

E-FLOW 150 SERIES



submersible sewage pumps with explosion proof motors

E-flow 150 Series

The E-flow 150 series of submersible effluent pumps designed and manufactured by T-T Pumps and incorporating Zone 1 explosion-proof motors.

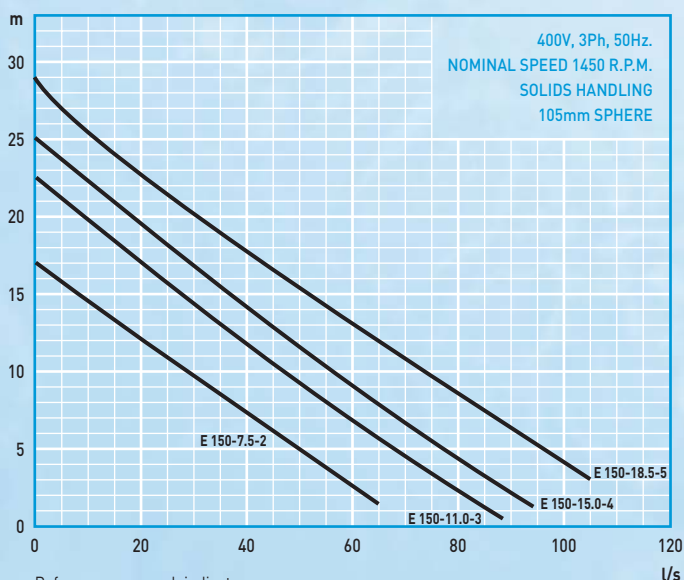
All models have 150mm discharge size, and the design is based on years of experience of effluent and sewage applications requiring efficient pumps with high reliability and low maintenance costs. The single-bladed channel impeller handles 105mm solids, and the double Silicon Carbide mechanical seal gives superior protection from the pumped liquid.

The E-flow 150 series includes 4 motor sizes, enabling selection by motor and impeller size combinations for specific applications and duties.

APPLICATIONS

- SEWAGE & EFFLUENT
- HOUSING, EDUCATIONAL AND INDUSTRIAL DEVELOPMENTS
- HOTELS
- HOSPITALS
- PUMPING STATIONS REQUIRING WATER COMPANY ADOPTION

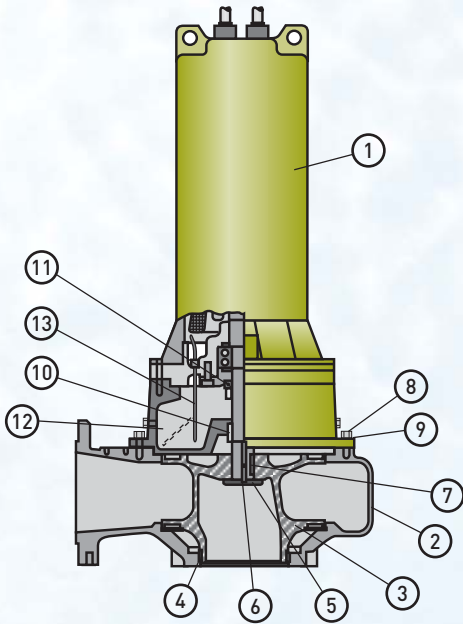
E-flow 150 performance curves



EExd IIBT4

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TYPICAL COMPONENTS

No.	Item	Material	Qty
1	Motor	Casing - Cast Iron; Shaft - Stainless Steel	1
2	Pump Casing	Cast Iron BS1452, Gr220	1
3	Impeller	Cast Iron BS1452, Gr220	1
4	Wear Ring	Bronze BS1400, LG2	1
5	Impeller Washer	Bronze BS1400, LG2	1
6	Impeller Screw	Stainless Steel BS970 304, S15	1
7	Impeller Key	BS970 080, M30	1
8	Screw	Stainless Steel BS970 304, S15	4
9	Washer	Stainless Steel BS970 304, S15	4
10	Outer Mechanical Seal	SiC	1
11	Inner Seal	Carbon Ceramic	1
12	Oil Chamber	-	-
13	Seal Leakage Electrode	(When Fitted)	-
-	Cable (see below)	Neoprene Sheath	-
-	O-Ring Seals	Viton	4
-	Free Standing Discharge Bend	Cast Iron (option)	1
-	Auto Coupling Pedestal Bend	Cast Iron (option)	1
-	Paint Finish: Chlorinated Rubber	-	-

SPECIFICATIONS

MODEL	OUTLET	MOTOR OUTPUT kW	RPM	RATED CURRENT*	STARTING CURRENT*		CABLE (see notes)	P.T.B. CERTIFICATION
					DIR	YID		
E150-7.5-2	150mm	7.5	1420	16.5	111.0	37.0	1 x 10core x 1.5mm ² x 15m	PTB 02 ATEX 1092
E150-11.0-3	150mm	11.0	1460	23.0	160.0	53.0	1 x 12core x 2.5mm ² x 15m	PTB 02 ATEX 1092
E150-15.0-4	150mm	15.0	1460	30.5	215.0	72.0	2 x 4core x 6mm ² x 15m & 1 x 5core x 1.5mm ² x 15m	PTB 02 ATEX 1092
E150-18.5-5	150mm	18.5	1460	36.5	255.0	84.8		PTB 02 ATEX 1092

* at 400V 3Ph 50Hz. 7.5kW motor when seal leak electrode fitted, cable = 1 x 12core x 2.5mm² x 15m
Cables outer diameter: 10core x 1.5mm² = 19/20mm; 12core x 2.5mm² = 24/25mm; 4core x 6mm² = 19/21mm; 5 core x 1.5mm² = 14/15mm

Flameproof rating EExd IIB T4. Degree of protection IP68 to 30 metre submersion depth.

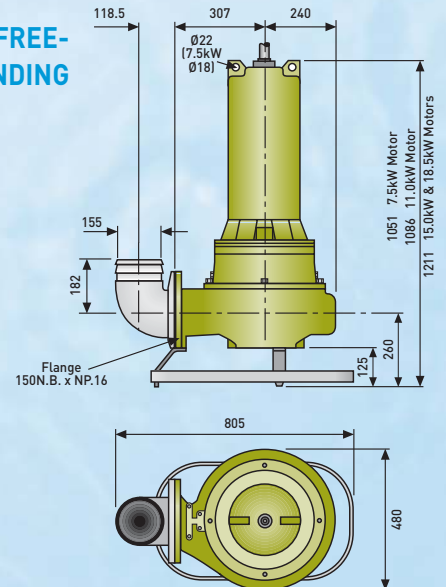
Insulation: Class F.

Motor thermal protection by thermostat: 11.0kW & 18.5kW = 3 x 105°C (control) + 3 x 120°C (limiting), 7.5kW & 15.0kW = 3 x 120°C + 3 x 130°C.
Maximum liquid temperature: 40°C. Pumps are available with seal leakage electrode fitted in motor as a factory fitted original-built optional extra, to provide indication of water leakage past the mechanical seal.

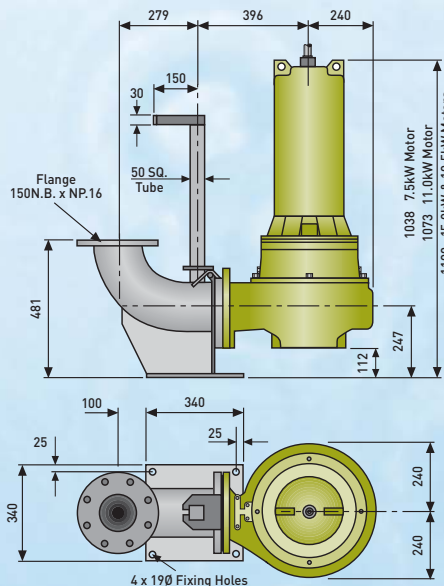
WEIGHTS

	E150-7.5	E150-11.0	E150-15.0	E150-18.5
FREE STANDING:				
PUMP WITH 15m CABLE, DISCHARGE BEND & PUMPSTAND	227kg	298kg	342kg	355kg
AUTO COUPLING:				
PUMP WITH 15m CABLE & GUIDE HOOK	192kg	263kg	307kg	320kg
PEDESTAL BEND	60kg	60kg	60kg	60kg

FREE-STANDING



AUTO-COUPLING



T-T PUMPS
& **T-T CONTROLS**

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