



# HEIDE-PUMPEN

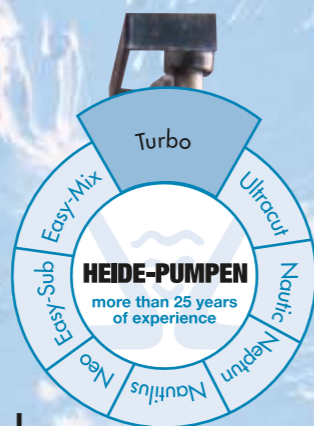
more than 25 years of experience



# TURBO

## Submersible sewage and sludge pump

For dewatering and sludge disposal, dewatering of wastewater from community and industry.



ISO 9001  
BUREAU VERITAS  
Certification



## SPECIFICATIONS



Power		0,75 - 45 kW	
Liquid temp.		0 - 40 °C	
Liquid nature		waste water, sewage water, and sludge up to 120 mm solids max.	
Max depth		30 m	
Pump	Structure	Mech seal	Double mechanical seal, add. Lipseal
		Impeller	0,75 - 3,7 kW semi-open - U, 0,75 - 5,5 kW open Vortex - F, 5,5 - 45 kW channel K
	Material	Casing	Cast iron GG-20 - EPOXY
		Upper cover	Cast iron GG-20 - EPOXY
		Impeller	GGG < DN 100 - GG > DN 150
Inst.-acc.	Cast iron GG-20 - EPOXY		
M.seal	Sic/Sic		
Motor	Type	Motor IP 68 for wet installation	
	HEIDE-guard system	0,75 - 10 kW: HEIDE-Motor Guard from 11 kW: temperature sensor	
	Material	Housing	GG 20
		Shaft	stainless steel
		Cable	H07 RN-F

## HEIDE GUIDE RAIL-SYSTEM



The HEIDE guide rail system will be installed where submersible pumps operate stationary. Due to the uncomplicated connection to the guide rail system an access to the engine shaft is not necessary. In case of revisions, maintenance, etc. the pump can be lifted out of the engine shaft by chain along the guide rail.

The up to 10 KW HEIDE guard system -which is integrated in the pump head- protects against overheating, in case rotor blocking, uneven phases, voltage fluctuation and against single-phase running at three-phased motors.

From 11 KW/turbo 615: Temperature sensor in the coil.

**Before operation please connect with a protection plug up to 10 KW or insert to a switchboard which is prepared for the motor-current. Caution! The electrical installations must conform to national and local regulations.**

Additional options: wear-resistant impeller, control systems, pipes, accessories and hoses

Contents of delivery: pump with bare cable end (20m H07RN-F)

Please consider our general business conditions.

**ALL PUMPS AVAILABLE IN RENTAL FLEET.**

The data given, must not be considered binding, Heide-Pumpen reserves the right to alter and improve the products at any time, without prior warning.

Please notice our large program of accessories!

### HEIDE-PUMPEN

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# TURBO



Temperature sensor in the coil starting from size of turbo 615

up to 10 kW: motor control with HEIDE-Guard-System  
from size Turbo 615: Water detector (WD) leakage sensor to monitor liquid intrusion into the seal oil chamber

**Options:** Connecting rod for stationary installation, guide tubes, hook, oil control system, storage temperature control and cooling jacket.



**Turbo 37F**



**Turbo 33U**



**Turbo 55F**



**Turbo 610K**



**Turbo 615**

**F-type impeller**  
The vortex impeller creates a rotating curl and allows pumping fluids with long fibrous materials. The solids do not contact the impeller and thus the abrasion is reduced.



**U-type impeller**  
Semi-open impeller embedded with tungsten blade to enable cut foreign particles and prevent clog by solid media.



**K-channel impeller**  
Impeller provides excellent solid passage with high efficiency and non-clog features

**TURBO**

	Type	Power (kW)	Current (A)	Discharge mm	Speed rpm	Head m opt. max	Capacity l/min opt. max	Dimensions ø mm	Hight mm	Weight kg	Solids pass. max mm	cable length m
1	2.4 F	0,4	1,3	50	2900	6 10	150 350	236	418	20	35	20
2	2.8 F	0,75	1,9	50	2900	8 12,5	200 400	236	418	21	35	20
3	15 F	1,5	3,4	80	2900	6 8,5	500 900	412	547	40	46	20
4	35 F	3,7	8,0	80	2900	16 22	500 1300	478	588	56	56	20
5	15 U	1,5	3,4	80	2900	8 17,5	550 1000	412	547	38	31	20
6	33 U	2,2	5,0	80	2900	10 21	600 1300	412	570	42	32	20
7	4.4 F	0,4	1,3	50	1450	3,5 5,5	250 480	346	516	28	50	20
8	4.8 F	0,75	2,1	50	1450	5 7,5	280 600	346	516	29	50	20
9	41.5 F	1,5	3,8	80	1450	5 8	600 1200	500	622	53	76	20
10	42.2 F	2,2	5,3	80	1450	7 10	600 1300	538	673	73	76	20
11	37 F	3,7	7,7	80	1450	10 13	600 2000	538	697	80	76	20
12	41.5 U	1,5	3,9	80	1450	8,5 14	500 1100	530	567	54	50	20
13	42.2 U	2,2	5,5	80	1450	10,5 16	600 1300	553	623	73	50	20
14	37 U	3,7	8,8	80	1450	11 20	1000 1600	553	643	82	50	20
15	43.7 U	3,7	8,8	100	1450	11,5 18	1000 2300	570	643	84	50	20

TURBO **F** = F-impeller VORTEX **K** = Channel - impeller **U** = semi-open U-impeller

	Type	Power (kW)	Current (A)	Discharge mm	Speed rpm	Head m opt. max	Capacity l/min opt. max	Dimensions ø mm	Hight mm	Weight kg	Solids pass. max mm	cable length m
16	55 F	5,5	12,2	100	1450	11 14,5	1000 2400	687	807	139	65	20
17	55 K	5,5	12,2	100	1450	14 22,5	1000 2100	687	807	144	40	20
18	75 K	7,5	16,2	100	1450	18 29	1000 2600	687	816	163	40	20
19	610 K	7,5	16,2	150	1450	11 19	2500 5200	888	870	230	70	20
20	615 K	11	23	150	1450	15,5 26	2500 6300	895	1026	263	70	20
21	620 K	15	28,5	150	1450	22 34	2500 6300	806	938	190	76	20
22	630 K	22	42,5	150	1450	29 39	2500 6300	850	1021	250	76	20
23	815 K	11	23	200	1450	10 17,5	4500 10500	1045	1032	280	65	20
24	820 K	15	28,5	200	1450	14 25,5	4500 11000	1045	1032	288	65	20
25	830 K	22	43	200	1450	18 35	4500 7000	932	1001	320	76	20
26	1030 K	22	43	250	1450	13 31	6000 9300	1007	1089	440	79	20
27	1040 K	30	68	250	1450	17 22	7000 12000	1273	1621	765	60	20
28	1050 K	37	80	250	1450	22 37	7000 13000	1273	1621	770	60	20
29	1430 K	22	43	350	960	6 13	14000 22000	1564	1764	950	120	20
30	1440 K	30	68	350	960	8,5 15	14000 27000	1564	1764	955	120	20
31	1650 K	37	80	400	960	7,5 17	20000 28000	1544	1764	965	120	20
32	1660 K	45	92	400	960	9 18	20000 28000	1544	1764	970	120	20