

TLD/TED 30/36

Turbopumps TLD 30/36 and TED 30/36 are direct driven single stage units. To ensure constant pressure and that cooling air is available to the pump when all outlets are closed, the tubing system should be equipped with a vacuum relief valve.

TPD 30/36

Turbopump TPD 30/36 9.2/11 kW is a direct driven twin impeller parallel connected unit. To ensure constant pressure and that cooling air is available to the pump when all outlets are closed, the tubing system should be equipped with a vacuum relief valve.

TSD 30/36

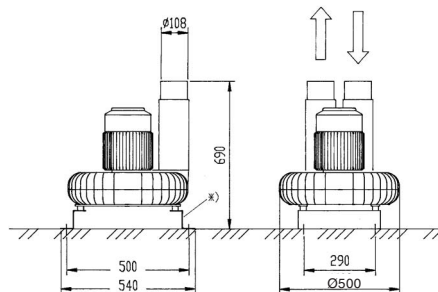
Turbopumps TSD 30/36 9.2/11 kW is a direct driven twin impeller series connected unit. This is used in demanding applications where high vacuum levels are required. To ensure that cooling air is available to the pump when all outlets are closed, the turbo-pump can be equipped with cooling air inlet.

Part No

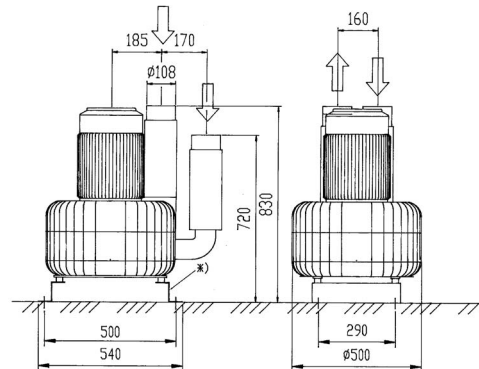
V	Hz	TLD 30 2.5 kW	TLD 36 4 HP	TLD 36 4.6 HP	TED 30 5.5 kW	TED 36 10 HP	TED 36 11.5 HP	TPD 30 9.2 kW	TSD 30 9.2 kW	TSD 36 15 HP	TSD 36 18.5 HP	TPD 36 15 HP	TPD 36 18.5 HP
230													
400	50	4322											
230	50				4326			4910	4907				
400	50				4126			4911	4908				
460 USA	60			419005			419301				4797		4881
460 CAN	60		419003			419303				479700		488100	

Dimensions, Installation Example

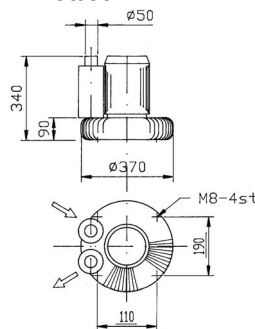
TED 30/36



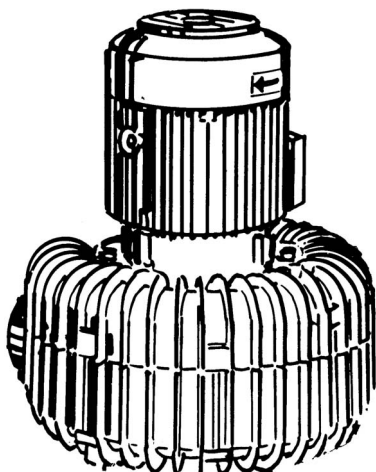
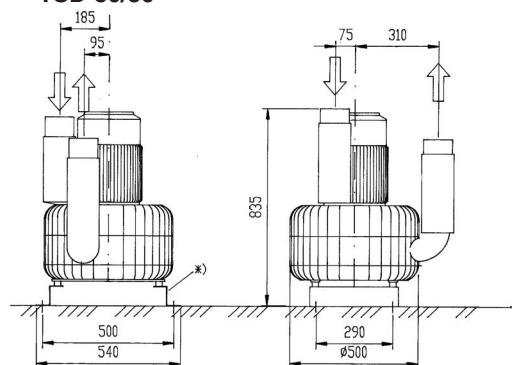
TPD 30/36



TLD 30/36



TSD 30/36



Lubrication interval

TLD 30 2,5 kW	TLD 36 4; 4,6 HP	TED 30 5,5 kW	TED 36 10; 11,5 HP	TPD 30 9,2 kW	TSD 30 9,2 kW	TSD 36 15; 18,5 HP	TPD 36 15; 18,5 HP
10000 h	10000 h	10000 h	10000 h	1500 h	1500 h	1500 h	1500 h

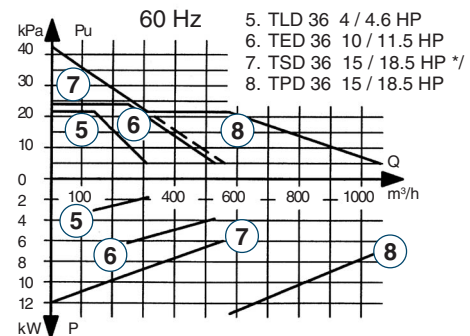
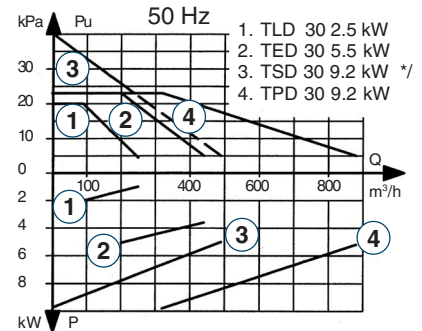
These direct driven units are extremely reliable and have low service requirements (lubrication interval is 10000 hours).

Grease for Dustcontrol Turbopumps, Part No. 9928

TECHNICAL DATA

Description	TLD 30	TLD 36	TED 30	TED 36	TPD 30	TSD 30	TSD 36	TPD 36
Power Supply Hz	50	60	50	60	50	50	60	60
Pump RPM	3000	3600	3000	3600	3000	3000	3600	3600
Weight kg	30	30	65	65	90	90	110	110
Max dP kPa	20	22	23	24	21	40	43	20
Nominal Pressure kPa	18	20	18	20	18	30	32	17
Max Q m ³ /h	260	300	450	600	900	450	560	1050
Sound Level of Unit 1m dB(A)	75	75	75	75	75	75	75	75
*With exhaust silencer								
Inlet/Outlet Ømm	50/50	50/50	108/108	108/108	108/108	108/108	108/108	108/108

Capacity and Power Consumption



Accessories

Part No. 3037 Console 500 mm (2 req'd)

For wall installation of TLD 30/36.

Part No. 4477 Pump Chassis
For separate mounting of TED 30/36, TPD 30/36 and TSD 30/36.

Part No. 4942 Silencer 100 300/200

Used for silencing of 76 mm vacuum valve and also exhaust silencing on 2.5-11 kW / 4-18,5 HP turbopump. For accompanying tubing details, see installation example.

Part No. 3195 Silencer 80300/180
Used for silencing of 50 mm vacuum valve.

Part No. 8253 Vacuum Relief Valve 50 mm

Used with TLD 30/36. The vacuum relief valve is installed on the tubing system (inlet side) on a branch tube. This delivers cooling air to the turbopump and can be adjusted for the desired vacuum level in the system.

Part No. 8001 Vacuum Relief Valve 76 mm

Used with TED 30/36 and TPD 30/36. The vacuum relief valve is installed on the tubing system (inlet side) on a branch tube. This delivers cooling air to the turbopump and can be adjusted for the desired vacuum level in the system.

Part No. 40595 Cooling air inlet with silencer for TSD 30/36

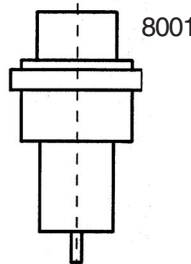
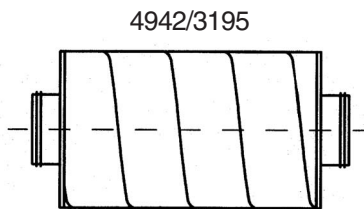
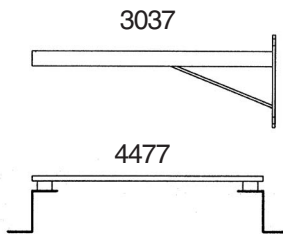
Cooling air is introduced to the turbopump between stages so the unit can be driven with all outlets closed without the risk of overheating.

Part No. 4600 Back Flow Valve Ø108

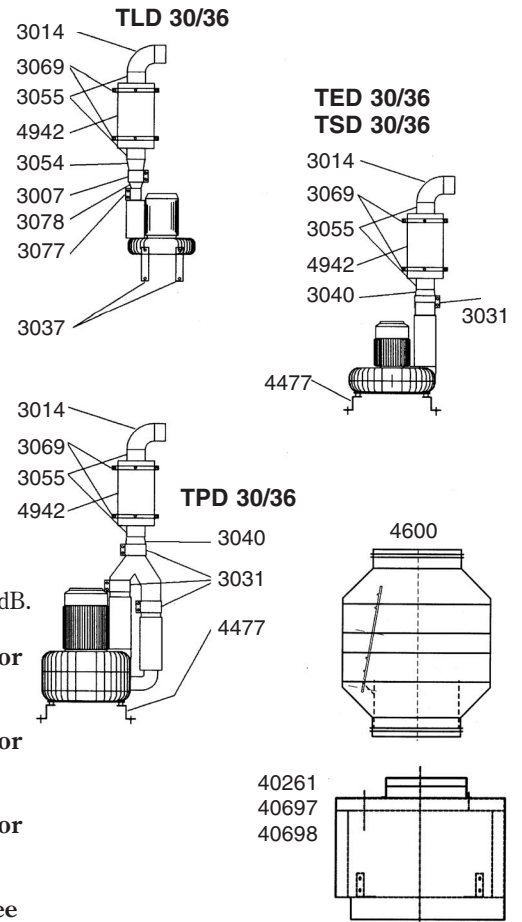
Installed on the inlet side of the turbopump when two or more units are parallel installed.

Figure shows available capacity in an extraction system, see explanation on page 7.

*/ Turbopump with cooling air inlet.



Installation Example, Silencers



Silencing Covers. The silencing covers will reduce the sound level by 4 dB.

Part No. 40261 Silencing Cover for TLD 30

Part No. 40697 Silencing Cover for TED 30 5.5 kW

Part No. 40698 Silencing Cover for TED 30 9.2 kW

For complimentary tubing details, see pages 36 – 40.