

DVS - ELECTROPOMPE SUBMERSIBILE PENTRU APE UZATE CU ROTOR SEMI-VORTEX DIN FONTA



APLICATII

- Efluent din bazine de stocare
- Ideale pentru aplicatii cu efluentii ce contin solide usoare sau fibroase
- Pomparea apei curate sau murdare cu particule in suspensie
- Bazine septice (imhoff)

CARACTERISTICI TEHNICE

- Rotor Semi-Vortex fara infundare ce faciliteaza pomparea materiilor straine cu dimensiuni de pana la 70% din diametrul portului de livrare
- Mentenanta usoara

DATE TEHNICE

- Temperatura maxima a lichidului: 40 °C
- Dimensiunea maxima a solidelor: 21 mm (50DVS), 33 mm (65DVS si 80 DVS 1.5 kW), 41 mm (65DVS si 80 DVS 2.2-3.7 kW)
- Lungimea maxima a fibrelor: 100 mm (50DVS), 200 mm (65DVS si 80 DVS 1.5 kW), 245 mm (65DVS si 80 DVS 2-3.7 kW)
- Motor 2 poli
- Clasa de izolatie F
- Grad de protectie IP68
- Curent: trifazat 380-415 $\pm$ 10%, 50 Hz
- Flanse: G1 $\frac{1}{2}$ (50 DVS 1.5 kW), DN50, DN65, DN80
- Putere pana la 3.7 kW

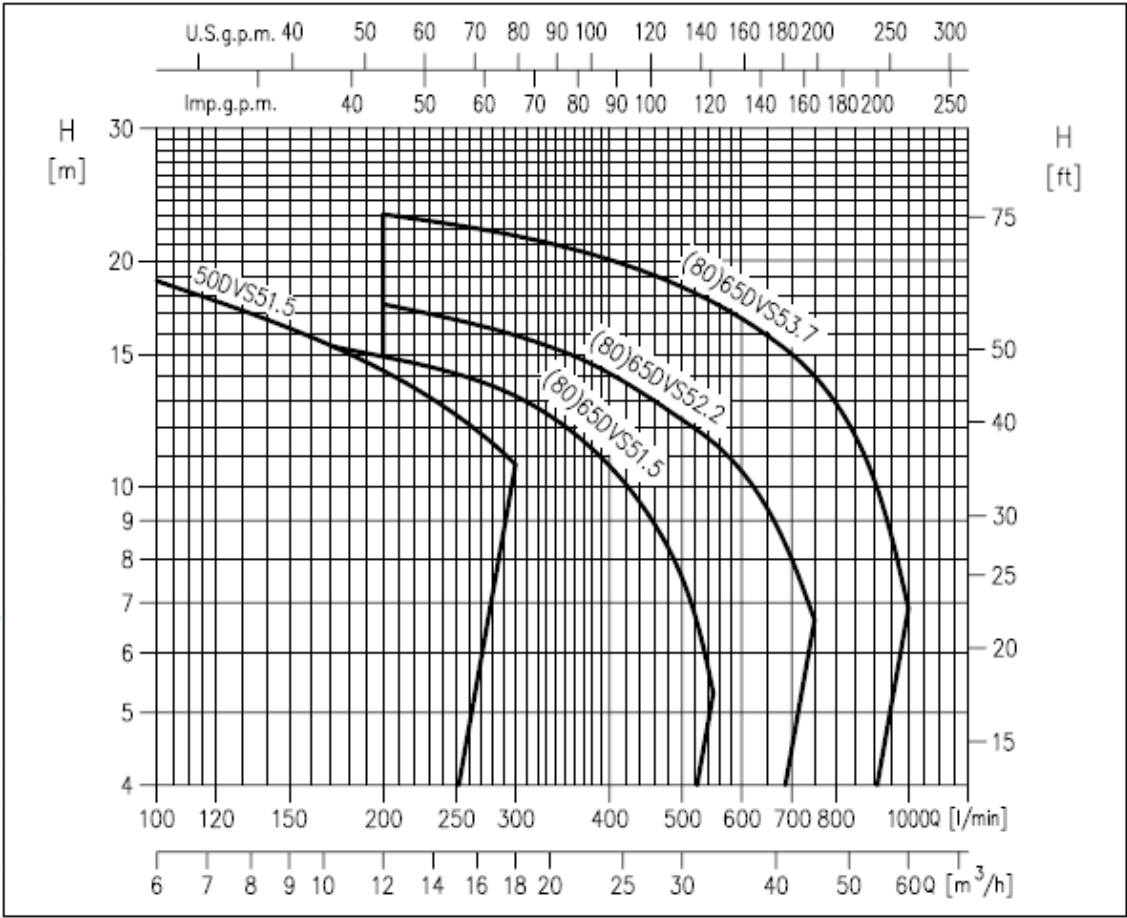
MATERIALE

- Corpul pompei, rotor Semi-Vortex, cot (curbat) din fonta
- Ax din otel inoxidabil AISI 403
- Etansare mecanica: SiC/SiC/NBR (partea rotorului), Carbon/Ceramica/NBR (partea motorului)

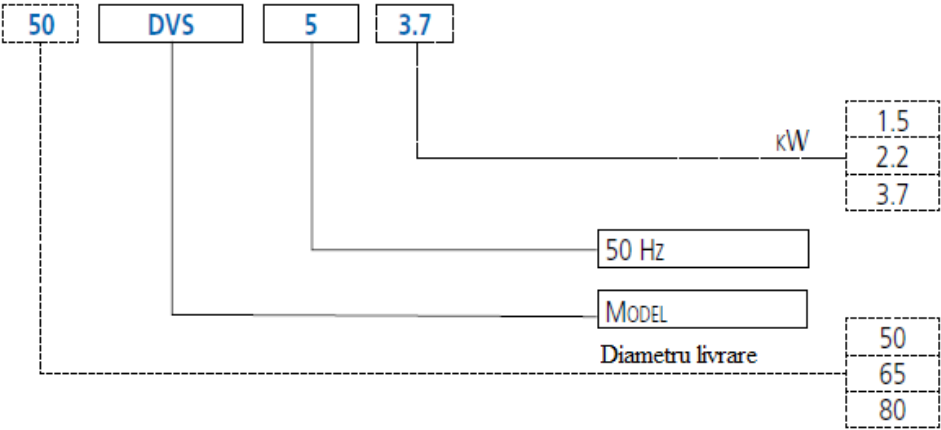
ACCESORII (la cerere)

Pentru accesorii, vezi pagina 151

GAMA DE PERFORMANTA (per ISO 9906 Anexa A)



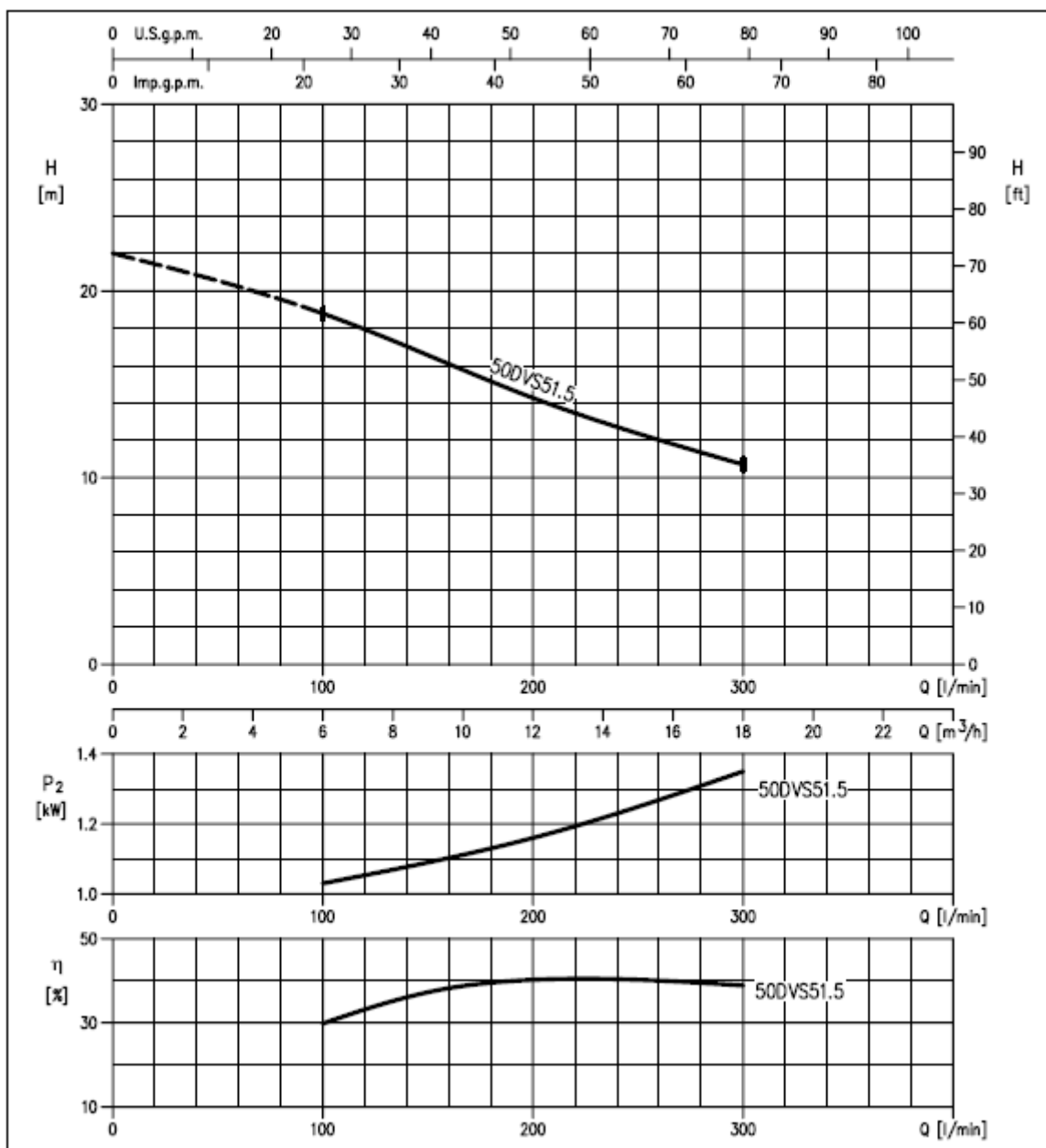
COD DE IDENTIFICARE POMPA



TABEL PERFORMANTA

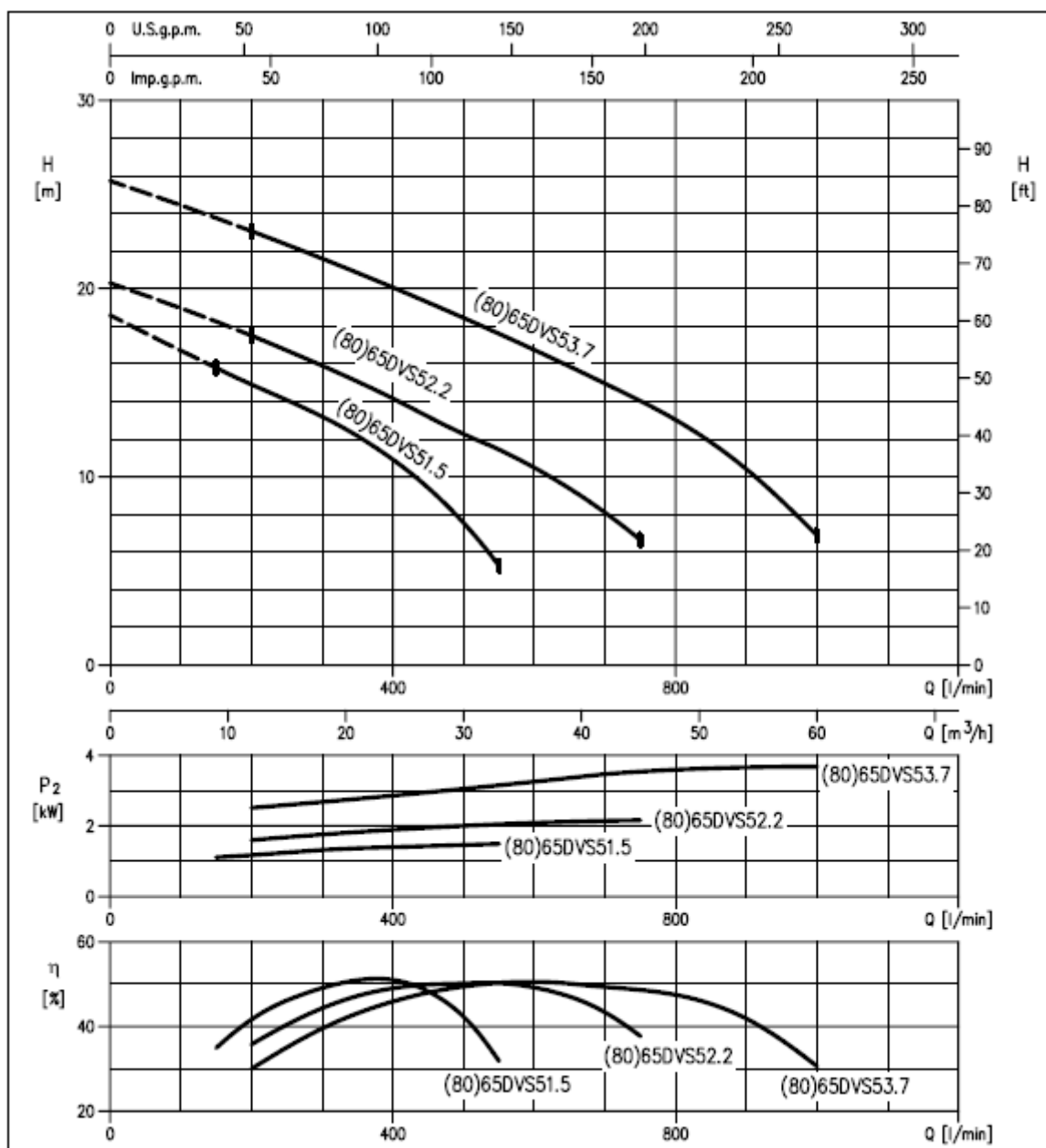
Model	P ₂		Q = Debit												
			l/min	100	150	200	300	400	500	550	600	700	750	900	1000
	[HP]	[kW]	m³/h	6	9	12	18	24	30	33	36	42	45	54	60
	H = Inaltime [m]														
50DVS51.5	2	1.5	18.8	16.6	14.3	10.7	-	-	-	-	-	-	-	-	-
(80)65DVS51.5	2	1.5	-	15.8	14.9	13.2	10.9	7.6	5.3	-	-	-	-	-	-
(80)65DVS52.2	3	2.2	-	-	17.5	15.9	14.2	12.3	11.5	10.5	8.1	6.6	-	-	-
(80)65DVS53.7	5	3.7	-	-	23.0	21.6	20.1	18.4	17.6	16.7	15.0	14.0	10.4	6.9	

CURBE DE PERFORMANTA seria 50DVS5 1.5 (1.5 kW) (per ISO 9906 Anexa A)

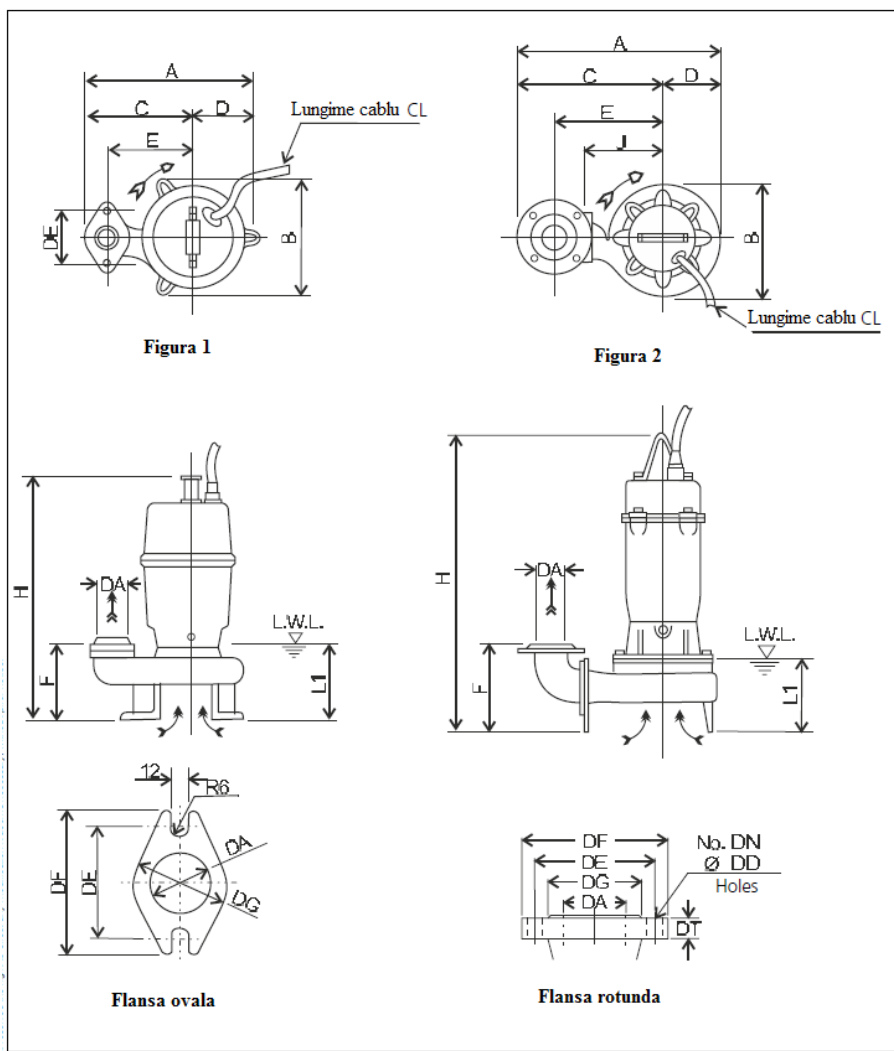


CURBE DE PERFORMANTA seriile: (80)65DVS5 1.5 (1.5 kW)
(80)65DVS5 2.2 (2.2 kW)
(80)65DVS5 3.7 (3.7 kW)

(per ISO 9906 Anexa A)



DIMENSIUNI



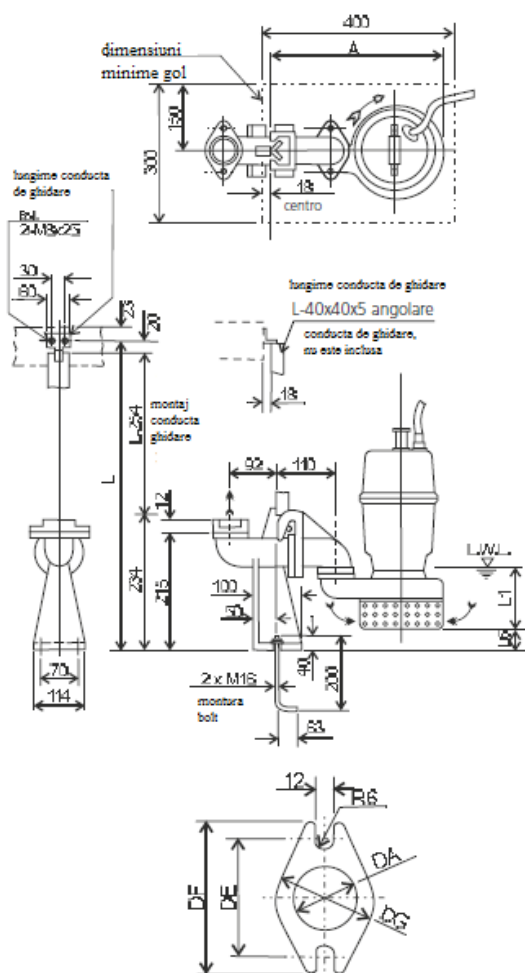
Tabel dimensiuni flanse [mm] - EN 1092-2

Tip	DA	DE	DF	DG	DT	DN	DD
Oval	50	96	114	76	-	-	-
Rotund	65	145	185	118	17	4	19
	80	160	200	132	19	8	

DA	Model	Fig.	Tip flansa	[kW]	DA	A	B	C	D	E	F	H	DE	J	L1 (*)	CL [m]	Greutate [kg]
50	50DVS51.5	1	Oval	1.5	G2	249	171	163	86	125	82	439	96	-	105	6	27
65	65DVS51.5	2	Rotund	1.5	65	396	195	298	98	210	178	519	-	145	125		34
	2.2			427		227	313	114	225	201	643	160		155	10		50
	3.7																59
80	80DVS51.5			1.5		80	411	195	328	98	220	183		519	-	145	125
	80DVS52.2	2.2	442	227	114		235	206		643	160	155	10	51			
	80DVS53.7	3.7												60			

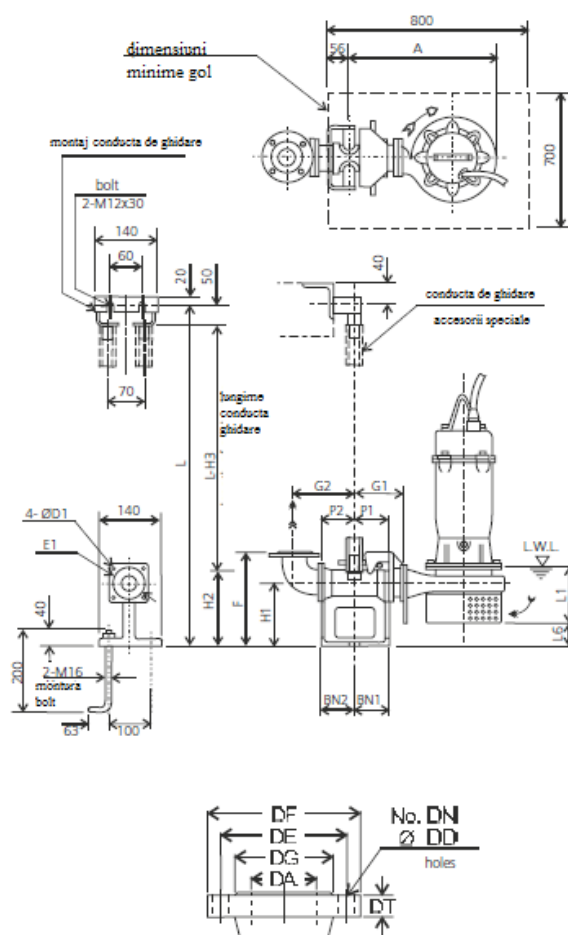
DIMENSIUNI DVS CU QDC (kit dispozitiv coborare)

Figura 1



Flansa ovala

Figura 2



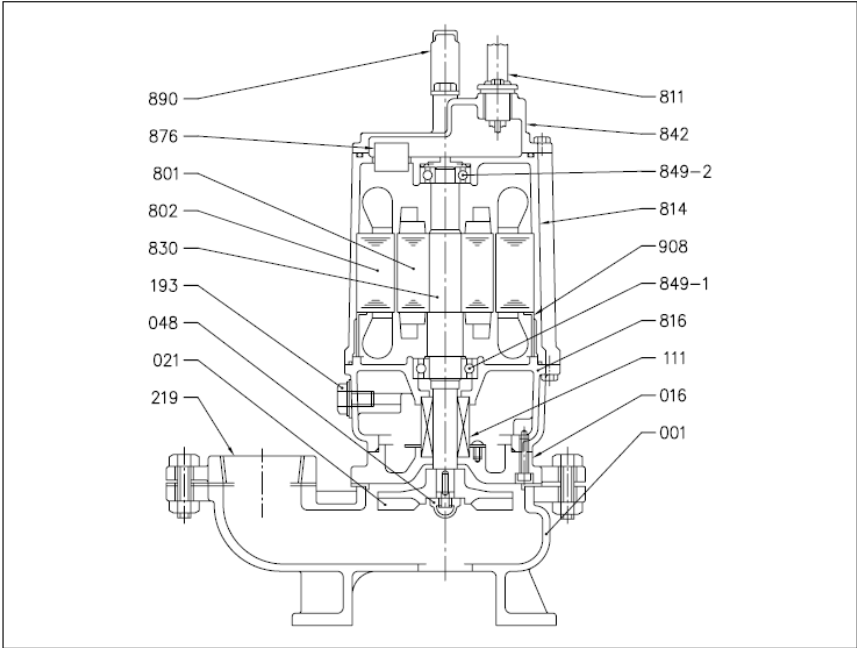
Flansa rotunda

Tabel dimensiuni flanșe [mm] - EN 1092-2

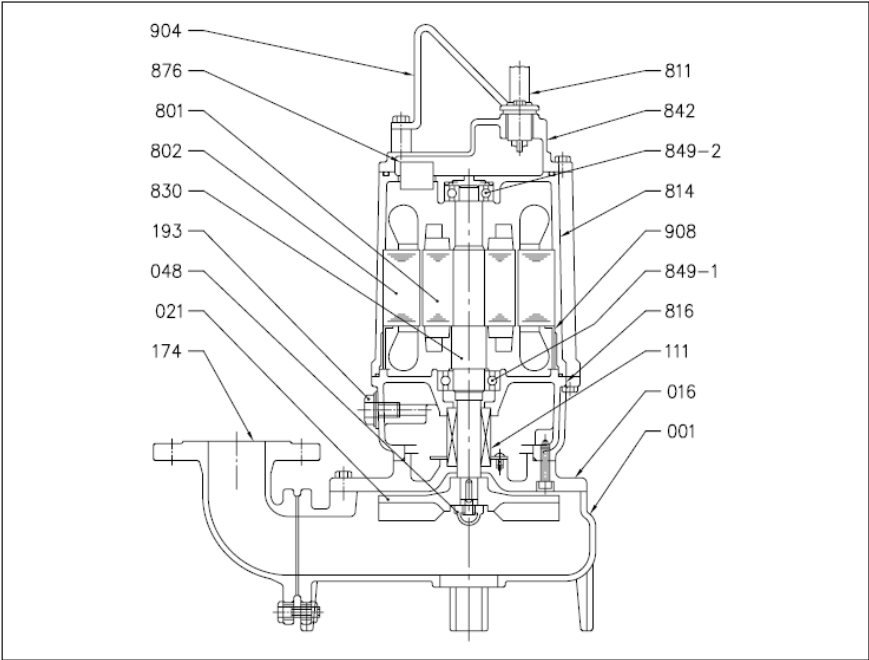
Tip	DA	DE	DF	DG	DT	DN	DD
Oval	50	96	114	76	-	-	-
Rotund	65	145	185	118	17	4	19
	80	160	200	132	19	8	

DA	Model	Fig.	Tip flansa	[kW]	A	P1	P2	G1	G2	F	H1	H2	H3	L1 (*)	L6	BN1	BN2	D1	E1	QDC (kit dispozitiv coborare)	
																				Model	Greutate (kg)
50	50DVS51.5	1	Oval	1.5	311	-	-	-	-	-	-	-	-	105	58	-	-	-	-	LS50	9
65	65DVS51.5	2	Rotund	1.5	363	75	95	120	160	250	145	190	240	125	72	75	95	12	140	LM65	14
	65DVS52.2			2.2	394									155	49						
	65DVS53.7			3.7	394									125	72						
80	80DVS51.5			1.5	363				170	255	145	190	240	125	72						
	80DVS52.2			2.2	394									155	49						
	80DVS53.7			3.7	394									155	49						

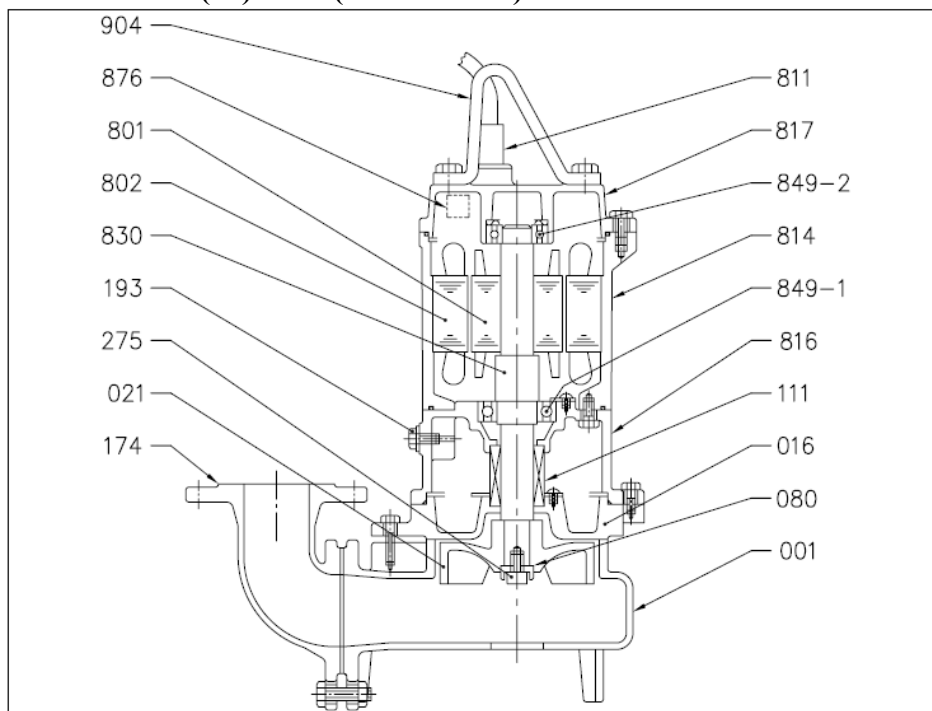
VEDERE IN SECTIUNE 50 DVS (1.5 kW)



VEDERE IN SECTIUNE 65(80) DVS (1.5 kW)



VEDERE IN SECTIUNE 65(80) DVS (2.2 – 3.7 kW)



TABEL MATERIALE DVS

Ref.	Nume	Material	Ref.	Nume	Material
001	Corp pompa	Fonta EN-GHJL-200-EN 1561	811	Cablu	-
016	Invelis etansare mecanica	Fonta EN-GHJL-200-EN 1561	814	Montura carcasa	Fonta EN-GHJL-200-EN 1561
021	Rotor	Fonta EN-GHJL-200-EN 1561	816	Montura motor	Fonta EN-GHJL-200-EN 1561
048	Piulita rotor	Alama	830	Ax	EN 1.4006 (AISI 403)
080	Bucsa	Fonta EN-GHJL-200-EN 1561	842	Capac motor	Fonta EN-GHJL-200-EN 1561
111	Etansare mecanica	-	849-1	Rulment cu bile	-
174	Cot de livrare	Fonta EN-GHJL-200-EN 1561	849-2	Rulment cu bile	-
193	Capac ulei	NBR/EN 1.4301 (AISI 304)	876	Decuplare motor	-
219	Flanse	Fonta EN-GHJL-200-EN 1561	890	Carlig de ridicare	Otel inoxidabil
801	Rotor	-	908	Distantier	Otel
802	Statir	-	-	-	-

TABEL DATE ELECTRICE (1.5 – 3.7 kW)

[P ₂]			[kW]	1.5			2.2			3.7		
Rezistența la 20°C			[Ω]	11.973			4.942			2.647		
GD ²			[kg/m ²]	0.0057			0.0082			0.011		
Voltaaj			[V]	380	400	415	380	400	415	380	400	415
Full load	0%	Curent	[A]	1.25	1.32	1.30	1.95	2.15	2.33	3.20	3.30	3.90
		Putere	[W]	430	405	400	500	500	252	800	500	600
	75%	Curent	[A]	2.92	2.62	2.61	4.07	4.06	3.82	7.07	6.32	6.45
		Eficienta	[%]	63.59	69.18	70.11	71.23	69.69	77.58	68.00	75.54	74.26
		Factor putere	[%]	91.93	89.54	85.68	86.44	84.27	77.40	87.75	83.92	80.61
		rpm	[min ⁻¹]	2872	2887	2898	2895	2901	2927	2890	2917	2922
	100%	Curent	[A]	3.70	3.30	3.30	5.10	5.00	4.60	8.80	7.80	7.80
		Eficienta	[%]	65.61	71.25	70.89	73.05	72.28	79.33	70.79	77.64	76.74
		Factor putere	[%]	9.88	92.08	89.21	89.71	87.87	83.88	90.24	88.18	86.00
		rpm	[min ⁻¹]	2821	2847	2854	2851	2864	2900	2847	2886	2890
Cuplu cu rotor blocat			[%]	243	295	303	161	186	184	175	216	233
Curent de pornire			[A]	20.5	21.1	22.5	28.7	30.0	31.5	51.2	51.0	53.0
Poli				2								
Faze				3								
Frecvența			[Hz]	50								
Porniri pe ora				10								
Toleranța pentru voltag			[%]	±10%								
Toleranța pentru frecvența			[%]	±1%								
Clasa de izolare				F								
Model				ZDSEU								