

# OPTIDRIVE™

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## Invertek Drives

ISO 9001:2000.

60

Invertek Drives

Optidrive,

CE

(Europe), UL (USA), CTick (Australia),  
( )

## Invertek Drives

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**INVERTEK  
DRIVES**  
www.invertek.co.uk



<b>OPTIDRIVE PLUS 3<sup>EV</sup></b>	. 2 - 5
<b>OPTIDRIVE VTC</b>	. 6 - 9
<b>OPTIDRIVE E2</b>	. 10 - 13
<b>OPTIDRIVE E2 1-</b>	. 14 - 15
<b>OPTIDRIVE IP55 / NEMA 12</b>	. 16 - 17
<b>OPTIDRIVE IP66 / NEMA 4</b>	. 18 - 19

<b>(Optifilter)</b>	. 20
<b>(Optibrake)</b>	. 21
	. 22
	. 23
<b>3ROUṪ, 2ROUṪ, HVACO, LOGIP</b>	. 24
	. 25
<b>Optiport Plus / E2</b>	. 26
<b>485SP, RJ11, RJ45, 485 AD</b>	. 27

<b>Optiwand PDA / SP</b>	. 28
<b>Optistore V3</b>	. 29

<b>Ethernet, Profibus Devicenet</b>	. 30
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	. 31
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	. 32
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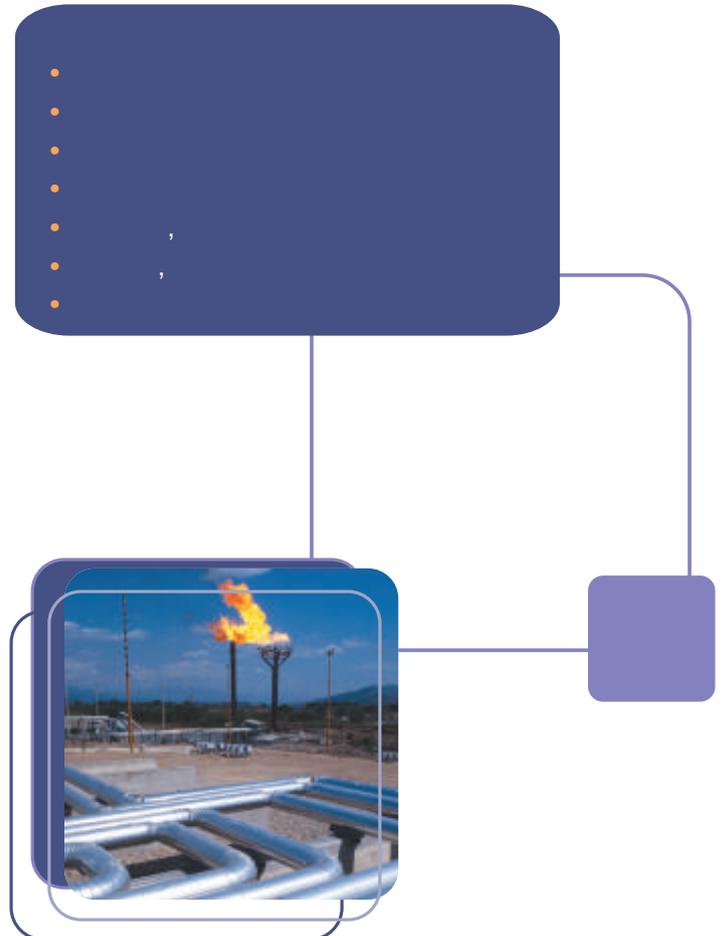
# OPTIDRIVE PLUS 3<sup>GV</sup>

3-  
3-  
0.37 - 160 , 200 - 600  
200% 0.0 ,  
( - )  
Optidrive Plus 3<sup>GV</sup> Optidrive,

Optidrive Plus 3<sup>GV</sup>  
0.0 200% ,  
Optidrive Plus 3<sup>GV</sup> Optiwand PDA,



- 
- 
- 
- 
- 50°C,
- RFI-
- 14 ( 40),
- LED-
- 32 - - -
- 150% 60 (175% 2 ),
- 
- Master – Slave
- 
- 



OPTIDRIVE PLUS 3 <sup>GV</sup>		
		150% 60 175% 2
		0...2000 48 - 62
		200 - 240 +/- 10% 1 (0.37 - 2.2 ) 200 - 240 +/- 10% 3 (1.5 - 90 ) 380 - 480 +/- 10% 1 (0.75 - 90 ) 380 - 480 +/- 10% 3 (1.5 - 160 ) 480 - 525 +/- 10% 3 (55 - 160 ) 500 - 600 +/- 10% 3 (1.5 - 45 )
		: -10 ... 50°C; : -40 ... +60°C
		0 - 2000 , 5% 100 1000
		IP20, IP55
	PC ( ) PDA ( )	
		V / F 3- (3GV Sensorless Vector) ( ) 4...32 V/F ( 1 ) / / 2 - 6 100%
		0...10 VDC +/- 10 VDC 0...24 VDC 4...20mA 0.20mA
		RS485 (Master Slave) ModBus 8
		0..3000 (2 ) 0..3000
	S- /	Optistore Plus
/	1 2/ 2 3 4 1 1	/ / / / (30 VDC 5A, 250 VAC, 6A)
		Optiport Plus
	/	HTL TTL 500
		4
	Modbus Profibus DP DeviceNet RS485 (Optibus) EN 61800-3:2004	( )
		Master - Slave.



OPTIDRIVE PLUS 3<sup>GV</sup>.

200 - 240V 1	( )	. ( )	
ODP-12037-IN	0.37	2.3	1
ODP-12075-IN	0.75	4.3	1
ODP-12150-IN	1.5	7	1
ODP-22150-IN	1.5	7	2
ODP-22220-IN	2.2	10.5	2

200 - 240V 3	( )	. ( )	
ODP3-22150-IN	1.5	7	2
ODP3-22220-IN	2.2	10.5	2
ODP-32030-IN	3	14	3
ODP-32040-IN	4	18	3
ODP-32055-IN	5.5	25	3
ODP-42075-IN	7.5	39	4
ODP-42110-IN	11	46	4
ODP-42150-IN	15	61	4
ODP-42185-IN	18.5	72	4
ODP-52220-IN	22	90	5
ODP-52300-IN	30	110	5
ODP-52370-IN	37	150	5
ODP-52450-IN	45	180	5
ODP-62055-IN	55	202	6
ODP-62075-IN	75	240	6
ODP-62090-IN	90	300	6

: 50% ;

380 - 480V 3	( )	. ( )	
ODP-24075-IN	0.75	2.2	2
ODP-24150-IN	1.5	4.1	2
ODP-24220-IN	2.2	5.8	2
ODP-24400-IN	4	9.5	2
ODP-34055-IN	5.5	14	3
ODP-34075-IN	7.5	18	3
ODP-34110-IN	11	25	3
ODP-34150-IN	15	30	3
ODP-44185-IN	18.5	39	4
ODP-44220-IN	22	46	4
ODP-44300-IN	30	61	4
ODP-44370-IN	37	72	4
ODP-54450-IN	45	90	5
ODP-54550-IN	55	110	5
ODP-54750-IN	75	150	5
ODP-54900-IN	90	180	5
ODP-64110-IN	110	202	6
ODP-64132-IN	132	240	6
ODP-64160-IN	160	300	6

: 50% ;

480 - 525V 3	( )	. ( )	
ODP-55550-IN	55	90	5
ODP-55750-IN	75	110	5
ODP-55900-IN	90	150	5
ODP-65132-IN	132	202	6
ODP-65160-IN	160	240	6
ODP-65200-IN	200	270	6

: UL

500 - 600V 3	( )	. ( )	
ODP-25075-IN*	0.75	1.7	2
ODP-25150-IN*	1.5	3.1	2
ODP-25220-IN*	2.2	4.1	2
ODP-25370-IN*	3.7	6.1	2
ODP-25550-IN*	5.5	9	2
ODP-35075-IN	7.5	14	3
ODP-35110-IN	11	18	3
ODP-35150-IN	15	24	3
ODP-45220-IN	22	39	4
ODP-45300-IN	30	46	4
ODP-45450-IN	45	62	4

OPTIDRIVE PLUS 3<sup>GV</sup>.

HP

200 - 240V 1	(HP)	. ( )	
ODP-12005-USA	0.5	2.3	1
ODP-12010-USA	1	4.3	1
ODP-12020-USA	2	7	1
ODP-22020-USA	2	7	2
ODP-22030-USA	3	10.5	2

200 - 240V 3	(HP)	. ( )	
ODP3-22020-USA	2	7	2
ODP3-22030-USA	3	10.5	2
ODP-32040-USA	4	14	3
ODP-32050-USA	5	18	3
ODP-32075-USA	7.5	25	3
ODP-42100-USA	10	39	4
ODP-42150-USA	15	46	4
ODP-42200-USA	20	61	4
ODP-42250-USA	25	72	4
ODP-52300-USA	30	90	5
ODP-52400-USA	40	110	5
ODP-52500-USA	50	150	5
ODP-52600-USA	60	180	5
ODP-62075-USA	75	202	6
ODP-62100-USA	100	240	6
ODP-62120-USA	120	300	6

: 50% ;

380 - 480V 3	(HP)	. ( )	
ODP-24010-USA	1	2.2	2
ODP-24020-USA	2	4.1	2
ODP-24030-USA	3	5.8	2
ODP-24050-USA	5	9.5	2
ODP-34075-USA	7.5	14	3
ODP-34100-USA	10	18	3
ODP-34150-USA	15	25	3
ODP-34200-USA	20	30	3
ODP-44250-USA	25	39	4
ODP-44300-USA	30	46	4
ODP-44400-USA	40	61	4
ODP-44500-USA	50	72	4
ODP-54600-USA	60	90	5
ODP-54750-USA	75	110	5
ODP-54100-USA	100	150	5
ODP-54120-USA	120	180	5
ODP-64150-USA	150	202	6
ODP-64175-USA	175	240	6
ODP-64210-USA	210	300	6

: 50% ;

500 - 600V 3	(HP)	. ( )	
ODP-25010-USA*	1	1.7	2
ODP-25020-USA*	2	3.1	2
ODP-25030-USA*	3	4.1	2
ODP-25050-USA*	5	6.1	2
ODP-25075-USA*	7.5	9	2
ODP-35100-USA	10	14	3
ODP-35150-USA	15	18	3
ODP-35200-USA	20	24	3
ODP-45300-USA	30	39	4
ODP-45400-USA	40	46	4
ODP-45600-USA	60	62	4



**OPTIDRIVE PLUS 3GV.**

( )

	(H)	(W)	(D)	( )	
1	155	80	130	1.1	2 * M4
2	260	100	175	2.6	2 * M4
3	260	171	175	5.3	4 * M4
4	520	340	220	28	4 * M8
5	1045	340	220	67	4 * M8
5 (180A)	1045	340	330	67	4 * M8
6 *	1100	340	330	55	4 * M8

\*:



OptiFilter	(RFI)	. 20
Optibrake		. 21
Input Chokes		. 22
Output Filters	( )	. 23
3ROUT	3	. 24
2ROUT	2	. 24
HVACO	2 HVAC-	. 24
LOGIP		. 24
Encoder		. 25
Optiport Plus		. 24
Network Cables	RJ11	. 26
PC Connection Kit	RS485/USB	. 27
Optiwand PDA / SP	Pocket PC / PDA	. 28
Optistore V3	PC	. 29
Fieldbus Gateway	DeviceNet, Profibus, Ethernet	. 30

# OPTIDRIVE VTC

		3-
1.5	- 160	200 - 600

Optidrive VTC

Optidrive VTC

14

Optidrive VTC

PDA,

Optiwand



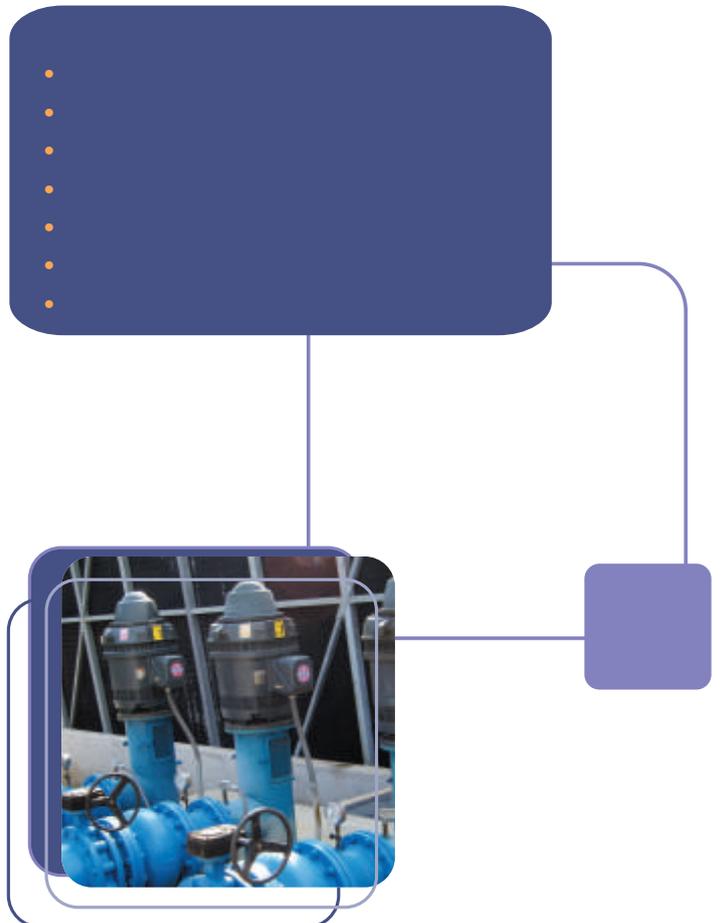
Optidrive Plus 3<sup>GV</sup>

50°C,

RFI-

EMC-

Modbus RTU



OPTIDRIVE VTC		
		110% 60 125% 2
		0...120 48 - 62
		200 - 240 +/- 10% 1 (1.5 - 2.2 ) 200 - 240 +/- 10% 3 (1.5 - 90 ) 380 - 480 +/- 10% 1 (0.75 - 90 ) 380 - 480 +/- 10% 3 (1.5 - 160 ) 480 - 525 +/- 10% 3 (55 - 160 ) 500 - 600 +/- 10% 3 (1.5 - 45 )
		: -10 ... 50°C; : -40 ... +60°C
		0 - 2000 , 5% 100 1000 IP20
	PC ( ) PDA ( )	
		V / F 4...32
	V/F	
		/ /
		100%
		0...10 VDC +/- 10 VDC 0...24 VDC 4...20mA 0..20mA
		RS485 (Master Slave) ModBus RTU 8
		0..3000 (2 ) 0..3000 Optistore Plus
/	1 2 / 2 3 4 1 1	/ / / / / (30 VDC 5A, 250 VAC, 6A)
		Optiport Plus
		4
	Modbus RTU Profibus DP DeviceNet RS485 (Optibus) EN 61800-3:2004	
		Master - Slave



OPTIDRIVE VTC.

200 - 240V 1	( )	. ( )	
ODV-22150-IN	1.5	7	2
ODV-22220-IN	2.2	10.5	2

200 - 240V 3	( )	. ( )	
ODV3-22150-IN	1.5	7	2
ODV3-22220-IN	2.2	10.5	2
ODV-32030-IN	3	14	3
ODV-32040-IN	4	18	3
ODV-32055-IN	5.5	25	3
ODV-42075-IN	7.5	39	4
ODV-42110-IN	11	46	4
ODV-42150-IN	15	61	4
ODV-42185-IN	18.5	72	4
ODV-42220-IN	22	90	4
ODV-52300-IN	30	110	5
ODV-52370-IN	37	150	5
ODV-52450-IN	45	180	5

50%

380 - 480V 3	( )	. ( )	
ODV-24150-IN	1.5	4.1	2
ODV-24220-IN	2.2	5.8	2
ODV-24400-IN	4	9.5	2
ODV-34055-IN	5.5	14	3
ODV-34075-IN	7.5	18	3
ODV-34110-IN	11	25	3
ODV-34150-IN	15	30	3
ODV-44185-IN	18.5	39	4
ODV-44220-IN	22	46	4
ODV-44300-IN	30	61	4
ODV-44370-IN	37	72	4
ODV-44450-IN	45	90	4
ODV-54550-IN	55	110	5
ODV-54750-IN	75	150	5
ODV-54900-IN	90	180	5
ODV-64110-IN	110	202	6
ODV-64132-IN	132	240	6
ODV-64160-IN	160	300	6

50%

480 - 525V 3	( )	. ( )	
ODV-55550-IN	55	110	5
ODV-55750-IN	75	150	5
ODV-55900-IN	90	180	5
ODV-65132-IN	132	202	6
ODV-65160-IN	160	240	6
ODV-65200-IN	200	270	6

UL

500 - 600V 3	( )	. ( )	
ODV-25150-IN*	1.5	3.1	2
ODV-25220-IN*	2.2	4.1	2
ODV-25370-IN*	3.7	6.1	2
ODV-25550-IN*	5.5	9	2
ODV-35075-IN	7.5	14	3
ODV-35110-IN	11	18	3
ODV-35150-IN	15	24	3
ODV-45220-IN	22	39	4
ODV-45300-IN	30	46	4
ODV-45450-IN	45	62	4

OPTIDRIVE VTC.

HP

200 - 240V 1	(HP)	. ( )	
ODV-22020-USA	2	7	2
ODV-22030-USA	3	10.5	2

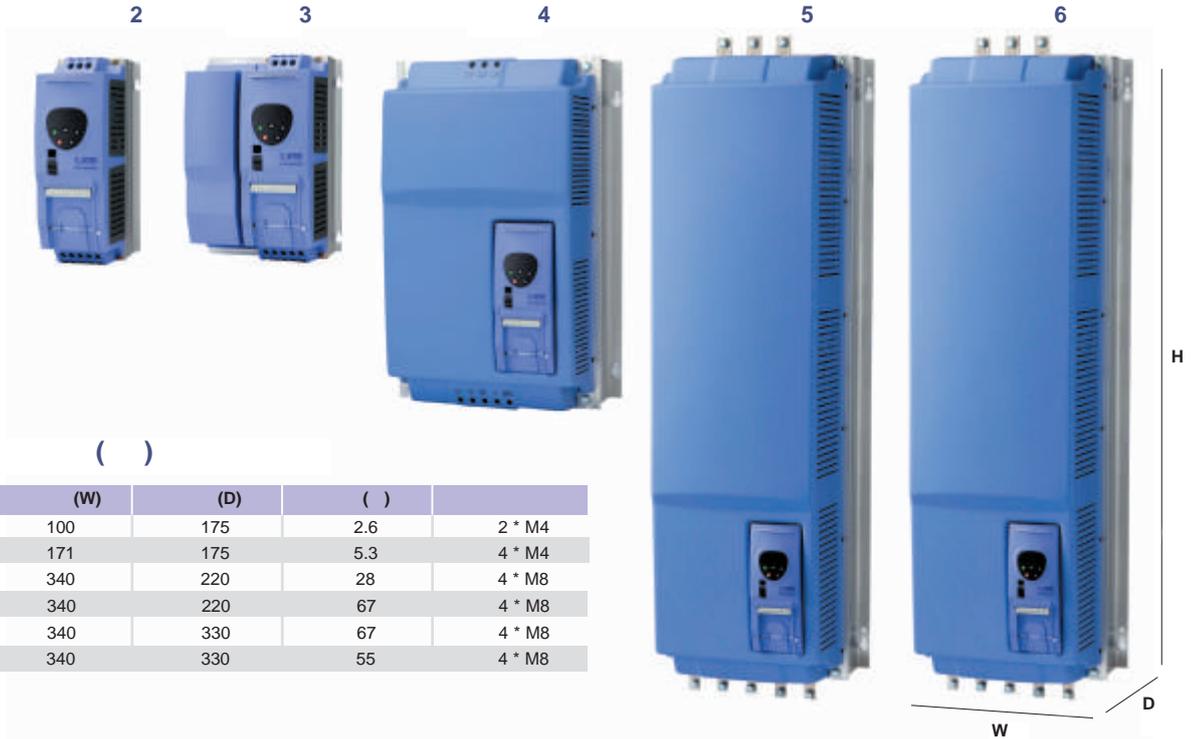
200 - 240V 3	(HP)	. ( )	
ODV3-22020-USA	2	7	2
ODV3-22030-USA	3	10.5	2
ODV-32040-USA	4	14	3
ODV-32050-USA	5	18	3
ODV-32075-USA	7.5	25	3
ODV-42100-USA	10	39	4
ODV-42150-USA	15	46	4
ODV-42200-USA	20	61	4
ODV-42250-USA	25	72	4
ODV-42300-USA	30	90	4
ODV-52400-USA	40	110	5
ODV-52500-USA	50	150	5
ODV-52600-USA	60	180	5

50%

380 - 480V 3	(HP)	. ( )	
ODV-24020-USA	2	4.1	2
ODV-24030-USA	3	5.8	2
ODV-24050-USA	5	9.5	2
ODV-34075-USA	7.5	14	3
ODV-34100-USA	10	18	3
ODV-34150-USA	15	25	3
ODV-34200-USA	20	30	3
ODV-44250-USA	25	39	4
ODV-44300-USA	30	46	4
ODV-44400-USA	40	61	4
ODV-44500-USA	50	72	4
ODV-44600-USA	60	90	4
ODV-54750-USA	75	110	5
ODV-54100-USA	100	150	5
ODV-54120-USA	120	180	5
ODV-64150-USA	150	202	6
ODV-64175-USA	175	240	6
ODV-64210-USA	210	300	6

50%

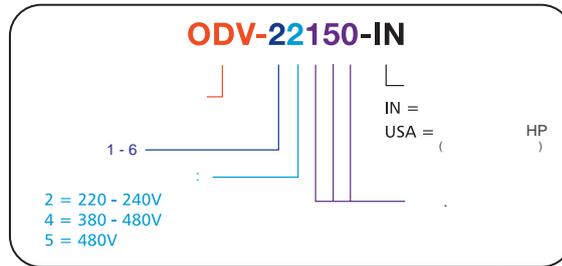
500 - 600V 3	( )	. ( )	
ODV-25020-USA*	2	3.1	2
ODV-25030-USA*	3	4.1	2
ODV-25050-USA*	5	6.1	2
ODV-25075-USA*	7.5	9	2
ODV-35100-USA	10	14	3
ODV-35150-USA	15	18	3
ODV-35200-USA	20	24	3
ODV-45300-USA	30	39	4
ODV-45400-USA	40	46	4
ODV-45600-USA	60	62	4



**OPTIDRIVE VTC.**

	(H)	(W)	(D)	( )	
2	260	100	175	2.6	2 * M4
3	260	171	175	5.3	4 * M4
4	520	340	220	28	4 * M8
5	1045	340	220	67	4 * M8
5 (180A)	1045	340	330	67	4 * M8
6*	1100	340	330	55	4 * M8

\*:



OptiFilter	(RFI)	. 20
Optibrake		. 21
Input Chokes		. 22
Output Filters	( )	. 23
3ROUT	3	. 24
2ROUT	2	. 24
HVACO	2 HVAC-	. 24
LOGIP		. 24
Optiport Plus		. 26
Network Cables	RJ11	. 27
PC Connection Kit	RS485/USB	. 27
Optiwand PDA / SP	Pocket PC / PDA	. 28
Optistore V3	PC	. 29
Fieldbus Gateway	DeviceNet, Profibus, Ethernet	. 30

# OPTIDRIVE E2

0.37	- 11	, 3-	110 - 480
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## Modbus

Optidrive E2 -

Optidrive.

Optidrive E2

14

Optidrive E2,

Optidrive E2

RFI-

50°C,

(P-00)

150% 60 175% 2

RFI-

( )

( S1)

Modbus RTU



## OPTISTICK

Optistick

RJ45

Optidrive E2:

/



OPTIDRIVE E2		
		150% 60 175% 2
		0...500 48 - 62
		110 - 115 +/- 10% 1 (0.5 - 1.5HP) 200 - 240 +/- 10% 1 (0.37 - 2.2 / 0.5 - 3HP) 200 - 240 +/- 10% 3 (0.37 - 3.7 / 0.5 - 5HP) 380 - 480 +/- 10% 3 (0.75 - 11 / 1 - 15HP)
		: -10 ... 50°C; : -40 ... +60°C
		0 - 2000 , 1% 100 1000 IP20, IP55
	PC ( ) PDA ( )	
	V/F	4...32 / / ( 1) 100%
		0...10 VDC 20...4mA 4...20mA 0..20mA ModBus RTU 4
		0..3000 (2 ) 0..3000
/	1 2 3 4 1 1	/ / / / (30 VDC 5A, 250 VAC, 6A)
		Optiport E2
		4
	Modbus Profibus DP DeviceNet RS485 (Optibus) EN 61800-3:2004	



OPTIDRIVE E2.

200 - 240V 1	( )	. ( )	
ODE-2-12037-1KB12	0.37	2.3	1
ODE-2-12075-1KB12	0.75	4.3	1
ODE-2-12150-1KB12	1.5	7	1
ODE-2-22150-1KB42	1.5	7	2
ODE-2-22220-1KB42	2.2	10.5	2

200 - 240V 3	( )	. ( )	
ODE-2-12037-3K012	0.37	2.3	1 #
ODE-2-12075-3K012	0.75	4.3	1 #
ODE-2-12150-3K012	1.5	7	1 #
ODE-2-22150-3KB42	1.5	7	2
ODE-2-22220-3KB42	2.2	10.5	2
ODE-2-32040-3KB42	4	18	3

# 1 RFI- 50%

380 - 480V 3	( )	. ( )	
ODE-2-14075-3KA12	0.75	2.2	1
ODE-2-14150-3KA12	1.5	4.1	1
ODE-2-24150-3KA42	1.5	4.1	2
ODE-2-24220-3KA42	2.2	5.8	2
ODE-2-24400-3KA42	4	9.5	2
ODE-2-34055-3KA42	5.5	14	3
ODE-2-34075-3KA42	7.5	18	3
ODE-2-34110-3KA42	11	24	3

OPTIDRIVE E2.

HP

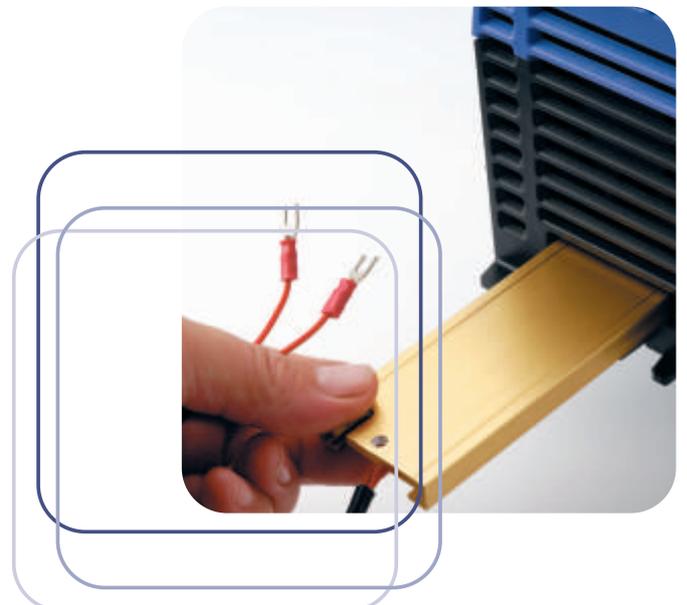
110 - 115V 1	(HP)	. ( )	
ODE-2-11005-1H012	0.5	2.3	1
ODE-2-11010-1H012	1	4.3	1
ODE-2-21015-1H042	1.5	5.8	2
:	230V, 3	( )	

200 - 240V 1	(HP)	. ( )	
ODE-2-12005-1H012	0.5	2.3	1
ODE-2-12010-1H012	1	4.3	1
ODE-2-12020-1H012	2	7	1
ODE-2-22020-1H042	2	7	2
ODE-2-22030-1H042	3	10.5	2

200 - 240V 3	(HP)	. ( )	
ODE-2-12005-3H012	0.5	2.3	1
ODE-2-12010-3H012	1	4.3	1
ODE-2-12020-3H012	2	7	1
ODE-2-22020-3H042	2	7	2
ODE-2-22030-3H042	3	10.5	2
ODE-2-32050-3H042	5	18	3

50%

380 - 480V 3	(HP)	. ( )	
ODE-2-14010-3H012	1	2.2	1
ODE-2-14020-3H012	2	4.1	1
ODE-2-24020-3H042	2	4.1	2
ODE-2-24030-3H042	3	5.8	2
ODE-2-24050-3H042	5	9.5	2
ODE-2-34075-3H042	7.5	14	3
ODE-2-34100-3H042	10	18	3
ODE-2-34150-3H042	15	24	3



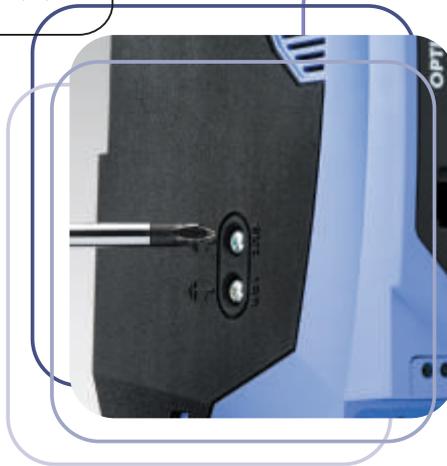
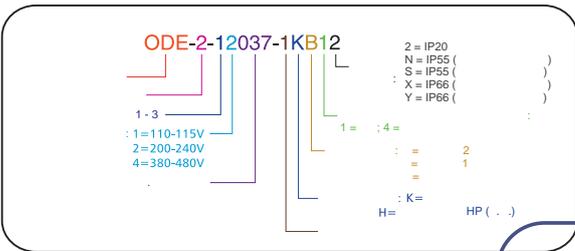


**OPTIDRIVE E2.**

( )

	(H)	(W)	(D)	( )	
1	173	82	123	1.1	4 x M4
2	221	104	150	2.6	4 x M4
3	261	131	175	4.0	4 x M4

**OPTIDRIVE E2.**



OptiFilter	(RFI)		. 20
Optibrake			. 21
Input Chokes			. 22
Output Filters	( )		. 23
2ROUT	2		. 24
HVACO	2	HVAC-	. 24
LOGIP			. 24
Optiport E2			. 26
Network Cables	RJ11		. 27
PC Connection Kit		RS485/USB	. 27
Optiwand PDA / SP		Pocket PC / PDA	. 28
Optistore V3		PC	. 29
Fieldbus Gateway		DeviceNet, Profibus, Ethernet	. 30

# OPTIDRIVE E2 SINGLE PHASE

		1-
0.37	- 1.1	110 - 240

Optidrive E2 -

Optidrive E2

(PCS)

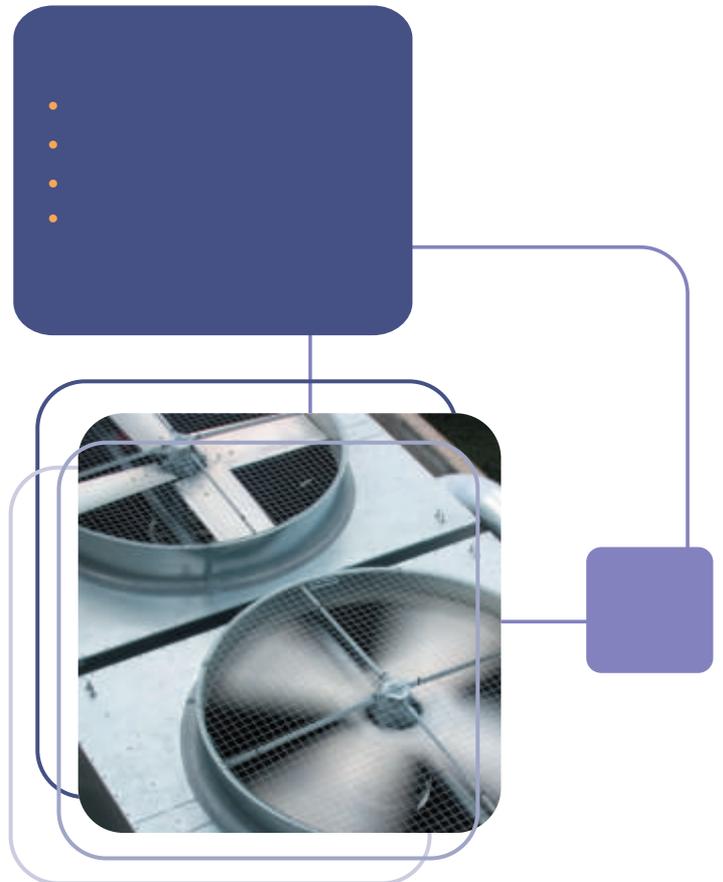
Optidrive E2

14

Optidrive E2,



- 115V 220V
- /
- 50°C
- ( / )
- (P-00)
- 150% 60 175% 2
- RFI- ( )
- ( S1)
- Modbus RTU

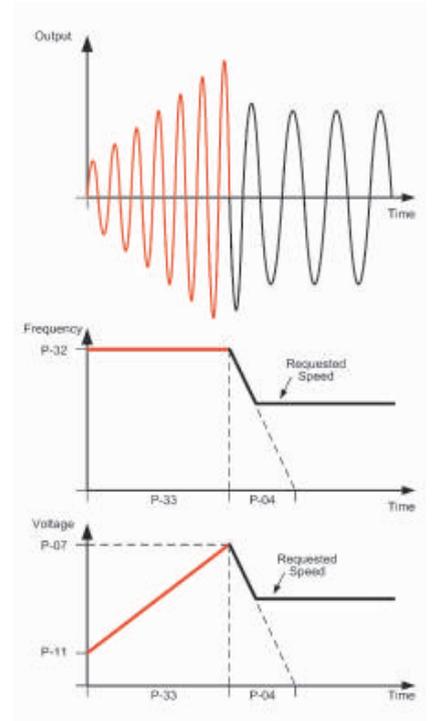


## OPTIDRIVE E2 Single Phase. ( )

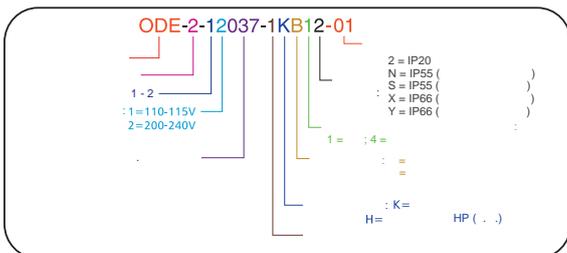
	(H)	(W)	(D)	( )	
1	173	82	123	1.1	4 x M4
2	221	104	150	2.6	4 x M4

OPTIDRIVE E2 SINGLE PHASE		
		150% 60 175% 2 0...120
		48 - 62 110 - 115 +/- 10% 1 (0.5 - 1HP) 200 - 240 +/- 10% 1 δ (0.37 - 1.1 / 0.5 - 1.5HP)
		-10 ... 50°C; -40 ... +60°C 0 - 2000 , 1% 100 1000 IP20, IP55
	PDA ( )	
	V/F	V / F
		/ / ( 1)
		100%
		0...10 VDC 0...24 VDC 4...20mA 0...20mA
		ModBus 4
		0..3000 (2 ) 0..3000
	1 2 3 4 1 1	/ / / / (30 VDC 5A, 250 VAC, 6A)
	Operating Display Remote mount	Output Frequency, Current, Rpm and User Scalable values Optional Optiport E2 remote mounting keypad
		4
	Modbus Profibus DP DeviceNet RS485 (Optibus)	

, Optidrive E2



**OPTIDRIVE E2 Single Phase**



**OPTIDRIVE E2 SINGLE PHASE.**

200 - 240V 1	( )	( )	
ODE-2-12037-1KB12-01	0.37	4.3	1
ODE-2-12075-1KB12-01	0.75	7	1
ODE-2-22110-1KB42-01	1.1	10.5	2

**OPTIDRIVE E2 SINGLE PHASE.**

**HP**

110 - 115V 1	(HP)	( )	
ODE-2-11005-1H012-01	0.5	7	1
ODE-2-21010-1H012-01	1	10.5	2

200 - 240V 1	(HP)	( )	
ODE-2-12005-1H012-01	0.5	4.3	1
ODE-2-12010-1H012-01	1	7	1
ODE-2-22015-1H042-01	1.5	10.5	2



**OPTIDRIVE E2 IP55.**

N = Non-Switched ( ) IP55 S = Switched ( )

200 - 240V 1	( )	. ( )	
ODE-2-12037-1KB1#	0.37	2.3	1
ODE-2-12075-1KB1#	0.75	4.3	1
ODE-2-12150-1KB1#	1.5	7	1
ODE-2-22150-1KB4#	1.5	7	2
ODE-2-22220-1KB4#	2.2	10.5	2

200 - 240V 3	( )	. ( )	
ODE-2-12037-3K01#	0.37	2.3	1 #
ODE-2-12075-3K01#	0.75	4.3	1 #
ODE-2-12150-3K01#	1.5	7	1 #
ODE-2-22150-3KB4#	1.5	7	2
ODE-2-22220-3KB4#	2.2	10.5	2
ODE-2-32040-3KB4#	4	18	3

# 1 RFI- 50%

380 - 480V 3	( )	. ( )	
ODE-2-14075-3KA1#	0.75	2.2	1
ODE-2-14150-3KA1#	1.5	4.1	1
ODE-2-24150-3KA4#	1.5	4.1	2
ODE-2-24220-3KA4#	2.2	5.8	2
ODE-2-24400-3KA4#	4	9.5	2
ODE-2-34055-3KA4#	5.5	14	3
ODE-2-34075-3KA4#	7.5	18	3

**OPTIDRIVE 3<sup>EV</sup> IP55.**

N = Non-Switched ( ) IP55 S = Switched ( )

200 - 240V 1	( )	. ( )	
ODP-12037-IN-#	0.37	2.3	1
ODP-12075-IN-#	0.75	4.3	1
ODP-12150-IN-#	1.5	7	1
ODP-22150-IN-#	1.5	7	2
ODP-22220-IN-#	2.2	10.5	2

200 - 240V 3 Phase	( )	. ( )	
ODP3-22150-IN-#	1.5	7	2
ODP3-22220-IN-#	2.2	10.5	2

380 - 480V 3	( )	. ( )	
ODP-24075-IN-#	0.75	2.2	2
ODP-24150-IN-#	1.5	4.1	2
ODP-24220-IN-#	2.2	5.8	2
ODP-24400-IN-#	4	9.5	2

500 - 600V 3	( )	. ( )	
ODP-25075-IN-#*	0.75	1.7	2
ODP-25150-IN-#*	1.5	3.1	2
ODP-25220-IN-#*	2.2	4.1	2
ODP-25370-IN-#*	3.7	6.1	2
ODP-25550-IN-#*	5.5	9	2

\*:

**OPTIDRIVE IP55.**

	(H)	(W)	(D)		( )
1	200	140	162	2 x M4	2.4
2	310	165	176	4 x M4	4.6
3	310	210.5	243	4 x M4	7.4

**OPTIDRIVE E2 IP55.**

**HP**

110 - 115V 1	(HP)	. ( )	
ODE-2-11005-1H01#	0.5	2.3	1
ODE-2-11010-1H01#	1	4.3	1
ODE-2-21015-1H04#	1.5	5.8	2

: 230V, 3 ( )

200 - 240V 1	(HP)	. ( )	
ODE-2-12005-1H01#	0.5	2.3	1
ODE-2-12010-1H01#	1	4.3	1
ODE-2-12020-1H01#	2	7	1
ODE-2-22020-1H04#	2	7	2
ODE-2-22030-1H04#	3	10.5	2

200 - 240V 3	(HP)	. ( )	
ODE-2-12005-3H01#	0.5	2.3	1
ODE-2-12010-3H01#	1	4.3	1
ODE-2-12020-3H01#	2	7	1
ODE-2-22020-3H04#	2	7	2
ODE-2-22030-3H04#	3	10.5	2
ODE-2-32050-3H04#	5	18	3

: 50%

380 - 480V 3	(HP)	. ( )	
ODE-2-14010-3H01#	1	2.2	1
ODE-2-14020-3H01#	2	4.1	1
ODE-2-24020-3H04#	2	4.1	2
ODE-2-24030-3H04#	3	5.8	2
ODE-2-24050-3H04#	5	9.5	2
ODE-2-34075-3H04#	7.5	14	3
ODE-2-34100-3H04#	10	18	3

**OPTIDRIVE 3<sup>EV</sup> IP55.**

**HP**

200 - 240V 1	(HP)	. ( )	
ODP-12005-USA-#	0.5	2.3	1
ODP-12010-USA-#	1	4.3	1
ODP-12020-USA-#	2	7	1
ODP-22020-USA-#	2	7	2
ODP-22030-USA-#	3	10.5	2

200 - 240V 3	(HP)	. ( )	
ODP3-22020-USA-#	2	7	2
ODP3-22030-USA-#	3	10.5	2

380 - 480V 3	(HP)	. ( )	
ODP-24010-USA-#	1	2.2	2
ODP-24020-USA-#	2	4.1	2
ODP-24030-USA-#	3	5.8	2
ODP-24050-USA-#	5	9.5	2

500 - 600V 3	(HP)	. ( )	
ODP-25010-USA-#*	1	1.7	2
ODP-25020-USA-#*	2	3.1	2
ODP-25030-USA-#*	3	4.1	2
ODP-25050-USA-#*	5	6.1	2
ODP-25075-USA-#*	7.5	9	2

\*:

# OPTIDRIVE IP66 / NEMA 4X

0.37 - 7.5 , 3- 110 - 480 



IP66/NEMA 4X

0.37 7.5 Optidrive E2



- IP66/NEMA 4
- Optistick
- EN61800-3

Modbus RTU

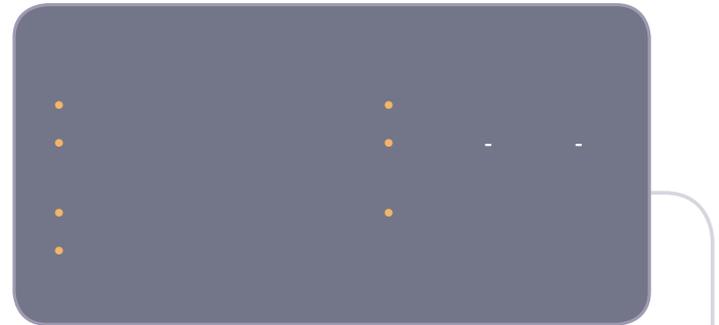


- (Fwd/Rev)

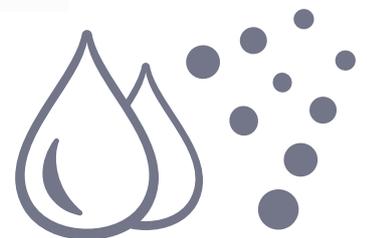
IP66

IP66

NEMA 4X



2



OPTIDRIVE IP66 / NEMA 4X.

110 – 115V ± 10 % 1-			/ 3-			230V HP			( )		
									HP	(A)	
-	-	-	-	-	-	ODE-2-11005-1H01#	0.5	2.3	1		
-	-	-	-	-	-	ODE-2-11010-1H01#	1	4.3	1		
-	-	-	-	-	-	ODE-2-21015-1H04#	1.5	5.8	2		

200 – 240V ± 10 % 1-			HP								
									HP	(A)	
ODE-2-12037-1KB1#	ODE-2-12037-1K01#	0.37	ODE-2-12005-1HB1#	ODE-2-12005-1H01#	0.5	2.3	1				
ODE-2-12075-1KB1#	ODE-2-12075-1K01#	0.75	ODE-2-12010-1HB1#	ODE-2-12010-1H01#	1	4.3	1				
ODE-2-12150-1KB1#	ODE-2-12150-1K01#	1.5	ODE-2-12020-1HB1#	ODE-2-12020-1H01#	2	7	1				
ODE-2-22150-1KB4#	ODE-2-22150-1K04#	1.5	ODE-2-22020-1HB4#	ODE-2-22020-1H04#	2	7	2				
ODE-2-22220-1KB4#	ODE-2-22220-1K04#	2.2	ODE-2-22030-1HB4#	ODE-2-22030-1H04#	3	10.5	2				

200 – 240V ± 10 % 3-			HP								
									HP	(A)	
-	ODE-2-12037-3K01#	0.37	-	ODE-2-12005-3H01#	0.5	2.3	1				
-	ODE-2-12075-3K01#	0.75	-	ODE-2-12010-3H01#	1	4.3	1				
-	ODE-2-12150-3K01#	1.5	-	ODE-2-12020-3H01#	2	7	1				
ODE-2-22150-3KB4#	ODE-2-22150-3K04#	1.5	ODE-2-22020-3HB4#	ODE-2-22020-3H04#	2	7	2				
ODE-2-22220-3KB4#	ODE-2-22220-3K04#	2.2	ODE-2-22030-3HB4#	ODE-2-22030-3H04#	3	10.5	2				
ODE-2-32040-3KB4#	ODE-2-32040-3K04#	4.0	ODE-2-32050-3HB4#	ODE-2-32050-3H04#	5	18	3				

380 – 480V ± 10 % 3-			HP								
									HP	(A)	
ODE-2-14075-3KA1#	ODE-2-14075-3K01#	0.75	ODE-2-14010-3HA1#	ODE-2-14010-3H01#	1	2.2	1				
ODE-2-14150-3KA1#	ODE-2-14150-3K01#	1.5	ODE-2-14020-3HA1#	ODE-2-14020-3H01#	2	4.1	1				
ODE-2-24150-3KA4#	ODE-2-24150-3K04#	1.5	ODE-2-24020-3HA4#	ODE-2-24020-3H04#	2	4.1	2				
ODE-2-24220-3KA4#	ODE-2-24220-3K04#	2.2	ODE-2-24030-3HA4#	ODE-2-24030-3H04#	3	5.8	2				
ODE-2-24400-3KA4#	ODE-2-24400-3K04#	4	ODE-2-24050-3HA4#	ODE-2-24050-3H04#	5	9.5	2				
ODE-2-34055-3KA4#	ODE-2-34055-3K04#	5.5	ODE-2-34075-3HA4#	ODE-2-34075-3H04#	7.5	14	3				
ODE-2-34075-3KA4#	ODE-2-34075-3K04#	7.5	ODE-2-34100-3HA4#	ODE-2-34100-3H04#	10	18	3				

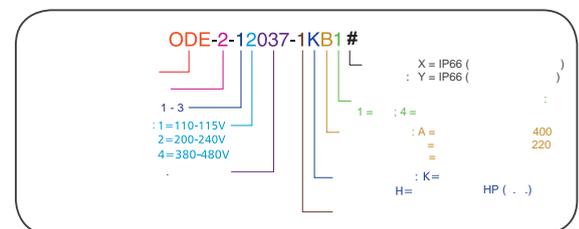
X : # Y



OPTIDRIVE IP66 / NEMA 4X.

	h ( )	w ( )	d ( )	( )	( )
1	232	161	175	2.8	4 M4
2	257	188	187	4.6	4 M4
3	310	210.5	243	7.4	4 M4

		150% .60 ;175% .2
		0...500
	y	48 – 62
		110– 115V ± 10 % 1- . (0.5 – 1.5 HP) 200 – 240V ± 10 % 1- . (0.37 – 2.2 / 0.5 – 3 HP) 200 – 240V ± 10 % 3- . (0.37 – 3.7 / 0.5 – 5 HP) 380 – 480V ± 10 % 3- . (0.75 – 7.5 / 1 – 10 HP)
		: -10 ... 40°C max : -40 ... 60°C
		0 – 2000 ( 100 1%) 1000
		IP66 / NEMA 4X( )
		4...32
	V / F	
		/ /
		( 2 3);
		100 %
		0...10V DC 20...4mA 4...20mA
		Modbus
		4
		0...600 (2 ) 0...600
/	Input 1, Input 2	
	Input 3, Input 4	/
	Output 1	/
	Relay 1	(30V DC 5A, 250V AC, 6A)
		Optiport E2 remote mounting
		4
	Modbus RTU	
	Profibus DP	
	DeviceNet	
	RS485 (Optibus)	
	EN 61800-3:2004	



# OPTIFILTER

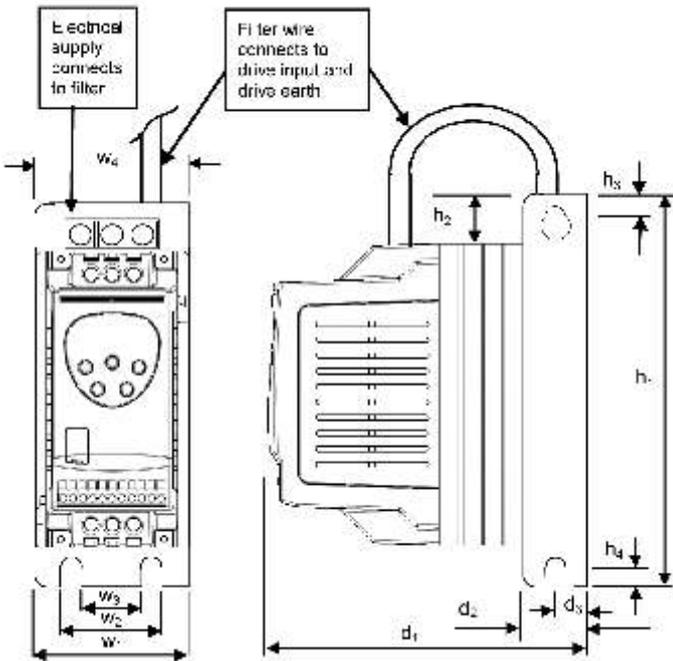
## RFI-

Optidrive

1, 2 3

( )

: Optidrives  
(EN 61000),



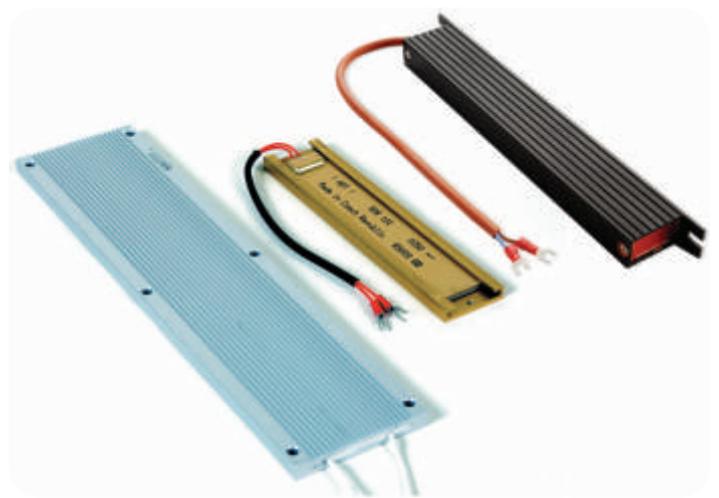
		1	1	2	2	3
OD-xxxxx		F1121	F1341	F2121	F2341	F3341
+/- 10%	V	220-240	220-480	220-240	220-480	220-480
		1	3	1	3	3
	A	16	6	25	16	30
	mA	<1.6	<30	<1.6	<30	<30
	W1	90	90	114	114	186.60
	W2	65.50	65.50	75.50	75.50	148
	W3	54.50	54.50	64.50	64.50	137
	W4	60	60	70	70	146.60
	h1	200	200	300	300	300
	h2	30	30	20	20	20
	h3	5.50	5.50	5.50	5.50	6.22
	h4	6.50	6.50	6.50	6.50	6.50
	d1	175	175	225	225	225
	d2	46	46	51	51	51
	d3	23	23	25.60	25.60	-
	( )	0.5	0.5	0.9	0.9	0.9

# OPTIBRAKE

Optidrive 2 - 6

Optibrake  
Optidrive.

. Optibrake



## – IP20

- Optidrive Optibrake
- 
- 
- 
- 
- /

## – IP20

**: OD-BR100-IN**  
: 100 , 200 , 12 . 0.125  
: 188 x 40 x 9

: 2 3

**: OD-BRES4-IN**  
: 33 , 500 , 21 . 0.125  
: 330 x 80 x 10

: 4, 5 6

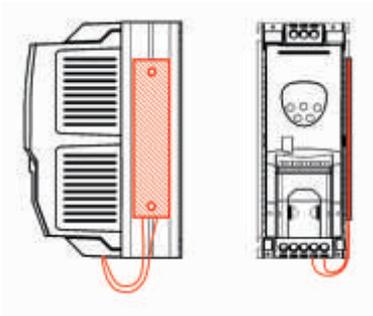
## – IP21

- IP21,
- 
- 
- 
- 

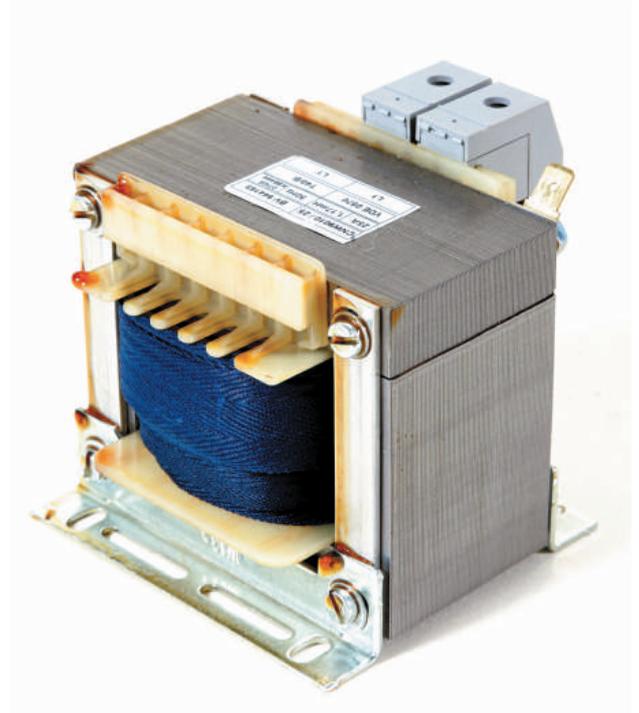
## – IP55

**: OPT-BR050-IN-I55**  
: 50 , 200 , 12 . 0.125  
: 250 x 21 x 40

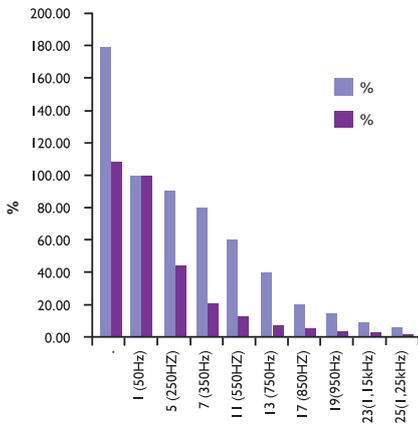
: 2 3



## Optidrive



Optidrive ( )  
Optidrive  
Optidrive  
Optidrive  
3. Optidrive 4, 5 6 Optidrive 3- 1, 2



(50 )  
4

### - IP20

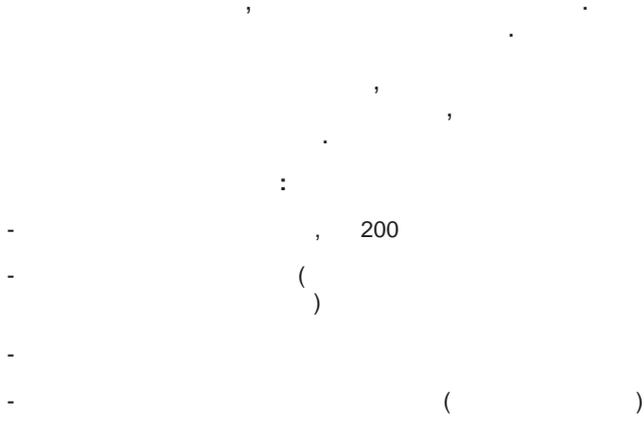
	Optidrive			H ( )	L ( )	W ( )	( )
OD-IL121-IN	1	<230	1	80	78	78	1.1
OD-IL221-IN	2	<230	1	95	85	80	1.8
OD-IL143-IN	1	<500	3	115	95	65	2.3
OD-IL243-IN	2	<500	3	160	155	105	3.5
OD-IL343-IN	3	<500	3	220	190	80	8.4

### - IP55

	Optidrive			H ( )	L ( )	W ( )	( )
OD-IL121-IN-I55	1	<230	1	130	151	85	1.6
OD-IL221-IN-I55	2	<230	1	135	155	85	2.3
OD-IL163-IN-I55	1	<600	3	170	151	85	2.8
OD-IL263-IN-I55	2	<600	3	197	175	99	3.5
OD-IL363-IN-I55*	3	<600	3	197	175	114	7

\* 5.5

Optidrive,

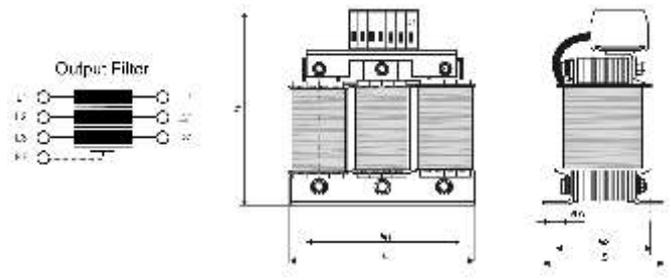


200

**Optidrive**

< 200V/μs

< 1000V



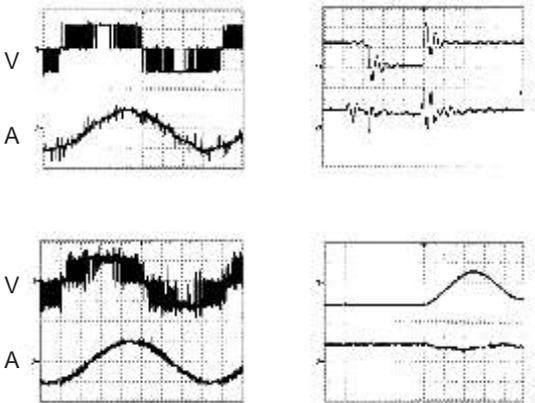
**- IP20**

	Optidrive		H ( )	L ( )	W ( )	( )
OD-OUTF1-IN	1	<500	112	95	70	1.5
OD-OUTF2-IN	2	<500	158	125	76	2.8
OD-OUTF3-IN	3	<500	185	155	76	4.2
OD-OUTF4-IN	4	<500	223	190	92	8.6
OD-OUTF5-IN	5	<500	260	310	180	30
OD-OUTF6-IN	6	<500	310	380	180	48

**- IP55**

	Optidrive		H ( )	L ( )	W ( )	( )
OPT-OUTF1-IN-IP55	1	<600	151	151	85	1.7
OPT-OUTF2-IN-IP55	2	<600	170	151	87	3.2
OPT-OUTF3-IN-IP55*	3	<600	170	151	85	3.2

\* 5.5



## 3ROUT

3ROUT

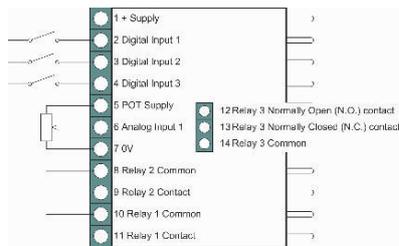
2

-

- : 250V AC/ 220V DC
- : 1A
- : +/- 50V DC
- : IP00, UL94V-0
- : -10 C ... +50 C
- : 56 x 33 ( ) x 14



**ODP-3ROUT**



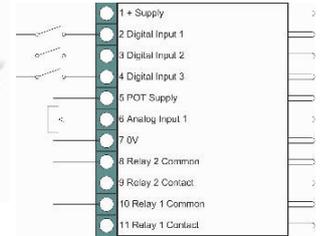
## 2ROUT

2ROUT

- : 250V AC/ 220V DC
- : 1A
- : +/- 50V DC
- : IP00, UL94V-0
- : -10 C ... +50 C
- : 56 x 33 ( ) x 14



**ODP-2ROUT**



## HVACO

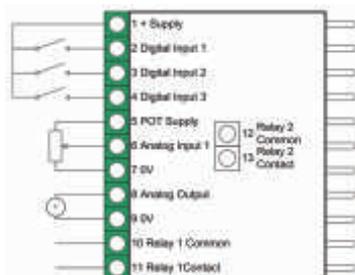
HVACO

2

- : 250V AC/ 220V DC
- : 1A
- : +/- 50V DC
- : IP00, UL94V-0
- : -10 C ... +50 C
- : 56 x 33 ( ) x 14



**OPT-HVACO**



## LOGIP

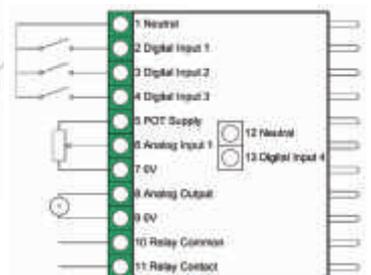
220

110

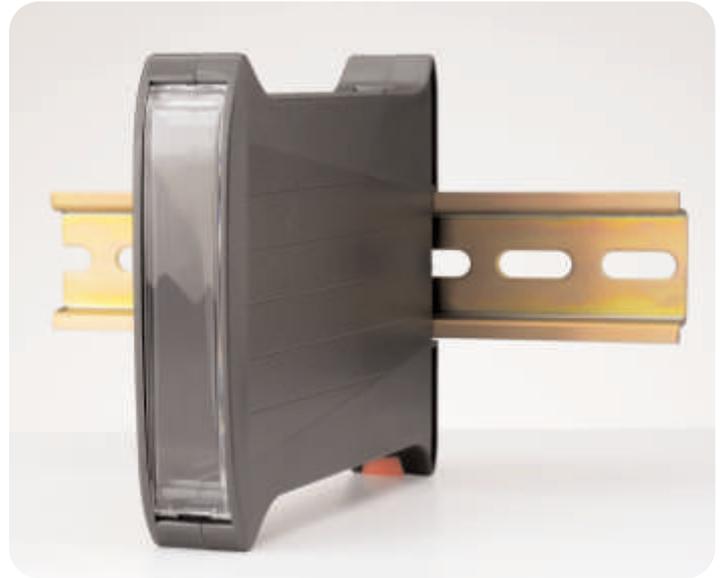
- : OPT-LOGIP-11: 110...120VAC+ /- 10%
- : OPT-LOGIP-23: 200...240VAC+ /- 10%
- : IP00, UL94V-0
- : -10 C ... +50 C
- : 56 x 33 ( ) x 14



**OPT-LOGIP-11  
OPT-LOGIP-23**



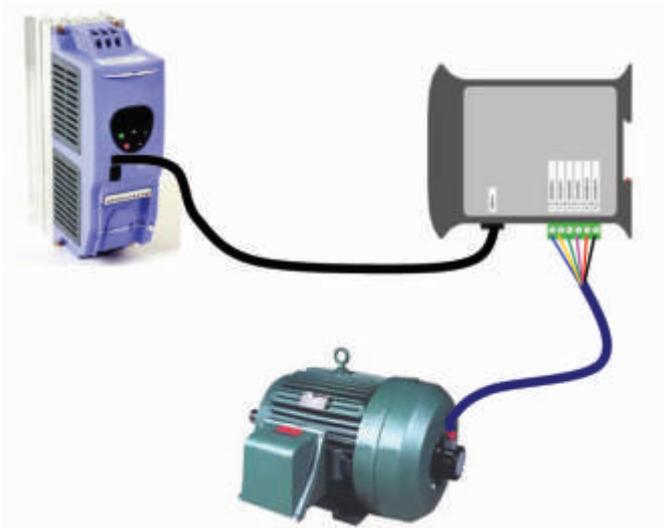
Optidrive Plus  
Optidrive Plus



- “ ” RJ11 Optidrive Plus,
- Optidrive Plus 3GV-L
- /
- / -
- : 500
- LED-
- 



- : (L \* W \* H) 120 \* 23 \* 102
- : +24V RJ11
- : 5 VDC, 200mA
- 12 - 24VDC
- : 0 ... 50°C
- : 0 ... 60°C
- DIN-
- : IP00
- : CE



ODP-ENCOD



# 485SP

## RS485

RJ11 RJ45 RS485

: OD-485SP (RJ11 1 2 )  
OPT-RJ45SP(RJ45 1 2 )



### OPTIDRIVE PLUS VTC

: OD-48503  
RJ11 - RJ11 RS485 , 0.3 ,

: OD-48510  
RJ11 - RJ11 RS485 , 1.0 ,

: OD-48530  
RJ11 - RJ11 RS485 , 3.0 ,

### OPTIDRIVE E2

: OPT-J4505  
RJ45 - RJ45 RS485 , 0.5 ,

: OPT-J4510  
RJ45 - RJ45 RS485 , 1.0 ,

: OPT-J4530  
RJ45 - RJ45 RS485 , 3.0 ,



# 485AD

## RS485

485AD - USB RS485, Optistore Plus

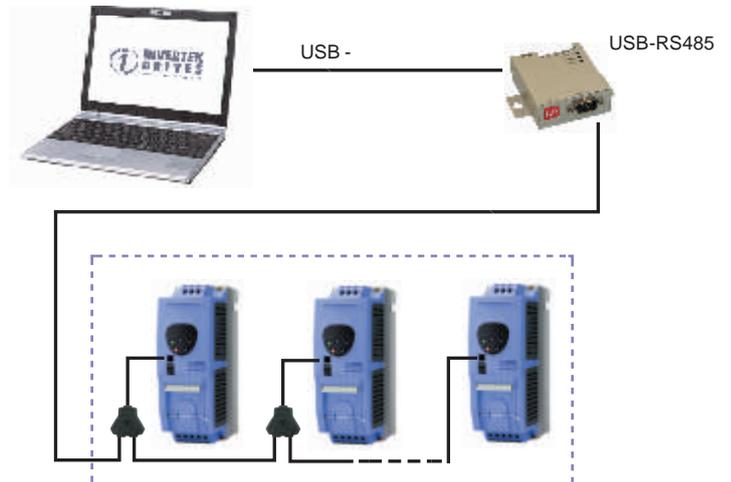
: OD-485AD



- USB-
- Optistore Plus PC software
- 
- 



- USB-485
- 
- - Optistore Plus
- USB-
- DB9 – RJ11
- CD c Windows



# OPTIWAND PDA OPTIWAND SP

Optiwand -

Windows CE.

Optiwand PDA

Pocket PC (PDA)

Optiwand SP



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Optiwand SP Optiwand PDA

Windows Mobile 5.0



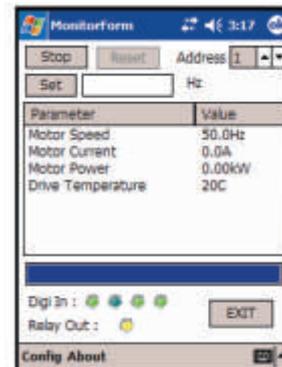
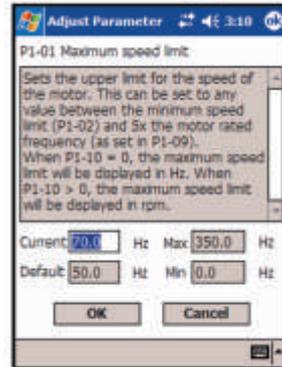
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Optiwand

[www.invertek.co.uk](http://www.invertek.co.uk)



- Optiwand SP - Optidrive E2
- Optiwand PDA - Optidrive E2, Plus, VTC



# OPTISTORE V3

Optistore V3 - Windows

Optidrive

Optistore V3 - Optistore Plus,

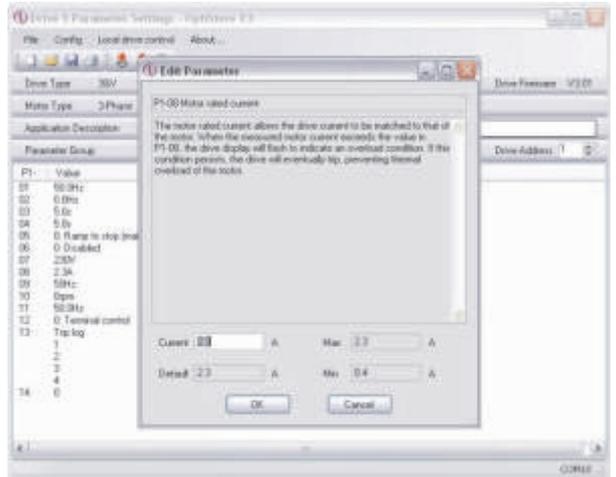
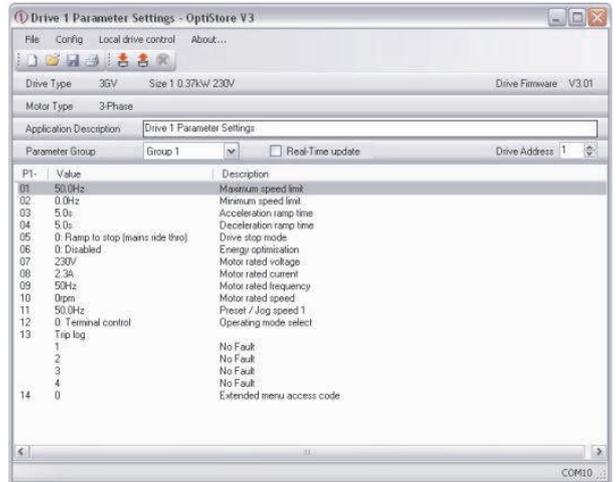
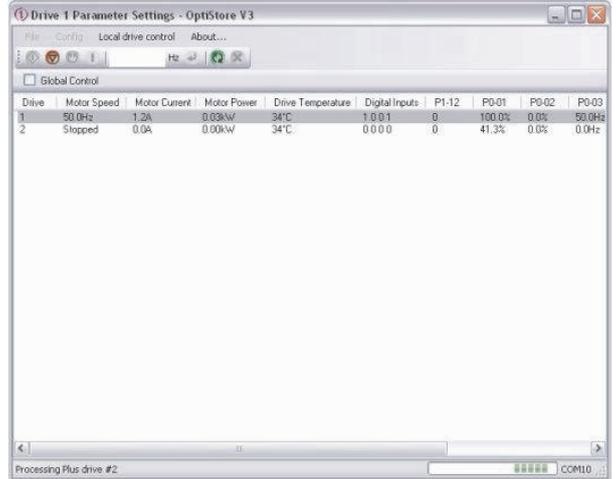
Optiwand PDA

Microsoft Word; \*.rtf \*.txt.

Optidrive

Optistore V3

- Optidrive Plus 3GV (IP NEMA)
- Optidrive VTC
- Optidrive E2 (1- IP NEMA)
- Optidrive Compact



	Windows Vista; Windows XP
	400 MHz Pentium ( ); 1 GHz Pentium ( )
	96MB ( ); 256MB ( )
	2 MB
	800 600, 256 ( ); 1024 768 , 32- ( )
	Microsoft .NET Framework 3.5 , OptiStore Microsoft website NET framework
	Optidrive RS485 . USB RS485 ( : OD-485AD)

## Optidrive

### Ethernet



MODBUS RTU RS485, Optidrive  
Invertek.

: 120 x 75 x 27 (L x W x H)  
4.72 x 2.95 x 1.06" (L x W x H)

: 24V ± 10% :  
.280 , .100

: : 0°C ... + 55°C :  
: -5°C ... + 85°C

: DIN- , DIN-  
: IP20

: CE, UL cUL



OD-PROFB-IN	Profibus DP	Profibus-RJ45 - 9 D-	RJ11 - 9 D-	4	8
OD-DEVNET-IN	DeviceNet	DeviceNet - RJ45 - 9 D-	RJ11 - 9 D-	4	4
OD-ETHNET-IN	Ethernet	Ethernet - RJ45 - 9 D-	RJ11 - 9 D-	4	4

( ).

: (RJ11) Invertek Optidrive Plus VTC, Optidrive Plus (VTC)

, (RJ45)

Optidrive E2.

			ODE	ODE-2	ODP	VTC
OD-F1121	OPTIFILTER,	1, 220 – 240V, 1- ., RFI-	•	•	•	•
OD-F2121	OPTIFILTER,	2, 220 – 240V, 1- ., RFI-	•	•	•	•
OD-F1341	OPTIFILTER,	1, 220 – 240V, 3- ., RFI-	•	•	•	•
OD-F2341	OPTIFILTER,	2, 220 – 240V, 3- ., RFI-	•	•	•	•
OD-F3341	OPTIFILTER,	3, 220 – 240V, 3- ., RFI-		•	•	•
OD-BR100		, 2, 100 , 200		•	•	•
OD-BRES4		, 4, 33 , 500			•	•
OPT-BR050-IN-I55	IP55	, 2, 50 , 200		•	•	•
OD-IL121		, 1, 220 – 240V, 1- ., IP00	•	•	•	•
OD-IL221		, 2, 220 – 240V, 1- ., IP00	•	•	•	•
OD-IL143		, 1, 380 – 480V, 3- ., IP00	•	•	•	•
OD-IL243		, 2, 380 – 480V, 3- ., IP00	•	•	•	•
OD-IL343		, 3, 380 – 480V, 3- ., IP00		•	•	•
OD-IL121-IN-I55		, 1, 220 – 240V, 1- ., IP55	•	•	•	•
OD-IL221-IN-I55		, 2, 220 – 240V, 1- ., IP55	•	•	•	•
OD-IL163-IN-I55		, 1, <600V, 3- ., IP55	•	•	•	•
OD-IL263-IN-I55		, 2, <600V, 3- ., IP55	•	•	•	•
OD-IL363-IN-I55		, 3, <600V, 3- ., IP55		•	•	•
OD-OUTF1		, 1, 480V, IP00	•	•	•	•
OD-OUTF2		, 2, 480V, IP00	•	•	•	•
OD-OUTF3		, 3, 480V, IP00		•	•	•
OD-OUTF4		, 4, 480V, IP00			•	•
OD-OUTF5		, 5, 480V, IP00			•	•
OD-OUTF6		, 6, 480V, IP00			•	•
OD-OUTF1-I55		, 1, 480 – 600V, IP55	•	•	•	•
OD-OUTF2-I55		, 2, 480 – 600V, IP55	•	•	•	•
OD-OUTF3-I55		, 3, 480 – 600V, IP55		•	•	•
ODP-PICON	-	(+24V )		•	•	•
ODE-PICON	-	(+10V )	•			
OPT-HVACO		HVAC		•	•	•
ODE-2ROUT	2	(+10V )	•			
ODP-2ROUT	2	(+24V )		•	•	•
ODP-3ROUT	3				•	•
OPT-LOGIP-11	110V			•	•	•
OPT-LOGIP-23	230V			•	•	•
ODP-ENCOD					•	
OPT-OPORT	OPTIPOINT E2,			•		
OD-OPRTP	OPTIPOINT PLUS,				•	•
OPT-J4505	RJ45	, 0.5		•		
OPT-J4510	RJ45	, 1.0		•		
OPT-J4530	RJ45	, 3.0		•		
OPT-J45SP	RJ45			•		
OD-48503	RJ11	, 0.3			•	•
OD-48510	RJ11	, 1.0			•	•
OD-48530	RJ11	, 3.0			•	•
OD-485SP	RJ11	( RJ11 )			•	•
OD-485AD		( Optistore V3)		•	•	•
OD-OWDCE	OPTIWAND,	Pocket PC		•	•	•
OPT-STICK	OPTISTICK			•		
OD-PROFB	PROFIBUS			•	•	•
OD-DEVNET	DEVICENET			•	•	•
OD-ETHNET	ETHERNET			•	•	•





**INVERTEK  
DRIVES**  
www.invertek.co.uk



IP55



OPTIDRIVE -

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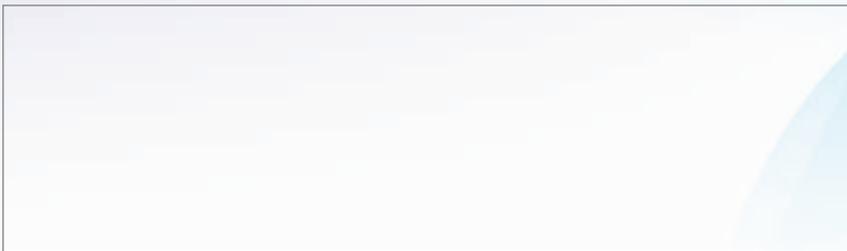
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# Global drive solutions...

60



85-IDLBR-00 Stock Drives Catalogue V3.2



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Invertek Drives Ltd