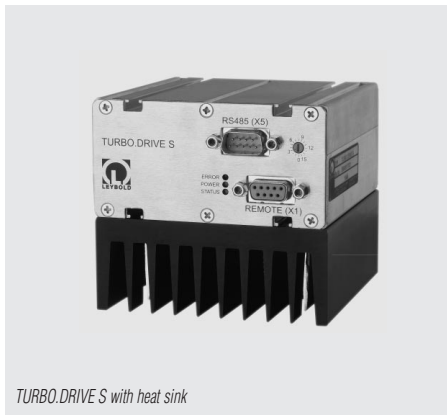
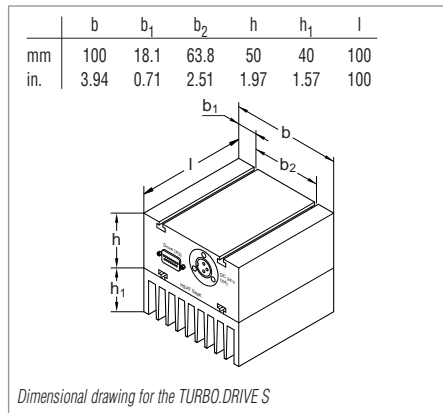


TURBO.DRIVE S (TDS) for TW 70, TW 300 and TW 300 H Turbomolecular Pumps



TURBO.DRIVE S with heat sink



Technical Features

- ◆ Compact size
- ◆ RS 232 C or RS 485 C interface
- ◆ Configurations
 - as a separate frequency converter
 - integrated within turbomolecular pump
- ◆ Remote control via remote control interface
- ◆ Flexible mounting
- ◆ Cost-effective supply of 24 V DC power

Technical Data

TURBO.DRIVE S

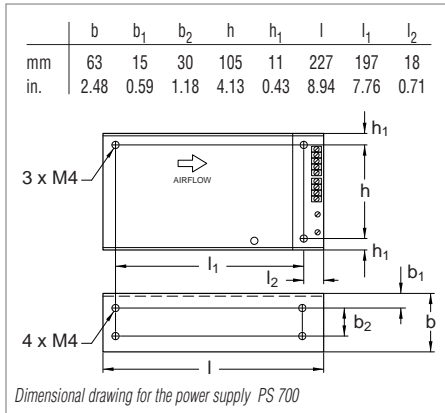
Input		
Voltage	V DC	24 ± 5%
Max. continuous current	A	7
Max. continuous power consumption	W	170
Ambient temperature	°C (°F)	+10 to +45 (+50 to +113)
Dimensions (W x H x D), including heat sink	mm (in.)	100 x 90 x 100 (3.94 x 3.54 x 3.94)
Weight	kg (lbs)	1.4 (3.1)
Serial Interface		RS 232 C or RS 485 C

Ordering Information

TURBO.DRIVE S

TURBO.DRIVE S with RS 232 C interface and heat sink	Part No. 800070V0005
TURBO.DRIVE S with RS 485 C interface and heat sink with Profibus	Part No. 800070V0006 upon request
Connecting cable TDS-pump	
1 m (3.5 ft)	Part No. 152 47
3 m (10.5 ft)	Part No. 864 40
5 m (17.5 ft)	Part No. 864 50
START/STOP switch (for manual operation)	Part No. 152 48
Hat rail adaptor as mounting aid	Part No. 800110V0003
Accessories for RS 232 C and RS 485 C interfaces	see chapter "Accessories for Turbomolecular Pumps", para. "Accessories"

Power Supply PS 700 for TW 701 Turbomolecular Pumps



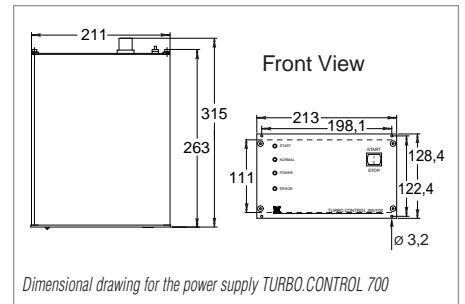
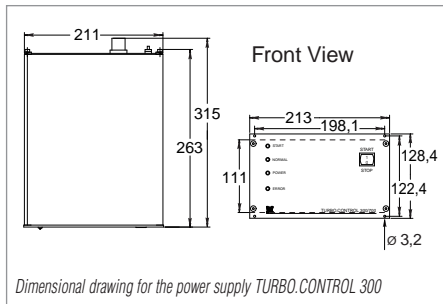
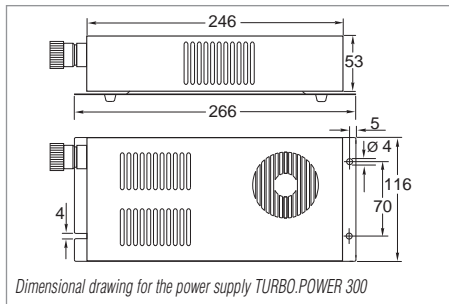
Technical Features

- ◆ 59 V DC OEM power supply for screw fixing in electrical cabinets

Technical Data		Power Supply PS 700
Input		
Mains voltage	V	85-265
Max. continuous power consumption	W	850
Output		
Voltage, nominal	V DC	59
Max. continuous current	A	13
Max. power output	W	750
Ambient temperature	°C (°F)	0 to +70 (32 to +158)
Dimensions (W x H x D)	mm (in.)	227 x 63 x 127 (8.94 x 2.48 x 5.0)
Weight	kg (lbs)	2 (4.4)
Ordering Information		Power Supply PS 700
OEM power supply 59 V DC		Part No. 864 45
59 V DC cable TW 700–power supply		
3 m (10.5 ft)		Part No. 200 12 729
5 m (17.5 ft)		Part No. 200 12 730
10 m (35.0 ft)		Part No. 200 12 731
20 m (70.0 ft)		Part No. 200 15 064
Mains cable for OEM power supply, 2 m (7 ft)		
with EURO plug		Part No. 800102V0001
with US plug		Part No. 800102V1001
START/STOP switch for TURBO.DRIVE S/L (for manual operation)		Part No. 152 48

Note: See the TPC and TPS controllers in the Product Section C10 “Turbomolecular Pump Systems” for additional controllers for the TURBOVAC TW 300 and TW 700

Power Supply Units for TURBO.DRIVE S and TW 700/701



Technical Features

- ◆ Cost-effective supply of 24 V DC power for TURBO.DRIVE S
- ◆ Plug & play
- ◆ Bench top unit or for cabinet mounting

Technical Features

- ◆ For supplying 24 V DC power to the TURBO.DRIVE S
- ◆ Plug & play
- ◆ Bench top unit or for cabinet mounting
- ◆ Mains switch
- ◆ START/STOP switch for the turbomolecular pump
- ◆ Remote control via remote interface
- ◆ Status indicating LEDs and status relays

Technical Features

- ◆ For supplying 56 V DC power to the TW 700/701
- ◆ Plug & play
- ◆ Bench top unit or for cabinet mounting
- ◆ Mains switch
- ◆ START/STOP switch for the turbomolecular pump
- ◆ Remote control via remote interface
- ◆ Status indicating LEDs and status relays



Technical Data	Power Supplies		
	TURBO.POWER 300	TURBO.CONTROL 300	TURBO.CONTROL 700
Input			
Mains voltage	85-264 V / 50/60 Hz	85-264 V / 50/60 Hz	85-264 V / 50/60 Hz
Max. power consumption	300	300	805
Output			
Voltage, nominal	24	24	56
Max. continuous current	8,4	8,4	8,5
Ambient temperature	0 to +40 (32 to +104)	0 to +40 (32 to +104)	0 to +40 (32 to +104)
Dimensions (W x H x D)	116 x 53 x 260 (4.57 x 2.09 x 10.24)	213 x 129 x 320 (8.39 x 5.08 x 12.6)	213 x 129 x 320 (8.39 x 5.08 x 12.6)
Weight	1.5 (3.31)	1.5 (3.31)	2.5 (5.52)

Ordering Information	Power Supplies		
	TURBO.POWER 300	TURBO.CONTROL 300	TURBO.CONTROL 700
Power supply			
TURBO.POWER 300	Part. No. 800100V0002	-	-
TURBO.CONTROL 300	-	Part. No. 800100V0001	-
TURBO.CONTROL 700	-	-	Part. No. 800101V0001
DC cable frequency converter – power supply unit			
1 m (3.5 ft)	24 V DC power cable Part. No. 800094V0100	24 V DC control cable Part. No. 800091V0100	56 V DC control cable Part. No. 800093V0100
3 m (10.5 ft)	Part. No. 800094V0300	Part. No. 800091V0300	Part. No. 800093V0300
5 m (17.5 ft)	Part. No. 800094V0500	Part. No. 800091V0500	Part. No. 800093V0500
10 m (35.0 ft)	Part. No. 800094V1000	Part. No. 800091V1000	Part. No. 800093V1000
20 m (70.0 ft)	Part. No. 800094V2000	Part. No. 800091V2000	Part. No. 800093V2000
Mains cable, 3 m (10.5 ft) with EURO plug with US plug 6-15 P		Part. No. 800102V0002 Part. No. 800102V1002	
Hat rail adaptor as mounting aid	Part. No. 800102V0002	-	-