PENTAIR
PENTEK

INTELLIDRIVE XL

P11864WS (10-15-2022)

PRODUCT SELECTION GUIDE

PH: 866-973-6835 | ORDERS FX: 1-800-426-9446

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NOMENCLATURE

Model Number **PID 0010 1 2 FD BP -01**

Model
PID

Horsepower
0010 = 1 HP
0075 = 7.5 HP
0100 = 10 HP
1000 = 100 HP

: Horsepower is only approximate. Verify VFD size using motor Service Factor Amps. Failure to verify may result in the VFD not turning the motor at full speed or failure to start the motor.

Enclosure
0 = IP20/Open chassis
1 = NEMA 1
2 = NEMA 12
3 = NEMA 3R
4 = NEMA 4X

Voltage
2 = 230V, 1 PH
3 = 230V, 3 PH
4 = 460V, 3 PH
5 = 575V, 3 PH
9 = 460V, 1 PH

Fused Disconnect
ND = No Disconnect
SD = Standard Disconnect
FD = Fused Disconnect

Backplate
Blank = None
BP = with Backplate

Revision Code
Blank = None
-01 = First revision

APPROXIMATE DIMENSIONS

Frame Size	A2	A3	A4	A5	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	E1
Depth (in)	9	9	7	8	10	10	10	10	12	13	13	13	15	15	19
Width (in)	4	5	8	10	10	10	7	9	12	15	12	15	13	17	24
Height (in)	11	11	17	17	19	26	16	20	27	30	21	26	36	44	79

PRODUCT DETAILS

460V 1-PHASE INPUT DRIVES (VARIOUS ENCLOSURES, NO DISCONNECT)

OUTPUT AMPS^	INPUT VOLTAGE	INPUT PHASE	NEMA RATING	PENTAIR PART NUMBER	PART DESCRIPTION	WEIGHT	FRAME^^
14.5	380-480	1	1	PID010019ND	VFD NEMA 1 ND 14.5A 460V 1PH		

PRODUCT DETAILS

NEMA 1 ENCLOSURE (NO DISCONNECT)

OUTPUT AMPS^	INPUT VOLTAGE	INPUT PHASE	PENTAIR PART NUMBER	PART DESCRIPTION	WEIGHT	FRAME^^
9	525-600	3	PID007515ND	VFD NEMA 1 ND 9A 575V 3PH	15	A3
11	525-600	3	PID010015ND	VFD NEMA 1 ND 11A 575V 3PH	15	A3
18	525-600	3	PID015015ND	VFD NEMA 1 ND 18A 575V 3PH	51	B1
22	525-600	3	PID020015ND	VFD NEMA 1 ND 22A 575V 3PH	51	B1
27	525-600	3	PID025015ND	VFD NEMA 1 ND 27A 575V 3PH	51	B1
34	525-600	3	PID030015ND	VFD NEMA 1 ND 34A 575V 3PH	53	B4
41	525-600	3	PID040015ND	VFD NEMA 1 ND 41A 575V 3PH	53	B4
52	525-600	3	PID050015ND	VFD NEMA 1 ND 52A 575V 3PH	53	B4
62	525-600	3	PID060015ND	VFD NEMA 1 ND 62A 575V 3PH	99	C1
83	525-600	3	PID075015ND	VFD NEMA 1 ND 83A 575V 3PH	99	C1
100	525-600	3	PID100015ND	VFD NEMA 1 ND 100A 575V 3PH	143	C2
131	525-600	3	PID125015ND	VFD NEMA 1 ND 131A 575V 3PH	229	D1h

NEMA 1 ENCLOSURE (FUSED DISCONNECT)

OUTPUT AMPS^	INPUT VOLTAGE	INPUT PHASE	PENTAIR PART NUMBER			

PRODUCT DETAILS

NEMA 1 ENCLOSURE (FUSED DISCONNECT)

OUTPUT AMPS^	INPUT VOLTAGE	INPUT PHASE	PENTAIR PART NUMBER	PART DESCRIPTION	WEIGHT	

NEMA 4X ENCLOSURE (NO DISCONNECT)

OUTPUT AMPS^	INPUT VOLTAGE	INPUT PHASE	PENTAIR PART NUMBER	PART DESCRIPTION	WEIGHT	FRAME^^
4.6	200-240	3	PID001043NDBP	VFD NEMA 4X ND 4.6A 230V 3PH	24	A4
7.5	200-240	3	PID002043NDBP	VFD NEMA 4X ND 7.5A 230V 3PH	24	A4
10.6	200-240	3	PID003043NDBP	VFD NEMA 4X ND 10.6A 230V 3PH	24	A4
16.7	200-240	3	PID005043NDBP	VFD NEMA 4X ND 16.7A 230V 3PH	31	A5
24.2	200-240	3	PID007543NDBP	VFD NEMA 4X ND 24.2A 230V 3PH	51	B1
30.8	200-240	3	PID010043NDBP	VFD NEMA 4X ND 30.8A 230V 3PH	51	B1
46.2	200-240	3	PID015043NDBP	VFD NEMA 4X ND 46.2A 230V 3PH	51	B1
59.4	200-240	3	PID020043NDBP	VFD NEMA 4X ND 59.4A 230V 3PH	60	B2
74.8	200-240	3	PID025043NDBP	VFD NEMA 4X ND 74.8A 230V 3PH	99	C1
88	200-240	3	PID030043NDBP	VFD NEMA 4X ND 88A 230V 3PH	99	C1
115	200-240	3	PID040043NDBP	VFD NEMA 4X ND 115A 230V 3PH	99	C1
143	200-240	3	PID050043NDBP	VFD NEMA 4X ND 143A 230V 3PH	143	C2
170	200-240	3	PID060043NDBP	VFD NEMA 4X ND 170A 230V 3PH	143	C2
2.1	380-480	3	PID001044NDBP	VFD NEMA 4X ND 2.1A 460V 3PH	24	A4
3.4	380-480	3	PID002044NDBP	VFD NEMA 4X ND 3.4A 460V 3PH	24	A4
4.8	380-480	3	PID003044NDBP	VFD NEMA 4X ND 4.8A 460V 3PH	24	A4
8.0	380-480	3	PID004044NDBP	VFD NEMA 4X ND 8.0A 460V 3PH	24	A4
11	380-480	3	PID005544NDBP	VFD NEMA 4X ND 11A 460V 3PH	31	A5
14.5	380-480	3	PID007544NDBP	VFD NEMA 4X ND 14.5A 460V 3PH	31	A5
21.1	380-480	3	PID011044NDBP	VFD NEMA 4X ND 21.1A 460V 3PH	51	B1
27.4	380-480	3	PID015044NDBP	VFD NEMA 4X ND 27.4A 460V 3PH	51	B1
34.5	380-480	3	PID018544NDBP	VFD NEMA 4X ND 34.5A 460V 3PH	51	B1
40.7	380-480	3	PID022044NDBP	VFD NEMA 4X ND 40.7A 460V 3PH	60	B2
52.7	380-480	3	PID030044NDBP	VFD NEMA 4X ND 52.7A 460V 3PH	99	C1
65.9	380-480	3	PID037044NDBP	VFD NEMA 4X ND 65.9A 460V 3PH	99	C1
77.3	380-480	3	PID045044NDBP	VFD NEMA 4X ND 77.3A 460V 3PH	99	C1
96.1	380-480	3	PID055044NDBP	VFD NEMA 4X ND 96.1A 460V 3PH	143	C2
124	380-480	3	PID075044NDBP	VFD NEMA 4X ND 124A 460V 3PH	143	C2

NEMA 4X ENCLOSURE (NO DISCONNECT)

OUTPUT AMPS^	INPUT VOLTAGE	INPUT PHASE	PENTAIR PART NUMBER	PART DESCRIPTION	WEIGHT	FRAME^^
1.7	525-600	3	PID001045NDBP	VFD NEMA 4X ND 1.7A 575V 3PH	24	A4
2.7	525-600	3	PID002045NDBP	VFD NEMA 4X ND 2.7A 575V 3PH	24	A4
3.9	525-600	3	PID003045NDBP	VFD NEMA 4X ND 3.9A 575V 3PH	24	A4
6.1	525-600	3	PID005045NDBP	VFD NEMA 4X ND 6.1A 575V 3PH	24	A4
9	525-600	3	PID007545NDBP	VFD NEMA 4X ND 9A 575V 3PH	31	A5
11	525-600	3	PID010045NDBP	VFD NEMA 4X ND 11A 575V 3PH	31	A5
18	525-600	3	PID015045NDBP	VFD NEMA 4X ND 18A 575V 3PH	51	B1
22	525-600	3	PID020045NDBP	VFD NEMA 4X ND 22A 575V 3PH	51	B1
27	525-600	3	PID025045NDBP	VFD NEMA 4X ND 27A 575V 3PH	51	B1
34	525-600	3	PID030045NDBP	VFD NEMA 4X ND 34A 575V 3PH	60	B2
41	525-600	3	PID040045NDBP	VFD NEMA 4X ND 41A 575V 3PH	60	B2
52	525-600	3	PID050045NDBP	VFD NEMA 4X ND 52A 575V 3PH	60	B2
62	525-600	3	PID060045NDBP	VFD NEMA 4X ND 62A 575V 3PH	99	C1
83	525-600	3	PID075045NDBP	VFD NEMA 4X ND 83A 575V 3PH	99	C1
100	525-600	3	PID100045NDBP	VFD NEMA 4X ND 100A 575V 3PH	143	C2
131	525-600	3	PID125045NDBP	VFD NEMA 4X ND 131A 575V 3PH	143	C2

^Select drives by S.F. amps of pump motor. ^^See Page 4 for dimensions.

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LIMITED WARRANTY

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