PYD
ELECTROBOMBAS

MOTORES
MSI6

MOTORES 6” EN ACERO INOXIDABLE
6” SS MOTORS • MOTEURS 6” EN INOX

REBOBINABLES EN BAÑO DE AGUA
REWINDABLE, WATER COOLED • REMBOBINABLE REFRIGÉRÉ PAR EAU

CATÁLOGO TÉCNICO

Motores sumergibles de alta eficiencia para hidráulicas con acoplamiento NEMA rebobinables y fabricados 100% en acero inoxidable. Refrigeración del bobinado mediante baño de agua.

High efficiency submersible motors with NEMA coupling, rewindable and 100% made of stainless steel. Winding refrigerated by water.

Moteurs submersibles de rendement élevé avec accouplement NEMA, rembobinable et 100% en acier inoxydable. Bobinage réfrigéré par l'eau.

MATERIALES		MATERIALS		MATÉRIELS	
Eje rotor	Acero Inox.	Rotor shaft	SS	Arbre	INOX
Camisa	Acero Inox.	Motor housing	SS	Couverture	INOX
Tornillería	Acero Inox.	Hardware	SS	Vis	INOX
Cojinetes	Carbono	Bearing set	Carbon	Roulements	Carbone
Base	Acero Inox.	Motor base	SS	Base du moteur	INOX

RANGO DE TRABAJO		WORKING RANGE		PLAGE DE TRAVAIL	
Protección	IP 68	Protection	IP 68	Protection	IP 68
Máx. temp. agua	35ºC	Max. water temp.	35ºC	Temp. max. eau	35ºC
Inmersión máx.	200 m	Max. depth	200 m	Profondeur max.	200 m
Arranques/hora	30	Starts per hour	30	Démarrages p.h.	30

CARACTERÍSTICAS A 50 HZ

PN		Thrust F [N]	UN [V]	nN [min-1]	IN [A]	IA [A]	η (Eff.) [%] at % load			cos φ (PF) at % load			TN [Nm]	TA [Nm]
[H.P.]	[kW]						50	75	100	50	75	100		
3.00	2.2	15500	380	2845	6.21	21.7	62	61	62	0.68	0.70	0.72	7.41	10.63
			400	2875	6.30	22.2	61	63	65	0.64	0.70	0.71	7.30	11.78
			415	2875	6.51	23.1	59	66	67	0.61	0.69	0.71	7.30	12.66
5.50	4	15500	380	2915	10.39	47	71	74	76	0.60	0.71	0.77	13.11	15.50
			400	2935	10.61	50	69	73	76	0.54	0.66	0.74	13.11	17.31
			415	2935	10.90	52	66	72	76	0.50	0.60	0.70	13.00	18.82
7.50	5.5	15500	380	2865	13.71	47	73	76	76	0.68	0.79	0.83	18.31	15.40
			400	2885	13.30	50	72	76	76	0.62	0.75	0.81	18.20	17.30
			415	2890	13.41	54	72	75	75	0.60	0.71	0.79	18.10	18.70
10.0	7.5	15500	380	2870	18.29	58	77	78	78	0.70	0.80	0.83	25.10	19.20
			400	2890	17.70	63	76	78	78	0.66	0.75	0.81	24.80	21.40
			415	2890	17.70	64	73	74	77	0.62	0.74	0.81	24.80	23.40
12.5	9.3	15500	380	2855	22.00	75	79	80	79	0.70	0.80	0.83	31.11	25.91
			400	2860	21.30	77	79	79	78	0.63	0.75	0.81	31.00	29.00
			415	2885	21.10	81	77	79	78	0.60	0.72	0.82	30.91	31.42
15.0	11	15500	380	2865	25.79	93	77	80	78	0.71	0.80	0.84	36.60	31.50
			400	2880	25.21	97	77	80	80	0.66	0.75	0.83	36.40	35.30
			415	2890	25.10	101	75	78	80	0.61	0.73	0.81	36.30	38.10
17.5	13	15500	380	2885	30.11	117	79	81	80	0.69	0.79	0.83	43.20	45.00
			400	2900	29.60	126	78	80	81	0.62	0.75	0.80	42.70	50.20
			415	2905	29.71	131	77	79	81	0.58	0.70	0.77	42.60	54.50
20.0	15	15500	380	2880	33.91	140	80	82	81	0.72	0.82	0.85	49.71	53.80
			400	2895	33.10	147	80	81	81	0.66	0.78	0.84	49.40	60.30
			415	2900	33.00	155	78	80	81	0.61	0.74	0.82	49.20	65.40
25.0	18.5	15500	380	2870	42.31	171	80	82	81	0.68	0.79	0.84	61.72	75.21
			400	2880	42.00	182	77	80	81	0.61	0.73	0.81	61.22	84.30
			415	2895	42.49	188	76	80	80	0.58	0.71	0.78	61.00	91.20
30.0	22	15500	380	2875	49.11	217	82	83	84	0.69	0.78	0.83	72.62	91.10
			400	2900	49.00	231	80	82	83	0.61	0.74	0.81	72.48	102.10
			415	2910	49.59	239	76	81	82	0.57	0.68	0.78	72.20	110.60
35.0	26	15500	380	2890	57.49	267	82	84	83	0.69	0.79	0.85	86.10	120.40
			400	2905	56.72	283	81	82	83	0.60	0.74	0.84	85.50	134.80
			415	2910	57.30	295	77	83	83	0.56	0.70	0.81	85.20	146.20
40.0	30	27500	380	2895	66.39	329	81	84	83	0.68	0.77	0.84	98.82	135.00
			400	2910	66.42	346	80	82	82	0.61	0.74	0.81	98.41	151.00
			415	2910	67.50	360	77	81	82	0.56	0.69	0.78	98.22	164.00
50.0	37	27500	380	2890	82.00	406	82	83	83	0.68	0.79	0.83	122.00	192.70
			400	2910	81.92	432	81	82	83	0.60	0.73	0.81	121.50	215.70
			415	2910	83.91	449	78	80	82	0.56	0.67	0.77	121.20	234.10

PN: Potencia nominal · Rated output
UN: Tensión nominal · Rated voltage
nN: RPM
IN: Int. nominal · Rated current
IA: Int. en arranque · Starting current

η: Eficiencia · Motor efficiency
cos φ: Factor potencia · Power factor
TN: Torsión nominal · Rated torque
TA: Torsión arranque · Starting torque

CARACTERÍSTICAS A 60 HZ

P_N		P_{MAX} [kW]	Thrust Load [N]	U_N [V]	n_N [min-1]	I_N [A]	I_A [A]	η (Eff.) [%] at % load			cos φ (PF) at % load			T_N [Nm]	T_A [Nm]
[H.P.]	[kW]							50	75	100	50	75	100		
3.00	2.2	2.5	15500	230	3520	10	40	70	73	76	0.51	0.62	0.72	6.64	9.8
				380	3530	6.51	33	66	71	76	0.50	0.61	0.70	5.97	8.00
				460	3520	5.59	28	70	75	77	0.55	0.65	0.74	6.64	8.13
5.50	4	4.6	15500	230	3520	26.11	105	71	75	77	0.53	0.64	0.73	12.49	18.6
				380	3530	13.30	62	67	72	77	0.51	0.64	0.71	12.41	15.1
				460	3520	10.11	51	71	76	78	0.56	0.68	0.75	12.48	15.3
7.50	5.5	6.3	15500	230	3490	26.11	106	74	78	78	0.62	0.73	0.80	17.29	15.9
				380	3480	15.39	62	75	78	78	0.65	0.75	0.81	17.29	15.0
				460	3480	12.90	51	75	77	77	0.66	0.76	0.82	17.29	15.1
10.0	7.5	8.6	15500	230	3490	35.91	145	75	78	79	0.59	0.71	0.78	23.58	22.41
				380	3485	20.79	81	76	78	79	0.65	0.75	0.81	23.58	20.20
				460	3470	17.20	65	76	78	78	0.67	0.78	0.82	23.70	19.40
12.5	9.3	10.7	15500	230	3490	44.41	183	76	79	79	0.60	0.71	0.78	29.3	28.91
				380	3470	25.60	101	77	79	80	0.65	0.75	0.81	29.4	25.89
				460	3460	20.79	78	79	80	80	0.67	0.78	0.82	29.4	24.40
15.0	11	12.7	15500	230	3480	51.21	221	77	80	81	0.61	0.72	0.80	34.59	35.61
				380	3490	30.29	129	77	81	81	0.62	0.74	0.80	34.51	34.30
				460	3480	25.00	97	78	81	80	0.69	0.77	0.83	34.70	31.50
17.5	13	15.0	15500	230	3500	62.39	289	76	80	82	0.56	0.68	0.76	40.71	50.51
				380	3505	36.30	164	77	81	82	0.59	0.71	0.79	40.71	47.21
				460	3490	29.00	124	77	81	81	0.66	0.76	0.82	40.90	43.30
20.0	15	17.3	15500	230	3500	65.89	324	80	82	83	0.64	0.74	0.81	47.1	59.52
				380	3490	39.10	188	81	83	83	0.66	0.77	0.83	47.2	56.50
				460	3495	32.11	150	80	83	83	0.69	0.78	0.84	47.1	55.61
25.0	18.5	21.3	15500	230	3490	85.39	401	77	81	82	0.60	0.71	0.77	58.11	81.81
				380	3490	52.49	249	77	81	81	0.59	0.70	0.77	58.11	83.60
				460	3480	40.60	183	80	82	82	0.65	0.76	0.81	58.39	74.51
30.0	22	25.3	15500	230	3510	100.2	521	81	84	84	0.66	0.74	0.77	68.78	96.61
				380	3510	59.89	390	82	83	84	0.67	0.76	0.78	68.78	94.91
				460	3500	47.11	231	83	84	84	0.72	0.79	0.81	69.10	85.80
35.0	26	29.9	15500	230	3510	118.3	658	83	84	85	0.63	0.72	0.76	81.29	135.00
				380	3500	67.49	360	83	85	85	0.63	0.74	0.81	81.61	121.41
				460	3510	55.71	288	83	85	85	0.64	0.75	0.84	81.6	117.20
40.0	30	34.5	27500	230	3510	135.7	757	78	81	83	0.59	0.71	0.78	93.81	139.61
				380	3510	79.59	436	79	83	84	0.62	0.75	0.81	93.89	132.90
				460	3500	64.41	345	81	83	84	0.63	0.76	0.82	94.00	126.41
50.0	37.0	42.6	27500	230	3510	135.6	757	78	82	83	0.59	0.71	0.78	93.78	139.61
				380	3510	102.7	568	77	81	82	0.59	0.72	0.78	115.8	193.61
				460	3500	79.12	430	81	84	85	0.63	0.75	0.82	115.9	177.80

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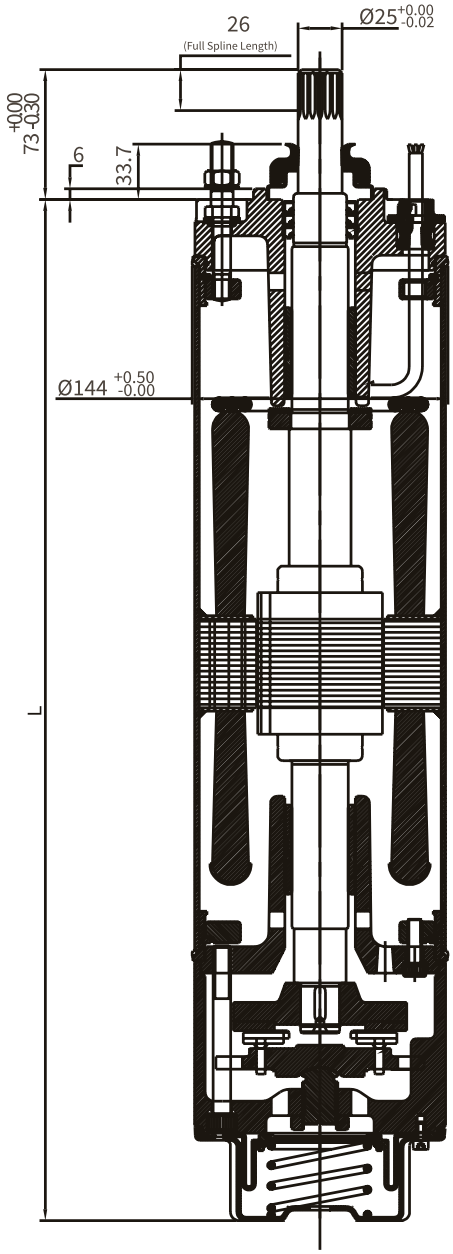
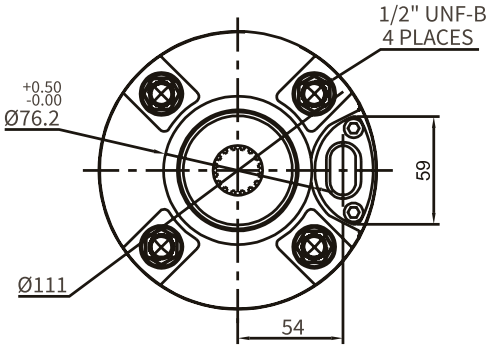
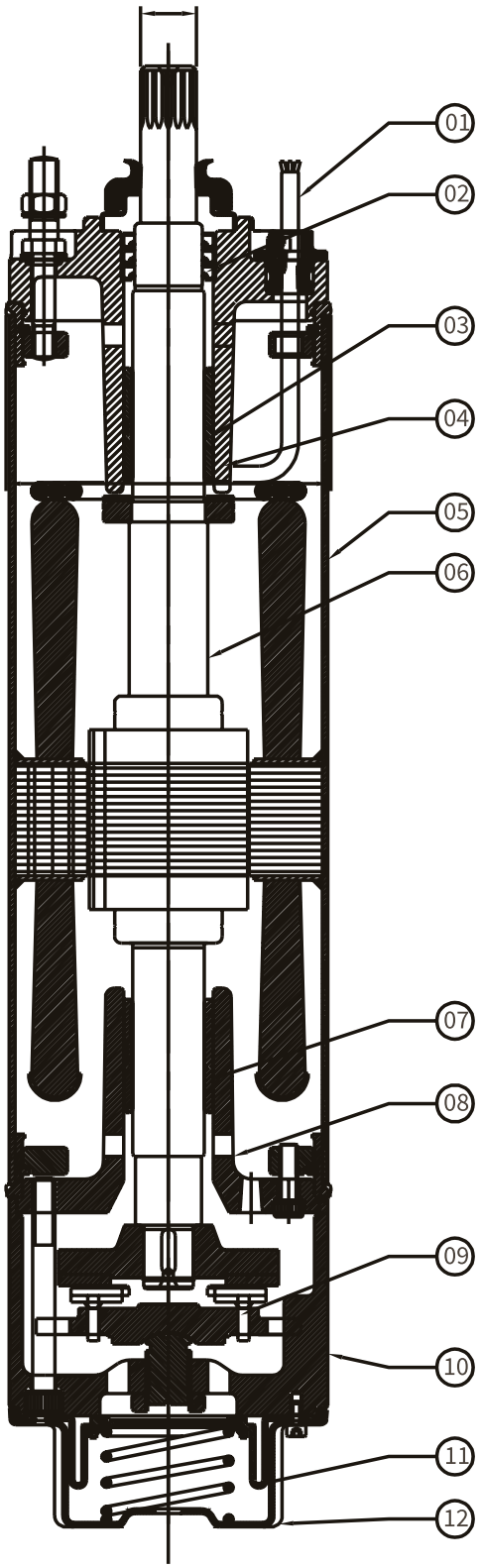
T_N: Torsión nominal · Rated torque
T_A: Torsión arranque · Starting torque

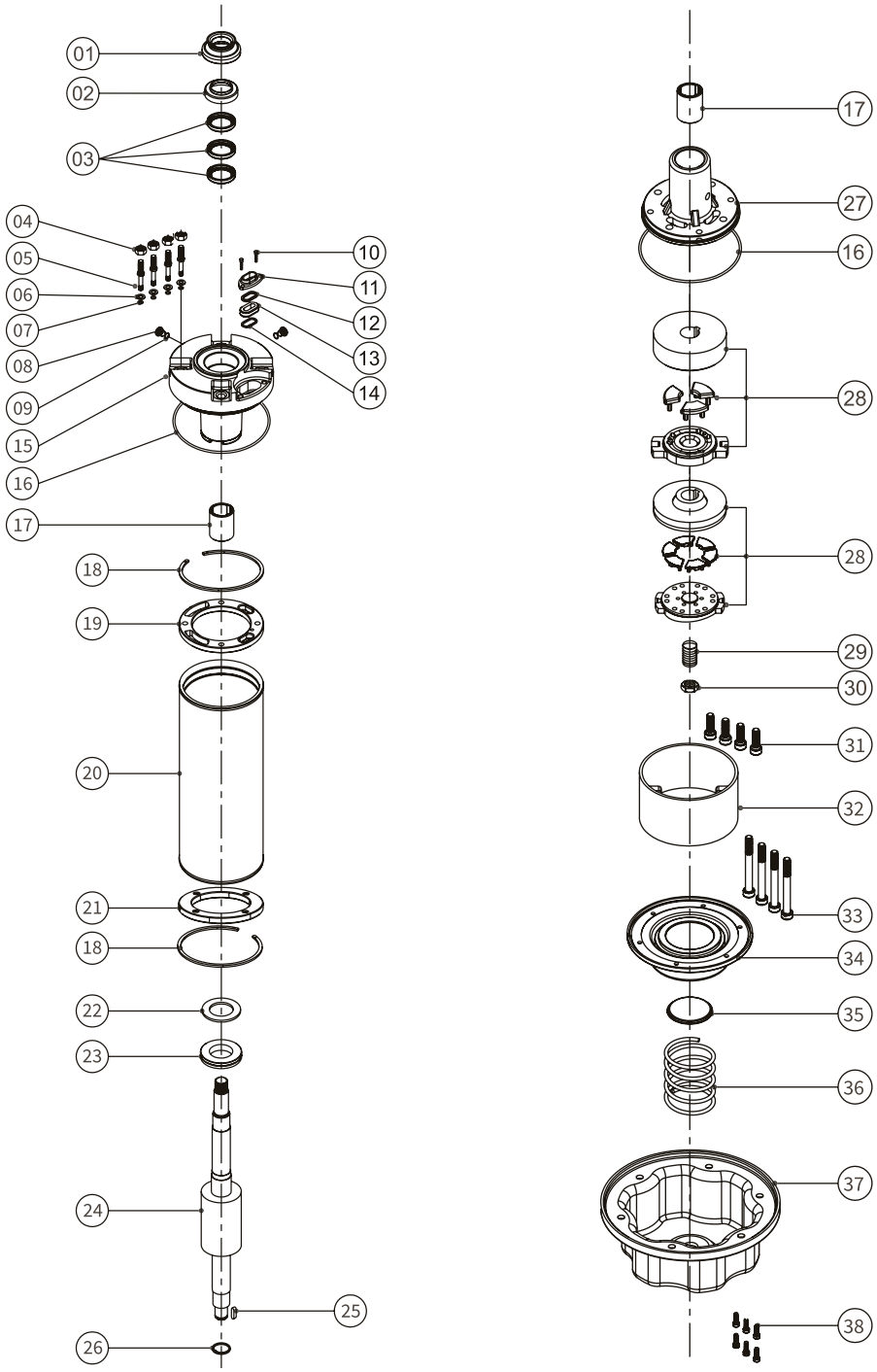




POTENCIA *POWER PUISSANCE* [KW]	[HP]	LONGITUD (L) *LENGTH LONGUEUR* [mm]	PESO NETO *NET WEIGHT POIDS NET* [Kg]	PESO BRUTO *GROSS WEIGHT POIDS BRUT* [Kg]
4,0	5,5	662	43,0	46,7
5,5	7,5	727	46,0	51,2
7,5	10,0	757	50,0	54,2
9,3	12,5	787	53,0	56,8
11,0	15,0	827	61,0	64,8
13,0	17,5	877	64,0	67,7
15,0	20,0	917	70,0	74,6
18,5	25,0	972	76,0	79,8
22,0	30,0	1.047	90,0	94,2
26,0	35,0	1.107	94,0	98,0
30,0	40,0	1.227	102,0	108,0
37,0	50,0	1.347	127,5	133,5



No.	Description	No.	Description	No.	Description	No.	Description
1	Cable 3 Core/4 Core	4	Upper Housing	7	Bearing Bush	10	Pressure Cup
2	Oil Seal	5	Motor Pipe	8	Lower Housing	11	Motor Base
3	Bearing Bush	6	Rotor Shaft	9	Thrust Bearing Set	12	Hardware



No.	Description	No.	Description	No.	Description	No.	Description
1	Sand guard	11	Cable protector cap	21	Lower flange	31	Allen bolt lower side
2	Upper cap	12	Plastic grommet washer	22	Teflon washer	32	Lower part 2
3	Oil seal	13	Rubber grommet	23	Thrust ring	33	Allen bolt lower part 2
4	Nut	14	SS grommet washer	24	Rotor shaft	34	Pressure cup
5	Stud	15	Upper housing	25	Rotor key	35	Spring jacket
6	Stud washer	16	O-ring (upper & lower)	26	Cir clip bearing side	36	Spring
7	Stud O-ring	17	Bearing bush	27	Loser housing	37	Motor base
8	Drain plug	18	Cir clip	28	Thrust bearing set	38	Allen bolt motor base
9	Drain plug O-ring	19	Upper flange	29	Rocker		
10	Allen bolt	20	Stator body	30	Rocker lock nut		

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