



Product Brochure

AC motor speed control products
and peripherals for the motion
and automation control industries



**The Motor Control
Warehouse**

The motor speed control experts

www.motorcontrolwarehouse.co.uk

Rev 1

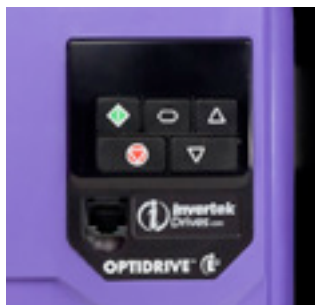
The Motor Control Warehouse

The motor speed control experts



Welcome to the Motor Control Warehouse brochure

This brochure gives you details of the products we supply although this is not an exhaustive list. If you can't see what you require, why not give us a call and we will see if we can help.



About us

At the Motor Control Warehouse, we specialise in motor speed control products. We supply AC inverter drives, motors, gearboxes, soft starters and many more associated speed control products.

The Motor Control Warehouse also designs and manufactures motor speed control systems from a simple 'star delta starter in a box' or 'drive in a box' to bespoke automation systems with a HMI and PLC. We can also develop software to control the system to your specification.

The Motor Control Warehouse prides itself on excellent before and after sales customer service and technical support to make sure you choose the correct product for your application and that you get your system up and running with minimal delay.

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HEDY HD700

AC Inverter drive



HEDY HD700 General purpose AC inverter drive for controlling the speed of three phase AC motors. Easy to use and set up but packed full of extra features.

230V single or 230V 3 phase input, 230V 3 phase output, IP20

Part number	Frame size	kW	Output current	In-built EMC Filter	Built in braking transistor
HD700-20D00040	A	0.4	2.8	Yes	Yes
HD700-20D00075	A	0.75	5	Yes	Yes
HD700-20D00150	A	1.5	8	Yes	Yes
HD700-20D00220	B	2.2	11	Yes	Yes
HD700-20D00400	C	4	17.6	Yes	Yes

400V 3 phase input, 400V 3 phase output, IP20

Part number	Frame size	kW	Output current	In-built EMC Filter	Built in braking transistor
HD700-40T00075	A	0.75	2.5	Yes	Yes
HD700-40T00150	A	1.5	4.2	Yes	Yes
HD700-40T00220	B	2.2	5.8	Yes	Yes
HD700-40T00400	B	4	9.5	Yes	Yes
HD700-40T00550	C	5.5	13	Yes	Yes
HD700-40T00750	C	7.5	17	Yes	Yes
HD700-40T01100	D	11	25	Yes	Yes
HD700-40T01500	D	15	32	Yes	Yes
HD700-40T01850	E	18.5	38	Yes	Yes
HD700-40T02200	E	22	46	Yes	Yes
HD700-40T03000	F	30	60	Yes	Yes
HD700-40T03700	F	37	75	Yes	Yes
HD700-40T04500	F	45	96	Yes	Yes
HD700-40T05500	F	55	125	Yes	Yes
HD700-40T07500	F	75	156	Yes	Yes
HD700-40T09000	G	90	180	Yes	Yes



Options

Part number	Description
HDOM-232	RS232 to RS485 converter to connect between PC and HD700
HDOM-USB	USB to RS485 converter to connect between PC and HD700
HDOM-IO-Logic	Extra Input/Output option module
HDOM-RM-Keypad	Remote keypad with in-built speed potentiometer
Keypad pallet	Keypad pallet for through hole mounting of keypad on cabinet door
HEDYCom	PC commissioning software

Sizes & Weights

IP20 / Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
A	203	98	149	1.4
B	221	143	156	2.2
C	300	163	177	4.5
D	370	239	189	8.8
E	436	239	200	12.1
F	573	356	316	40
G	725	446	355	63

Key features

- Cost effective
- Robust & reliable design
- Easy to use
- Feature rich to aid set up of more complex applications
- High number of input/output terminals
- Removable keypad
- Modbus RTU serial communications as standard
- Optional keypad with speed potentiometer
- HEDYcom PC commissioning software

Optidrive E3

AC Inverter drive



Optidrive E3 is a general purpose AC inverter drive for applications from 0.37 to 22kW. Easy to use with simple set up for precise motor control.

- IP20 for panel mounting.
- IP66 for mounting where dust-tight operation is required or in washdown environments.

230V single phase input, 230V 3 phase output

Part number	Frame size	kW	Output current	In-built EMC Filter	Built in braking transistor
ODE-3-120023-1F1#	1	0.37	2.3	Yes	No
ODE-3-120043-1F1#	1	0.75	4.3	Yes	No
ODE-3-120070-1F1#	1	1.5	7	Yes	No
ODE-3-220070-1F4#	2	1.5	7	Yes	Yes
ODE-3-220105-1F4#	2	2.2	10.5	Yes	Yes
ODE-3-320153-104#	3	4	15.3	No	Yes

= Enclosure type: **2** = IP20, **X** = IP66 Non-switched, **Y** = IP66 switched

400V 3 phase input, 400V 3 phase output

Part number	Frame size	kW	Output current	In-built EMC Filter	Built in braking transistor
ODE-3-140022-3F1#	1	0.75	2.2	Yes	No
ODE-3-140041-3F1#	1	1.5	4.1	Yes	No
ODE-3-240041-3F4#	2	1.5	4.1	Yes	Yes
ODE-3-240058-3F4#	2	2.2	5.8	Yes	Yes
ODE-3-240095-3F4#	2	4	9.5	Yes	Yes
ODE-3-340140-3F4#	3	5.5	14	Yes	Yes
ODE-3-340180-3F4#	3	7.5	18	Yes	Yes
ODE-3-340240-3F4#	3	11	24	Yes	Yes
ODE-3-440300-3F42	4	15	30	Yes	Yes
ODE-3-440390-3F42	4	18.5	39	Yes	Yes
ODE-3-440460-3F42	4	22	46	Yes	Yes

= Enclosure type: **2** = IP20, **X** = IP66 Non-switched, **Y** = IP66 switched



Options

Part number	Description
OPT-2-STICK-IN	Optistick - Parameter cloning tool and Bluetooth connection to E3
OPT-2-OPPAD-IN	Optipad - Remote keypad with OLED display
OPT-2-OPORT-IN	Optiport 2 - Remote keypad with LED display
OPT-J45SP-IN	3 way RJ45 cable splitter
OD-BR100-IN	100ohm internal braking resistor for E3 size 2 & 3
ODE-3-LOCMO-IN	E3 commissioning mouse
USB-RS485 Cable	USB to RS485/Modbus converter cable
Optitools Studio	Invertertek Optidrive PC software

Sizes & Weights

IP20 / Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
1	173	83	123	1.0
2	221	110	150	1.7
3	261	131	175	3.2
4	420	171	212	9.1
IP66 / Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
1	232	161	170	3.1
2	257	188	187	4.1
3	310	210.5	252	7.6

Key features

- Easy to use
- Compact & robust
- Simple commissioning
- Application macros for industrial, pump and fan control
- Modbus RTU & CANopen serial communications as standard
- Bluetooth connectivity using Optistick
- Optitools Studio PC commissioning software
- Controls the following motor types:
 - IE2, IE3 & IE4 motors
 - Induction motors
 - AC permanent magnet motors
 - Brushless DC motors
 - Synchronous reluctance motors

Danfoss FC51

AC Inverter drive



The Danfoss FC51 Micro Drive is a general purpose AC inverter drive for applications from 0.37 to 7.5kW. The small drive with high performance.

230V single phase input, 230V 3 phase output, IP20

Part number	Frame size	kW	Output current	In-built EMC Filter	Built in braking transistor
132F0002	M1	0.37	2.2	Yes	No
132F0003	M1	0.75	4.2	Yes	No
132F0005	M2	1.5	6.8	Yes	Yes
132F0007	M3	2.2	9.6	Yes	Yes

400V 3 phase input, 400V 3 phase output, IP20

Part number	Frame size	kW	Output current	In-built EMC Filter	Built in braking transistor
132F0017	M1	0.37	1.2	Yes	No
132F0018	M1	0.75	2.2	Yes	No
132F0020	M2	1.5	3.7	Yes	Yes
132F0022	M2	2.2	5.3	Yes	Yes
132F0024	M3	3.0	7.2	Yes	Yes
132F0026	M3	4.0	9	Yes	Yes
132F0028	M3	5.5	12	Yes	Yes
132F0030	M3	7.5	15.5	Yes	Yes



Options

Part number	Description
132B0100	FC51 display without on-board potentiometer (LCP 11)
132B0101	FC51 display with on-board potentiometer (LCP 12)
132B0102	Keypad remote mounting kit
N/A	Din rail mounting kit
N/A	Type 1 mounting kit
N/A	IP21 mounting kit
N/A	EMC De-coupling plate
N/A	VLT Motion Control Tool MCT 10 Set up software

Sizes & Weights

IP20 / Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
M1	150	70	148	1.1
M2	180	75	90	1.6
M3	239	90	194	3.0

Key features

- FC51 Micro Drive shares the user-friendliness of the VLT family
- Plug and play – minimum effort, minimum time
- Minimum Commissioning – save time
- Copy settings via local control panel – simple set up of multiple drives
- Intuitive parameter structure – minimal manual reading
- Optimum heat dissipation – longer lifetime
- High quality electronics/capacitors – low lifetime cost
- All drives full load tested from factory – high reliability
- Earth fault, temperature and short circuit protection – lean operation
- Circuit boards well protected and coated – increased robustness

PFE

Soft Start



Used to start three phase AC motors on light load industrial applications (Trip Class 5 as standard).

400V 3 phase input, 400V 3 phase output, IP20

Part number	Frame size	kW	Output current
PFE-02	1	2.2	5
PFE-04	1	3	7
PFE-06	1	4	9
PFE-08	1	5.5	12
PFE-10	1	7.5	16
PFE-12	2	11	22
PFE-14	2	15	30
PFE-16	2	18	36
PFE-18	2	22	41

Sizes & Weights

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
1	140	45	120	1
2	165	55	120	1.3

Requires 24VDC power supply for control circuitry:

DRA18-24:

100 - 240VAC single phase input, 24VDC 18W output (can be used for up to 3 x PFE Soft Starters).

WRA120-24:

400 - 500VAC 3 phase input, 24VDC 120W output.

Optional cooling fan:

Size 1: PFEFAN01

Size 2: PFEFAN02

Requires external thermal overload relay for motor thermal protection.

Key features

- Easy to use
- DIN rail mountable
- Enable & Start/Stop inputs
- Fault relay output
- Internal bypass relay
- Over current protection
- Start & Stop ramp time potentiometers

DFE

Soft Start



Used to start three phase AC motors on light to medium load industrial applications (Trip class 5 as standard)

400V 3 phase input, 400V 3 phase output, IP20

Part number	Frame size	kW	Output current (A)
DFE-02	1	11	22
DFE-04	1	15	29
DFE-06	1	22	41
DFE-08	1	30	55
DFE-12	2	37	66
DFE-14	2	45	80
DFE-16	2	55	97
DFE-22	3	75	132
DFE-24	3	90	160

Sizes & Weights

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
1	140	135	132	2.3
2	165	203	158	3.5
3	165	203	158	4.3

Requires 24VDC power supply for control circuitry:

DRA18-24:

100 - 240VAC single phase input, 24VDC 18W output (can be used with up to 3 x DFE-02 to DFE-16).

DRAN60-24:

100 - 240VAC single phase input, 24VDC 60W output (use with each DFE-22 or DFE-24).

WRA120-24:

400 - 500VAC 3 phase input, 24VDC 120W output

Requires external thermal overload relay for motor thermal protection

Key features

- Easy to use
- Start/Stop inputs
- Fault & running relay outputs
- Internal bypass relay
- Over current protection
- Start & Stop ramp time potentiometers

Synergy

Soft Start

Used to start three phase AC motors on medium to heavy load industrial application (Trip class 10 as standard).



400V 3 phase input, 400V 3 phase output, IP00

Part number	Frame size	kW	Output current (A)
SGY-101-4-01	1	7.5	17
SGY-103-4-01	1	11	22
SGY-105-4-01	1	15	29
SGY-107-4-01	1	18.5	35
SGY-109-4-01	1	22	41
SGY-111-4-01	1	30	55
SGY-113-4-01	1	37	66
SGY-115-4-01	1	45	80
SGY-117-4-01	1	55	100
SGY-201-4-01	2	75	132
SGY-203-4-01	2	90	160
SGY-205-4-01	2	110	195
SGY-301-4-01	3	132	242
SGY-303-4-01	3	160	302
SGY-305-4-01	3	200	361
SGY-307-4-01	3	250	430
SGY-309-4-01	3	280	500

Sizes & Weights

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
1	270	95	177	3.5
2	318	143	232	6.5
3	490	205	310	18

Options

Part number	Description
SGY-010	Synergy remote keypad
CBL-014	RJ45 to RJ12 serial comms adaptor cable
SGY-IP20-1	Synergy size 1 IP20 finger guard kit
SGY-IP20-2	Synergy size 2 IP20 finger guard kit
AB6274	Ethernet IP module
AB6223	Modbus TCP module
AB6270	Profibus Module
AB6271	DeviceNet module
AB6272	CANOpen module

Control circuitry can be powered from 230VAC, 110VAC or 24VDC

DRAN60-24:

100 - 240VAC single phase input, 24VDC 60W output

WRA120-24:

400 - 500VAC 3 phase input, 24VDC 120W output

Key features

- Easy to use
- Graphical keypad
- Programmable inputs and outputs
- Fault & running relay outputs
- Internal bypass relay
- Motor thermal overload and over current protection
- Can be connected 'In-Delta' connection

Solbrake

DC Injection Braking Modules

The Solbrake - Solid State Motor Brake provides fast, smooth, frictionless braking of three-phase squirrel-cage motors by injecting controlled DC current to the motor windings.

400V 3 phase input, 400V 3 phase output, IP00

Part number	Input voltage AC (2 phase)	kW	Output current (Amps - DC)
Solbrake 10	400	5.5	10
Solbrake 17	400	7.5	17
Solbrake 31	400	15	31
Solbrake 58	400	30	58
Solbrake 105	400	55	105



Solbrake 10



Solbrake 17, 31 & 58



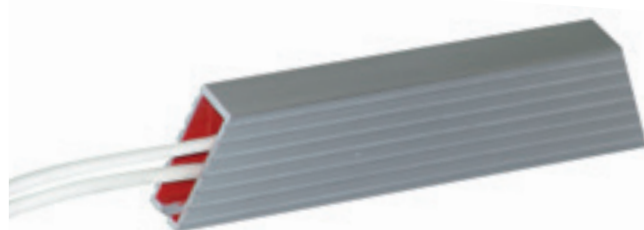
Solbrake 105

Inverter Drive Options



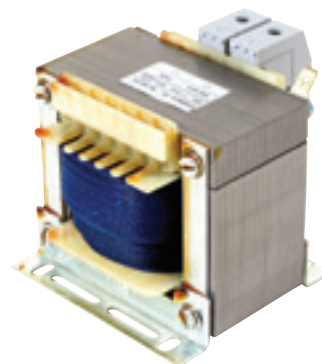
Braking resistors

Part number	Ohms	Power (W)	Voltage (Vdc)
BW154/250/100	100	250	900
BW154/250/150	150	250	900
BW153/400/100	100	400	900
BW156/600/100	100	600	900
BW156/1000/50	50	1000	900



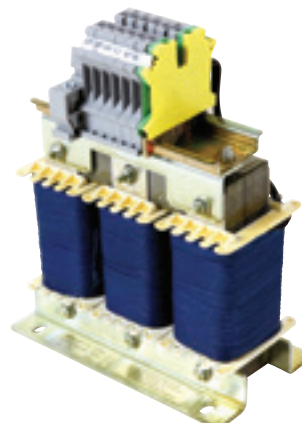
Input line reactors/chokes, IP20

Part number	Phases	Current rating (A)
CNW901/16	1	16
CNW901/25	1	25
CNW901/35	1	35
CNW903/6	3	6
CNW903/10	3	10
CNW903/16	3	16
CNW903/25	3	25
CNW903/36	3	36
CNW903/50	3	50
CNW903/70	3	70
CNW903/90	3	90



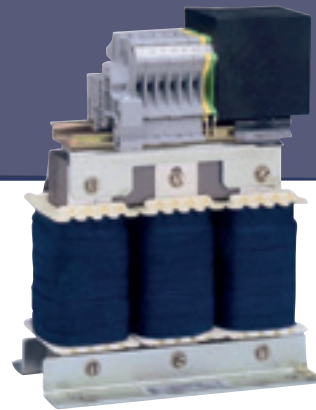
Output reactors/chokes, IP20

Part number	Phases	Current rating (A)
CNW854/8	3	8
CNW854/12	3	12
CNW854/30	3	30
CNW854/75	3	75
CNW854/180	3	180
CNW854/250	3	250
CNW854/300	3	300



Output sine filters, IP20

Part number	Phases	Current rating (A)
CNW933/8	3	8
CNW933/16	3	16
CNW933/20	3	20
CNW933/30	3	30
CNW933/48	3	48
CNW933/75	3	75
CNW933/90	3	90
CNW933/115	3	115



EMF filters

Part number	Phases	Current rating (A)
CNW102/10	1	10
CNW102/25	1	25
CNW114/6	3	6
CNW114/16	3	16
CNW114/25	3	25
CNW114/50	3	50
CNW114/80	3	80
CNW114/180	3	180
CNW114/300	3	300



DIN rail power supplies

Part number	Phases	Input voltage (VAC)	Output voltage (VDC)	Current rating (A)
DRA18-24	1	90-264	24	0.75
DRAN60-24	1	90-264	24	2.5
DRAN120-24	1	115/230	24	5
DRAN120-12	1	115/230	12	10
WRA120-12	3	340-575	12	10
WRA-120-24	3	340-575	24	5



General accessories

Single turn speed pot kit	Single turn 10k Ω speed pot, pot knob and label
10 turn speed pot kit	10 turn 10k Ω speed pot and knob
Single turn IP65 speed pot	Single turn IP65 10k Ω speed pot with screw terminal connections
USB to RS485 converter	USB to RS485/Modbus converter cable with RJ45 connector

AC Motors

TEC TPC permanent split capacitor single phase motor

0.09kW to 2.2kW
2 or 4 pole (3000 or 1500rpm)
Foot, face or flange mount

TECA, Aluminium frame, IE1 standard efficiency, 3 phase motors

0.09kW to 3kW
2, 4, 6 or 8 pole (3000, 1500, 1000 or 750rpm)
Foot, face or flange mount

TECA, Aluminium frame, IE2 high efficiency, 3 phase motors

0.75kW to 37kW
2, 4, or 6 pole (3000, 1500 or 1000rpm)
Foot, face or flange mount

TECC, Cast iron frame, IE1 standard efficiency, 3 phase motors

0.55kW to 315kW
2, 4, 6 or 8 pole (3000, 1500, 1000 or 750rpm)
Foot, face or flange mount

TECC, Cast iron frame, IE2 high efficiency, 3 phase motors

0.75kW to 315kW
2, 4, or 6 pole (3000, 1500 or 1000rpm)
Foot, face or flange mount



TEC ECOL, Aluminium frame, IE3 premium efficiency, 3 phase motors

0.75kW to 160kW
2, 4, or 6 pole (3000, 1500 or 1000rpm)
Foot, face or flange mount

TECA-BM Brake motor

0.25kW to 15kW
2 or 4 pole (3000 or 1500rpm).
Foot, face or flange mount

TECA, Aluminium frame, IE2 high efficiency, 3 phase vector motors

Motor fitted with an encoder and force vent fan as standard
0.75kW to 37kW
2, 4, or 6 pole (3000, 1500 or 1000rpm)
Foot, face or flange mount

Options

- Force vent fan kits
- Encoders for motor speed feedback
- Motor slide bases
- Anti condensation heaters

Gearboxes / Gearmotors



FCNDK 90 degree worm reduction gearboxes

FCNDK30 to FCNDK150

Various gearbox ratios are available
Can be supplied already coupled to the motor (worm gearmotor)

Accessories

- Face or flange motor mount
- Single or double output shaft
- Output flange
- Torque arm
- Output cover

RD Inline helical gearboxes

RD02 to RD63

Various gearbox ratios are available
Can be supplied already coupled to the motor (MRD02 to MRD63)

Accessories

- Output flange
- Additional output shaft size

Other gearbox products

- Double reduction worm gearboxes
- Bevel helical gearboxes
- Mechanical variators



Enclosed Star Delta Starters

Enclosed star/delta starters for three phase AC motors. Recommended for light to medium industrial type loads (trip class 10).



400V three phase input voltage

Part number	Frame size	kW	Max motor current (A)	Motor current (A)	Coil voltage (V)	Weight (kg)
SDS075EN400V	1	7.5	22.5	15.5 to 22.5	400	20
SDS11EN400V	1	11	22.5	15.5 to 22.5	400	20
SDS15EN400V	1	15	31.2	20.8 to 31.2	400	20
SDS185EN400V	1	18.5	37	29 to 37	400	20
SDS22EN400V	1	22	43.3	29 to 43.3	400	20
SDS30EN400V	2	30	57	49 to 57	400	20
SDS37EN400V	2	37	74	64 to 74	400	30
SDS45EN400V	2	45	88	83 to 88	400	30
SDS55EN400V	2	55	110	83 to 110	400	30

Sizes & Weights

Frame size	Height (mm)	Width (mm)	Depth (mm)
1	400	300	200
2	600	400	200

Key features

- IP65 powder coated steel enclosure RAL: 7035
- Interlocked input isolator as standard
- Keyed E-stop button (Cat-0)
- Mains supply and control MCBs
- Adjustable thermal overload relay
- Stop and Start button
- Terminals for external connections (start/stop)
- Adjustable delay timer
- Can be customised to individual client requirements

Enclosed Soft Starters

Enclosed soft starters for three phase AC motors. Recommended for light to medium type industrial loads (trip class 10).



400V three phase input voltage

Part number	Frame size	kW	Max motor current (A)	Overload rating (A)	Coil voltage (V)	Weight (kg)
SIB075EN400V	1	7.5	18	12 to 18A	400	20
SIB11EN400V	1	11	22	17 to 25A	400	20
SIB15EN400V	1	15	29	23 to 32	400	20
SIB22EN400V	2	22	41	37 to 50	400	20
SIB30EN400V	2	30	55	63 to 80	400	20
SIB37EN400V	3	37	66	63 to 80	400	20
SIB45EN400V	3	45	80	80 to 93	400	30
SIB55EN400V	3	55	97	80 to 104	400	30

Sizes & Weights

Frame size	Height (mm)	Width (mm)	Depth (mm)
1	400	300	200
2	400	400	200
3	600	400	200

Key features

- IP65 powder coated steel enclosure RAL: 7035
- Fairford DFE Soft Start
- Interlocked input isolator as standard
- Soft stop button
- Stop and Start button
- Running and Healthy lamps
- Adjustable thermal overload relay
- Bypass contactor
- Mains supply and control MCBs
- Can be customised to individual client requirements

Enclosed AC Inverter Drives

Enclosed AC Inverter drives for three phase AC motors.

230V single phase input, 230V 3 phase output

Part number	Frame size	kW	Motor current (A)
HIB0150EN200V	1	1.5	8
HIB0220EN200V	1	2.2	11
HIB0400EN200V	2	4.0	17.6

400V 3 phase input, 400V 3 phase output

Part number	Frame size	kW	Motor current (A)
HIB0075EN400V	1	0.75	2.5
HIB0150EN400V	1	1.5	4.2
HIB0220EN400V	2	2.2	5.8
HIB0400EN400V	2	4.0	9.5
HIB0550EN400V	3	5.5	13
HIB0750EN400V	3	7.5	17
HIB1100EN400V	4	11	25
HIB1500EN400V	4	15	32
HIB1850EN400V	4	18.5	38
HIB2200EN400V	4	22	46

Sizes & Weights

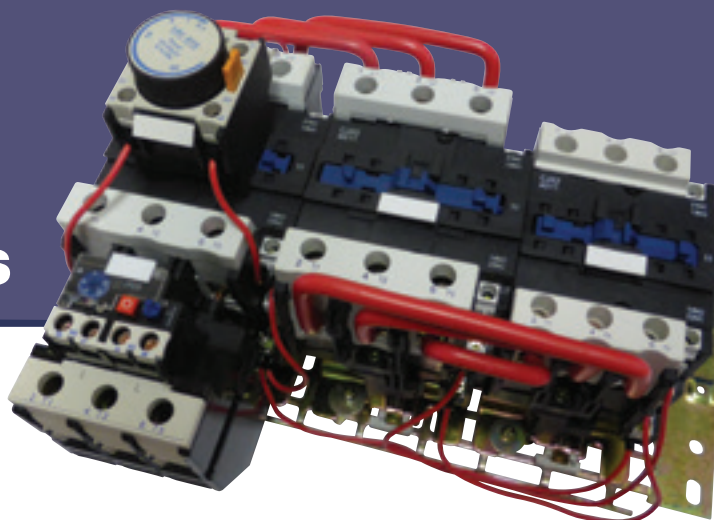
Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
1	400	300	200	20
2	500	400	250	24
3	600	400	250	28
4	800	600	300	40



Key features

- IP54 powder coated steel enclosure RAL: 7035
- HEDY HD700 AC Inverter drive
- Interlocked input isolator as standard
- Inverter disable button
- IP rated speed potentiometer
- Stop and Start pushbutton
- Forward/reverse switch
- Running and Healthy lamps
- Mains supply and control MCBs
- Thermostat controlled cooling fan
- Optional high performance EMC filter
- Can be customised to individual client requirements:
 - Remote controls
 - Appliance inlets
 - Motor socket
 - Door mounted keypad
 - Emergency stop and Safety relay

Open Chassis Star Delta Starters



Open chassis star/delta starters for three phase AC motors. Recommended for light to medium industrial type loads (Trip Class 10).

0V three phase input voltage

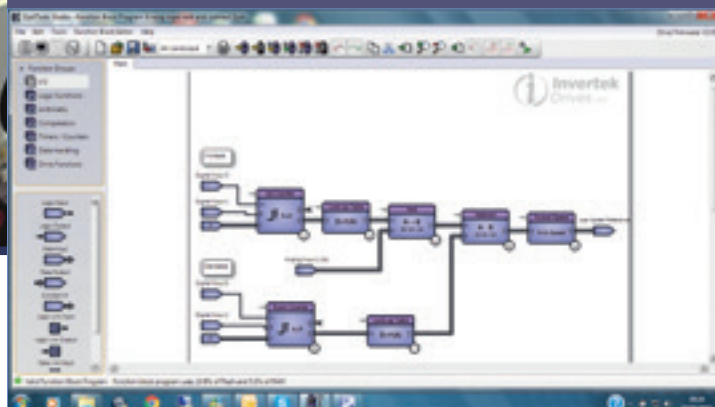
Part number	kW	Motor current (A)	Coil voltage (V)	Weight (kg)	Height (mm)	Width (mm)	Depth (mm)
SDS075OC400V	7.5	15.5 to 22.5	400	2.2	170	180	170
SDS11OC400V	11	15.5 to 22.5	400	2.2	170	180	170
SDS15OC400V	15	20.8 to 31.2	400	4.3	200	300	190
SDS185OC400V	18.5	29 to 37	400	4.3	200	300	190
SDS22OC400V	22	29 to 43.3	400	4.3	200	300	190
SDS30OC400V	30	49 to 57	400	4.3	200	300	190
SDS37OC400V	37	64 to 74	400	4.3	200	300	190
SDS45OC400V	45	83 to 88	400	4.3	200	300	190
SDS55OC400V	55	83 to 110	400	4.3	200	300	190

Key features

- Fully assembled and wired
- Adjustable delay timer
- Adjustable thermal overload relay
- Ready for cabinet mounting

Product Customisation

Motor Control Warehouse can customise products to individual client requirements or help with product/parameter set ups.



HE2Vcom - [Group 3 Start & Stop]

File(F) Drive(D) View(V) Help(H)

Online Offline Load default Fault reset Save Download to Drive Upload to PC Open in offline Save in offline

Drive

- Parameter settings
 - Group 0 Shortcut menu
 - Group 1 Reference
 - Group 2 Speed
 - Group 3 Start & Stop
 - Group 4 Preset & FLC
 - Group 5 Speed & Display
 - Group 6 V/F control parameters
 - Group 7 Motor
 - Group 8 Analog input & output
 - Group 9 Digital input & output
 - Group 10 Comm. & General function
 - Group 11 Fault Tracking
 - Group 12 Protecting
 - Group 13 Motor
 - Group 14 Test function
 - Group 15 PID Controller
 - Group 16 Programmable logic & Binary
 - Group 17 Threshold and variable select
 - Group 18 Brake logic control
 - Group 22 MCH menu
- Monitor
 - Scope
 - Control Panel

ID	Description	Default	Value	Mini	Change mode
P00.00	Reverse limit control	0	0	1	Stop Only
P00.02	Dead time for running direct...	0.0	0.0	0.05	Run&Stop
P00.03	Auto-start after power off	0	0	1	Stop Only
P00.04	Wait time for auto-start	0.0	0.0	0.05	Run&Stop
P00.05	Start mode	0	0	1	Stop Only
P00.06	Start frequency	0.00	0.00	0.00Hz	Run&Stop
P00.07	Hold time for start frequency	0.0	0.0	0.05	Run&Stop
P00.08	Start DC injection current	0.0	0.0	0.1	Run&Stop
P00.09	Start DC injection time	0.0	0.0	0.05	Run&Stop
P00.10	Stop mode	0	0	1	Stop Only
P00.11	Stop frequency	0.00	0.00	0.00Hz	Run&Stop
P00.12	Stop DC injecting frequency	0.0	0.0	0.1	Run&Stop
P00.13	Stop DC injecting current	0.0	0.0	0.1	Run&Stop
P00.14	Stop DC injecting time	0.00	0.00	0.05	Run&Stop
P00.15	Dynamic brake control	1	1	1	Stop Only
P00.16	Dynamic brake rate	50.0	50.0	0.2%	Run&Stop
P00.17	Dynamic brake DC voltage pr...	300	300	1V	Stop Only
P00.18	Stop	0	0	1	Actual
P00.20	Run bit	0	0	1	Actual
P00.21	3-wire enable	0	0	1	Actual
P00.22	FltD	0	0	1	Actual
P00.23	REV	0	0	1	Actual
P00.24	FltD/REV	0	0	1	Actual
P00.25	Jog forward	0	0	1	Actual
P00.26	Jog reverse	0	0	1	Actual
P00.27	Comms control word	0	0	1	Actual
P00.28	Control word enable	0	0	1	Run&Stop
P00.30	Reverse running indicator	0	0	1	Actual

HE2Vcom-V1.4

Offline Normal Time

09:12 16/01/2016

Invertertek E3 IP66 customisation examples

- Customised product labels to client specification
- 10 Turn potentiometer (instead of single turn)
- 2 position switch (instead of 3 position)
- Binary switch added to terminal cover (for selecting preset speeds)

- Push button switch added to terminal cover (for jog control)

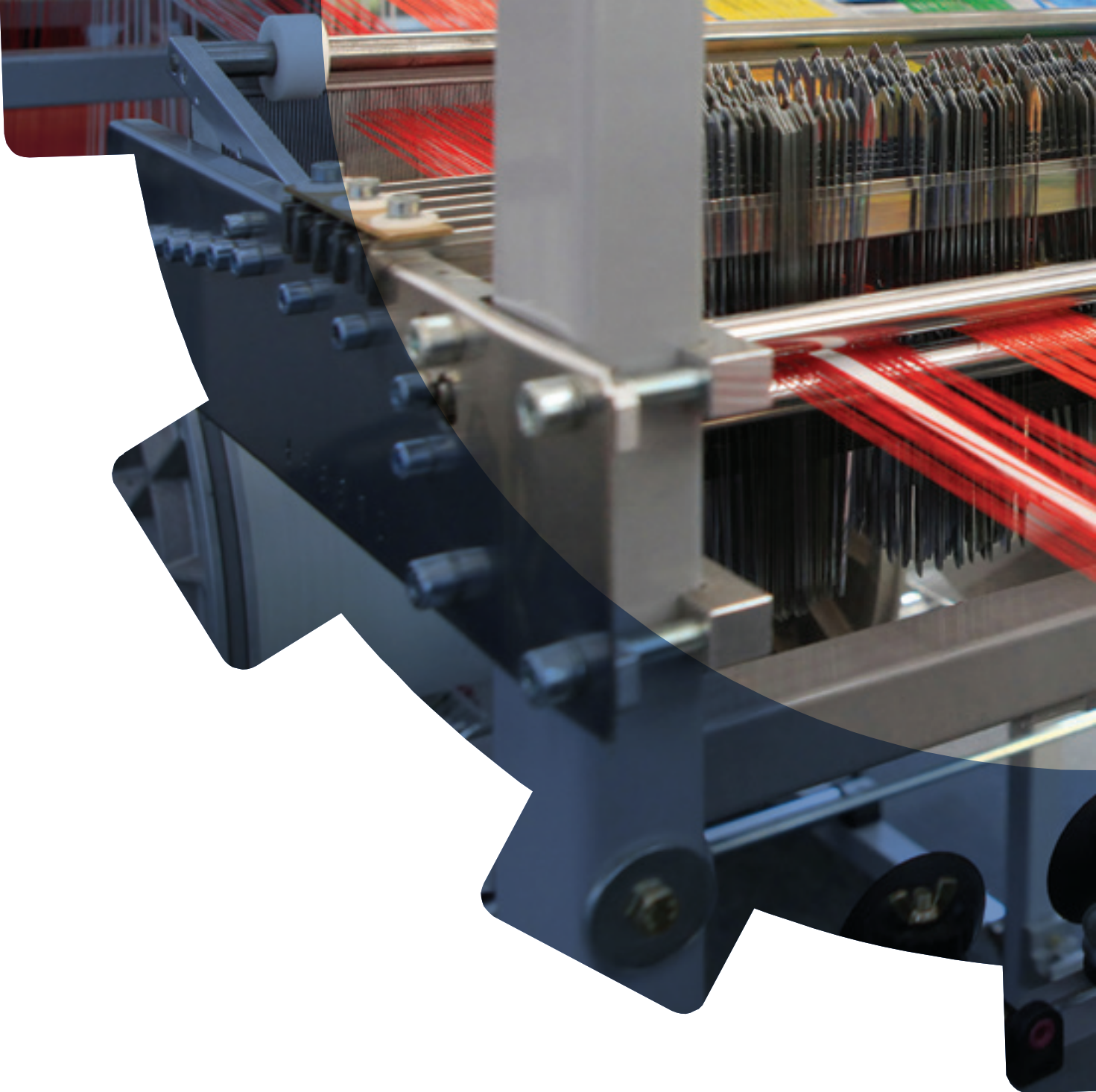
Optitools Studio PLC program writing to help realise specific application requirements (Optidrive P2 and Eco). Product parameter set ups for individual client application requirements.

Control Systems

Motor Control Warehouse can design turnkey drive systems to your specific requirements. These systems can include:

- Inverter drives
- Soft starts
- Input isolator
- Circuit protection
- Contactors and relays
- HMI screens
- PLCs
- Software to control the system
- Lamps, push buttons & switches





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