

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

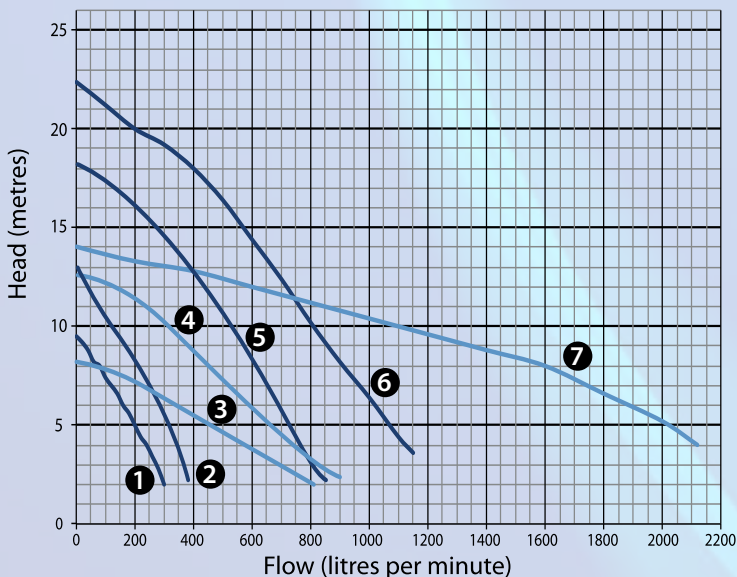
FEATURES

- 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

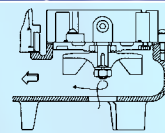
- Raw sewage transfer
- Light sludges and slurries
- Trade waste disposal
- Grey water and septic transfers
- Pumping liquids with soft solids

PERFORMANCE CURVES



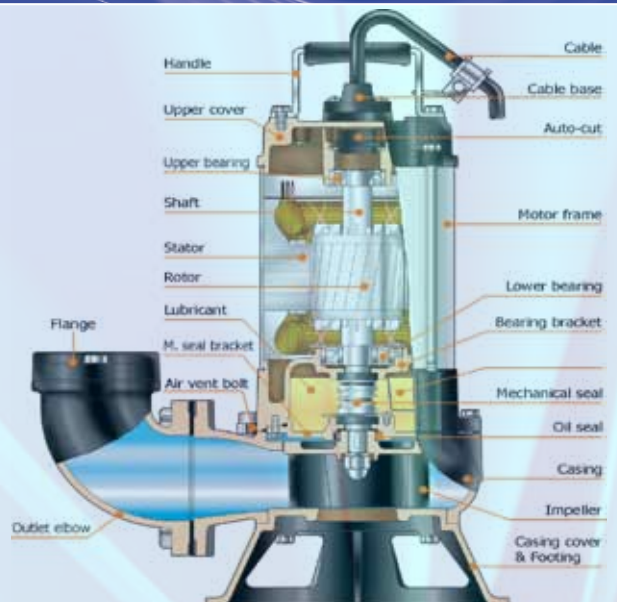
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|---|---------------------|
| 1. UM/UAVN400/50/1, UM/UAVN400/50/3,
UAVN400/50/1 – FSLC | 5. UM/UAVN2200/80/3 |
| 2. UM/UAVN750/50/1, UM/UAVN750/50/3,
UAVN750/50/1 – FSLC | 6. UMVN3700/80/3 |
| 3. UM/UAVNLS1500/80/1, UM/UAVNLS1500/80/3 | 7. UMVN5500/100/3 |
| 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 SEAL HOUSING	Cast iron
DUAL MECHANICAL SEAL LIP SEAL	Silicon carbide faces to lower seal, carbon ceramic faces to upper seal, nitrile elastomers. 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

Information subject to change without notice.