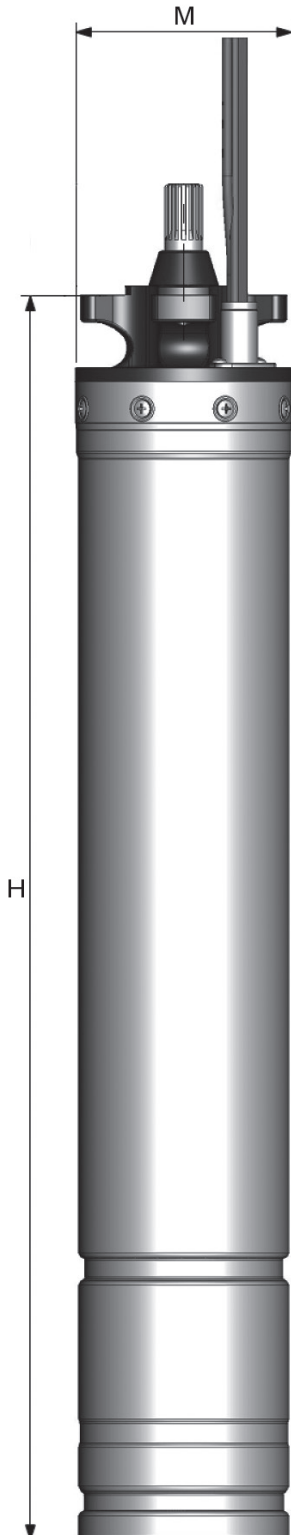


HYA8 HYA10

8"/10" Rewindable water cooled submersible motors



hydroo®

ELECTRICAL FEATURES - 2 POLES - 50/60HZ

Nom. Ø	Motor type	Rated power		I _n Rated current		η Efficiency in %			cos φ Power factor		
		CV	kW	230V ±5%	400V ±5%	4/4	3/4	2/4	4/4	3/4	2/4
8"	HYA8-4500	60	44	159	92	84	85	87	87	84	77
	HYA8-5500	75	55	196,5	113,5	84,5	85,5	87,5	87,5	85	77,5
	HYA8-6600	90	66	233	134,5	85	85,5	88	88	85	78
	HYA8-7500	100	75	259	149,5	85	86	88	88	85	78
	HYA8-9200	125	92	319,5	185	85	86	88	88	85	78
10"	HYA10-7500	100	75	259	149,5	85	86	88	88	85	78
	HYA10-9200	125	92	319,5	185	86	85,5	88	88	85	78
	HYA10-11000	150	110	379	219	86	85,5	89	89	86	79
	HYA10-12900	175	129	440	254,5	85,5	86,5	90	90	87	80

Nom. Ø	Motor type	Starting mode				Axial thrust	Max. water temp.	Starts /h
		DOL		Y-Δ	Statoric			
		C _s /C _n	I _s /I _n	I _s /I _n	I _s /I _n	daN	°C	Max
8"	HYA8-4500	1,95	5,7	2	3,7	4500	30	10
	HYA8-5500	1,95	5,8	2	3,7			
	HYA8-6600	1,85	5,8	2	3,6			
	HYA8-7500	1,8	5,7	1,9	3,5			
	HYA8-9200	1,8	5,7	1,9	3,5			
10"	HYA10-7500	1,8	6,4	1,9	3,4	4500	30	6
	HYA10-9200	1,7	6,3	1,9	3,4			
	HYA10-11000	1,6	6,7	1,8	3,3			
	HYA10-12900	1,55	6,5	1,8	3,3			

C_s: Starting torque - C_n: Nominal torque - I_s: Starting current - I_n: Nominal current

Protection: IP 68

Insulation: Class F

Service factor: 50Hz=1 60Hz=1,2

Direction of rotation (view from shaft projection side: anti-clockwise)

Horizontal installation is allowed with 8° minimum slope.

Material versions: Cast iron, Stainless steel (AISI304, AISI316 or AISI904) wet parts.

Winding options: PVC/PPC or PE2+PA on demand.

Kingsbury type thrust bearing

Temperature sensor PT100/PTC on demand

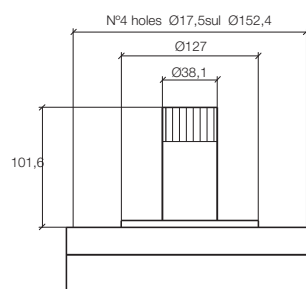
Sand protected **silicon carbide** mechanical seal.

Control panels available on demand.

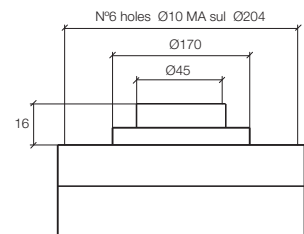
Cooling sleeves available on demand.

COUPLING FLANGE

8" Submersible motors
NEMA standard

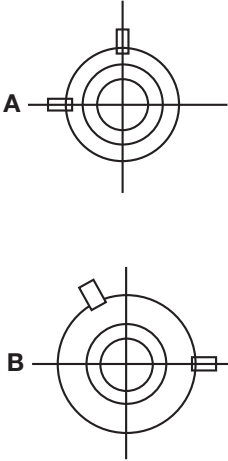


10" Submersible motors



OVERALL DIMENSIONS

Nom. Ø	Motor type	H	M	Cable outlet					Motor weight	
				Cross section mm ² Starting mode				Length		Position
		DOL		Y-Δ		m	kg			
		mm	mm	230V ± 5%	400V ± 5%			230/400V	400/690V	
8"	HYA8-4500	1220	194	3x(1x25)	3x(1x16)	6x(1x16)	6x(1x10)	3	A	169
	HYA8-5500	1370		6x(1x25)	3x(1x25)	6x(1x25)	6x(1x16)			196
	HYA8-6600	1490								229
	HYA8-7500	1590								244
	HYA8-9200	1740								256
10"	HYA10-7500	1410	240	-	-	-	6x(1x25)	B	305	
	HYA10-9200	1540							355	
	HYA10-11000	1730							405	
	HYA10-12900	1910							465	



ELECTRIC CABLES - MAXIMUM LENGTH

230V 3 phase		DOL or STATORIC STARTING						
Motor		3 cables 1x... mm ²						
kW	HP	50	70	95	120	150	185	240
45	60	84*	120	162	206	257	317	410

400V 3 phase		DOL or STATORIC STARTING										
Motor		1 cable 3 x...mm ²		3 cables 1x... mm ²								
kW	HP	25	35	50	70	95	120	150	185	240	300	400
45	60	140	196	258	362							
55	75	108*	152	213	298	404						
66	90		135*	178	249	338	426					
75	100			151*	211	286	362					
90	125				165	224	283	354	437			
110	150				142*	182	243	304	375			
132	180					157*	198	247	305	295		
147	200						174	228	281	364		
170	230							200	246	319	398	
191	260								220	285	358	
220	300									248	307	408
250	340									219	274	365

230V 3 phase		Y-Δ STARTING								
Motor		2 cables 3 x... mm ²		6 cables 1x...mm ²						
kW	HP	25	35	50	70	95	120	150	185	240
45	60	71	100	137	192	261	329	396		
55	75		79	113	158	216	272	341		
66	90		64	95	133	180	228	285	351	
75	100			81	113	164	194	242	301	390

400V 3 phase		Y-Δ STARTING											
Motor		2 cables 3 x...mm ²				6 cables 1x mm ²							
kW	HP	10	16	25	35	50	70	95	120	150	185	240	
45	60	87*	138	217	304	412							
55	75		108*	171	239	341							
66	90			138	193	285	400						
75	100			117	164	242	339	460					
90	125				128	189	264	359	453				
110	150					166	233	315	398				
132	180					136*	190	258	325	406			
147	200						176	239	300	376			
170	230							210	263	330	407		
191	260								187	234	294	362	
220	300									202	254	312	406
250	340									180*	228	278	361

(*) For neoprene cable only.
 Tables are referred to water 30 °C. If temperature is higher please apply our technical department.
 0,2m/s recommended flow for water cooling.
 Maximum immersion depth: 250m.
 For 415 V the cables length shown in the 380 tables can be increased by 10%.