal	
Operator Control	32-character LCD keypad, Terminals, ModBus-RTU communication Optional, Profibus-DP, DeviceNet, F-Net, BACnet, LonWorks
Frequency Setting	Analog: 0-10 V, 4-20mA, additional port for Sub-Board (0-10 V); Digital: Keypad, Communication
Start Signal	Forward, reverse
Multi-Step Operation	Setting up to 17 speeds (using multi-function terminal)
Multi-Step Accel/Decel Time	0.1-6000 seconds. Maximum 8 pre-defined steps using multi-function terminals
Operational Functions	DC braking, frequency limit, frequency jump, second motor function, slip compensation, reverse rotation prevention, auto restart, inverter bypass, auto-tuning, dual PID control
Emergency Stop	Stops output from inverter
Auto Operation	Operates from internal sequence by setting multi-function terminal (5 way x 8 step)
Jog	Jog operation
Fault Reset	Resets fault signal when protective function is active
Output Signal	
Operational Status	Frequency detection, overload alarm, stall, overvoltage, undervoltage, inverter overheat, run, stop, constant speed, speed search, fault output, inverter bypass, auto-operation sequence
Indicator	Output frequency, output current, output voltage, DC voltage, output torque (output voltage: 0-10 V)
Protective Functions	
Trip	Overvoltage, undervoltage, overcurrent, inverter overheat, motor overheat, i/o-phase loss, fuse open, ground fault, external fault 1, 2, option fault, overload, speed command loss, hardware fault, communication error, etc.
Alarm	Stall, overload temperature sensor fault
Operating Environment	
Ambient Temperature	-10-40 °C (50 °C when derated 20%) or 14-104 °F (122 °F when derated 20%)
Storage Temperature	-20 -65 °C or -4-149.5 °F
Humidity	Less than 95% relative humidity maximum (non-condensing)
Vibration	Below 5.9m <sup>2</sup> /sec (=0.6g)
Altitude	Max. 3,300 ft (1000 m): derate 1% for every additional 330 ft. Derating 20% allows for installation up to 10,000 ft
Application Site	Pollution degree 2. no corrosive gas, combustible gas, oil mist or dust

## P-SERIES VFD STAND ALONE - ACCESSORIES

### LINE REACTORS 208-240 V (STAND ALONE DRIVES ONLY)

UL/NEMA 1 Enclosure

Voltage	Amps	Model No.	Description
208/240 V, 3%	3	KDRULA54LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 3 Amps
	4.2	KDRULA53LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 4.2 Amps
	5.5	KDRULA25LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 5.5 Amps
	8	KDRULA26LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 8 Amps
	10	KDRULA27LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 10 Amps
	12	KDRULA28LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 12 Amps
	19	KDRULB22LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 19 Amps
	25	KDRULB23LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 25 Amps
	34	KDRULD25LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 34 Amps
	48	KDRULD24LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 48 Amps
	62	KDRULD26LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 62 Amps
	80	KDRULC22LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 80 Amps
	100	KDRULF24LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 100 Amps
	118	KDRULF25LE01	3%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 118 Amps
208/240 V, 5%	3	KDRULA54HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 3 Amps
	5	KDRULA53HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 5 Amps
	5	KDRULA25HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 5 Amps
	7.5	KDRULA27HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 7.5 Amps
	10	KDRULA26HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 10 Amps
	11	KDRULA28HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 11 Amps
	17	KDRULB25HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 17 Amps
	26	KDRULB26HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 26 Amps
	31	KDRULD21HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 31 Amps
	47	KDRULD22HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 47 Amps
	62	KDRULC22HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 62 Amps
	75	KDRULF28HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 75 Amps
	92	KDRULF25HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 92 Amps
	114	KDRULF26HE01	5%, 208/240 V, Enclosed Type 1 Line Reactor, UL Listed, 114 Amps

## P-SERIES VFD STAND ALONE - ACCESSORIES

### LINE REACTORS 480 V (STAND ALONE DRIVES ONLY)

UL/NEMA 1 Enclosure

Voltage	Amps	Model No.	Description
480 V, 3%	1.5	KDRULA6LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 1.5 Amps
	1.6	KDRULA7LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 1.6 Amps
	2.1	KDRULA8LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 2.1 Amps
	3	KDRULA9LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 3 Amps
	6.4	KDRULA1LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 6.4 Amps
	6	KDRULA2LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 6 Amps
	9.6	KDRULA3LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 9.6 Amps
	14	KDRULA4LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 14 Amps
	14	KDRULA5LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 14 Amps
	30	KDRULB2LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 30 Amps
	30	KDRULB1LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 30 Amps
	50	KDRULD1LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 50 Amps
	45	KDRULD2LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 45 Amps
	55	KDRULC1LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 55 Amps
	65	KDRULF2LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 65 Amps
	77	KDRULF4LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 77 Amps
	110	KDRULF3LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 110 Amps
	150	KDRULH3LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 150 Amps
	165	KDRULH2LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 165 Amps
	185	KDRULH1LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 185 Amps
240	KDRULG3LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 240 Amps	
370	KDRULG2LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 370 Amps	
500	KDRULJ2LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 500 Amps	
520	KDRULJ1LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 520 Amps	
610	KDRULL2LE01	3%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 610 Amps	
480 V, 5%	1.5	KDRULA6HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 1.5 Amps
	1.6	KDRULA7HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 1.6 Amps
	2.1	KDRULA8HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 2.1 Amps
	4	KDRULA1HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 4 Amps
	6	KDRULA2HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 6 Amps
	8	KDRULA3HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 8 Amps
	12	KDRULA4HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 12 Amps
	14	KDRULA5HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 14 Amps
	27	KDRULB2HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 27 Amps
	27	KDRULC3HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 27 Amps
	35	KDRULC1HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 35 Amps
	45	KDRULE2HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 45 Amps
	60	KDRULF4HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 60 Amps
	85	KDRULFIHE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 85 Amps
	77	KDRULF2HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 77 Amps
	100	KDRULH2HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 100 Amps
	125	KDRULI2HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 125 Amps
	160	KDRULG3HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 160 Amps
	185	KDRULGIHE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 185 Amps
	240	KDRULJ1HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 240 Amps
310	KDRULL1HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 310 Amps	
365	KDRULL2HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 365 Amps	
435	KDRULL3HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 435 Amps	
480	KDRULL4HE01	5%, 480 V, Enclosed Type 1 Line Reactor, UL Listed, 480 Amps	

## P-SERIES VFD STAND ALONE - ACCESSORIES

### LINE REACTORS 600 V (STAND ALONE DRIVES ONLY)

UL/NEMA 1 Enclosure

Voltage	Amps	Model No.	Description
600 V	10.4	KDRULA48LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 10.4 Amps
	11	KDRULA49LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 11 Amps
	19.5	KDRULA45LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 19.5 Amps
	24	KDRULB44LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 24 Amps
	30	KDRULB43LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 30 Amps
	32	KDRULD42LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 32 Amps
	41	KDRULC43LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 41 Amps
	52	KDRULC44LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 52 Amps
	62	KDRULF46LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 62 Amps
	77	KDRULF47LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 77 Amps
	99	KDRULF45LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 99 Amps
	125	KDRULH43LE01	3%, 600 V, Enclosed Type 1 Line Reactor, UL Listed, 125 Amps

### OUTPUT REACTORS 480 V (STAND ALONE DRIVES ONLY)

UL/NEMA 1 Enclosure

Voltage	Amps	Model No.	Description
480 V	4	KDRULA1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 4 Amps
	6	KDRULA2PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 6 Amps
	8	KDRULA3PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 8 Amps
	12	KDRULA4PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 12 Amps
	16	KDRULB1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 16 Amps
	21	KDRULD1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 21 Amps
	27	KDRULD2PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 27 Amps
	35	KDRULD3PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 35 Amps
	45	KDRULD4PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 45 Amps
	55	KDRULC1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 55 Amps
	80	KDRULF1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 80 Amps
	80	KDRULF2PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 80 Amps
	110	KDRULF3PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 110 Amps
	130	KDRULH1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 130 Amps
	160	KDRULI1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 160 Amps
	200	KDRULI2PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 200 Amps
	250	KDRULG1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 250 Amps
	310	KDRULJ1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 310 Amps
	365	KDRULJ2PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 365 Amps
	420	KDRULL1PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 420 Amps
480	KDRULL2PE01	3%, 480 V, Enclosed Type 1 Load Reactor, UL Listed, 480 Amps	

NOTE: For motor leads longer than 1000' on 200 V/230 V and 100' on 480 V, please contact Franklin Control Systems for output reactor or output filter sizing.



## P-SERIES VFD STAND ALONE - ACCESSORIES

### OUTPUT REACTORS 600 V (STAND ALONE DRIVES ONLY)

UL/NEMA 1 Enclosure

Voltage	Amps	Model No.	Description
600 V	4	KDRULA31PE01	575 V, UL Type 1 Enclosed Output Reactor, 4 Amps
	4	KDRULA35PE01	575 V, UL Type 1 Enclosed Output Reactor, 4 Amps
	8	KDRULA33PE01	575 V, UL Type 1 Enclosed Output Reactor, 8 Amps
	12	KDRULA34PE01	575 V, UL Type 1 Enclosed Output Reactor, 12 Amps
	12	KDRULA36PE01	575 V, UL Type 1 Enclosed Output Reactor, 12 Amps
	18	KDRULD31PE01	575 V, UL Type 1 Enclosed Output Reactor, 18 Amps
	25	KDRULD32PE01	575 V, UL Type 1 Enclosed Output Reactor, 25 Amps
	27	KDRULD35PE01	575 V, UL Type 1 Enclosed Output Reactor, 27 Amps
	35	KDRULD33PE01	575 V, UL Type 1 Enclosed Output Reactor, 35 Amps
	45	KDRULD34PE01	575 V, UL Type 1 Enclosed Output Reactor, 45 Amps
	55	KDRULC31PE01	575 V, UL Type 1 Enclosed Output Reactor, 55 Amps
	80	KDRULF31PE01	575 V, UL Type 1 Enclosed Output Reactor, 80 Amps
	80	KDRULF32PE01	575 V, UL Type 1 Enclosed Output Reactor, 80 Amps
	130	KDRULH31PE01	575 V, UL Type 1 Enclosed Output Reactor, 130 Amps

### OUTPUT FILTERS (STAND ALONE DRIVES ONLY)

UL/NEMA 1 Enclosure

Voltage	Amps	Model No.	Wt. (lbs)	Description
240-600 V	2	VIK2A01	11	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	3	VIK3A01	11	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	4	VIK4A01	11	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	6	VIK6A01	11	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	8	VIK8A01	11	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	12	VIK12A01	11	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	18	VIK18A01	15	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	21	VIK21A01	15	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	25	VIK25A01	15	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	27	VIK27A01	15	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	35	VIK35A01	23	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	45	VIK45A01	23	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	55	VIK55A01	23	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	80	VIK80A01	29	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	110	VIK110A01	68	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	130	VIK130A01	83	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	160	VIK160A01	83	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	200	VIK200A01	93	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	250	VIK250A01	93	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	305	VIK305A01	117	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	362	VIK362A01	117	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	420	VIK420A01	132	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
	480	VIK480A01	138	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V
600	VIK600A01	168	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V	
750	VIK750A01	180	VIK, KLC Series Output Filter, N1 Enclosed, 240-600 V	

## P-SERIES VFD STAND ALONE - DESCRIPTION KEY

### DRIVES & CONTROLS

Code	Description	Code	Description	Code	Description
1-PH / 1Ø	Single-phase	HRN	Horn	RVS	Analog Soft Starter
3FC	Three Float Switch	J	Electronic Overload	S0	Contactora NEMA Size 00
3-PH / 3Ø	Three-phase	K	Thermal Overload	S00	Contactora NEMA Size 00
4FSw	Four Float Switch	KPD	Keypad	SOP	Contactora NEMA Size 0+
A	Amps	LED	Light Emitting Diode	S1	Contactora NEMA Size 1
AC	Alternating Current	LR	Line Reactor	S2	Contactora NEMA Size 2
Alt	Alternating	LSR	Leak Seal Relays	S3	Contactora NEMA Size 3
APX	Advanced Duplex Pump Controller	MCCB	Molded Case Circuit Breaker	S3P	Contactora NEMA Size 3+
Aux Cont	Auxiliary Contact	MCP	Motor Circuit Protector	S4	Contactora NEMA Size 4
BCN	Beacon	MCS	Multi-Contactora Starters	S5	Contactora NEMA Size 5
BZR	Buzzer	MMS	Manual Motor Starter	SSP	Contactora NEMA Size 5+
CB	Circuit Breaker	MMS Disc	Manual Motor Starter Disconnect	SCM	Starter Control Module
CB Disc	Circuit Breaker Disconnect	MS6	Digital Soft Starter	SFA	Service Factor Amps
CENP	Centrifugal	MTR	Motor	SMS	SubMonitor Connect Pump Starter
CH	Chassis	N1	NEMA 1	SPB	Start Push button
CLK	Programmable Clock	N3R	NEMA 3	SPD	Speed Potentiometer
Combination	Comes with a disconnect	N4	NEMA 4	SSP	SMARTSTART™ Starter
CPT	Control Power Transformer	N4X/N4XF	NEMA 4 Fiberglass	SPS	Standard Pump Starter
DC	Direct Current	NC	Normally Closed	STSP	Start/Stop Push button
DHM	Digital Hour Meters	NO	Normally Open	SUBP	Submersible
DPX	Duplex Alternating Pump Controller	Non-Combination	Comes without a disconnect	SW	Switch
ENET	Ethernet Cable	OF	Output Filter	TMR	Timer
EOL	Electronic Overload	OL	Overload	TOL	Thermal Overload
EPS	Economy Pump Starter	OR	Output (Load) Reactor	UL	Underwriters Laboratories
FG	Fiberglass	PCB	Printed Control Board	UPS	Universal Power Supply
FLA	Full Load Amps	PLC	Programmable Logic Controller	V	Voltage
FPL	Fault Pilot Light	PW	Part-winding	VA	Volt/Amp
HOA	Hand/Off/Auto	RLY	Relay	VFD	Variable Frequency Drive
HP	Horsepower	RPL	Run Pilot Light	WD	Wye-Delta
HZ	Hertz	RST	Reset		
G	Disconnect rating				