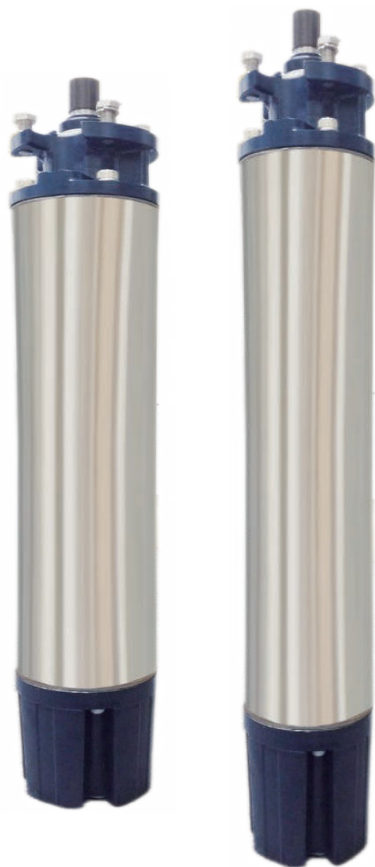


General Data

UMA 150



Standard Voltage					
6"	50Hz	3ø	5.5-30HP	4.0-22kW	220-240V
			5.5-50HP	4.0-37kW	380-415V
	60Hz	3ø	5.0-30HP	3.7-22kW	220-230V
			5.0-50HP	3.7-37kW	380V
			5.0-50HP	3.7-37kW	460V

Product advantages

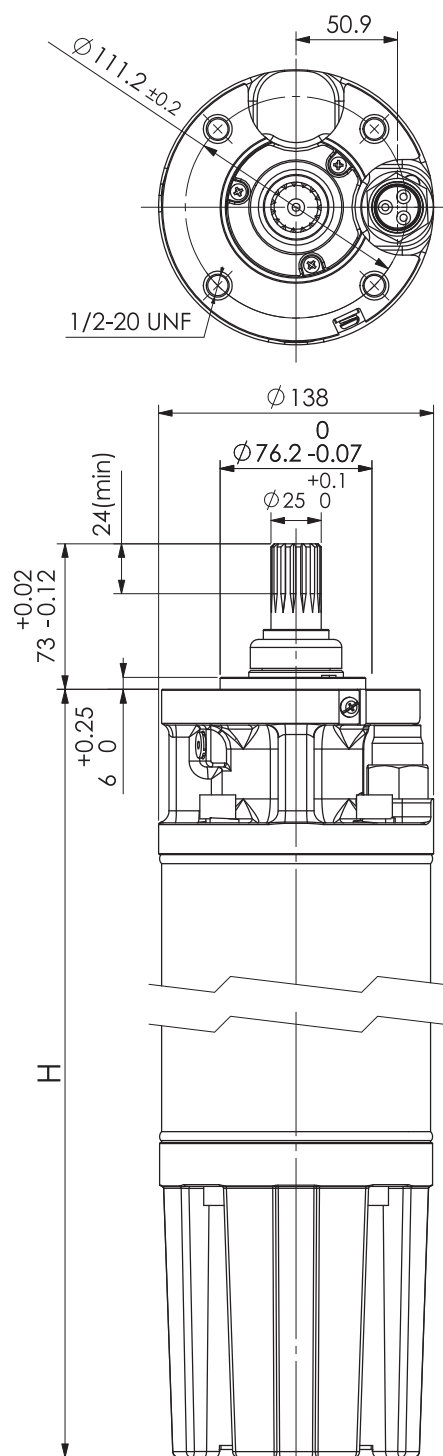
- Hermetically sealed stator, anti-track, stator resin filled prevent motor burn out.
- High efficiency provides operation cost savings
- Thrust Pad
- Copper wiring
- Pressure equalizing diaphragm
- Removable lead connector
- Standard NEMA mounting dimensions
- Motor with carbon and ceramic Mechanical seal.
(Optional : SiC / SiC)

Technical Specifications

- Max. Immersion depth: 350m
- Protection: IP68
- Nos. of start per hour: max 20 at regular intervals.
- Insulation: Class F
- Rated ambient temperature: 30°C with min.
- Cooling flow 0.16 m/s of water flow speed
- Standard installation position: vertical and horizontal

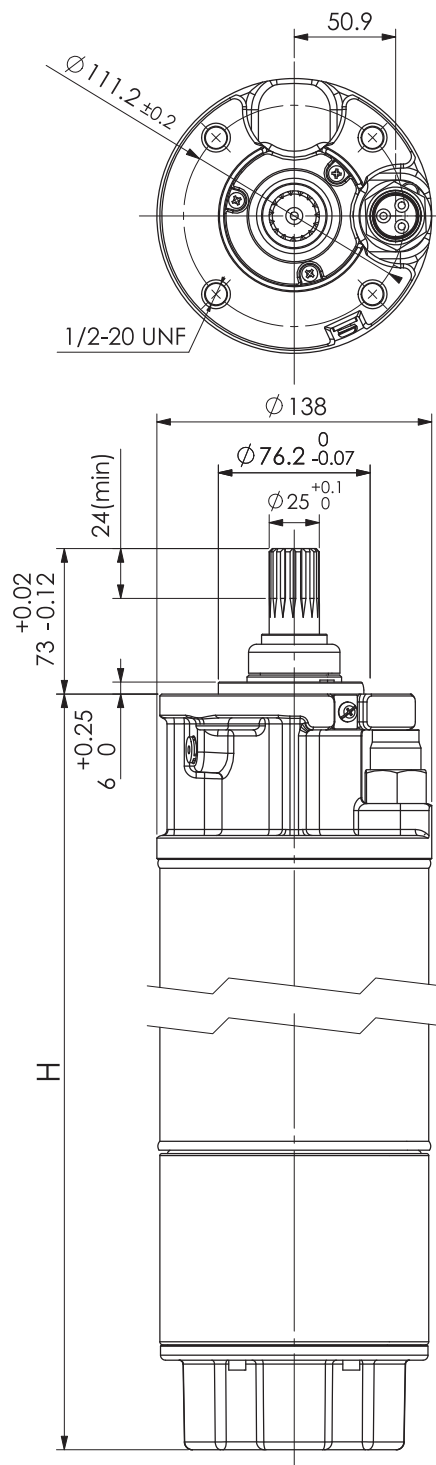
Dimension

UMA 150



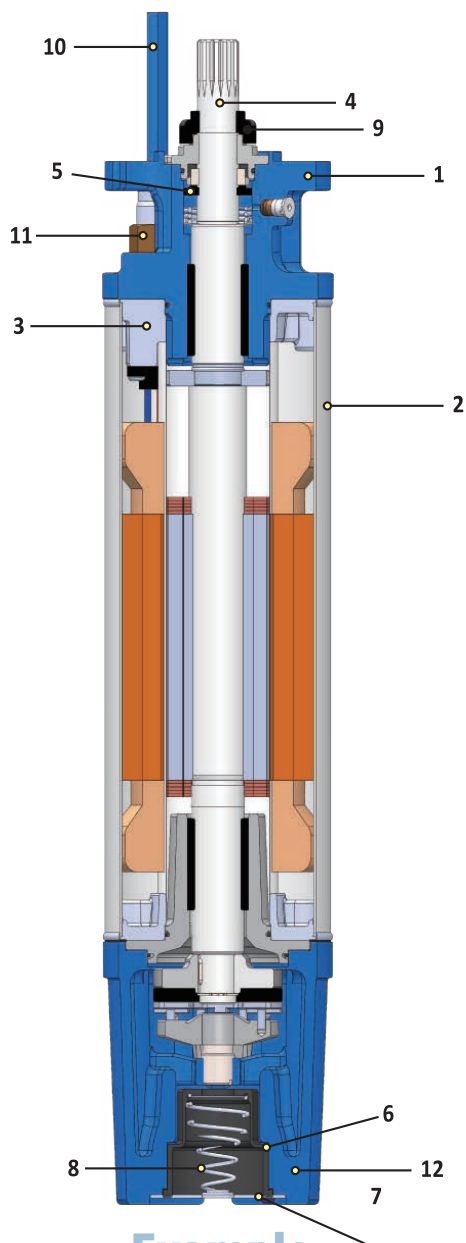
Cast iron

HP	kW	H(mm)
5	3.7	582
5.5	4	582
7.5	5.5	627
10	7.5	662
15	11	727
20	15	787
25	18.5	857
30	22	907
40	30	1047
50	37	1417



304SS / 316SS

HP	kW	H(mm)
5	3.7	574
5.5	4	574
7.5	5.5	619
10	7.5	654
15	11	719
20	15	779
25	18.5	849
30	22	899
40	30	1039
50	37	1409



Material

Example

NO.	Component	6CF	6CS	6CN
1	Upper Bracket	Cast iron	AISI 304	AISI 316
2	Stator Shell	AISI 304	AISI 304	AISI 316
3	Stator Ends	Carbon steel	AISI 304	AISI 316
4	Shaft	AISI 420	AISI 420	AISI 630
5	Mechanical Seal	Carbon / ceramic	Carbon / ceramic	SiC / SiC
6	Diaphragm	NBR	NBR	NBR
7	End Cover	AISI 304	AISI 304	AISI 316
8	Spring	AISI 304	AISI 304	AISI 316
9	Sand Slinger	NBR	NBR	NBR
10	Lead Wire (Cable)	XLPE	XLPE	XLPE
11	Cable Jam Nut	Brass	AISI 304	AISI 316
12	Lower Bracket	Cast iron	AISI 304 over Iron	AISI 316 over Iron
	Lead Potting	Epoxy	Epoxy	Epoxy
	Mechanical Seal / Rubber Components	NBR	NBR	NBR
	Thrust Pad	AISI 420	AISI 420	AISI 420

DOL (One Cable Only)

Three Phase 60Hz

220-230V

Motor	P2		S.F	Voltage	In	Imax	Istart	PF%		Efficiency%		Nn	Thrust	Cable		N.W	G.W
	HP	KW		V	A	A	A	allowable Load	overload Factor	allowable Load	overload Factor	RPM	N	M	AWG	kg	kg
05 3 220	5	3.7	1.15	220	15.4	17.3	71.8	0.82	0.84	76.2	76.3	3450	15500N	4	10	40.95	46.35
				230	15.6	17.2	76.2	0.78	0.81								
075 3 220	7.5	5.5	1.15	220	21.7	24.2	130.2	0.83	0.85	79.9	80.1	3450	15500N	4	10	43.93	49.68
				230	22.1	24.2	139.0	0.78	0.81								
10 3 220	10	7.5	1.15	220	28.5	32.4	107.0	0.87	0.88	78.9	78.4	3450	15500N	4	10	47.06	53.08
				230	27.9	31.4	112.0	0.85	0.87								
15 3 220	15	11.0	1.15	220	41.8	48.7	148.0	0.87	0.87	79.3	77.7	3450	15500N	4	10	51.26	57.67
				230	40.2	46.1	156.0	0.85	0.86								
20 3 220	20	15.0	1.15	220	55.8	65.0	203.0	0.84	0.84	79.1	76.1	3450	15500N	4	8	58.41	65.22
				230	54.0	63.5	213.0	0.86	0.84								
25 3 220	25	18.5	1.15	220	70.1	80.8	302.4	0.84	0.85	81.9	80.8	3450	15500N	4	8	64.82	72.59
				230	69.1	77.8	317.1	0.81	0.83								
30 3 220	30	22.0	1.15	220	85.5	95.6	429.6	0.82	0.85	81.4	81.2	3450	15500N	4	8	68.48	76.46
				230	88.3	96.9	451.0	0.77	0.81								

460V

Motor	P2		S.F	Voltage	In	Imax	Istart	PF%		Efficiency%		Nn	Thrust	Cable		N.W	G.W
	HP	KW		V	A	A	A	allowable Load	overload Factor	allowable Load	overload Factor	RPM	N	M	AWG	kg	kg
05 3 460	5	3.7	1.15	460	7.9	8.8	37.1	0.77	0.80	75.8	75.9	3450	15500N	4	10	39.54	44.94
075 2 460	7.5	5.5	1.15	460	11.0	12.1	64.8	0.78	0.81	80.3	80.5	3450	15500N	4	10	43.97	49.72
10 3 460	10	7.5	1.15	460	14.3	15.9	71.6	0.80	0.83	81.4	81.5	3450	15500N	4	10	47.29	53.31
15 3 460	15	11.0	1.15	460	21.2	23.9	67.2	0.80	0.82	81.2	80.8	3450	15500N	4	10	53.35	59.49
20 3 460	20	15.0	1.15	460	28.6	31.7	152.0	0.80	0.83	82.0	82.1	3450	15500N	4	10	59.05	65.59
25 3 460	25	18.5	1.15	460	34.0	38.0	142.3	0.81	0.83	84.0	83.8	3450	15500N	4	10	65.89	72.95
30 3 460	30	22.0	1.15	460	37.6	43.0	148.2	0.87	0.88	84.3	83.6	3450	15500N	4	10	70.63	78.17
40 3 460	40	30.0	1.15	460	55.0	61.7	394.0	0.81	0.82	82.8	82.8	3450	27500N	4	8	83.53	92.98
50 3 460	50	37.0	1.15	460	67.8	77.2	409.0	0.81	0.82	81.9	82.7	3450	27500N	4	8	116.87	127.2