



WINDANE 34 or WD34 VESTAS
From Kristen Christiansen ROSLEV
Service order 1790 29/11-89

ABB ASEA control computer PLC
Master Aid S1 3488-016
70 st ingångar uppe på PLC
Type: DSPC 365A # OE
57310001-DF/4

Wish to get program software .

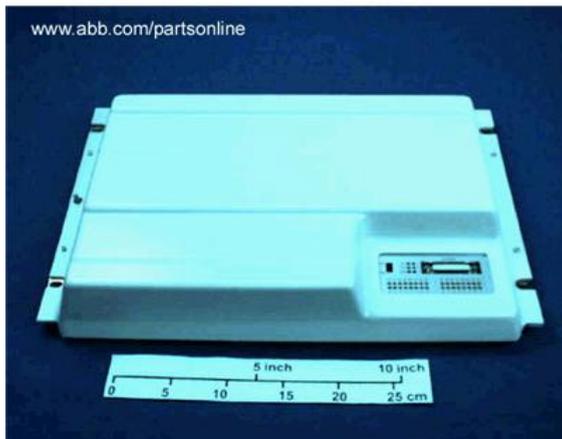
Please call
SKEPPSTA MASKIN AB
Phone 004619228005 sales@oilpress.com
<http://www.oilpress.com/WINDANE%2034.pdf>

PLC DSPC-365

Manufactured by ABB

ASEA BROWN BOVERI PROCESSOR UNIT

DSPC 365



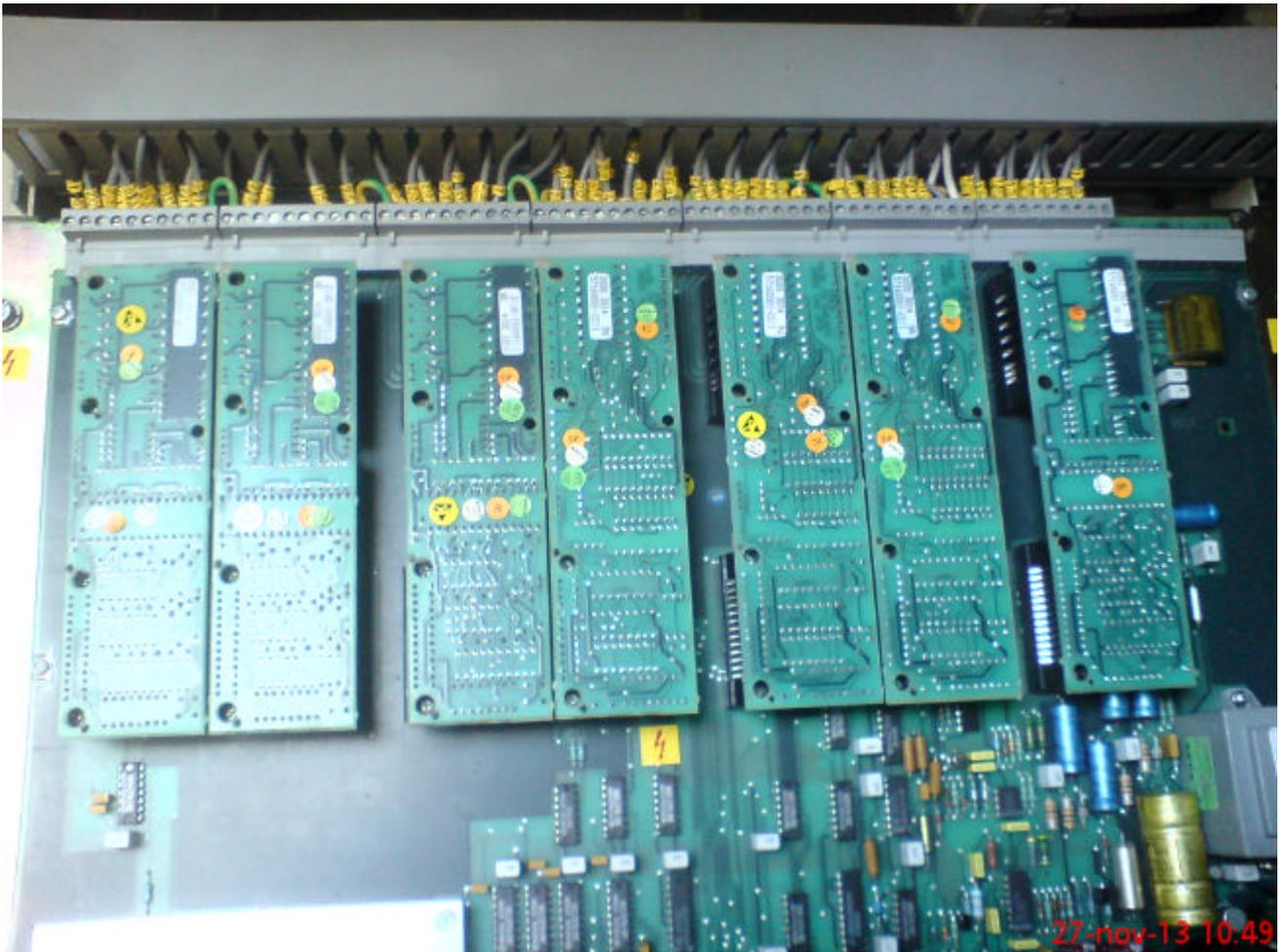


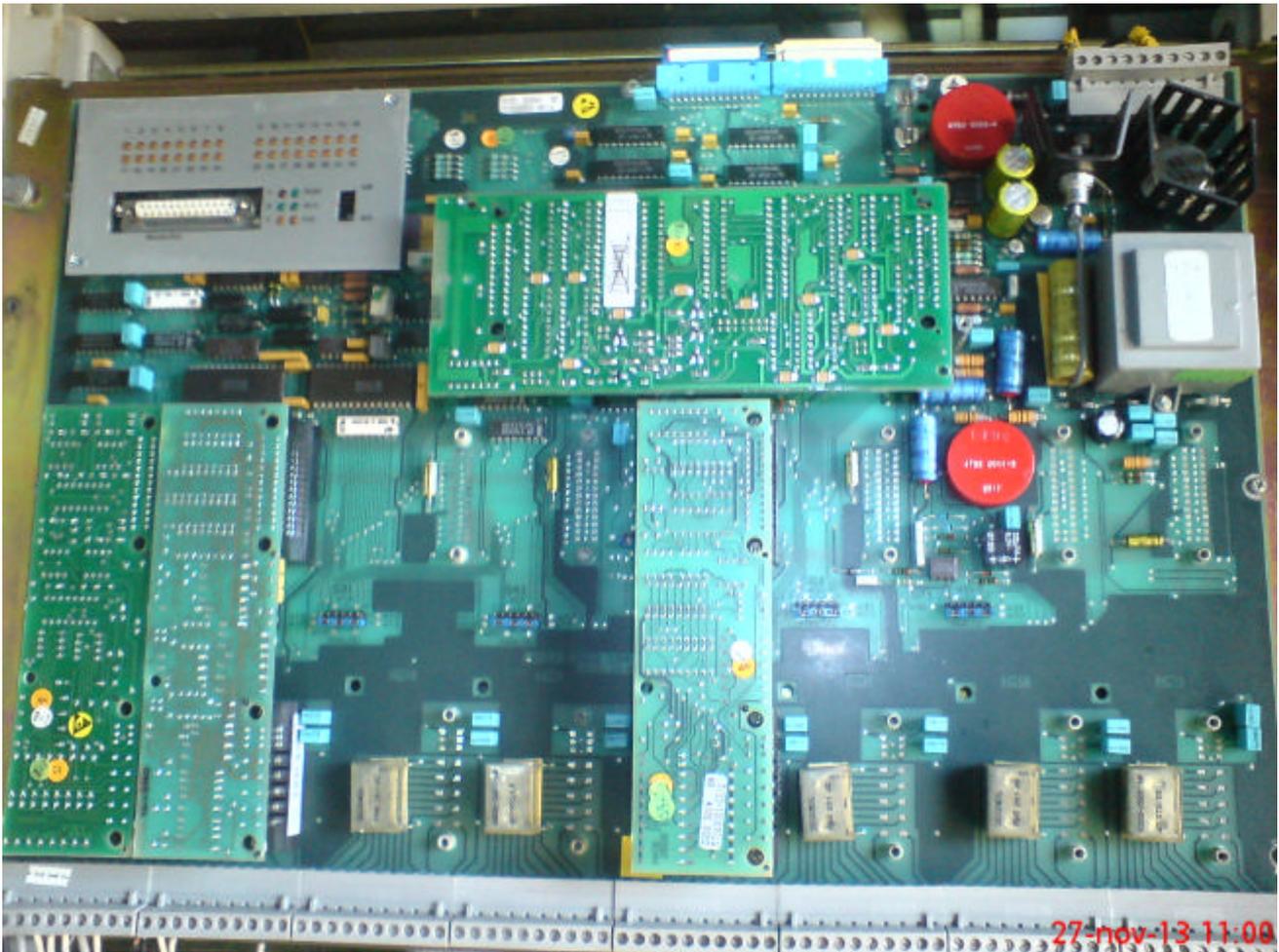
27-nov-13 10:42



27-nov-13 10:43









General data



- ? Wind turbine name: WD34
- ? Nominal power: 400 kW
- ? Rotor diameter: 34 m
- ? No more available
- ? Offshore model: no

Manufacturer

- ? Name: [Vestas](#)
- ? Country: Denmark
- ? Website: <http://www.vestas.com>

- ? Swept area: 907.9 m²
- ? Power density: 0.03 m²/kW
- ?

Vestas Wind Systems A/S delivery to Juni 30 2003 and WD34

<http://www.mumm.ac.be/Common/Windmills/SPE/Bijlage/3%20%20References%20Vestas.pdf>

Total 198 st WD34 - 400 kW 79.200 kW uppsatta till 2003
2.970 st Vestas V47 – 660 Kw uppsatta till 2003.

Installed in January 1992 in Södra Sandby. 1 WD34- 400 kW 400 kW i Sverige

Danmark

Elkraft, Kappel 24 st WD34- 400 kW 9.600 kW

Italien

Installed in June 1994 Acqua Spuzza, Abruzzo 2 st WD34- 400 kW 800 kW

Installed in March 1991 on Sardinia 1 WD34- 400 kW 400 kW

Norge

Installed in June 1989 in Froya. 1 WD34- 400 kW 400 kW

Installed in August 1991 on Hovden. 1 WD34- 400 kW 400 kW

Installed in August 1991 on Kvalnes. 1 WD34- 400 kW 400 kW

England

<http://www.renewable.moonfruit.com/#/windfarm-information/4541206765> Carland Cross

<http://www.b9energy.com/B9OperationMaintenance/AboutUs/UKIrelandOMMap/tabid/4342/language/en-US/Default.aspx> service av Carland Cross

Roche, Cornwall Tel: 44 (0) 28 2826 3900 Fax: 44 (0) 28 2826 9301

Installed in November 1991 in Hesketh Newmarket, Cumbria. 1 WD34- 400 kW 400 kW

Installed in December 1991 in Ashington, Northumberland. 1 V20- 100 kW 100 kW

Installed in December 1991 in Delabole, Cornwall. 10 WD34- 400 kW 4.000 kW

Installed in March 1992 in Brow Haworth, Keighley. 1 V27- 225 kW 225 kW

Installed in August 1992 in Haverigg, Cumbria. 5 V27- 225 kW 1.125 kW

Installed in August 1992 by Carland Cross, Cornwall. 15 WD34- 400 kW 6.000 kW

Installed in December 1992 by Great Yarmouth, Norfolk. 10 V27- 225 kW 2.250 kW

Installed in December 1992 by Burnley, Lancashire. 24 WD34- 400 kW 9.600 kW

Installed in February 1993, Goonhilly Downs, Cornwall. 14 WD34- 400 kW 5.600 kW

Installed in June 1993 in Ovenden Moor, Yorkshire. 23 WD34- 400 kW 9.200 kW
Installed in September 1993 in Kirkby Moor, Cumbria. 12 WD34- 400 kW 4.800 kW

Kirkby Moor, Kirkby-in-Furness, Cumbria LA17, Storbritannien

Installed in March 1991 on Sardinia 1 WD34- 400 kW 400 kW

San Gorgonia 35 WD34- 400 kW 14.000 kW

Norge

Installed in June 1989 in Froya. 1 WD34- 400 kW 400 kW

Installed in August 1991 on Hovden. 1 WD34- 400 kW 400 kW

Installed in August 1991 on Kvalnes. 1 WD34- 400 kW 400 kW

Installed in September 1991 on Vikna. 3 WD34- 400 kW 1.200 kW

Sverige

Installed in January 1992 in Södra Sandby. 1 WD34- 400 kW 400 kW

[http://www.mumm.ac.be/Common/Windmills/SPE/Bijlage/3%20%20References%20Vest as.pdf](http://www.mumm.ac.be/Common/Windmills/SPE/Bijlage/3%20%20References%20Vest%20as.pdf)



Type:	Windane 9	Windane 12	Windane 31
Rotor Dia. [m]	9	12	30.8
Rotor r. p. m.	101	-	42
Power [kW]	15	25/40/50	340(300)
Power Regulation	Stall	Stall	Stall/Pitch
Blade Make	Own	Own	Own
Turbines prod.	1	2	7 (?)
Type:	Windane 34	Windane 40	-
Rotor Dia. [m]	34	40	-
Rotor r. p. m.	-	-	-
Power [kW]	400	750	-
Power Regulation	Pitch	Pitch	-
Blade Make	Own	Own	-
Turbines prod.	89	5	-

The Windane 9 and 5 was to be grid-connected or stand alone. Windane 12 was to be stand alone.

To my knowledge, the small turbines were only fabricated in prototypes.

Despite of it's poor visual design qualities, a number of the Windane 31 was sold for an onshore windfarm at Lynæs, Denmark. Later model were the 400 kW Windane 34 (1988) and 750 kW Windane 40 (1986) . 35 Windane 34 Turbines were installed in California in the eighties.

Corporate history: Dansk Vind Teknik (DVT) or Danish Wind Tehnology (DWT) was founded in 1981 at a venture of t he parts: Vølund A/S, ASEA A/S and the Danish Ministry of Energy (and later SEAS, the utility company, that erected the GEDSER turbine.) ASEA was a Scandinavian manufacturer og elctric motors etc. Vølund is described above.

DWT performed poor, compared to companies like BONUS, Vestas and Nordtank.

February 1989 Danish Wind Technology was merged with Vestas. The Vestas company name was, for a period, changed to Vestas, Danish Wind Tedchnology A/S. Later it became: Vestas Wind Systems A/S.

For Vestas, the interest in the merger was DWT's experience with "large machines".

AXDOS AB i Vingåker <http://www.plcsweden.com/en/contact.php?id=10090>

Har programmeringsmodul Jag tar kontakt om 2 veckor mitt av dec 2013

Electric cabinet [ARMOIRE](#) Distribution D6348

HERRBORN

Art nr PS4884

Fab Nr 014118

Asea fusionerades 1988 med Brown Boveri till *ABB Asea Brown Boveri Ltd*, som senare bytte namn till [ABB](#).

ASEA PLC MASTER DSPC 365
<http://www.plccenter.co.uk/en-GB/Buy/ABB/DSPC365?redirect=true>

DSPC-365

Manufactured by ABB

ASEA BROWN BOVERI

PROCESSOR UNIT DSPC 365

Weight: 3.856 kgs

OBSOLETE

Estimated Retail Price - £2,496.70

Save as much as 50 %, see below

Last Retail Price Update: 18/03/2013

Have you seen a lower offer for this?

<http://allserv.no/allservas/reservedelager/abb/>

DSPC 365	57310001-DF/4	ABB MASTERSYSTEMS	Masterpice 1000 main board	4		USE
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Product ID:

57310001-DF

ABB Type Designation:

DSPC 365A

Catalog Description:

Processor Unit

Technical Information:

DSPC 365A Processor Unit

MAX 64 I/O-CH TOT

MAX 32 AL-CH

EXCHANGE NO. 7650 055-183

See spare fuse 2 A

-F1 [3BSC770001R17](#)**ABB Type Designation:**

DSPC 365A

Catalog Description:

Processor Unit

Core Credit:

0.00

Country of Origin:

Sweden (SE)

Customs Tariff Number:

85389091

Invoice Description:

Processor Unit

Made To Order:

No

Minimum Order Quantity:

1.000 piece

Package Level 1 Units:

0 carton

Part Type:

New

Product Name:

Processor Unit

Product Net Weight:

3.640 kg

Quote Only:

No

Replaced Product ID (OLD):[57310001-AB](#)[57310001-DB](#)**Selling Unit of Measure:**

piece

Stocked At (Warehouses):

Logistic Center Sweden

Central Stock US

SGRL4124EXPU

SGRL4414FEXPU

UNSPSC:

39120000

<http://www.abb.com/productdetails/ABB.PARTS.SELOG4911014-RTC>

Additional Information

Technical Information:

DSPC 172/DSPC 172H Prom with Software
PROM*D90

ABB Type Designation:

PROM*DSPC 172*(-D90)

Catalog Description:

Prom with Software

Country of Origin:

Sweden (SE)

Customs Tariff Number:

85389099

Invoice Description:

Prom with Software

Made To Order:

No

Minimum Order Quantity:

1.000 piece

Package Level 1 Units:

0 carton

Part Type:

New

Product Name:

Prom with Software

Product Net Weight:

0.009 kg

Quote Only:

No

Selling Unit of Measure:

piece

Stocked At (Warehouses):

Logistic Center Sweden

SGRL4124EXPU

SGRL4414FEXPU

UNSPSC:

39120000

