

WASTEWATER VORTEX SUBMERSIBLE PUMPS



UM/UAVN400/50/1
UM/UAVN400/50/3
UAVN400/50/1 – FSLC
UM/UAVN750/50/1
UM/UAVN750/50/3
UAVN750/50/1 – FSLC

UM/UAVN1500/80/1
UM/UAVN1500/80/3

UM/UAVNLS1500/80/1
UM/UAVNLS1500/80/3
UMVN2200/80/3

UMVN3700/80/3

UMVN5500/100/3

GUIDE RAIL SYSTEM

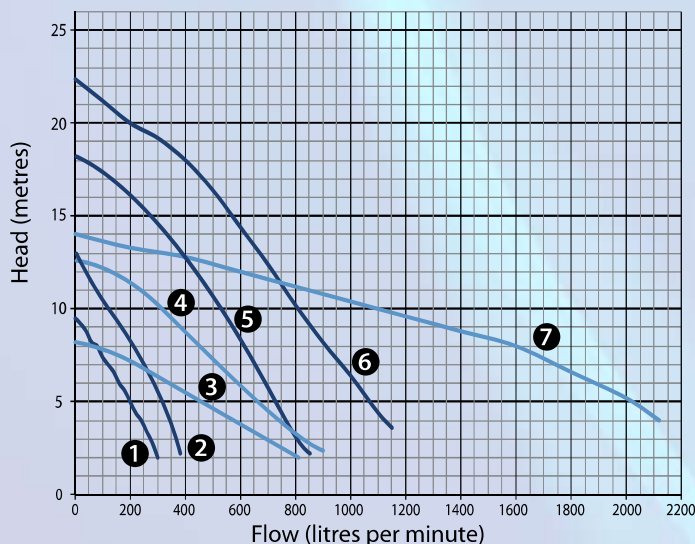
FEATURES

- CE & ISO 9001 certified
- All metal construction
- Dual mechanical seal + lip seal in oil bath
- Silicon carbide faces to lower seal
- Capacitors & relays for 240 volt models are built in motor cap
- Can be installed with a guide rail system
- Anti-wicking, epoxy filled cabled gland

APPLICATIONS

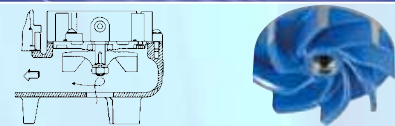
- Raw sewage transfer
- Light sludges and slurries
- Trade waste disposal
- Grey water and septic transfers
- Pumping liquids with soft solids

PERFORMANCE CURVES



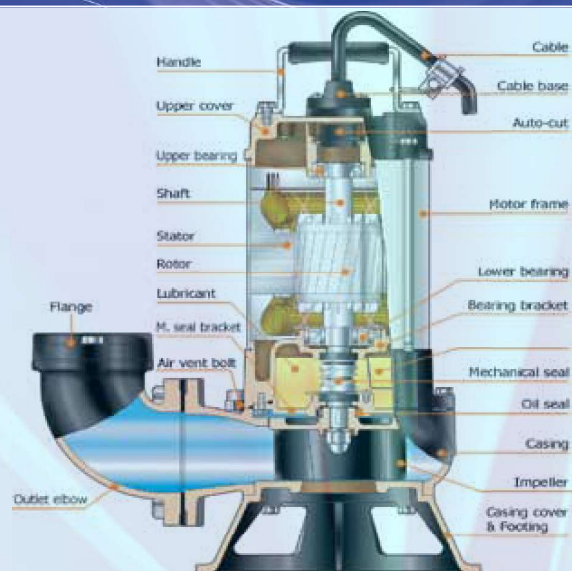
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|---|---------------------|
| 1. UM/UAVN400/50/1, UM/UAVN400/50/3,
UAVN400/50/1 – FSLC | 5. UM/UAVN2200/80/3 |
| 2. UM/UAVN750/50/1, UM/UAVN750/50/3,
UAVN750/50/1 – FSLC | 6. UMVN3700/80/3 |
| 3. UM/UAVNLS1500/80/1, UM/UAVNLS1500/80/3 | 7. UMVN5500/100/3 |
| 4. UM/UAVN1500/80/1, UM/UAVN1500/80/3 | |

VORTEX IMPELLER



Vortex open bladed impeller for handling soft solids

CROSS-SECTION





WASTEWATER VORTEX SUBMERSIBLE PUMPS

MATERIALS

POWER CABLE HANDLE	HO7RN 304 grade stainless steel
MOTOR CASING	Cast iron for UMVN5500/100/3 304 grade stainless steel for 0.4kW, 0.75kW, & 1.5kW models Cast iron for 1.5kW 'LS' series, 2.2kW, 3.7kW & 5.5kW models
MOTOR CAP	Cast iron
SEAL HOUSING	Cast iron
DUAL MECHANICAL SEAL	Silicon carbide faces to lower seal, carbon ceramic faces to upper seal, nitrile elastomers.
LIP SEAL	Nitrile
CASING & COVER PLATE	Cast iron
IMPELLER	Cast iron
SHAFT	304 grade stainless steel

ELECTRICAL DATA

MODEL	VOLTS	kW	FULL LOAD AMPS	RPM	IP	CABLE LENGTH
UM/UAVN400/50/1 (& FSLC)	240	0.4	3.2	2900	68	10m
UM/UAVN400/50/3	415	0.4	1.3	2900	68	10m
UM/UAVN750/50/1 (& FSLC)	240	0.75	5.0	2900	68	10m
UM/UAVN750/50/3	415	0.75	1.8	2900	68	10m
UM/UAVN1500/80/1	240	1.5	9.8	2900	68	10m
UM/UAVN1500/80/3	415	1.5	3.4	2900	68	10m
UM/UAVNLS1500/80/1	240	1.5	9.8	2900	68	10m
UM/UAVNLS1500/80/3	415	1.5	3.4	2900	68	10m
UM/UAVN2200/80/3	415	2.2	4.8	2900	68	10m
UM/UAVN3700/80/3	415	3.7	7.7	2900	68	10m
UM/UAVN5500/100/3	415	5.5	12.0	1440	68	10m

DIMENSIONS & WEIGHT

MODEL	DISCHARGE	MAX SOLID SIZE	LENGTH	WIDTH	HEIGHT	WEIGHT
UM/UAVN400/50/1	50mm	35mm	237mm	154mm	427mm	16kg
UM/UAVN400/50/3	50mm	35mm	237mm	154mm	427mm	16kg
UAVN400/50/1-FSLC	50mm	35mm	287mm	154mm	427mm	16kg
UM/UAVN750/50/1	50mm	35mm	237mm	154mm	427mm	18kg
UM/UAVN750/50/3	50mm	35mm	237mm	154mm	427mm	18kg
UAVN750/50/1-FSLC	50mm	35mm	287mm	154mm	427mm	18kg
UM/UAVN1500/80/1	80mm	25mm	408mm	258mm	610mm	43kg
UMVN1500/80/3	80mm	25mm	408mm	258mm	530mm	38kg
UAVN1500/80/3	80mm	25mm	408mm	258mm	610mm	43kg
UM/UAVNLS1500/80/1	80mm	76mm	443mm	255mm	700mm	43kg
UMVNLS1500/80/3	80mm	76mm	443mm	255mm	622mm	39kg
UAVNLS1500/80/3	80mm	76mm	443mm	255mm	700mm	43kg
UMVN2200/80/3	80mm	50mm	379mm	202mm	524mm	38kg
UAVN2200/80/3	80mm	50mm	379mm	202mm	607mm	45kg
UMVN3700/80/3	80mm	56mm	478mm	220mm	588mm	56kg
UMVN5500/100/3	100mm	65mm	687mm	405mm	795mm	131kg