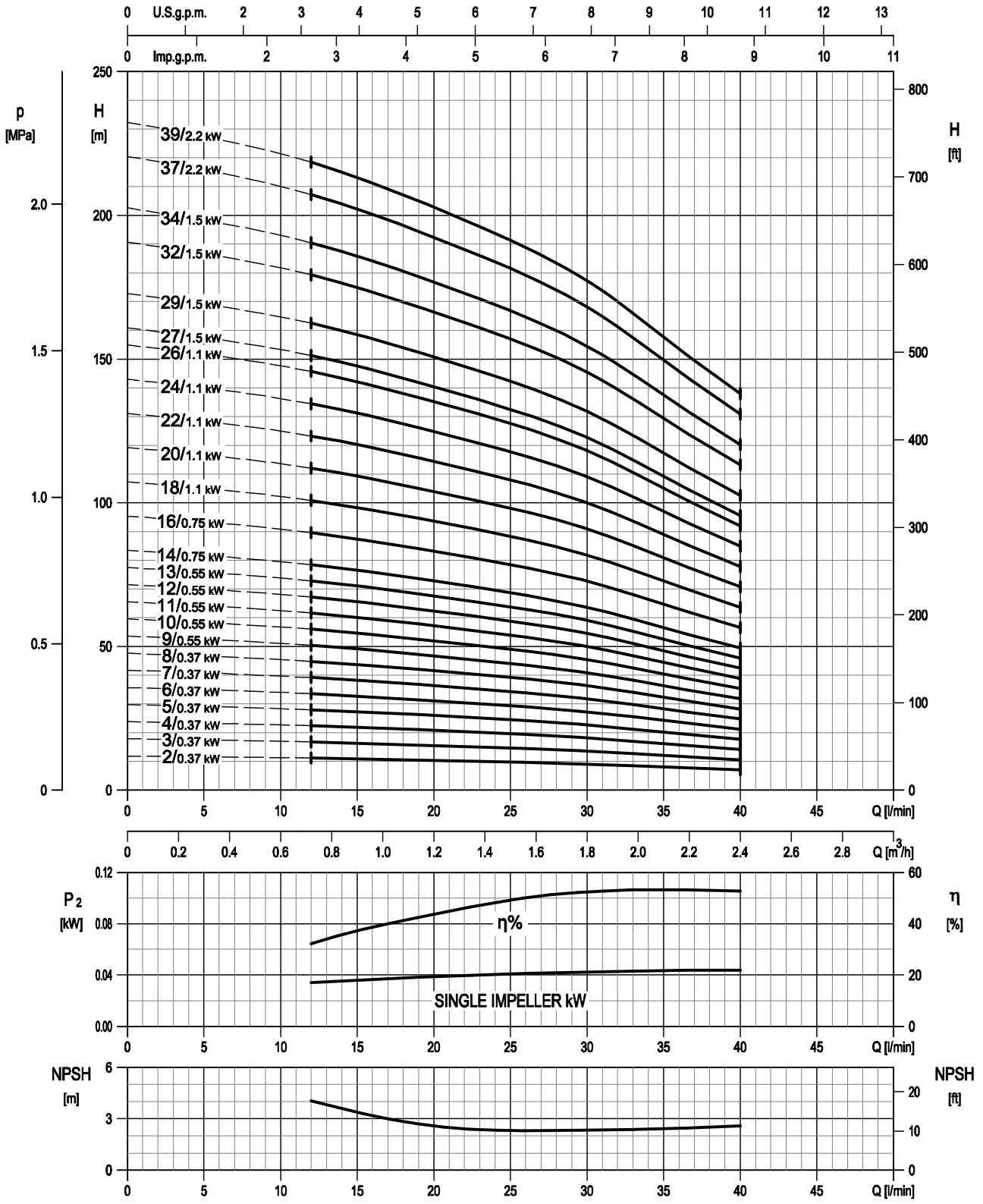
VERTICAL MULTISTAGE PUMPS EVMS

PERFORMANCE CURVE
EVMS(L)1

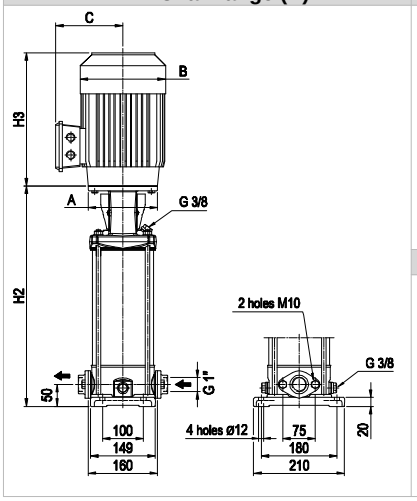


Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

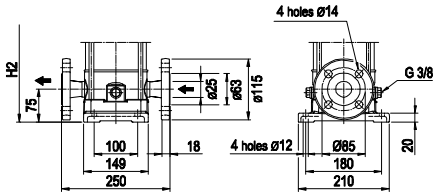
TECHNICAL DATA
EVMS(L)1

Dimensional sketch

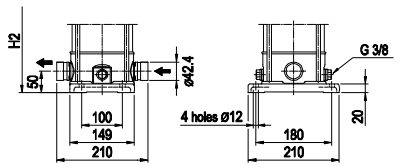
Oval flange (N)



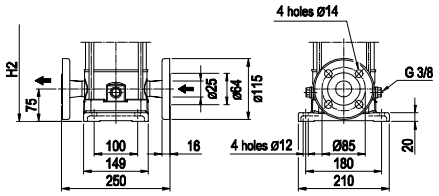
DIN Loose round flange (LF) - DN25



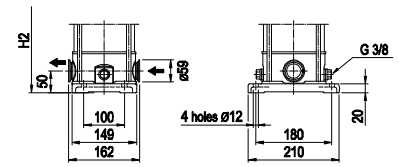
Victaulic® connection (V)



DIN Round flange (F) - DN25



Clamp connection (C)

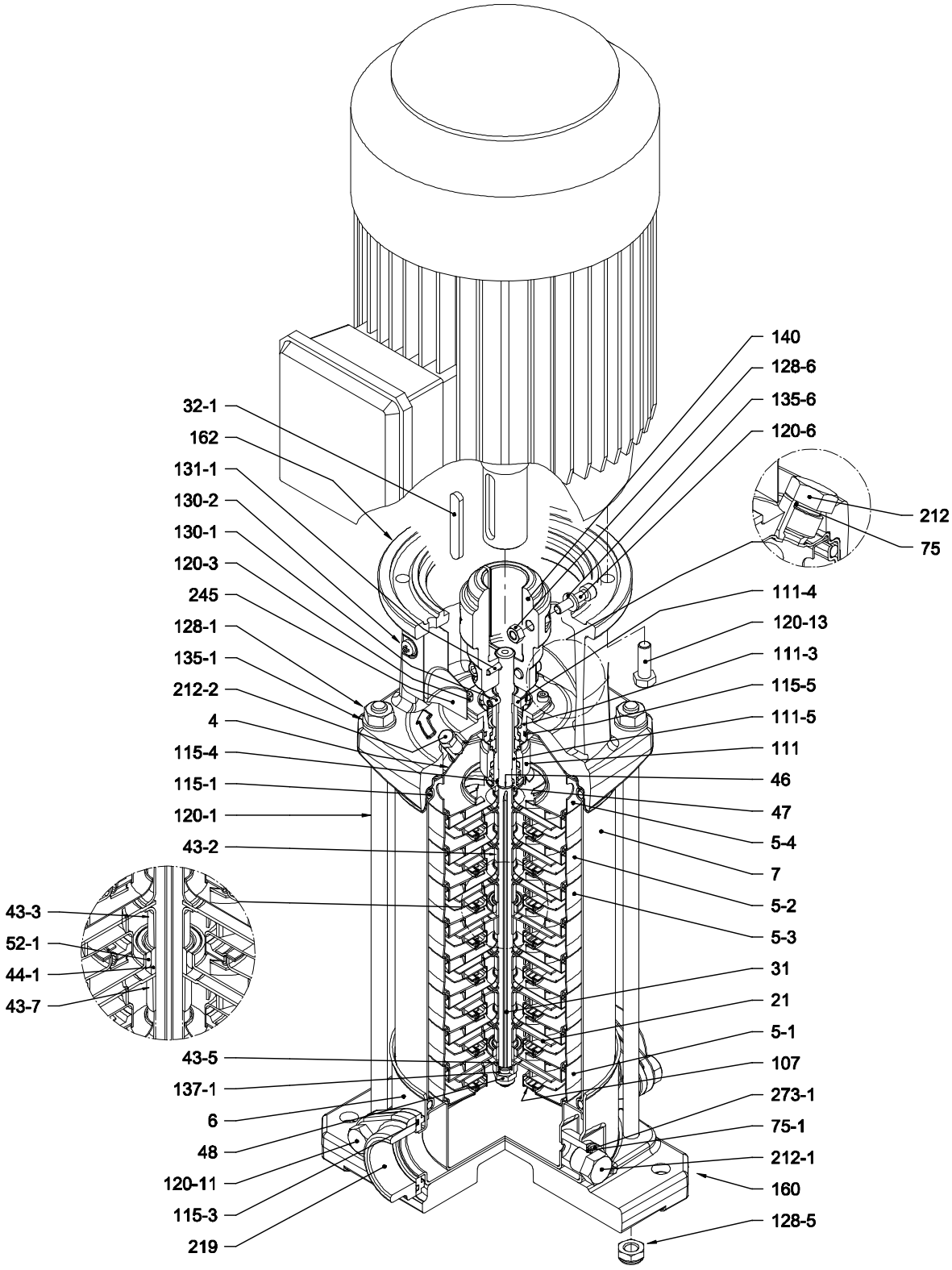


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Loose round flange (LF) Round flange (F) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Victaulic® connection (V) Clamp connection (C) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~
EVMS(L)1 2/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	250	9.7	16.8	15.5	275	10.4	17.5	16.2	250	9.7	16.8	15.5
EVMS(L)1 3/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	271	10.2	17.3	16	296	10.9	18	16.7	271	10.2	17.3	16
EVMS(L)1 4/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	292	10.6	17.7	16.4	317	11.3	18.4	17.1	292	10.6	17.7	16.4
EVMS(L)1 5/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	313	11.1	18.2	16.9	338	11.8	18.9	17.6	313	11.1	18.2	16.9
EVMS(L)1 6/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	334	11.5	18.6	17.3	359	12.2	19.3	18	334	11.5	18.6	17.3
EVMS(L)1 7/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	355	11.9	19	17.7	380	12.6	19.7	18.4	355	11.9	19.0	17.7
EVMS(L)1 8/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	376	12.4	19.5	18.2	401	13.1	20.2	18.9	376	12.4	19.5	18.2
EVMS(L)1 9/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	397	12.8	21.3	19	422	13.5	22	19.7	397	12.8	21.3	19
EVMS(L)1 10/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	418	13.2	21.7	19.4	443	13.9	22.4	20.1	418	13.2	21.7	19.4
EVMS(L)1 11/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	439	13.7	22.2	19.9	464	14.4	22.9	20.6	439	13.7	22.2	19.9
EVMS(L)1 12/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	460	14.4	22.9	20.6	485	15.1	23.6	21.3	460	14.4	22.9	20.6
EVMS(L)1 13/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	481	15	23.5	21.2	506	15.7	24.2	21.9	481	15	23.5	21.2
EVMS(L)1 14/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	512	15.7	27.1	25.2	537	16.4	27.8	25.9	512	15.7	27.1	25.2
EVMS(L)1 16/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	554	16.7	28.1	26.2	579	17.4	28.8	26.9	554	16.7	28.1	26.2
EVMS(L)1 18/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	596	17.8	29.6	28.9	621	18.5	30.3	29.6	596	17.8	29.6	28.9
EVMS(L)1 20/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	638	18.8	30.6	29.9	663	19.5	31.3	30.6	638	18.8	30.6	29.9
EVMS(L)1 22/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	680	20	31.8	31.1	705	20.7	32.5	31.8	680	20	31.8	31.1
EVMS(L)1 24/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	722	21	32.8	32.1	747	21.7	33.5	32.8	722	21	32.8	32.1
EVMS(L)1 26/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	764	22	33.8	33.1	789	22.7	34.5	33.8	764	22	33.8	33.1
EVMS(L)1 27/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	-	-	-	-	820	23.1	40.9	35.8	795	22.4	40.2	35.1
EVMS(L)1 29/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	-	-	-	-	862	24.1	41.9	36.8	837	23.4	41.2	36.1
EVMS(L)1 32/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	-	-	-	-	925	25.4	43.2	38.1	900	24.7	42.5	37.4
EVMS(L)1 34/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	-	-	-	-	967	26.3	44.1	39	942	25.6	43.4	38.3
EVMS(L)1 37/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	-	-	-	-	1030	27.7	47.2	43.7	1005	27	46.5	43
EVMS(L)1 39/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	-	-	-	-	1072	28.7	48.2	44.7	1047	28	47.5	44

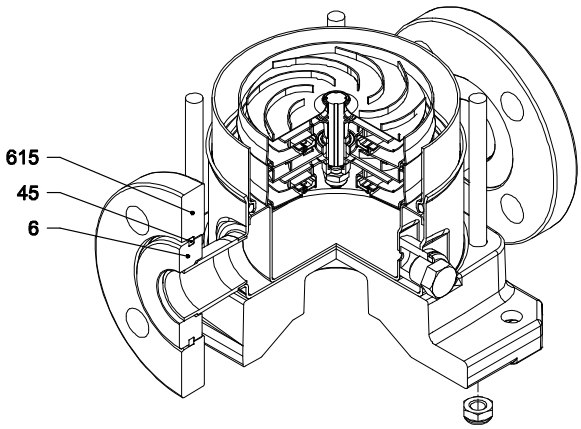
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMS(L)1

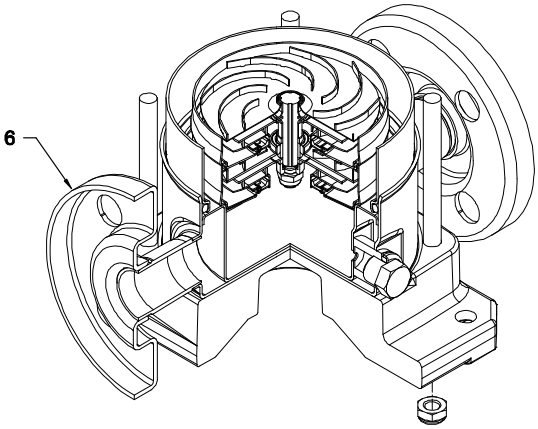


with Oval flange (N)

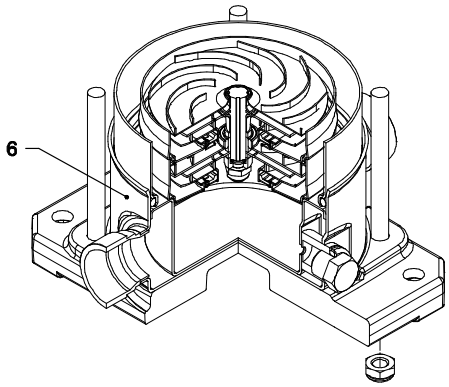
PIPE CONNECTION
EVMS(L)1



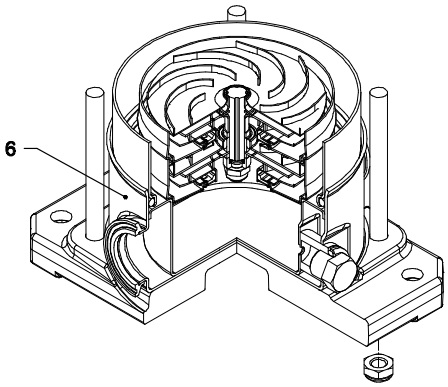
with Loose round flange (LF)



with Round flange (F)



with Victaulic® connection (V)



with Clamp connection (C)

SECTIONAL TABLE
EVMS(L)1

N°	PART NAME		MATERIAL EVMS	MATERIAL EVMSL	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-1	Suction casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-4	Discharge casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
6	Bottom casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
7	Outer casing		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
31	Shaft		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
43-5	Shaft sleeve (last stage)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
43-7	Spacer		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
44-1	Shaft sleeve bearing		Tungsten carbide			
45	Flange holder		EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)			
47	Ring Holder		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	A4-70 UNI 7323 with inox insert	M8	
52-1	Bearing		Tungsten carbide			
75	O-Ring (plug)		EPDM		D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM			
107	Liner ring		EN 1.4301 (AISI 304) + PPS	EN 1.4401 (AISI 316) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM			
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
111-4	Seal holder		EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
115-1	O-Ring (outer casing)		EPDM		D. 129.54x5.34	OR 6510
115-3	O-Ring		EPDM			
115-4	O-Ring (cartridge sleeve)		EPDM		D. 11.91x2.62	OR 115
115-5	O-Ring (seal cover)		EPDM		D. 32.99x2.62	OR 3131
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1		M10	
120-3	Screw		A2-70 UNI 7323		M4x10	ISO 4762
120-6	Screw for coupling		Galvanized steel		M6x25	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323			
120-13	Screw for motor	MEC 71-80	Galvanized steel 8.8 strength class ISO 898/1		M6x20	ISO 4017
		MEC 90			M8x20	ISO 4017
128-1	Nut for tie rod		Galvanized steel		M10	UNI 5588
128-5	Nut for tie rod		A2-70 UNI 7323		M10	UNI 7474
128-6	Nut for coupling		Galvanized steel		M6	ISO 4032
130-1	Set screw		A2-70 UNI 7323		M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323		M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel		D. 4x32	UNI 4838
135-1	Washer		Galvanized steel		D. 10.5x21x2	UNI 6592
135-6	Washer		Carbon Steel		Ø6	
137-1	Impeller spacer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
140	Coupling	up to 4.0 kW	Die cast aluminium EN AB-AISI11Cu2 (Fe)			
160	Base		Die cast aluminium EN AB-AISI11Cu2 (Fe)			
162	Motor bracket		Cast iron EN-GJL-200-EN 1561			
212	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)			
219	Counter flange		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
245	Coupling guard		EN 1.4301 (AISI 304)			
273-1	Plug Washer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
615	Flange		Nodular Cast Iron			

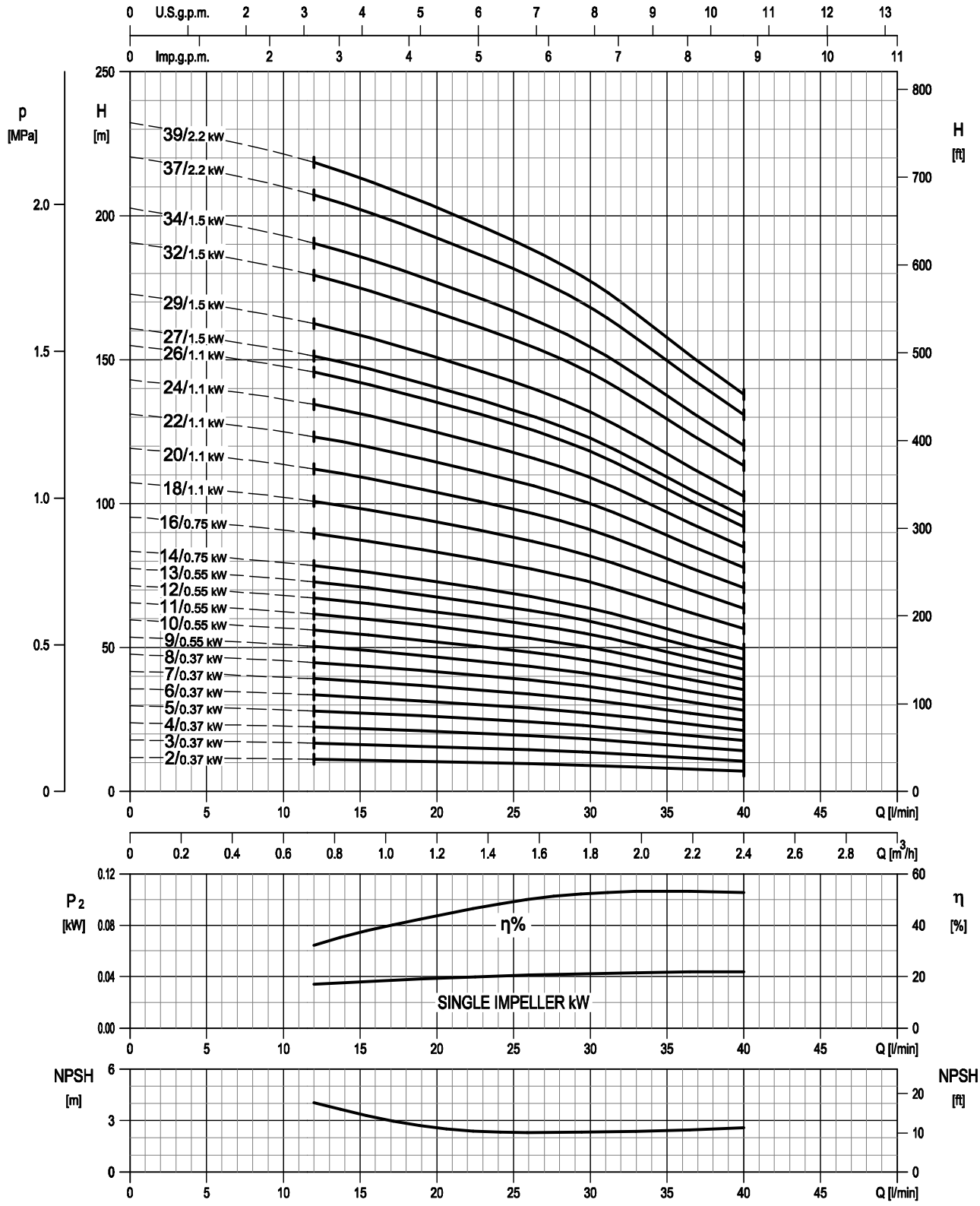
QUANTITY FOR MODEL EVMS(L)1

Pump Type	N°																													
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	43-5	43-7	44-1	45**	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5
EVMS(L)1 2/0.37	1	1	/	1	1	1	1	2	1	1	/	1	/	/	1	4	2	1	1	1	1	2	2	1	1	1	1	2	2	1	1
EVMS(L)1 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	4	2	1	1	1	1	2	3	1	1	1	1	2	2	1	1
EVMS(L)1 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1
EVMS(L)1 5/0.37	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1
EVMS(L)1 6/0.37	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1
EVMS(L)1 7/0.37	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	4	2	1	1	1	1	2	7	1	1	1	1	2	2	1	1
EVMS(L)1 8/0.37	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	4	2	1	1	1	1	2	8	1	1	1	1	2	2	1	1
EVMS(L)1 9/0.55	1	1	7	1	1	1	1	9	1	1	15	1	1	/	1	4	2	1	1	1	1	2	9	1	1	1	1	2	2	1	1
EVMS(L)1 10/0.55	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	4	2	1	1	1	1	2	10	1	1	1	1	2	2	1	1
EVMS(L)1 11/0.55	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	4	2	1	1	1	1	2	11	1	1	1	1	2	2	1	1
EVMS(L)1 12/0.55	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	4	2	1	1	1	1	2	12	1	1	1	1	2	2	1	1
EVMS(L)1 13/0.55	1	1	10	2	1	1	1	13	1	1	20	2	1	1	2	4	2	1	1	2	1	2	13	1	1	1	1	2	2	1	1
EVMS(L)1 14/0.75	1	1	11	2	1	1	1	14	1	1	22	2	/	1	2	4	2	1	1	2	1	2	14	1	1	1	1	2	2	1	1
EVMS(L)1 16/0.75	1	1	13	2	1	1	1	16	1	1	26	2	/	1	2	4	2	1	1	2	1	2	16	1	1	1	1	2	2	1	1
EVMS(L)1 18/1.1	1	1	15	2	1	1	1	18	1	1	30	2	/	1	2	4	2	1	1	2	1	2	18	1	1	1	1	2	2	1	1
EVMS(L)1 20/1.1	1	1	17	2	1	1	1	20	1	1	34	2	/	1	2	4	2	1	1	2	1	2	20	1	1	1	1	2	2	1	1
EVMS(L)1 22/1.1	1	1	19	2	1	1	1	22	1	1	38	2	/	1	2	4	2	1	1	2	1	2	22	1	1	1	1	2	2	1	1
EVMS(L)1 24/1.1	1	1	21	2	1	1	1	24	1	1	42	2	/	1	2	4	2	1	1	2	1	2	24	1	1	1	1	2	2	1	1
EVMS(L)1 26/1.1	1	1	23	2	1	1	1	26	1	1	46	2	/	1	2	4	2	1	1	2	1	2	26	1	1	1	1	2	2	1	1
EVMS(L)1 27/1.5	1	1	24	2	1	1	1	27	1	1	48	2	/	1	2	4	2	1	1	2	1	2	27	1	1	1	1	2	/	1	1
EVMS(L)1 29/1.5	1	1	26	2	1	1	1	29	1	1	52	2	/	1	2	4	2	1	1	2	1	2	29	1	1	1	1	2	/	1	1
EVMS(L)1 32/1.5	1	1	29	2	1	1	1	32	1	1	58	2	/	1	2	4	2	1	1	2	1	2	32	1	1	1	1	2	/	1	1
EVMS(L)1 34/1.5	1	1	31	2	1	1	1	34	1	1	62	2	/	1	2	4	2	1	1	2	1	2	34	1	1	1	1	2	/	1	1
EVMS(L)1 37/2.2	1	1	34	2	1	1	1	37	1	1	68	2	/	1	2	4	2	1	1	2	1	2	37	1	1	1	1	2	/	1	1
EVMS(L)1 39/2.2	1	1	36	2	1	1	1	39	1	1	72	2	/	1	2	4	2	1	1	2	1	2	39	1	1	1	1	2	/	1	1

Pump Type	N°																											
	120-1	120-3	120-6	120-11*	120-13	128-1	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)1 2/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 3/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 4/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 5/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 6/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 7/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 8/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 9/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 10/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 11/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 12/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 13/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 14/0.75	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 16/0.75	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 18/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 20/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 22/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 24/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 26/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 27/1.5	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 29/1.5	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 32/1.5	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 34/1.5	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 37/2.2	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 39/2.2	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)
** only for Loose round flange (LF)

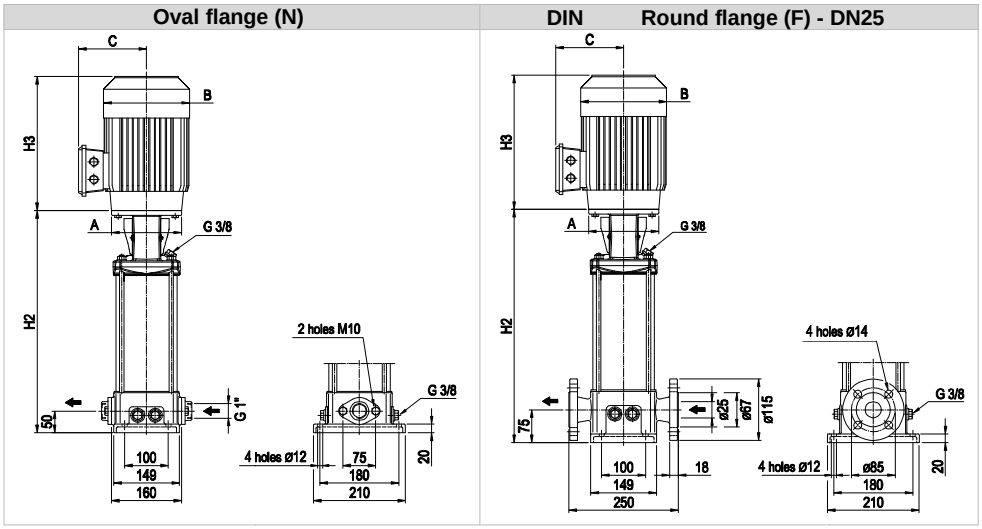
PERFORMANCE CURVE
EVMSG1



Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

TECHNICAL DATA
EVMSG1

Dimensional sketch

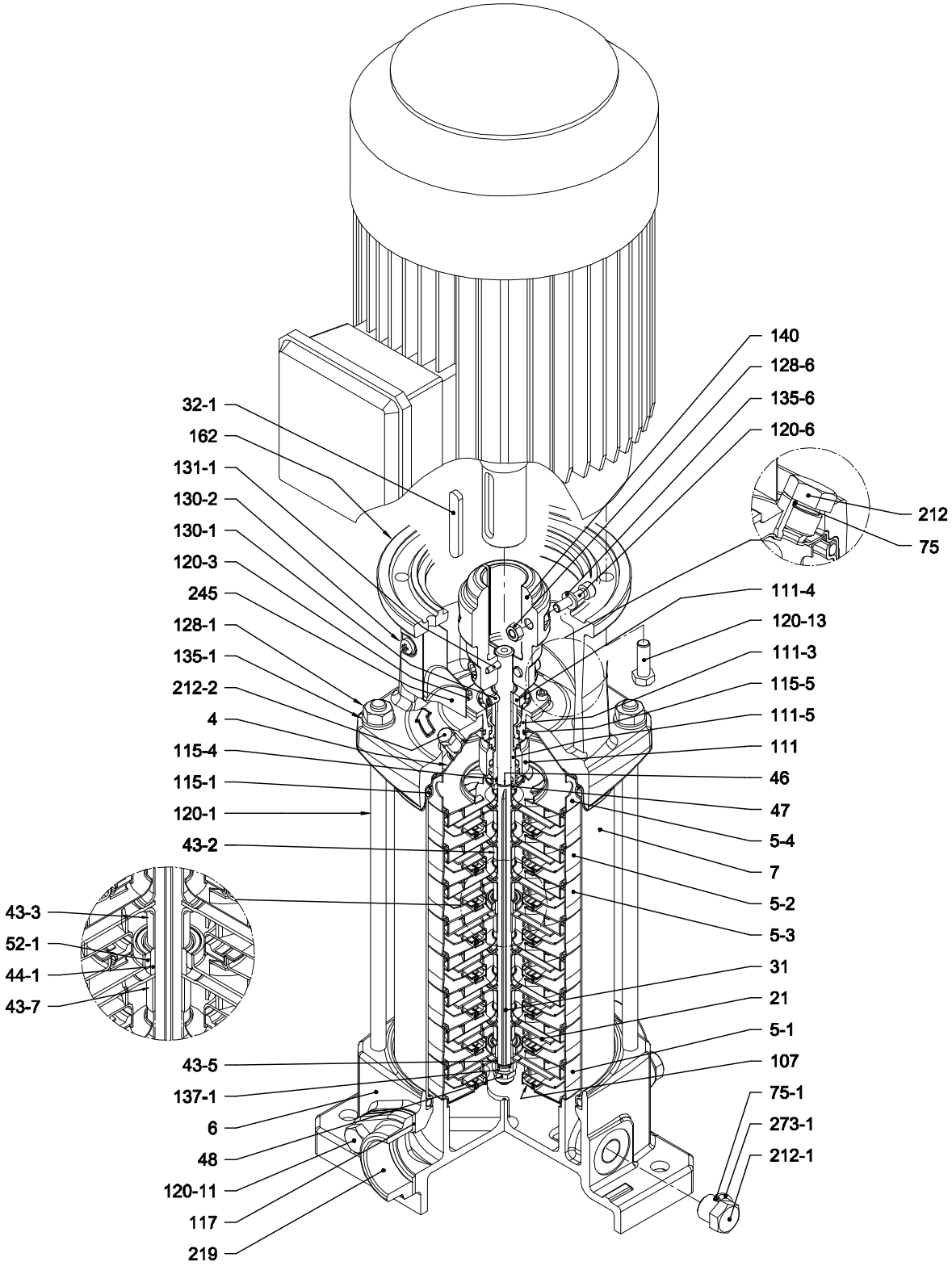


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Round flange (F) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~
EVMSG1 2/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	250	14	21.1	19.8	275	17.4	24.5	23.2
EVMSG1 3/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	271	14.5	21.6	20.3	296	17.9	25	23.7
EVMSG1 4/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	292	14.9	22	20.7	317	18.3	25.4	24.1
EVMSG1 5/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	313	15.4	22.5	21.2	338	18.8	25.9	24.6
EVMSG1 6/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	334	15.8	22.9	21.6	359	19.2	26.3	25
EVMSG1 7/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	355	16.2	23.3	22	380	19.6	26.7	25.4
EVMSG1 8/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	376	16.7	23.8	22.5	401	20.1	27.2	25.9
EVMSG1 9/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	397	17.1	25.6	23.3	422	20.5	29	26.7
EVMSG1 10/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	418	17.5	26	23.7	443	20.9	29.4	27.1
EVMSG1 11/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	439	18	26.5	24.2	464	21.4	29.9	27.6
EVMSG1 12/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	460	18.7	27.2	24.9	485	22.1	30.6	28.3
EVMSG1 13/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	481	19.3	27.8	25.5	506	22.7	31.2	28.9
EVMSG1 14/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	512	20	31.4	29.5	537	23.4	34.8	32.9
EVMSG1 16/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	554	21	32.4	30.5	579	24.4	35.8	33.9
EVMSG1 18/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	596	22.1	33.9	33.2	621	25.5	37.3	36.6
EVMSG1 20/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	638	23.1	34.9	34.2	663	26.5	38.3	37.6
EVMSG1 22/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	680	24.3	36.1	35.4	705	27.7	39.5	38.8
EVMSG1 24/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	722	25.3	37.1	36.4	747	28.7	40.5	39.8
EVMSG1 26/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	764	26.3	38.1	37.4	789	29.7	41.5	40.8
EVMSG1 27/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	-	-	-	-	820	30.1	47.9	42.8
EVMSG1 29/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	-	-	-	-	862	31.1	48.9	43.8
EVMSG1 32/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	-	-	-	-	925	32.4	50.2	45.1
EVMSG1 34/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	-	-	-	-	967	33.3	51.1	46
EVMSG1 37/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	-	-	-	-	1030	34.7	54.2	50.7
EVMSG1 39/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	-	-	-	-	1072	35.7	55.2	51.7

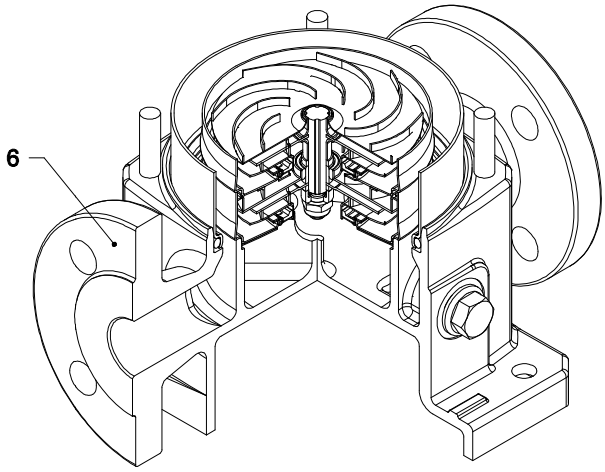
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMSG1



with Oval flange (N)

PIPE CONNECTION
EVMSG1



with Round flange (F)

SECTIONAL TABLE
EVMSG1

N°	PART NAME		MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)		
5-1	Suction casing		EN 1.4301 (AISI 304)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)		
5-4	Discharge casing		EN 1.4301 (AISI 304)		
6	Bottom casing		Cast Iron EN GJL-250-EN1561		
7	Outer casing		EN 1.4301 (AISI 304)		
21	Impeller		EN 1.4301 (AISI 304)		
31	Shaft		EN 1.4301 (AISI 304)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)		
43-5	Shaft sleeve (last stage)		EN 1.4301 (AISI 304)		
43-7	Spacer		EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing		Tungsten carbide		
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)		
47	Ring Holder		EN 1.4301 (AISI 304)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	M8	
52-1	Bearing		Tungsten carbide		
75	O-Ring (plug)		EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM		
107	Liner ring		EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM		
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)		
111-4	Seal holder		EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)		EPDM	D. 129.54x5.34	OR 6510
115-4	O-Ring (cartridge sleeve)		EPDM	D. 11.91x2.62	OR 115
115-5	O-Ring (seal cover)		EPDM	D. 32.99x2.62	OR 3131
117	Flange gasket		EPDM		
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1	M10	
120-3	Screw		A2-70 UNI 7323	M4x10	ISO 4762
120-6	Screw for coupling		Galvanized steel	M6x25	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323		
120-13	Screw for motor	MEC 71-80	Galvanized steel 8.8 strength class ISO 898/1	M6x20	ISO 4017
		MEC 90		M8x20	ISO 4017
128-1	Nut for tie rod		Galvanized steel	M10	UNI 5588
128-6	Nut for coupling		Galvanized steel	M6	ISO 4032
130-1	Set screw		A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel	D. 4x32	UNI 4838
135-1	Washer		Galvanized steel	D. 10.5x21x2	UNI 6592
135-6	Washer		Carbon Steel	Ø6	
137-1	Impeller spacer		EN 1.4301 (AISI 304)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
162	Motor bracket		Cast iron EN-GJL-200-EN 1561		
212	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)		
219	Counter flange		Galvanized steel		
245	Coupling guard		EN 1.4301 (AISI 304)		
273-1	Plug Washer		EN 1.4301 (AISI 304)		

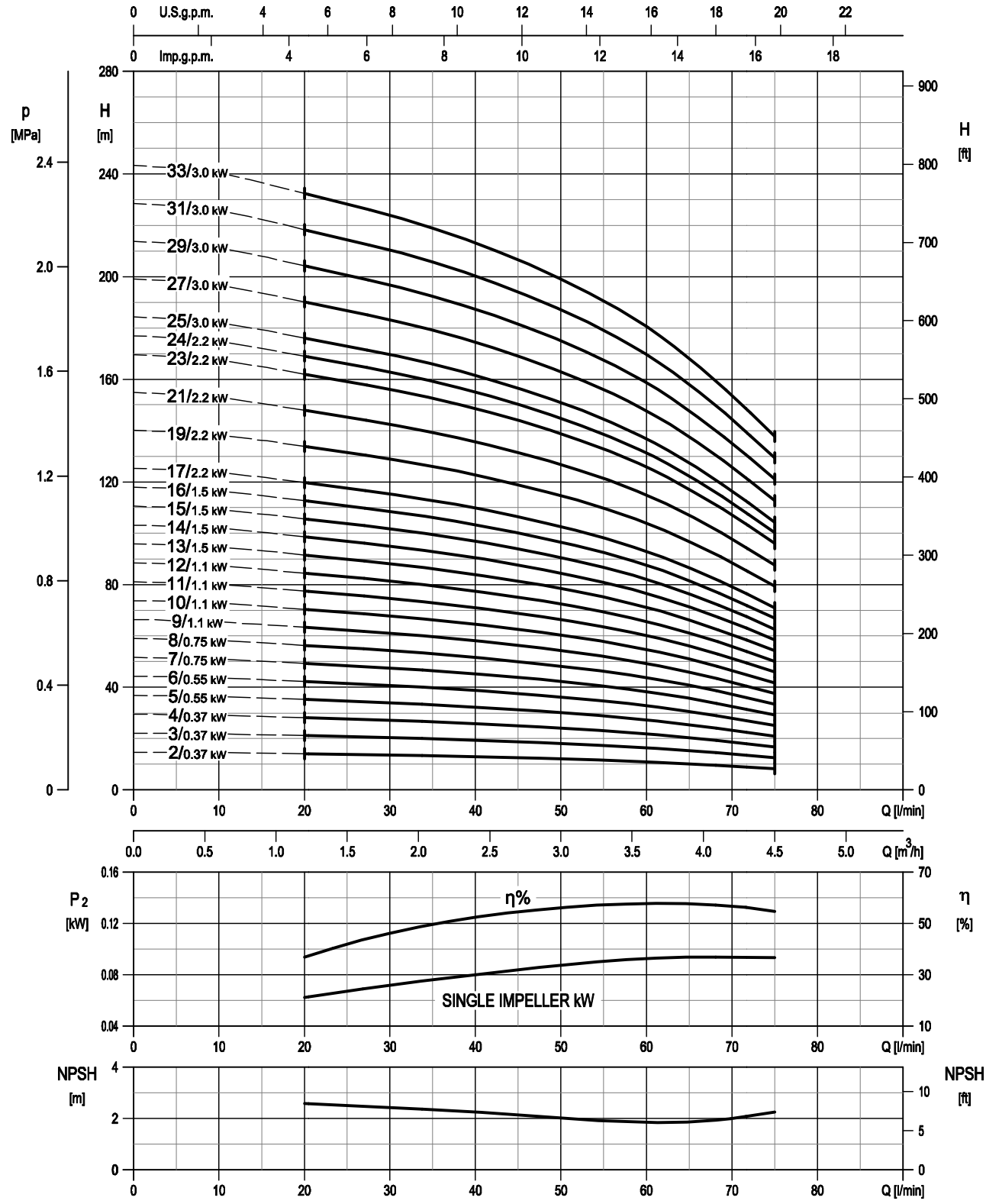
QUANTITY FOR MODEL EVMSG1

Pump Type	N°																												
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	43-5	43-7	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMSG1 2/0.37	1	1	/	1	1	1	1	2	1	1	/	1	/	/	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG1 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG1 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG1 5/0.37	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG1 6/0.37	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG1 7/0.37	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	2	1	1	1	1	4	7	1	1	1	1	2	1	1
EVMSG1 8/0.37	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	2	1	1	1	1	4	8	1	1	1	1	2	1	1
EVMSG1 9/0.55	1	1	7	1	1	1	1	9	1	1	15	1	1	/	1	2	1	1	1	1	4	9	1	1	1	1	2	1	1
EVMSG1 10/0.55	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	2	1	1	1	1	4	10	1	1	1	1	2	1	1
EVMSG1 11/0.55	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	2	1	1	1	1	4	11	1	1	1	1	2	1	1
EVMSG1 12/0.55	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	2	1	1	1	1	4	12	1	1	1	1	2	1	1
EVMSG1 13/0.55	1	1	10	2	1	1	1	13	1	1	20	2	1	1	2	2	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG1 14/0.75	1	1	11	2	1	1	1	14	1	1	22	2	/	1	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG1 16/0.75	1	1	13	2	1	1	1	16	1	1	26	2	/	1	2	2	1	1	2	1	4	16	1	1	1	1	2	1	1
EVMSG1 18/1.1	1	1	15	2	1	1	1	18	1	1	30	2	/	1	2	2	1	1	2	1	4	18	1	1	1	1	2	1	1
EVMSG1 20/1.1	1	1	17	2	1	1	1	20	1	1	34	2	/	1	2	2	1	1	2	1	4	20	1	1	1	1	2	1	1
EVMSG1 22/1.1	1	1	19	2	1	1	1	22	1	1	38	2	/	1	2	2	1	1	2	1	4	22	1	1	1	1	2	1	1
EVMSG1 24/1.1	1	1	21	2	1	1	1	24	1	1	42	2	/	1	2	2	1	1	2	1	4	24	1	1	1	1	2	1	1
EVMSG1 26/1.1	1	1	23	2	1	1	1	26	1	1	46	2	/	1	2	2	1	1	2	1	4	26	1	1	1	1	2	1	1
EVMSG1 27/1.5	1	1	24	2	1	1	1	27	1	1	48	2	/	1	2	2	1	1	2	1	4	27	1	1	1	1	2	1	1
EVMSG1 29/1.5	1	1	26	2	1	1	1	29	1	1	52	2	/	1	2	2	1	1	2	1	4	29	1	1	1	1	2	1	1
EVMSG1 32/1.5	1	1	29	2	1	1	1	32	1	1	58	2	/	1	2	2	1	1	2	1	4	32	1	1	1	1	2	1	1
EVMSG1 34/1.5	1	1	31	2	1	1	1	34	1	1	62	2	/	1	2	2	1	1	2	1	4	34	1	1	1	1	2	1	1
EVMSG1 37/2.2	1	1	34	2	1	1	1	37	1	1	68	2	/	1	2	2	1	1	2	1	4	37	1	1	1	1	2	1	1
EVMSG1 39/2.2	1	1	36	2	1	1	1	39	1	1	72	2	/	1	2	2	1	1	2	1	4	39	1	1	1	1	2	1	1

Pump Type	N°																						
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG1 2/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 3/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 4/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 5/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 6/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 7/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 8/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 9/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 10/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 11/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 12/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 13/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 14/0.75	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 16/0.75	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 18/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 20/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 22/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 24/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 26/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 27/1.5	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 29/1.5	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 32/1.5	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 34/1.5	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 37/2.2	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 39/2.2	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4

* only for Oval flange (N)

PERFORMANCE CURVE
EVMS(L)3

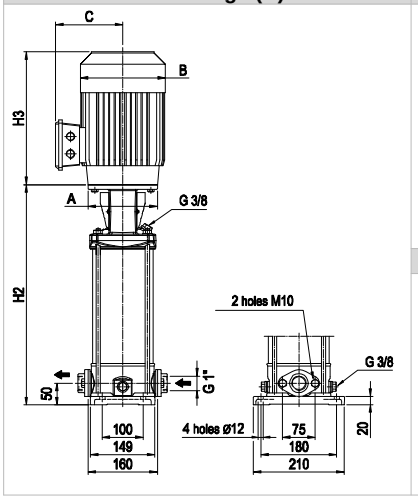


Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

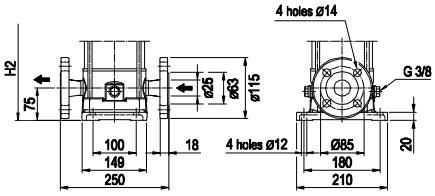
TECHNICAL DATA
EVMS(L)3

Dimensional sketch

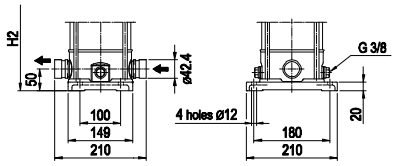
Oval flange (N)



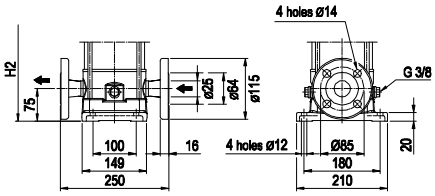
DIN Loose round flange (LF) - DN25



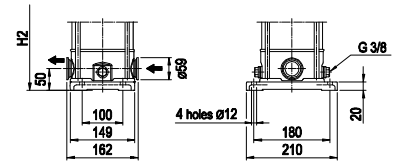
Victaulic® connection (V)



DIN Round flange (F) - DN25



Clamp connection (C)

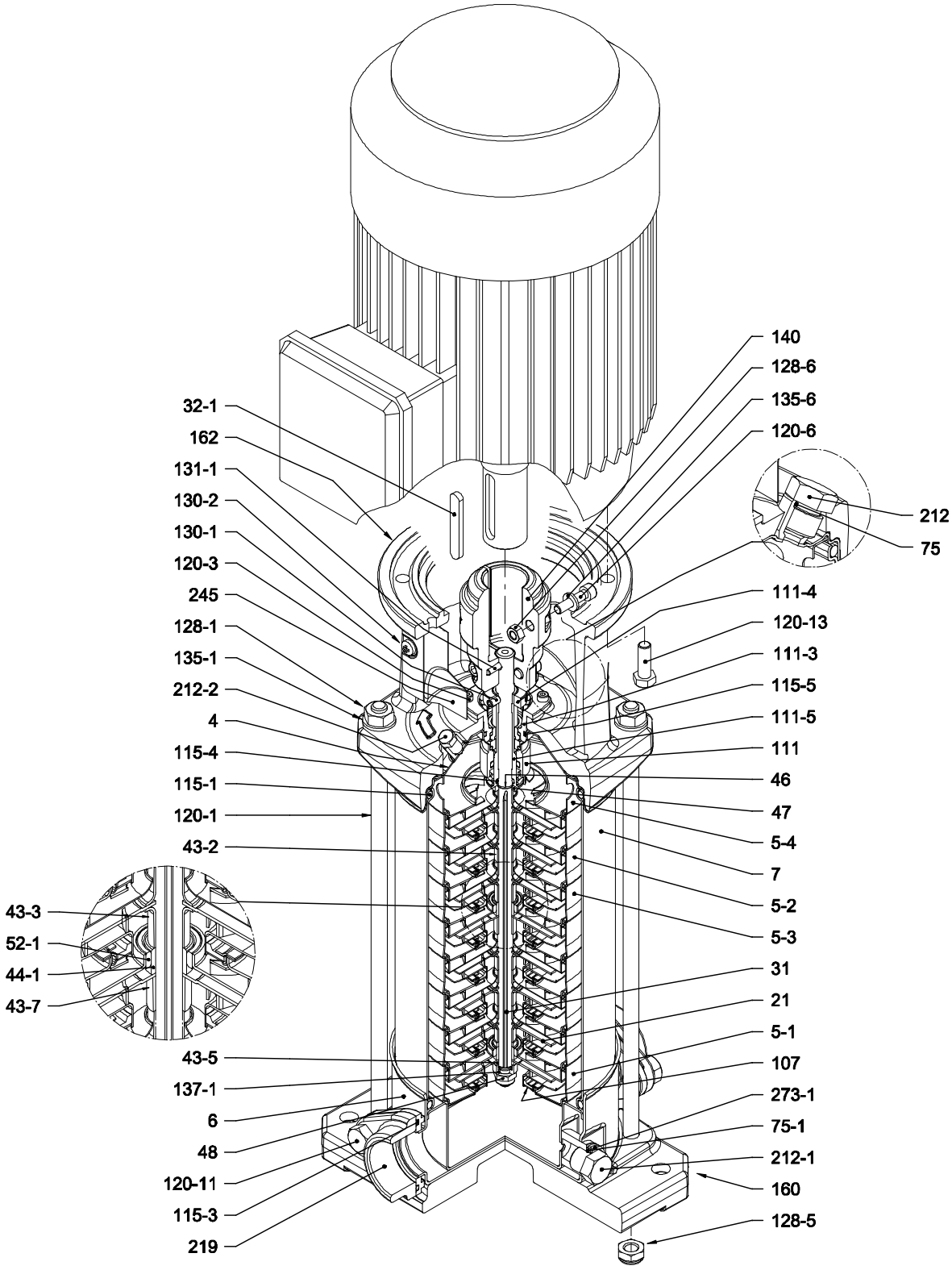


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Loose round flange (LF) Round flange (F) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Victaulic® connection (V) Clamp connection (C) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~
EVMS(L)3 2/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	250	9.7	16.8	15.5	275	10.5	17.6	16.3	250	9.7	16.8	15.5
EVMS(L)3 3/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	271	10.1	17.2	15.9	296	10.9	18	16.7	271	10.2	17.3	16
EVMS(L)3 4/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	292	10.6	17.7	16.4	317	11.3	18.4	17.1	292	10.6	17.7	16.4
EVMS(L)3 5/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	313	11	19.5	17.2	338	11.8	20.3	18	313	11.1	19.6	17.3
EVMS(L)3 6/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	334	11.4	19.9	17.6	359	12.2	20.7	18.4	334	11.5	20	17.7
EVMS(L)3 7/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	365	12.4	23.8	21.9	390	13.1	24.5	22.6	365	12.4	23.8	21.9
EVMS(L)3 8/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	386	12.8	24.2	22.3	411	13.6	25	23.1	386	12.9	24.3	22.4
EVMS(L)3 9/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	407	13.2	25	24.3	432	14	25.8	25.1	407	13.3	25.1	24.4
EVMS(L)3 10/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	428	13.7	25.5	24.8	453	14.5	26.3	25.6	428	13.7	25.5	24.8
EVMS(L)3 11/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	449	14.1	25.9	25.2	474	14.9	26.7	26	449	14.2	26	25.3
EVMS(L)3 12/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	470	14.6	26.4	25.7	495	15.4	27.2	26.5	470	14.6	26.4	25.7
EVMS(L)3 13/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	501	15.3	33.1	28.0	526	16.1	33.9	28.8	501	15.3	33.1	28
EVMS(L)3 14/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	522	15.7	33.5	28.4	547	16.5	34.3	29.2	522	15.8	33.6	28.5
EVMS(L)3 15/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	543	16.2	34	28.9	568	17	34.8	30	543	16.3	34.1	29
EVMS(L)3 16/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	564	17.3	35.1	30.0	589	18	35.8	31	564	17.3	35.1	30
EVMS(L)3 17/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	585	17.7	37.2	33.7	610	18.5	38	34.5	585	17.7	37.2	33.7
EVMS(L)3 19/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	627	18.7	38.2	34.7	652	19.5	39	35.5	627	18.7	38.2	34.7
EVMS(L)3 21/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	669	19.6	39.1	35.6	694	20.4	39.9	36.4	669	19.6	39.1	35.6
EVMS(L)3 23/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	-	-	-	-	736	21.4	40.9	37.4	711	20.6	40.1	36.6
EVMS(L)3 24/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	-	-	-	-	757	21.8	41.3	37.8	732	21.1	40.6	37.1
EVMS(L)3 25/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	788	22.4	-	45.2	763	21.7	-	44.5
EVMS(L)3 27/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	830	23.4	-	46.2	805	22.6	-	45.4
EVMS(L)3 29/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	872	24.3	-	47.1	847	23.6	-	46.4
EVMS(L)3 31/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	914	25.3	-	48.1	889	24.6	-	47.4
EVMS(L)3 33/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	956	26.1	-	48.9	931	25.4	-	48.2

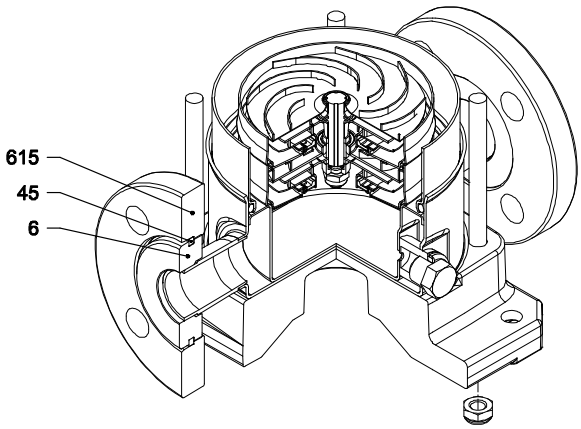
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMS(L)3

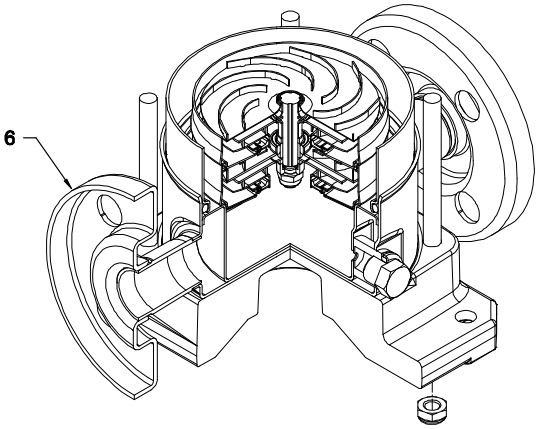


with Oval flange (N)

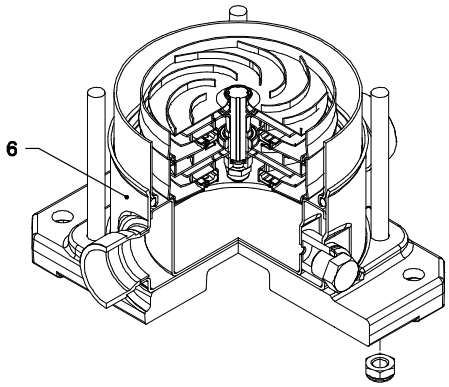
PIPE CONNECTION
EVMS(L)3



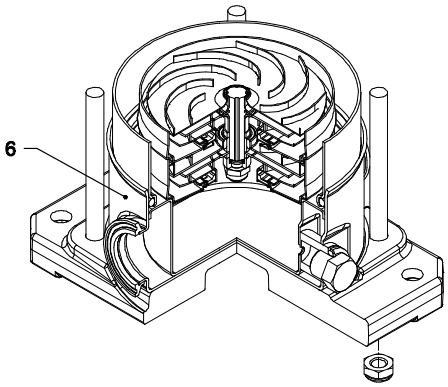
with Loose round flange (LF)



with Round flange (F)



with Victaulic® connection (V)



with Clamp connection (C)

SECTIONAL TABLE
EVMS(L)3

N°	PART NAME		MATERIAL EVMS	MATERIAL EVMSL	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-1	Suction casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-4	Discharge casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
6	Bottom casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
7	Outer casing		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
31	Shaft		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
43-5	Shaft sleeve (last stage)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
43-7	Spacer		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
44-1	Shaft sleeve bearing		Tungsten carbide			
45	Flange holder		EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)			
47	Ring Holder		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	A4-70 UNI 7323 with inox insert	M8	
52-1	Bearing		Tungsten carbide			
75	O-Ring (plug)		EPDM		D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM			
107	Liner ring		EN 1.4301 (AISI 304) + PPS	EN 1.4401 (AISI 316) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM			
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
111-4	Seal holder		EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
115-1	O-Ring (outer casing)		EPDM		D. 129.54x5.34	OR 6510
115-3	O-Ring		EPDM			
115-4	O-Ring (cartridge sleeve)		EPDM		D. 11.91x2.62	OR 115
115-5	O-Ring (seal cover)		EPDM		D. 32.99x2.62	OR 3131
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1		M10	
120-3	Screw		A2-70 UNI 7323		M4x10	ISO 4762
120-6	Screw for coupling		Galvanized steel		M6x25	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323			
120-13	Screw for motor	MEC 71-80	Galvanized steel 8.8 strength class ISO 898/1		M6x20	ISO 4017
		MEC 90-100			M8x20	ISO 4017
128-1	Nut for tie rod		Galvanized steel		M10	UNI 5588
128-5	Nut for tie rod		A2-70 UNI 7323		M10	UNI 7474
128-6	Nut for coupling		Galvanized steel		M6	ISO 4032
130-1	Set screw		A2-70 UNI 7323		M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323		M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel		D. 4x32	UNI 4838
135-1	Washer		Galvanized steel		D. 10.5x21x2	UNI 6592
135-6	Washer		Carbon Steel		Ø6	
137-1	Impeller spacer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
140	Coupling	up to 4.0 kW	Die cast aluminium EN AB-AISI11Cu2 (Fe)			
160	Base		Die cast aluminium EN AB-AISI11Cu2 (Fe)			
162	Motor bracket		Cast iron EN-GJL-200-EN 1561			
212	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)			
219	Counter flange		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
245	Coupling guard		EN 1.4301 (AISI 304)			
273-1	Plug Washer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
615	Flange		Nodular Cast Iron			

QUANTITY FOR MODEL EVMS(L)3

Pump Type	N°																														
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	43-5	43-7	44-1	45**	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5
EVMS(L)3 2/0.37	1	1	/	1	1	1	1	2	1	1	/	1	/	/	1	4	2	1	1	1	1	2	2	1	1	1	1	2	2	1	1
EVMS(L)3 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	4	2	1	1	1	1	2	3	1	1	1	1	2	2	1	1
EVMS(L)3 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1
EVMS(L)3 5/0.55	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1
EVMS(L)3 6/0.55	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1
EVMS(L)3 7/0.75	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	4	2	1	1	1	1	2	7	1	1	1	1	2	2	1	1
EVMS(L)3 8/0.75	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	4	2	1	1	1	1	2	8	1	1	1	1	2	2	1	1
EVMS(L)3 9/1.1	1	1	7	1	1	1	1	9	1	1	15	1	1	/	1	4	2	1	1	1	1	2	9	1	1	1	1	2	2	1	1
EVMS(L)3 10/1.1	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	4	2	1	1	1	1	2	10	1	1	1	1	2	2	1	1
EVMS(L)3 11/1.1	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	4	2	1	1	1	1	2	11	1	1	1	1	2	2	1	1
EVMS(L)3 12/1.1	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	4	2	1	1	1	1	2	12	1	1	1	1	2	2	1	1
EVMS(L)3 13/1.5	1	1	10	2	1	1	1	13	1	1	20	2	1	1	2	4	2	1	1	2	1	2	13	1	1	1	1	2	2	1	1
EVMS(L)3 14/1.5	1	1	11	2	1	1	1	14	1	1	22	2	/	1	2	4	2	1	1	2	1	2	14	1	1	1	1	2	2	1	1
EVMS(L)3 15/1.5	1	1	12	2	1	1	1	15	1	1	24	2	/	1	2	4	2	1	1	2	1	2	15	1	1	1	1	2	2	1	1
EVMS(L)3 16/1.5	1	1	13	2	1	1	1	16	1	1	26	2	/	1	2	4	2	1	1	2	1	2	16	1	1	1	1	2	2	1	1
EVMS(L)3 17/2.2	1	1	14	2	1	1	1	17	1	1	28	2	1	1	2	4	2	1	1	2	1	2	17	1	1	1	1	2	2	1	1
EVMS(L)3 19/2.2	1	1	16	2	1	1	1	19	1	1	32	2	/	1	2	4	2	1	1	2	1	2	19	1	1	1	1	2	2	1	1
EVMS(L)3 21/2.2	1	1	18	2	1	1	1	21	1	1	36	2	1	1	2	4	2	1	1	2	1	2	21	1	1	1	1	2	2	1	1
EVMS(L)3 23/2.2	1	1	20	2	1	1	1	23	1	1	40	2	/	1	2	4	2	1	1	2	1	2	23	1	1	1	1	2	/	1	1
EVMS(L)3 24/2.2	1	1	21	2	1	1	1	24	1	1	42	2	/	1	2	4	2	1	1	2	1	2	24	1	1	1	1	2	/	1	1
EVMS(L)3 25/3.0	1	1	22	2	1	1	1	25	1	1	44	2	/	1	2	4	2	1	1	2	1	2	25	1	1	1	1	2	/	1	1
EVMS(L)3 27/3.0	1	1	24	2	1	1	1	27	1	1	48	2	/	1	2	4	2	1	1	2	1	2	27	1	1	1	1	2	/	1	1
EVMS(L)3 29/3.0	1	1	26	2	1	1	1	29	1	1	52	2	/	1	2	4	2	1	1	2	1	2	29	1	1	1	1	2	/	1	1
EVMS(L)3 31/3.0	1	1	28	2	1	1	1	31	1	1	56	2	/	1	2	4	2	1	1	2	1	2	31	1	1	1	1	2	/	1	1
EVMS(L)3 33/3.0	1	1	30	2	1	1	1	33	1	1	60	2	/	1	2	4	2	1	1	2	1	2	33	1	1	1	1	2	/	1	1

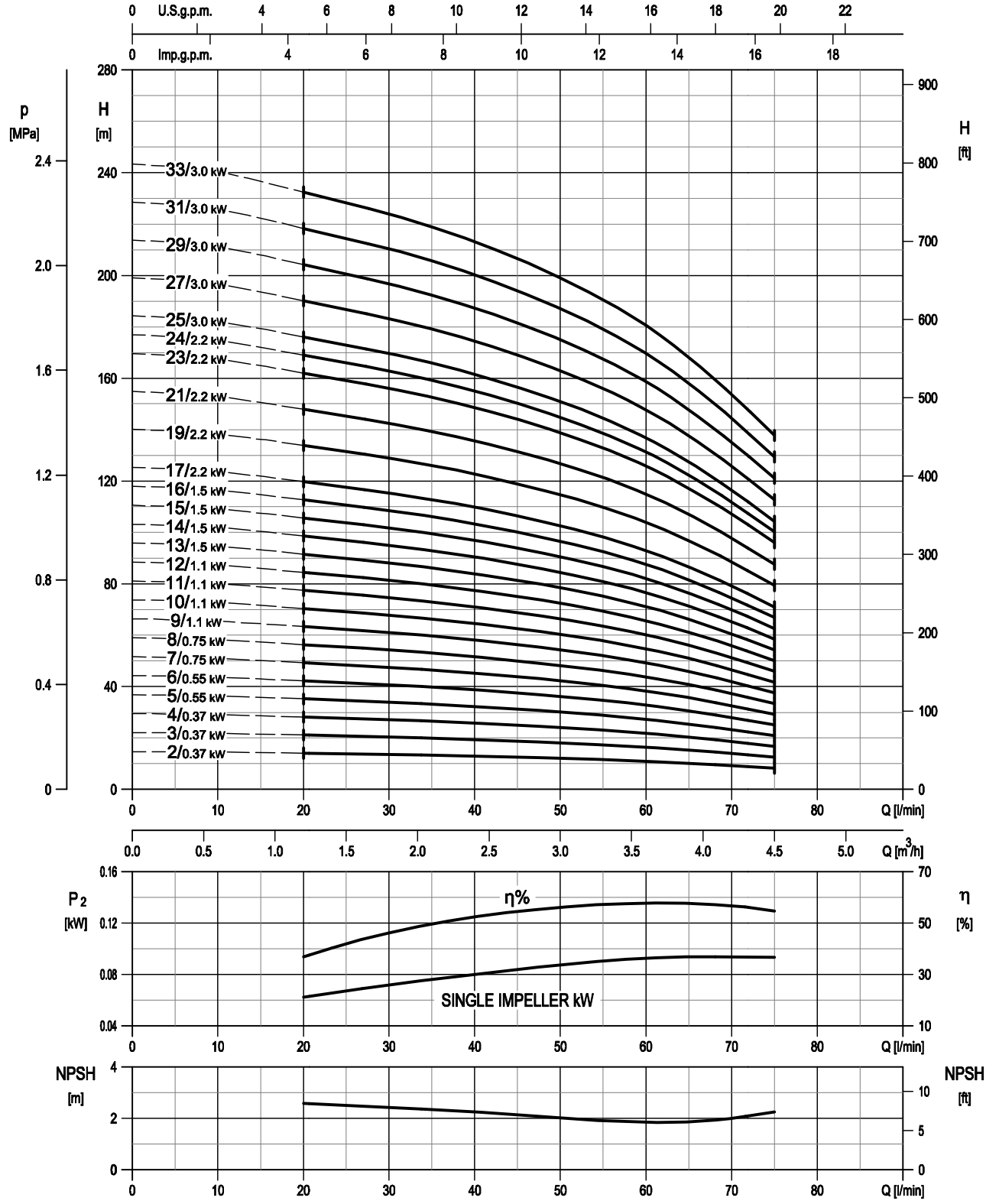
Pump Type	N°																								
	120-1	120-3	120-6	120-11*	120-13	128-1	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)3 2/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 3/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 4/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 5/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 6/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 7/0.75	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 8/0.75	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 9/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 10/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 11/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 12/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 13/1.5	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 14/1.5	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 15/1.5	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 16/1.5	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 17/2.2	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 19/2.2	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 21/2.2	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)3 23/2.2	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)3 24/2.2	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)3 25/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)3 27/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)3 29/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)3 31/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)3 33/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)

** only for Loose round flange (LF)

VERTICAL MULTISTAGE PUMPS EVMS

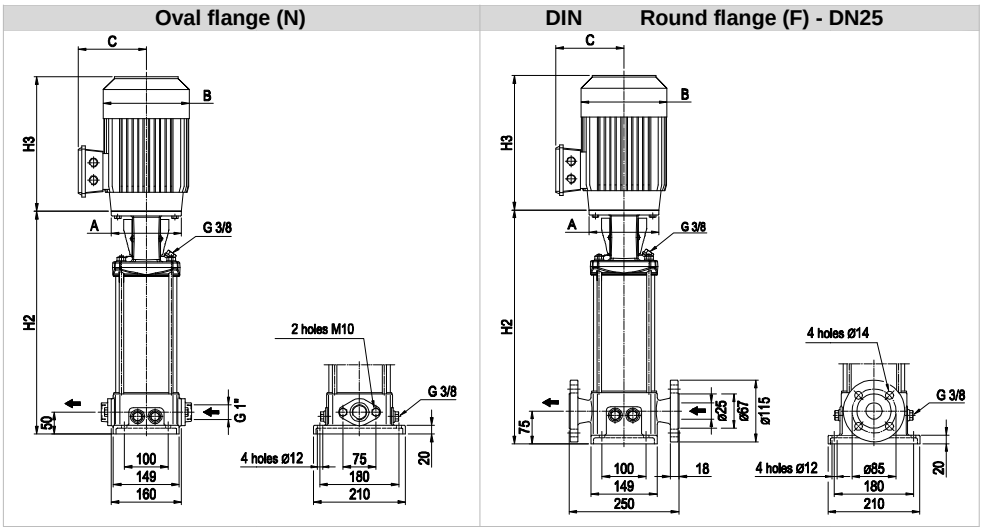
PERFORMANCE CURVE
EVMSG3



Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

TECHNICAL DATA
EVMSG3

Dimensional sketch

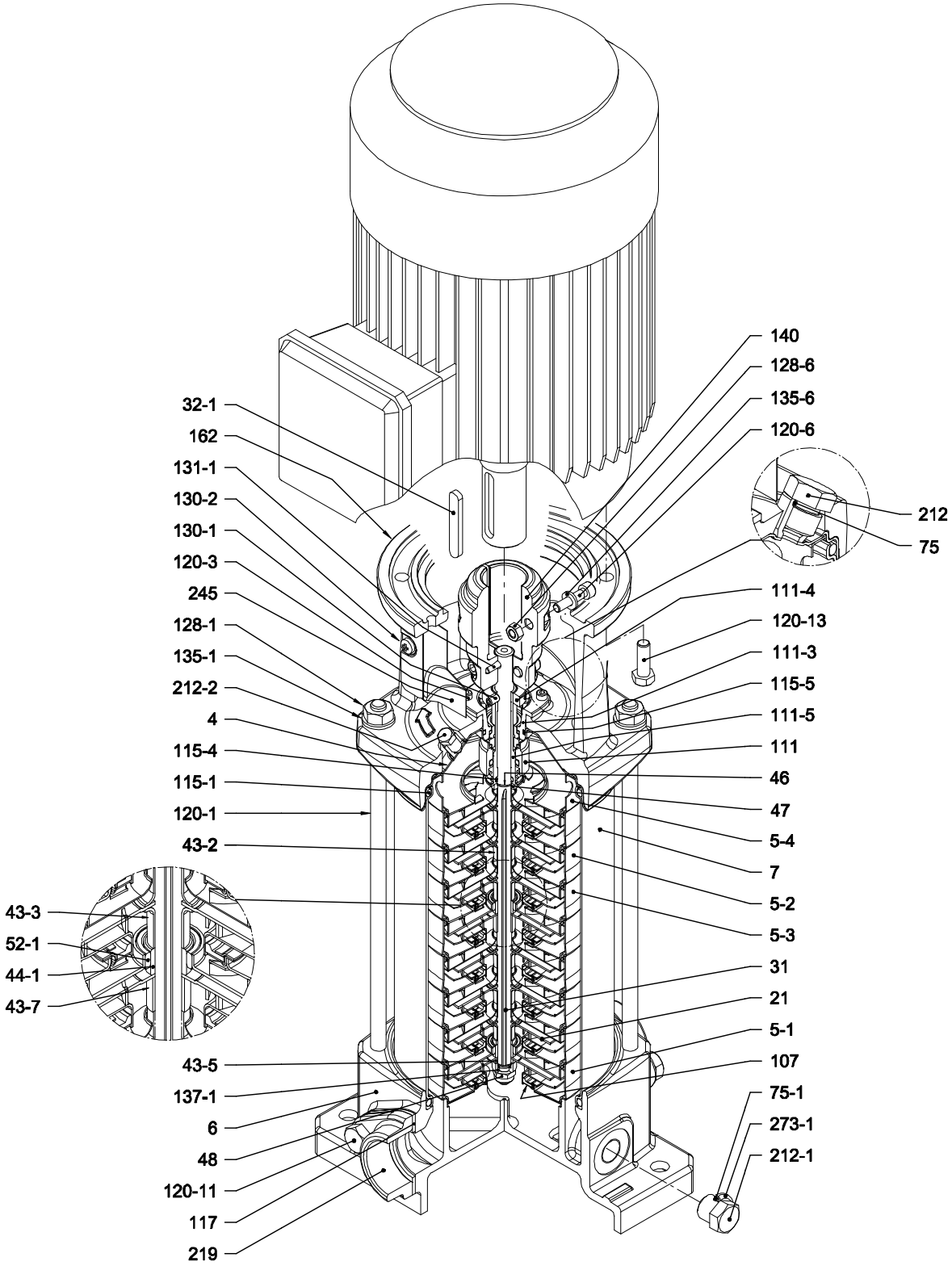


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Round flange (F) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~
EVMSG3 2/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	250	12.9	20	18.7	275	15.7	22.8	21.5
EVMSG3 3/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	271	13.3	20.4	19.1	296	16.1	23.2	21.9
EVMSG3 4/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	292	13.8	20.9	19.6	317	16.6	23.7	22.4
EVMSG3 5/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	313	14.2	22.7	20.4	338	17	25.5	23.2
EVMSG3 6/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	334	14.7	23.2	20.9	359	17.4	25.9	23.6
EVMSG3 7/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	365	15.6	27	25.1	390	18.3	29.7	27.8
EVMSG3 8/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	386	16	27.4	25.5	411	18.8	30.2	28.3
EVMSG3 9/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	407	16.4	28.2	27.5	432	19.2	31	30.3
EVMSG3 10/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	428	16.9	28.7	28	453	19.7	31.5	30.8
EVMSG3 11/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	449	17.3	29.1	28.4	474	20.1	31.9	31.2
EVMSG3 12/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	470	17.8	29.6	28.9	495	20.6	32.4	31.7
EVMSG3 13/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	501	18.5	36.3	32.5	526	21.3	39.1	35.3
EVMSG3 14/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	522	19	36.8	31.7	547	21.7	39.5	34.4
EVMSG3 15/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	543	19.4	37.2	32.1	568	22.2	40	34.9
EVMSG3 16/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	564	20.5	38.3	33.2	589	23.2	41	35.9
EVMSG3 17/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	585	20.9	40.4	36.9	610	23.7	43.2	39.7
EVMSG3 19/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	627	21.9	41.4	37.9	652	24.7	44.2	40.7
EVMSG3 21/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	669	22.8	42.3	38.8	694	25.6	45.1	41.6
EVMSG3 23/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	-	-	-	-	736	26.6	46.1	42.6
EVMSG3 24/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	-	-	-	-	757	27	46.5	43
EVMSG3 25/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	788	27.6	-	50.4
EVMSG3 27/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	830	28.6	-	51.4
EVMSG3 29/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	872	29.6	-	52.4
EVMSG3 31/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	914	30.5	-	53.3
EVMSG3 33/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	-	-	-	-	956	31.3	-	54.1

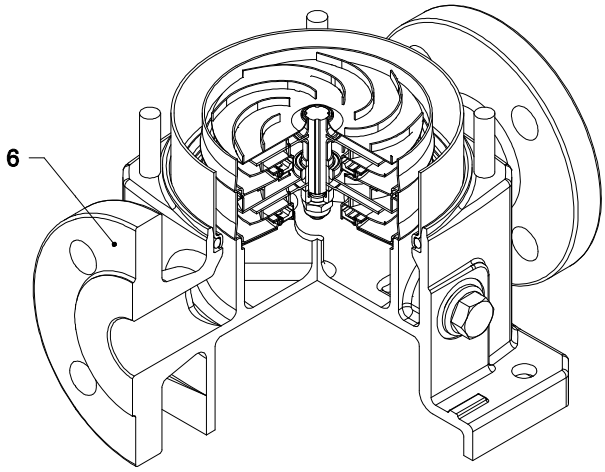
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMSG3



with Oval flange (N)

PIPE CONNECTION
EVMSG3



with Round flange (F)

SECTIONAL TABLE
EVMSG3

N°	PART NAME		MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)		
5-1	Suction casing		EN 1.4301 (AISI 304)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)		
5-4	Discharge casing		EN 1.4301 (AISI 304)		
6	Bottom casing		Cast Iron EN GJL-250-EN1561		
7	Outer casing		EN 1.4301 (AISI 304)		
21	Impeller		EN 1.4301 (AISI 304)		
31	Shaft		EN 1.4301 (AISI 304)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)		
43-5	Shaft sleeve (last stage)		EN 1.4301 (AISI 304)		
43-7	Spacer		EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing		Tungsten carbide		
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)		
47	Ring Holder		EN 1.4301 (AISI 304)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	M8	
52-1	Bearing		Tungsten carbide		
75	O-Ring (plug)		EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM		
107	Liner ring		EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM		
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)		
111-4	Seal holder		EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)		EPDM	D. 129.54x5.34	OR 6510
115-4	O-Ring (cartridge sleeve)		EPDM	D. 11.91x2.62	OR 115
115-5	O-Ring (seal cover)		EPDM	D. 32.99x2.62	OR 3131
117	Flange gasket		EPDM		
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1	M10	
120-3	Screw		A2-70 UNI 7323	M4x10	ISO 4762
120-6	Screw for coupling		Galvanized steel	M6x25	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323		
120-13	Screw for motor	MEC 71-80	Galvanized steel 8.8 strength class ISO 898/1	M6x20	ISO 4017
		MEC 90-100		M8x20	ISO 4017
128-1	Nut for tie rod		Galvanized steel	M10	UNI 5588
128-6	Nut for coupling		Galvanized steel	M6	ISO 4032
130-1	Set screw		A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel	D. 4x32	UNI 4838
135-1	Washer		Galvanized steel	D. 10.5x21x2	UNI 6592
135-6	Washer		Carbon Steel	Ø6	
137-1	Impeller spacer		EN 1.4301 (AISI 304)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
162	Motor bracket		Cast iron EN-GJL-200-EN 1561		
212	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)		
219	Counter flange		Galvanized steel		
245	Coupling guard		EN 1.4301 (AISI 304)		
273-1	Plug Washer		EN 1.4301 (AISI 304)		

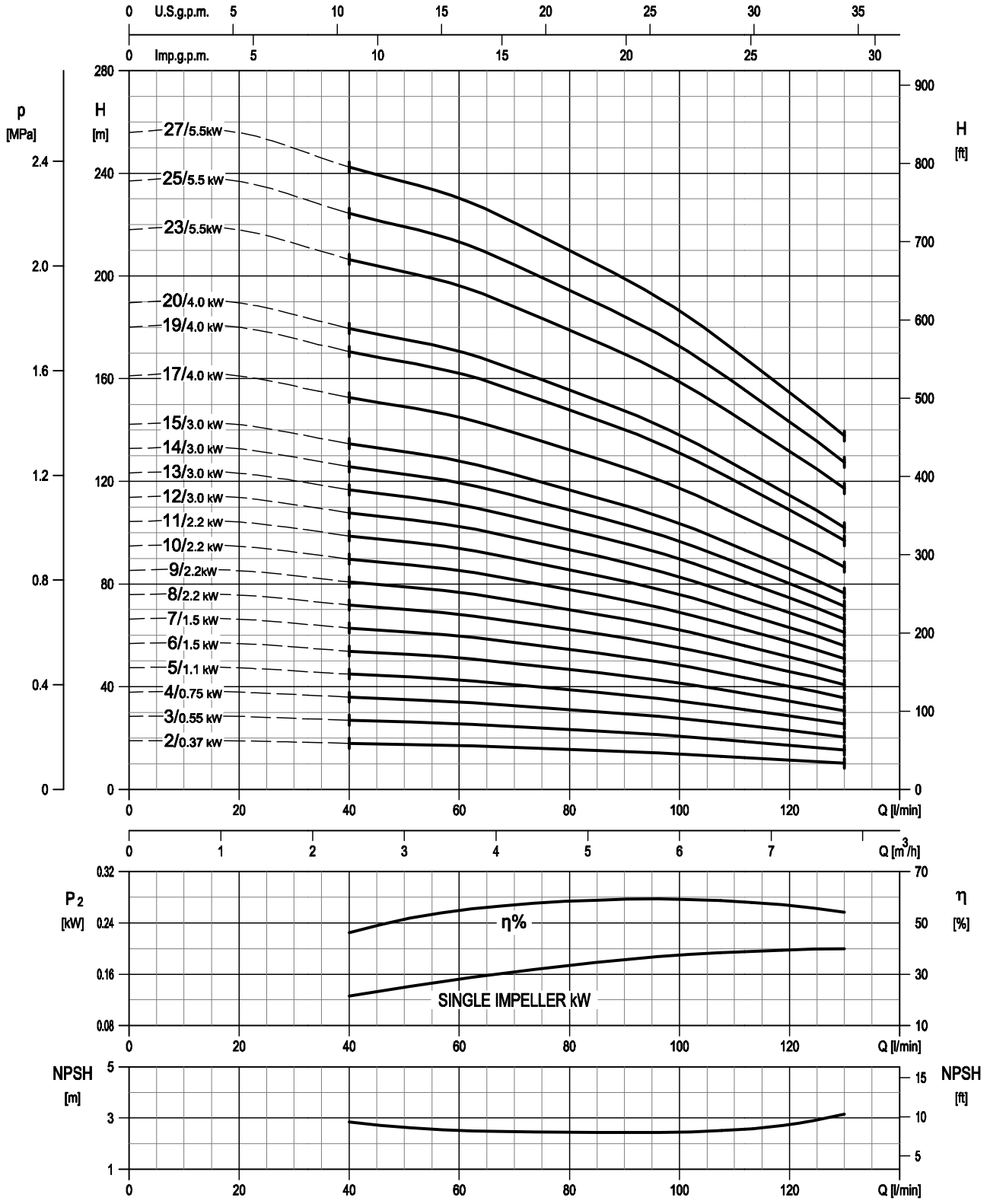
QUANTITY FOR MODEL EVMSG3

Pump Type	N°																												
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	43-5	43-7	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMSG3 2/0.37	1	1	/	1	1	1	1	2	1	1	/	1	/	/	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG3 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG3 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG3 5/0.55	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG3 6/0.55	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG3 7/0.75	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	2	1	1	1	1	4	7	1	1	1	1	2	1	1
EVMSG3 8/0.75	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	2	1	1	1	1	4	8	1	1	1	1	2	1	1
EVMSG3 9/1.1	1	1	7	1	1	1	1	9	1	1	15	1	1	/	1	2	1	1	1	1	4	9	1	1	1	1	2	1	1
EVMSG3 10/1.1	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	2	1	1	1	1	4	10	1	1	1	1	2	1	1
EVMSG3 11/1.1	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	2	1	1	1	1	4	11	1	1	1	1	2	1	1
EVMSG3 12/1.1	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	2	1	1	1	1	4	12	1	1	1	1	2	1	1
EVMSG3 13/1.5	1	1	10	2	1	1	1	13	1	1	20	2	1	1	2	2	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG3 14/1.5	1	1	11	2	1	1	1	14	1	1	22	2	/	1	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG3 15/1.5	1	1	12	2	1	1	1	15	1	1	24	2	/	1	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG3 16/1.5	1	1	13	2	1	1	1	16	1	1	26	2	/	1	2	2	1	1	2	1	4	16	1	1	1	1	2	1	1
EVMSG3 17/2.2	1	1	14	2	1	1	1	17	1	1	28	2	1	1	2	2	1	1	2	1	4	17	1	1	1	1	2	1	1
EVMSG3 19/2.2	1	1	16	2	1	1	1	19	1	1	32	2	/	1	2	2	1	1	2	1	4	19	1	1	1	1	2	1	1
EVMSG3 21/2.2	1	1	18	2	1	1	1	21	1	1	36	2	1	1	2	2	1	1	2	1	4	21	1	1	1	1	2	1	1
EVMSG3 23/2.2	1	1	20	2	1	1	1	23	1	1	40	2	/	1	2	2	1	1	2	1	4	23	1	1	1	1	2	1	1
EVMSG3 24/2.2	1	1	21	2	1	1	1	24	1	1	42	2	/	1	2	2	1	1	2	1	4	24	1	1	1	1	2	1	1
EVMSG3 25/3.0	1	1	22	2	1	1	1	25	1	1	44	2	/	1	2	2	1	1	2	1	4	25	1	1	1	1	2	1	1
EVMSG3 27/3.0	1	1	24	2	1	1	1	27	1	1	48	2	/	1	2	2	1	1	2	1	4	27	1	1	1	1	2	1	1
EVMSG3 29/3.0	1	1	26	2	1	1	1	29	1	1	52	2	/	1	2	2	1	1	2	1	4	29	1	1	1	1	2	1	1
EVMSG3 31/3.0	1	1	28	2	1	1	1	31	1	1	56	2	/	1	2	2	1	1	2	1	4	31	1	1	1	1	2	1	1
EVMSG3 33/3.0	1	1	30	2	1	1	1	33	1	1	60	2	/	1	2	2	1	1	2	1	4	33	1	1	1	1	2	1	1

Pump Type	N°																							
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG3 2/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 3/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 4/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 5/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 6/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 7/0.75	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 8/0.75	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 9/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 10/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 11/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 12/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 13/1.5	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 14/1.5	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 15/1.5	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 16/1.5	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 17/2.2	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 19/2.2	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 21/2.2	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 23/2.2	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 24/2.2	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 25/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 27/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 29/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 31/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 33/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4

* only for Oval flange (N)

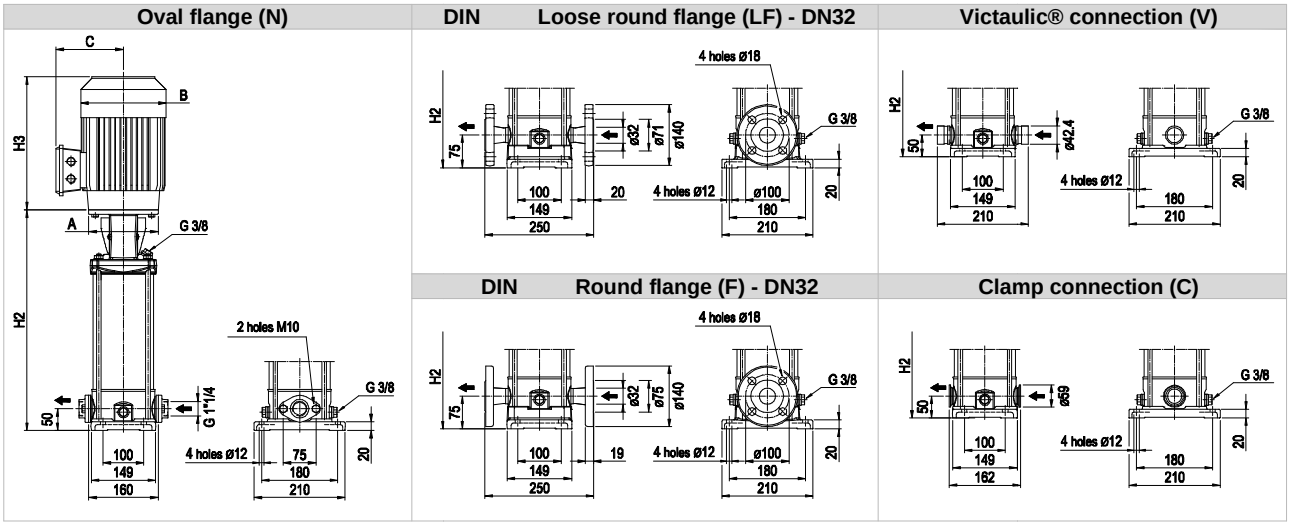
PERFORMANCE CURVE
EVMS(L)5



Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

TECHNICAL DATA
EVMS(L)5

Dimensional sketch

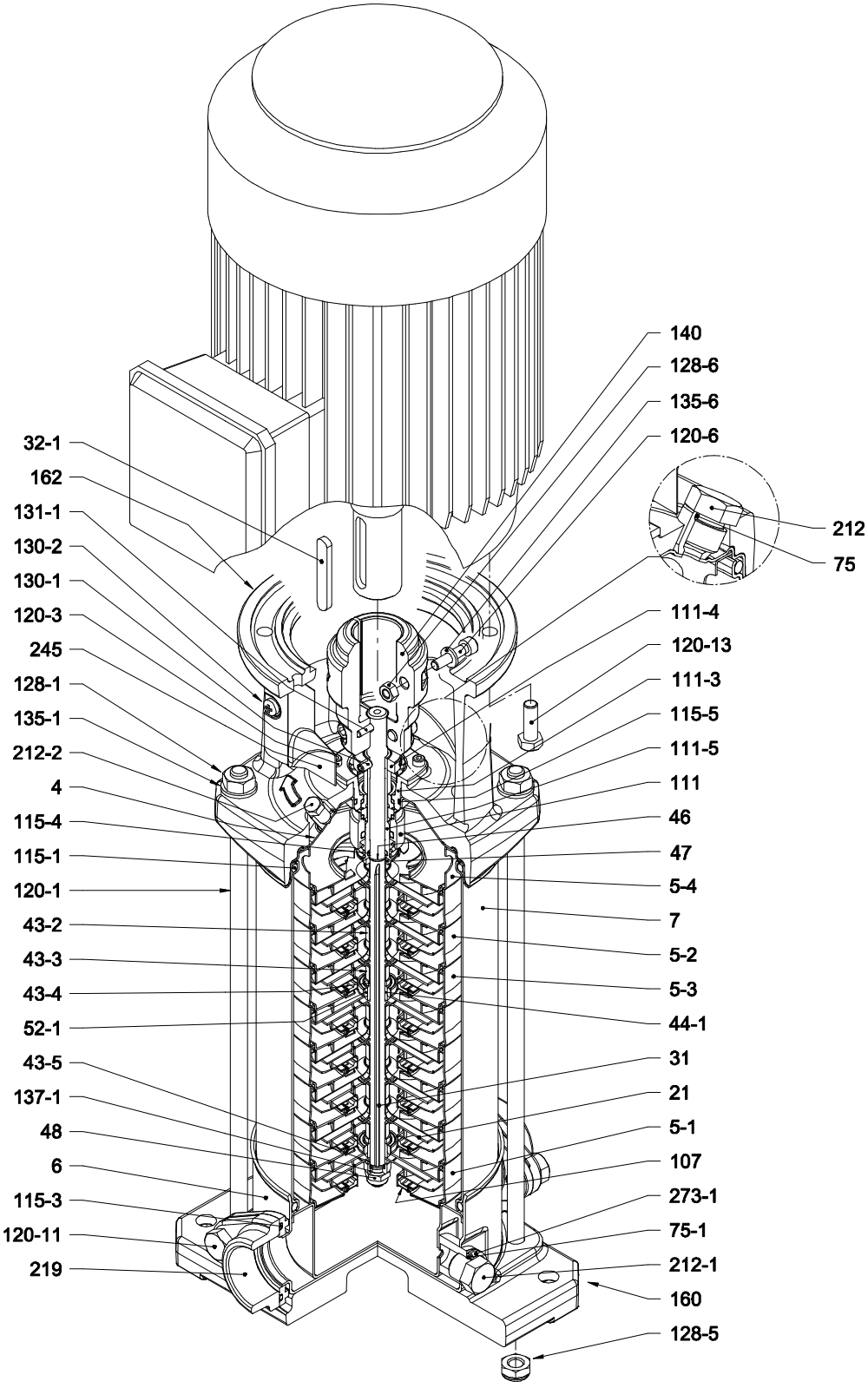


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Loose round flange (LF) Round flange (F) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Victaulic® connection (V) Clamp connection (C) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~
EVMS(L)5 2/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	264	9.8	16.9	15.6	289	11	18.1	16.8	264	9.9	17	15.7
EVMS(L)5 3/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	292	10.3	18.8	16.5	317	11.5	20	17.7	292	10.4	18.9	16.6
EVMS(L)5 4/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	330	11.3	22.7	20.8	355	12.5	23.9	22	330	11.4	22.8	20.9
EVMS(L)5 5/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	358	11.8	23.6	22.9	383	13	24.8	24.1	358	11.9	23.7	23
EVMS(L)5 6/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	396	12.7	30.5	25.4	421	13.7	31.5	26.4	396	12.6	30.4	25.3
EVMS(L)5 7/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	424	12.8	30.6	25.5	449	14.1	31.9	26.8	424	13	30.8	25.7
EVMS(L)5 8/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	452	13.4	32.9	29.4	477	14.6	34.1	30.6	452	13.5	33	29.5
EVMS(L)5 9/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	480	13.9	33.4	29.9	505	15.2	34.7	31.2	480	14.1	33.6	30.1
EVMS(L)5 10/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	508	14.4	33.9	30.4	533	15.6	35.1	31.6	508	14.5	34	30.5
EVMS(L)5 11/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	536	15.2	34.7	31.2	561	16.5	36	32.5	536	15.4	34.9	31.4
EVMS(L)5 12/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	574	16.7	-	39.5	599	17.7	-	40.5	574	16.6	-	39.4
EVMS(L)5 13/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	602	17	-	39.8	627	18.3	-	41.1	602	17.2	-	40
EVMS(L)5 14/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	630	17.6	-	40.4	655	18.8	-	41.6	630	17.7	-	40.5
EVMS(L)5 15/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	658	18.6	-	41.4	683	19.9	-	42.7	658	18.8	-	41.6
EVMS(L)5 17/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	714	19.3	-	45.8	739	20.6	-	47.1	714	19.5	-	46
EVMS(L)5 19/4.0	2.5	4.0	112 M	ø160	-	-	-	196	155	306	-	-	-	-	795	21.7	-	48.2	770	20.6	-	47.1
EVMS(L)5 20/4.0	2.5	4.0	112 M	ø160	-	-	-	196	155	306	-	-	-	-	823	23.9	-	50.4	798	22.8	-	49.3
EVMS(L)5 23/5.5	2.5	5.5	132 S	ø300	-	-	-	225	160	328	-	-	-	-	1001	30.6	-	69.2	976	29.5	-	68.1
EVMS(L)5 25/5.5	2.5	5.5	132 S	ø300	-	-	-	225	160	328	-	-	-	-	1057	31.6	-	70.2	1032	30.5	-	69.1
EVMS(L)5 27/5.5	2.5	5.5	132 S	ø300	-	-	-	225	160	328	-	-	-	-	1113	33.1	-	71.7	1088	32	-	70.6

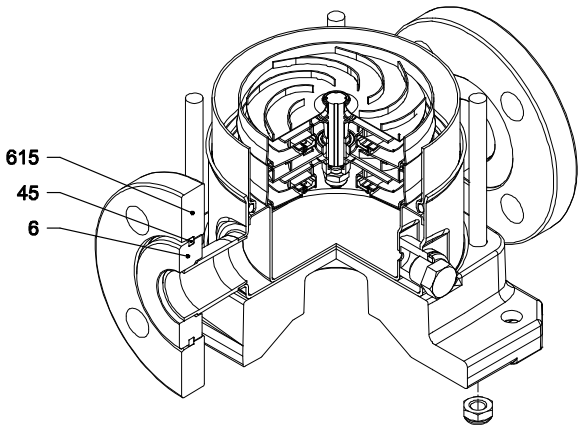
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMS(L)5

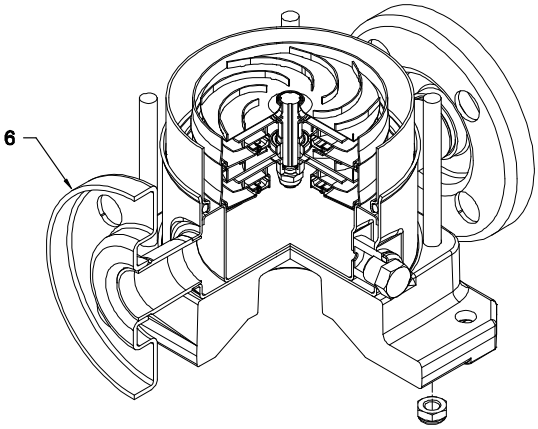


with Oval flange (N)

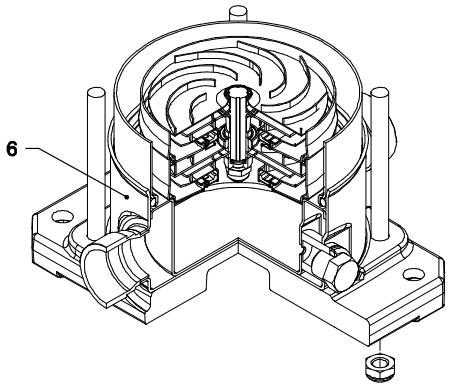
PIPE CONNECTION
EVMS(L)5



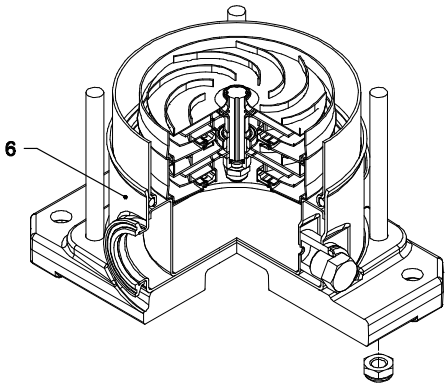
with Loose round flange (LF)



with Round flange (F)



with Victaulic® connection (V)



with Clamp connection (C)

SECTIONAL TABLE
EVMS(L)5

N°	PART NAME		MATERIAL EVMS	MATERIAL EVMSL	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-1	Suction casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-4	Discharge casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
6	Bottom casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
7	Outer casing		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
31	Shaft		EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)	EN 1.4404 (AISI 316L) - EN 1.4462 (AISI 329A)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
43-4	Shaft sleeve (adjustment)		EN 1.4404 (AISI 316L)			
43-5	Shaft sleeve (last stage)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
44-1	Shaft sleeve bearing		Tungsten carbide			
45	Flange holder		EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)			
47	Ring Holder		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	A4-70 UNI 7323 with inox insert	M8	
52-1	Bearing		Tungsten carbide			
75	O-Ring (plug)		EPDM		D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM			
107	Liner ring		EN 1.4301 (AISI 304) + PPS	EN 1.4401 (AISI 316) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM			
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
111-4	Seal holder		EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
115-1	O-Ring (outer casing)		EPDM		D. 129.54x5.34	OR 6510
115-3	O-Ring		EPDM			
115-4	O-Ring (cartridge sleeve)		EPDM		D. 11.91x2.62	OR 115
115-5	O-Ring (seal cover)		EPDM		D. 32.99x2.62	OR 3131
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1		M10	
120-3	Screw		A2-70 UNI 7323		M4x10	ISO 4762
120-6	Screw for coupling	up to 4.0 kW	Galvanized steel		M6x25	ISO 4762
		above 5.5 kW			M8x20	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323			
120-13	Screw for motor	MEC 71-80	Galvanized steel 8.8 strength class ISO 898/1		M6x20	ISO 4017
		MEC 90-100-112			M8x20	ISO 4017
		MEC 132			M12x40	ISO 4017
128-1	Nut for tie rod		Galvanized steel		M10	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel		M12	ISO 4032
128-5	Nut for tie rod		A2-70 UNI 7323		M10	UNI 7474
128-6	Nut for coupling		Galvanized steel		M6	ISO 4032
130-1	Set screw		A2-70 UNI 7323		M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323		M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel		D. 4x32	UNI 4838
135-1	Washer		Galvanized steel		D. 10.5x21x2	UNI 6592
135-6	Washer		Carbon Steel		Ø6	
137-1	Impeller spacer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
		above 5.5 kW	Cast Iron			
160	Base		Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
162	Motor bracket		Cast iron EN-GJL-200-EN 1561			
212	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)			
219	Counter flange		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
245	Coupling guard		EN 1.4301 (AISI 304)			
273-1	Plug Washer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
615	Flange		Nodular Cast Iron			

QUANTITY FOR MODEL EVMS(L)5

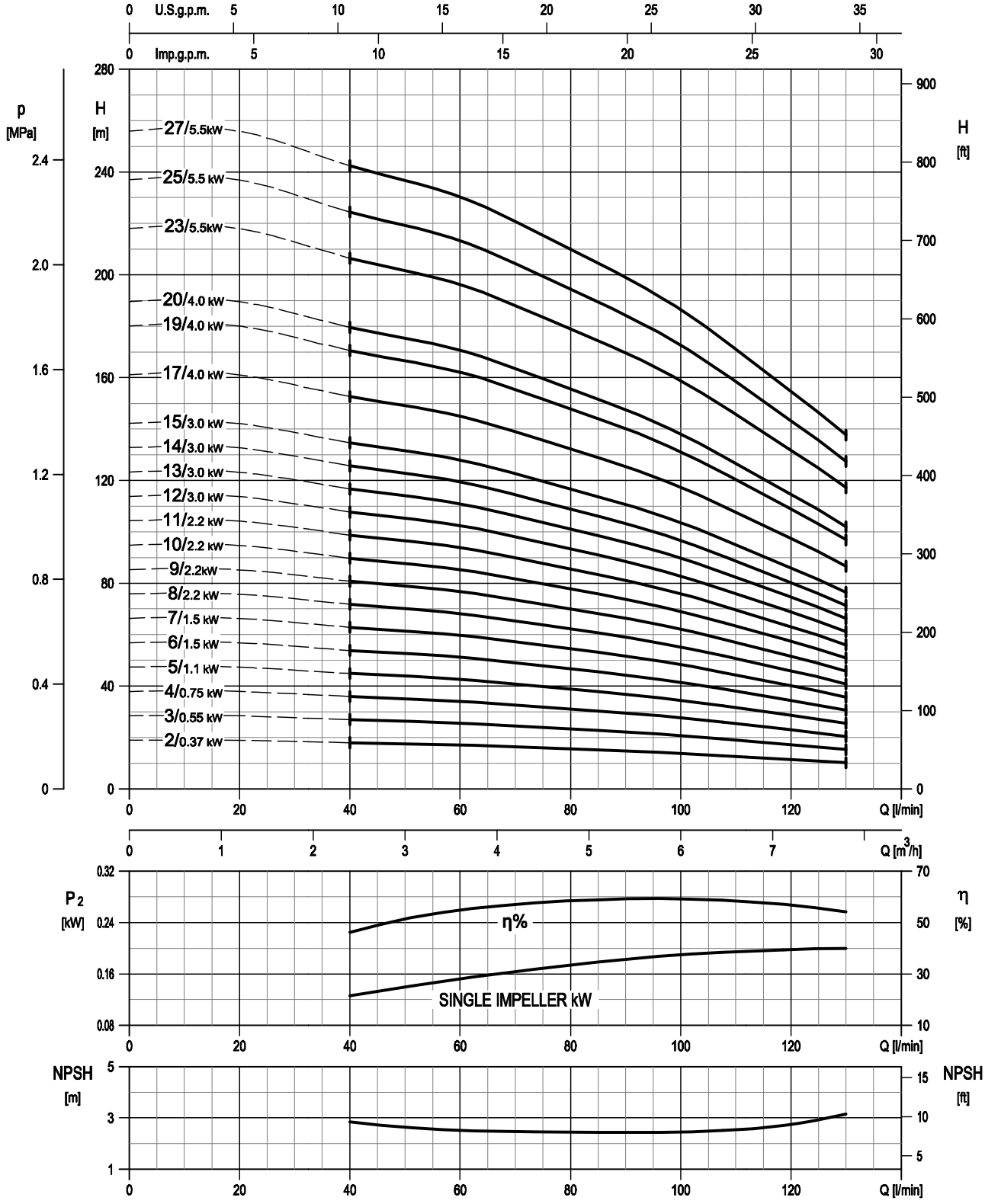
Pump Type	N°																													
	4	5-1	5-2	5-3	5-4	6	7	21	31***	32-1	43-2	43-3	43-4	43-5	44-1	45**	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5
EVMS(L)5 2/0.37	1	1	/	1	1	1	1	2	1	1	/	1	1	/	1	4	2	1	1	1	1	2	2	1	1	1	1	2	2	1	1
EVMS(L)5 3/0.55	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	4	2	1	1	1	1	2	3	1	1	1	1	2	2	1	1
EVMS(L)5 4/0.75	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1
EVMS(L)5 5/1.1	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1
EVMS(L)5 6/1.5	1	1	4	1	1	1	1	6	1	1	9	1	1	1	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1
EVMS(L)5 7/1.5	1	1	5	1	1	1	1	7	1	1	11	1	1	/	1	4	2	1	1	1	1	2	7	1	1	1	1	2	2	1	1
EVMS(L)5 8/2.2	1	1	6	1	1	1	1	8	1	1	13	1	1	/	1	4	2	1	1	1	1	2	8	1	1	1	1	2	2	1	1
EVMS(L)5 9/2.2	1	1	7	1	1	1	1	9	1	1	15	1	1	1	1	4	2	1	1	1	1	2	9	1	1	1	1	2	2	1	1
EVMS(L)5 10/2.2	1	1	8	1	1	1	1	10	1	1	17	1	1	/	1	4	2	1	1	1	1	2	10	1	1	1	1	2	2	1	1
EVMS(L)5 11/2.2	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	4	2	1	1	2	1	2	11	1	1	1	1	2	2	1	1
EVMS(L)5 12/3.0	1	1	9	2	1	1	1	12	1	1	19	2	2	1	2	4	2	1	1	2	1	2	12	1	1	1	1	2	2	1	1
EVMS(L)5 13/3.0	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	4	2	1	1	2	1	2	13	1	1	1	1	2	2	1	1
EVMS(L)5 14/3.0	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	4	2	1	1	2	1	2	14	1	1	1	1	2	2	1	1
EVMS(L)5 15/3.0	1	1	12	2	1	1	1	15	1	1	25	2	2	1	2	4	2	1	1	2	1	2	15	1	1	1	1	2	2	1	1
EVMS(L)5 17/4.0	1	1	14	2	1	1	1	17	1	1	29	2	2	/	2	4	2	1	1	2	1	2	17	1	1	1	1	2	2	1	1
EVMS(L)5 19/4.0	1	1	16	2	1	1	1	19	1	1	33	2	2	/	2	4	2	1	1	2	1	2	19	1	1	1	1	2	/	1	1
EVMS(L)5 20/4.0	1	1	17	2	1	1	1	20	1	1	35	2	2	/	2	4	2	1	1	2	1	2	20	1	1	1	1	2	/	1	1
EVMS(L)5 23/5.5	1	1	20	2	1	1	1	23	1	1	41	2	2	/	2	4	2	1	1	2	1	2	23	1	1	1	1	2	/	1	1
EVMS(L)5 25/5.5	1	1	22	2	1	1	1	25	1	1	45	2	2	/	2	4	2	1	1	2	1	2	25	1	1	1	1	2	/	1	1
EVMS(L)5 27/5.5	1	1	23	3	1	1	1	27	1	1	47	3	2	/	3	4	2	1	1	3	1	2	27	1	1	1	1	2	/	1	1

Pump Type	N°																									
	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)5 2/0.37	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 3/0.55	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 4/0.75	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 5/1.1	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 6/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 7/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 8/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 9/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 10/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 11/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 12/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 13/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 14/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 15/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 17/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)5 19/4.0	4	4	4	/	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)5 20/4.0	4	4	4	/	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)5 23/5.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)5 25/5.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)5 27/5.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)
** only for Loose round flange (LF)
*** ☐ shaft in EN 1.4462 (AISI 329A)
128-3: only for motor up to 5.5 kW (see drawing pag.247)

VERTICAL MULTISTAGE PUMPS EVMS

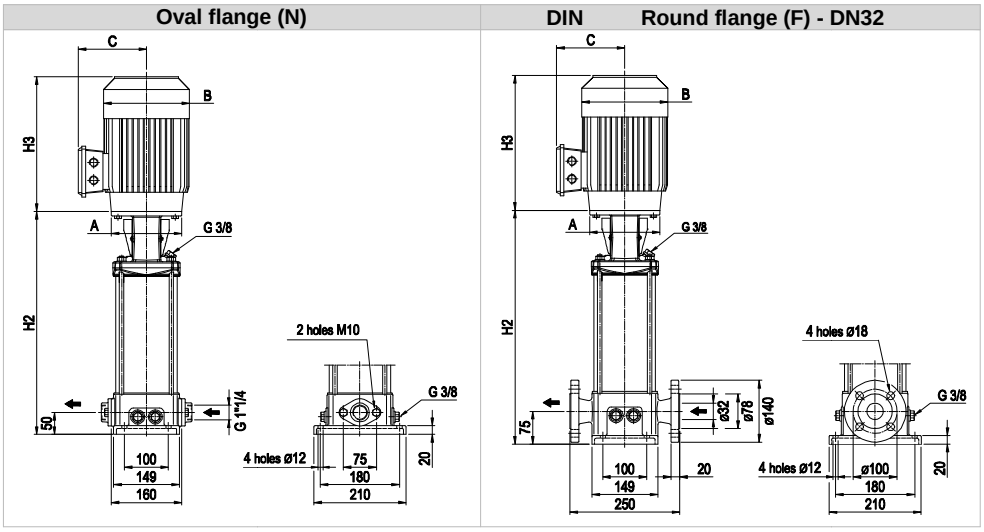
PERFORMANCE CURVE
EVMSG5



Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

TECHNICAL DATA
EVMSG5

Dimensional sketch

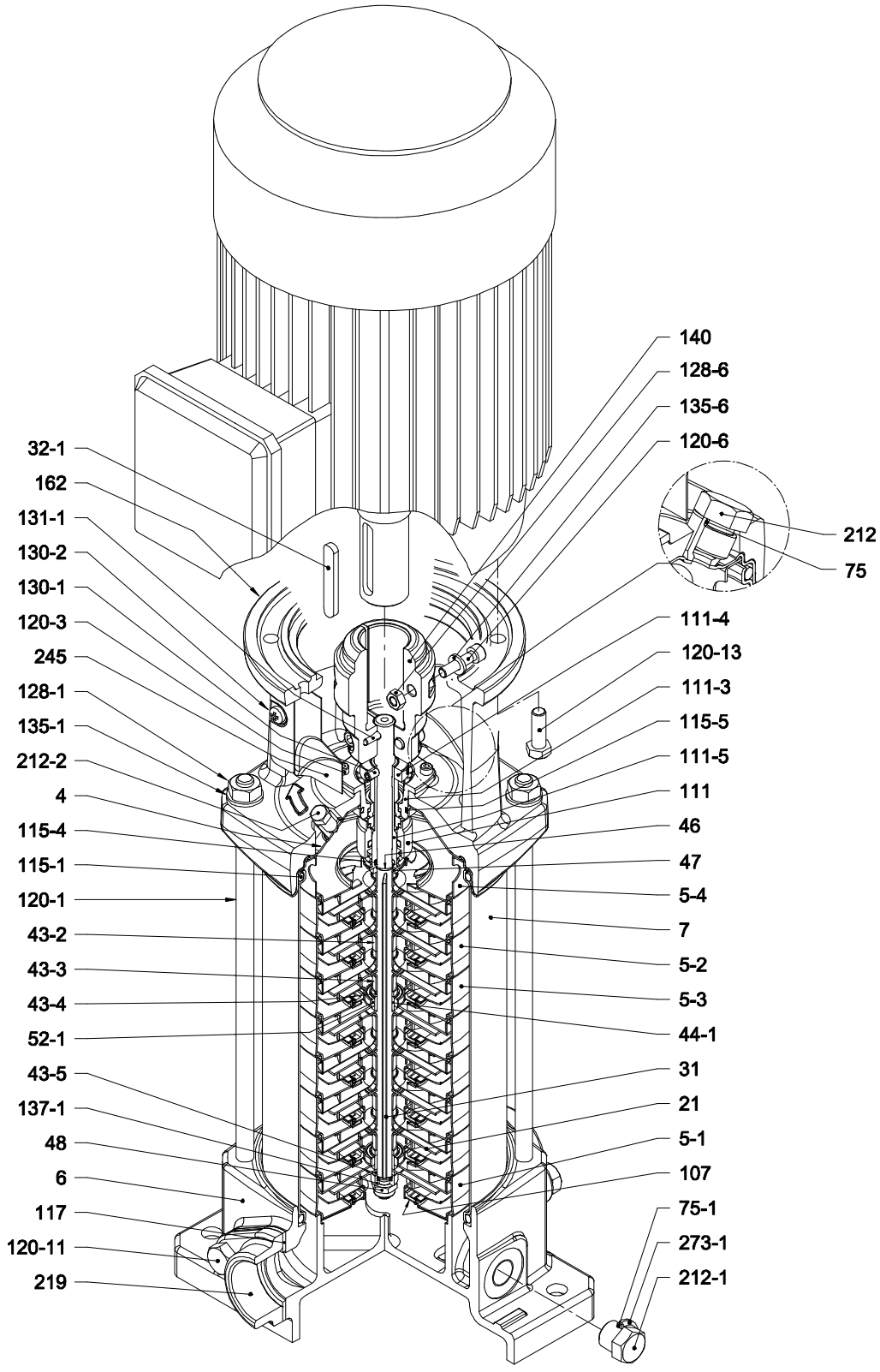


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Round flange (F) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~
EVMSG5 2/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	264	13	20.1	18.8	289	17.5	24.6	23.3
EVMSG5 3/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	292	13.5	22	19.7	317	18	26.5	24.2
EVMSG5 4/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	330	14.5	25.9	24	355	19	30.4	28.5
EVMSG5 5/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	358	15	26.8	26.1	383	19.5	31.3	30.6
EVMSG5 6/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	396	15.5	33.3	28.2	421	20.1	37.9	32.8
EVMSG5 7/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	424	16	33.8	29	449	20.5	38.3	33.2
EVMSG5 8/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	452	16.6	36.1	32.6	477	21.1	40.6	37.1
EVMSG5 9/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	480	17.1	36.6	33.1	505	21.6	41.1	37.6
EVMSG5 10/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	508	17.6	37.1	33.6	533	22.1	41.6	38.1
EVMSG5 11/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	536	18.4	37.9	34.4	561	22.9	42.4	38.9
EVMSG5 12/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	574	19.6	-	42.4	599	24.1	-	46.9
EVMSG5 13/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	602	20.2	-	43	627	24.7	-	47.5
EVMSG5 14/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	630	20.8	-	43.6	655	25.3	-	48.1
EVMSG5 15/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	658	21.8	-	44.6	683	26.3	-	49.1
EVMSG5 17/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	714	22.5	-	49	739	27	-	53.5
EVMSG5 19/4.0	2.5	4.0	112 M	ø160	-	-	-	196	155	306	-	-	-	-	795	28.1	-	54.6
EVMSG5 20/4.0	2.5	4.0	112 M	ø160	-	-	-	196	155	306	-	-	-	-	823	30.3	-	56.8
EVMSG5 23/5.5	2.5	5.5	132 S	ø300	-	-	-	225	160	328	-	-	-	-	1001	37	-	75.6
EVMSG5 25/5.5	2.5	5.5	132 S	ø300	-	-	-	225	160	328	-	-	-	-	1057	38	-	76.6
EVMSG5 27/5.5	2.5	5.5	132 S	ø300	-	-	-	225	160	328	-	-	-	-	1113	39.6	-	78.2

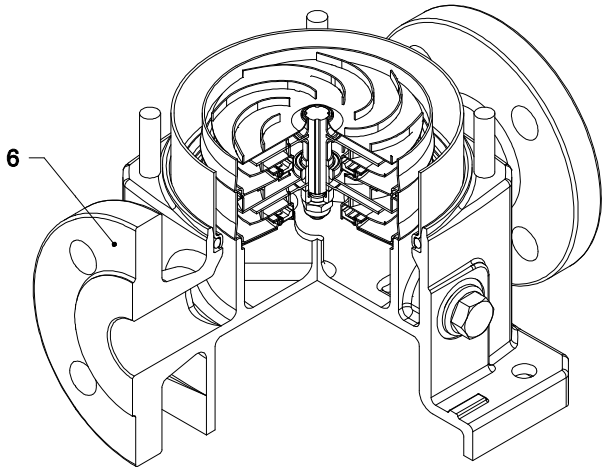
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMSG5



with Oval flange (N)

PIPE CONNECTION
EVMSG5



with Round flange (F)

SECTIONAL TABLE
EVMSG5

N°	PART NAME		MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)		
5-1	Suction casing		EN 1.4301 (AISI 304)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)		
5-4	Discharge casing		EN 1.4301 (AISI 304)		
6	Bottom casing		Cast Iron EN GJL-250-EN1561		
7	Outer casing		EN 1.4301 (AISI 304)		
21	Impeller		EN 1.4301 (AISI 304)		
31	Shaft		EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)		
43-4	Shaft sleeve (adjustment)		EN 1.4404 (AISI 316L)		
43-5	Shaft sleeve (last stage)		EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing		Tungsten carbide		
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)		
47	Ring Holder		EN 1.4301 (AISI 304)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	M8	
52-1	Bearing		Tungsten carbide		
75	O-Ring (plug)		EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM		
107	Liner ring		EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM		
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)		
111-4	Seal holder		EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)		EPDM	D. 129.54x5.34	OR 6510
115-4	O-Ring (cartridge sleeve)		EPDM	D. 11.91x2.62	OR 115
115-5	O-Ring (seal cover)		EPDM	D. 32.99x2.62	OR 3131
117	Flange gasket		EPDM		
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1	M10	
120-3	Screw		A2-70 UNI 7323	M4x10	ISO 4762
120-6	Screw for coupling	up to 4.0 kW	Galvanized steel	M6x25	ISO 4762
		above 5.5 kW		M8x20	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323		
120-13	Screw for motor	MEC 71-80	Galvanized steel 8.8 strength class ISO 898/1	M6x20	ISO 4017
		MEC 90-100-112		M8x20	ISO 4017
		MEC 132		M12x40	ISO 4017
128-1	Nut for tie rod		Galvanized steel	M10	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel	M12	ISO 4032
128-6	Nut for coupling		Galvanized steel	M6	ISO 4032
130-1	Set screw		A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel	D. 4x32	UNI 4838
135-1	Washer		Galvanized steel	D. 10.5x21x2	UNI 6592
135-6	Washer		Carbon Steel	Ø6	
137-1	Impeller spacer		EN 1.4301 (AISI 304)		
140	Coupling	up to 4.0 kW	Die cast aluminium EN AB-AISI11Cu2 (Fe)		
		above 5.5 kW	Cast Iron		
162	Motor bracket		Cast iron EN-GJL-200-EN 1561		
212	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)		
219	Counter flange		Galvanized steel		
245	Coupling guard		EN 1.4301 (AISI 304)		
273-1	Plug Washer		EN 1.4301 (AISI 304)		

QUANTITY FOR MODEL EVMSG5

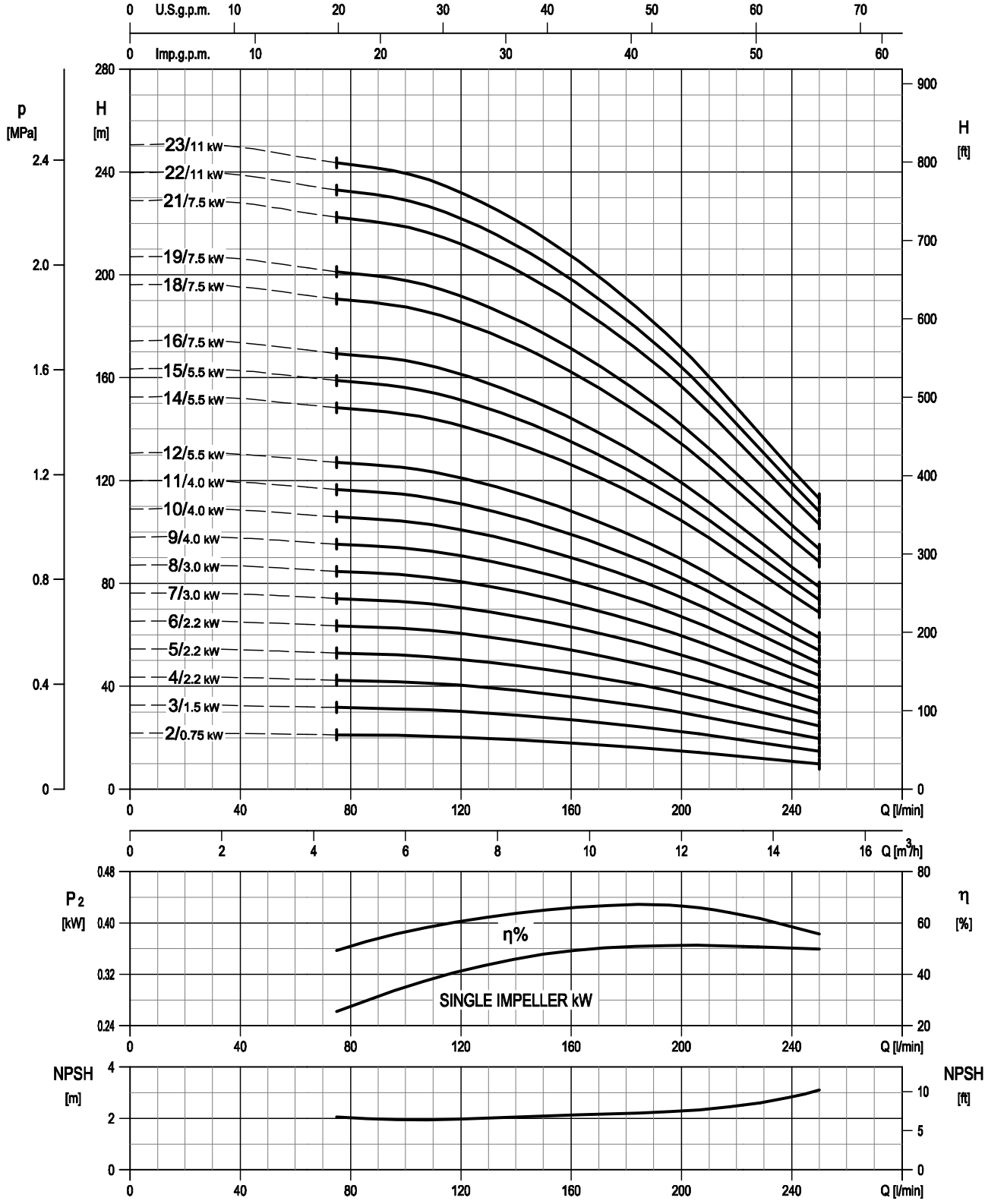
Pump Type	N°																											
	4	5-1	5-2	5-3	5-4	6	7	21	31***	32-1	43-2	43-3	43-4	43-5	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMSG5 2/0.37	1	1	/	1	1	1	1	2	1	1	/	1	1	/	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG5 3/0.55	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG5 4/0.75	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG5 5/1.1	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG5 6/1.5	1	1	4	1	1	1	1	6	1	1	9	1	1	1	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG5 7/1.5	1	1	5	1	1	1	1	7	1	1	11	1	1	/	1	2	1	1	1	1	4	7	1	1	1	1	2	1	1
EVMSG5 8/2.2	1	1	6	1	1	1	1	8	1	1	13	1	1	/	1	2	1	1	1	1	4	8	1	1	1	1	2	1	1
EVMSG5 9/2.2	1	1	7	1	1	1	1	9	1	1	15	1	1	1	1	2	1	1	1	1	4	9	1	1	1	1	2	1	1
EVMSG5 10/2.2	1	1	8	1	1	1	1	10	1	1	17	1	1	/	1	2	1	1	1	1	4	10	1	1	1	1	2	1	1
EVMSG5 11/2.2	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	2	1	1	2	1	4	11	1	1	1	1	2	1	1
EVMSG5 12/3.0	1	1	9	2	1	1	1	12	1	1	19	2	2	1	2	2	1	1	2	1	4	12	1	1	1	1	2	1	1
EVMSG5 13/3.0	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	2	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG5 14/3.0	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG5 15/3.0	1	1	12	2	1	1	1	15	1	1	25	2	2	1	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG5 17/4.0	1	1	14	2	1	1	1	17	1	1	29	2	2	/	2	2	1	1	2	1	4	17	1	1	1	1	2	1	1
EVMSG5 19/4.0	1	1	16	2	1	1	1	19	1	1	33	2	2	/	2	2	1	1	2	1	4	19	1	1	1	1	2	1	1
EVMSG5 20/4.0	1	1	17	2	1	1	1	20	1	1	35	2	2	/	2	2	1	1	2	1	4	20	1	1	1	1	2	1	1
EVMSG5 23/5.5	1	1	20	2	1	1	1	23	1	1	41	2	2	/	2	2	1	1	2	1	4	23	1	1	1	1	2	1	1
EVMSG5 25/5.5	1	1	22	2	1	1	1	25	1	1	45	2	2	/	2	2	1	1	2	1	4	25	1	1	1	1	2	1	1
EVMSG5 27/5.5	1	1	23	3	1	1	1	27	1	1	47	3	2	/	3	2	1	1	3	1	4	27	1	1	1	1	2	1	1

Pump Type	N°																							
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG5 2/0.37	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 3/0.55	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 4/0.75	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 5/1.1	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 6/1.5	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 7/1.5	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 8/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 9/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 10/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 11/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 12/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 13/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 14/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 15/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 17/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 19/4.0	/	4	4	4	/	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG5 20/4.0	/	4	4	4	/	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG5 23/5.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG5 25/5.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG5 27/5.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4

* only for Oval flange (N)
*** ☐ shaft in EN 1.4462 (AISI 329A)
128-3: only for motor up to 5.5 kW (see drawing pag.247)

VERTICAL MULTISTAGE PUMPS EVMS

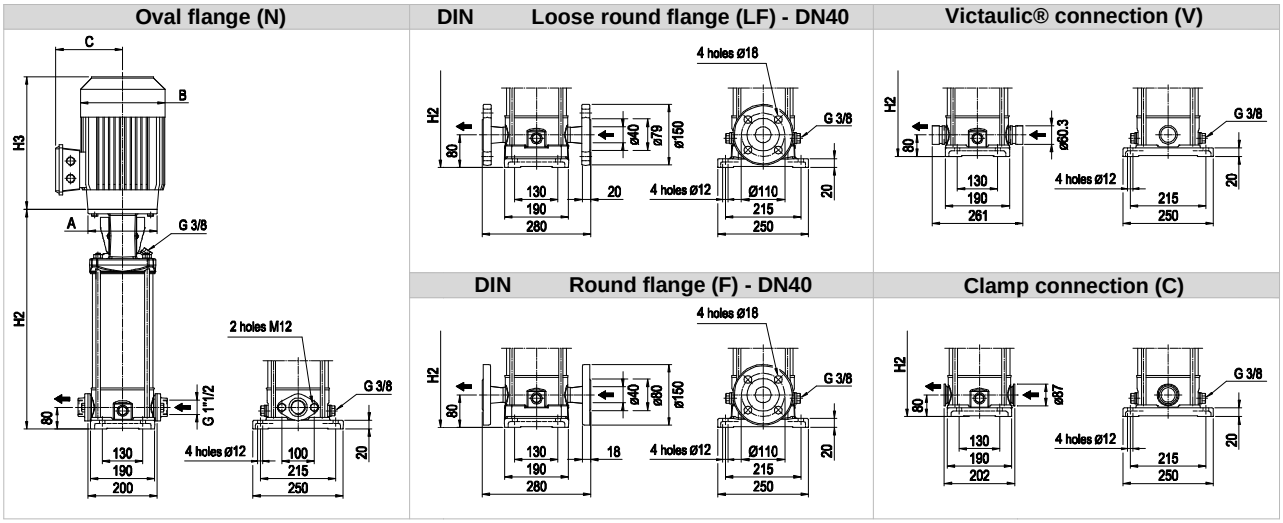
PERFORMANCE CURVE
EVMS(L)10



Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

TECHNICAL DATA
EVMS(L)10

Dimensional sketch

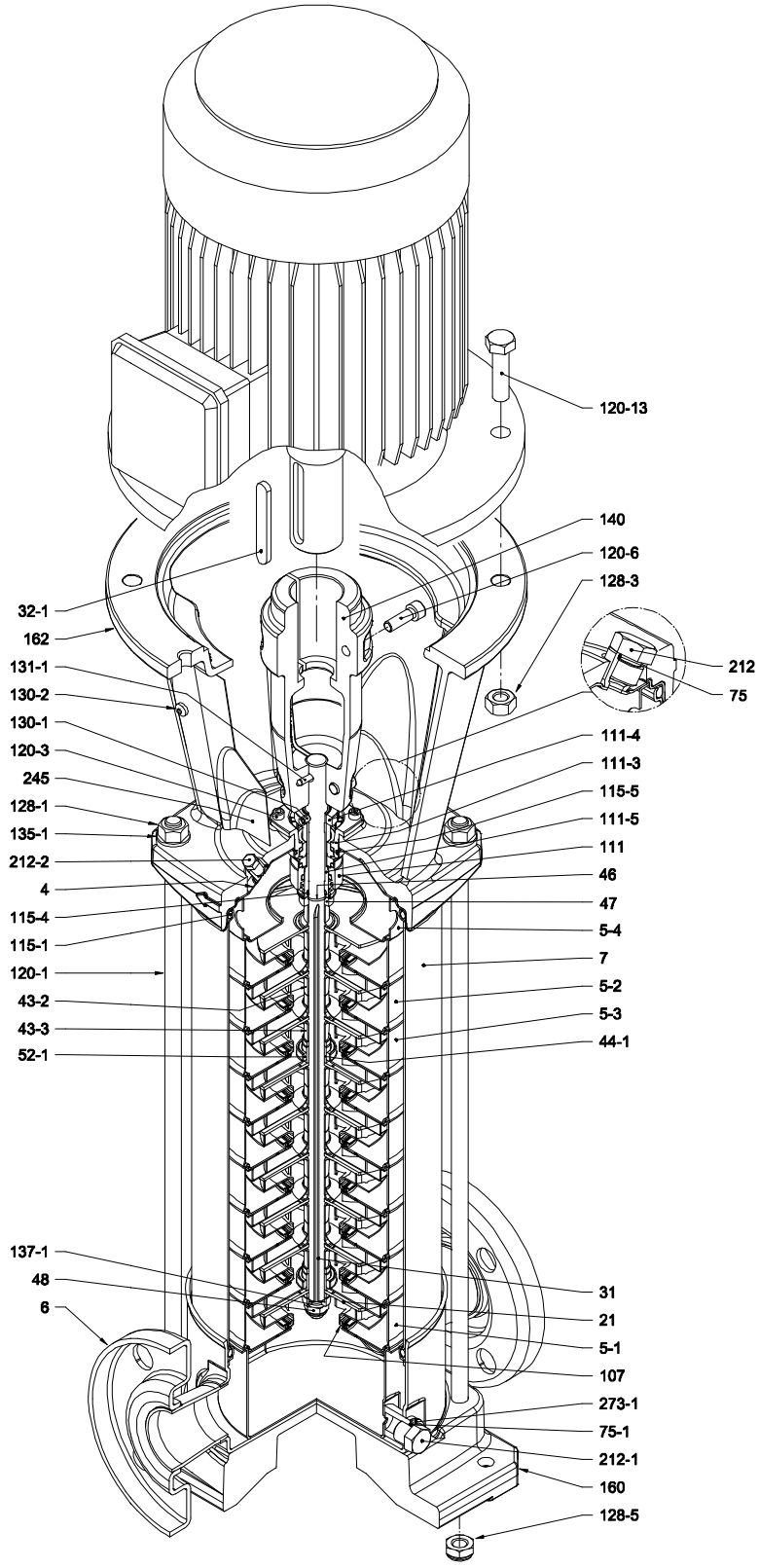


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Oval flange (N) Weight Pump	Oval flange (N) Weight Pump + Motor 1 ~	Oval flange (N) Weight Pump + Motor 3 ~	Loose round flange (LF) Round flange (F) H2	Loose round flange (LF) Round flange (F) Weight Pump	Loose round flange (LF) Round flange (F) Weight Pump + Motor 1 ~	Loose round flange (LF) Round flange (F) Weight Pump + Motor 3 ~	Victaulic® connection (V) Clamp connection (C) H2	Victaulic® connection (V) Clamp connection (C) Weight Pump	Victaulic® connection (V) Clamp connection (C) Weight Pump + Motor 1 ~	Victaulic® connection (V) Clamp connection (C) Weight Pump + Motor 3 ~
EVMS(L)10 2/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	343	17.6	29	27.1	343	17.5	28.9	27	343	16.5	27.9	26
EVMS(L)10 3/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	383	18.5	36.3	31.2	383	18.5	36.3	31.2	383	17.4	35.2	30.1
EVMS(L)10 4/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	413	19.3	38.8	35.3	413	19.3	38.8	35.3	413	18.2	38	34.2
EVMS(L)10 5/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	443	20.2	39.7	36.2	443	20.1	39.6	36.1	443	19.1	38.6	35.1
EVMS(L)10 6/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	473	21	40.5	37	473	21	40.5	37	473	19.9	39.4	35.9
EVMS(L)10 7/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	513	22	-	44.8	513	21.9	-	44.7	513	20.9	-	43.7
EVMS(L)10 8/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	543	22.8	-	45.6	543	22.8	-	45.6	543	21.7	-	44.5
EVMS(L)10 9/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	573	23.7	-	50.2	573	23.6	-	50.1	573	22.6	-	49.1
EVMS(L)10 10/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	603	24.5	-	51	603	24.5	-	51	603	23.4	-	49.9
EVMS(L)10 11/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	633	26.1	-	52.6	633	26.1	-	52.6	633	25	-	51.5
EVMS(L)10 12/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	761	35.9	-	74.5	761	35.9	-	74.5	761	34.8	-	73.4
EVMS(L)10 14/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	821	37.8	-	76.4	821	37.7	-	76.3	821	36.7	-	75.3
EVMS(L)10 15/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	851	38.7	-	77.3	851	38.6	-	77.2	851	37.6	-	76.2
EVMS(L)10 16/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	-	-	-	-	881	39.6	-	80	881	38.5	-	78.9
EVMS(L)10 18/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	-	-	-	-	941	41.4	-	81.8	941	40.3	-	80.7
EVMS(L)10 19/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	-	-	-	-	971	42.3	-	82.7	971	41.2	-	81.6
EVMS(L)10 21/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	-	-	-	-	1031	44.1	-	84.5	1031	43.1	-	83.5
EVMS(L)10 22/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	1091	46.4	-	108.9	1091	45.4	-	107.9
EVMS(L)10 23/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	1121	53.1	-	115.6	1121	52.1	-	114.6

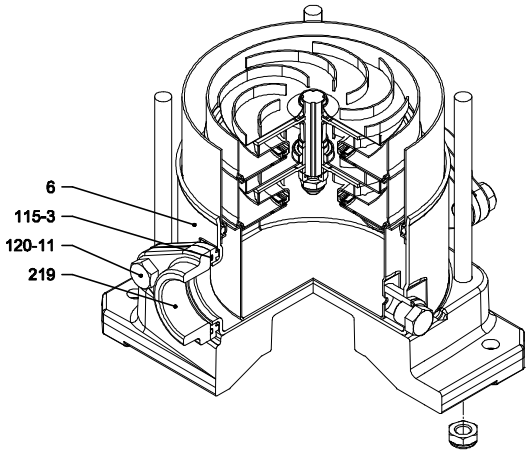
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMS(L)10

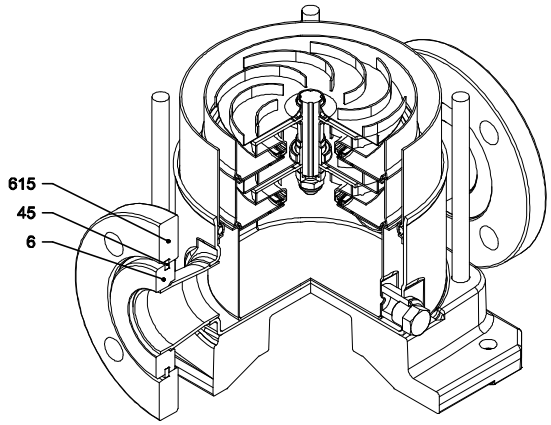


with Round flange (F)

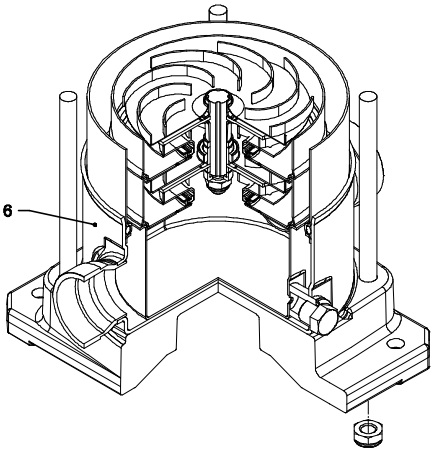
PIPE CONNECTION
EVMS(L)10



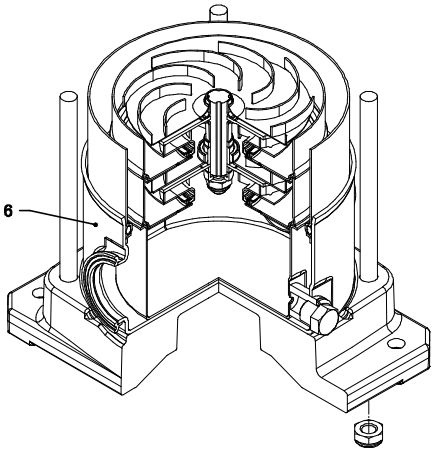
with Oval flange (N)



with Loose round flange (LF)



with Victaulic® connection (V)



with Clamp connection (C)

SECTIONAL TABLE
EVMS(L)10

N°	PART NAME		MATERIAL EVMS	MATERIAL EVMSL	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-1	Suction casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-4	Discharge casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
6	Bottom casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
7	Outer casing		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
31	Shaft		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
44-1	Shaft sleeve bearing		Tungsten carbide			
45	Flange holder		EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)			
47	Ring Holder		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	A4-70 UNI 7323 with inox insert	M10	
52-1	Bearing		Tungsten carbide			
75	O-Ring (plug)		EPDM		D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM			
107	Liner ring		EN 1.4301 (AISI 304) + PPS	EN 1.4401 (AISI 316) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM			
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
111-4	Seal holder		EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
115-1	O-Ring (outer casing)		EPDM		D. 164,46x5,34	OR 6645
115-3	O-Ring		EPDM			
115-4	O-Ring (cartridge sleeve)		EPDM		D. 15.88x2.62	OR 121
115-5	O-Ring (seal cover)		EPDM		D. 37.77x2.62	OR 3150
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1		M12	
120-3	Screw		A2-70 UNI 7323		M5x12	ISO 4762
120-6	Screw for coupling	up to 4.0 kW	Galvanized steel		M6x25	ISO 4762
		from 5.5 kW to 7.5 kW			M8x20	ISO 4762
		above 11 kW			M10x30	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323			
120-13	Screw for motor	MEC 80	Galvanized steel 8.8 strength class ISO 898/1		M6x20	ISO 4017
		MEC 90-100-112			M8x20	ISO 4017
		MEC 132			M12x40	UNI 5739
		MEC 160			M16x50	ISO 4017
128-1	Nut for tie rod		Galvanized steel		M12	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel		M12	UNI 5588
		MEC 160			M16	ISO 4032
128-5	Nut for tie rod		Galvanized steel		M12	UNI 7474
130-1	Set screw		A2-70 UNI 7323		M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323		M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel		D. 5x35	UNI 4838
135-1	Washer		Galvanized steel		D. 13x24x2,5	UNI 6592
137-1	Impeller spacer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
		above 5.5 kW	Cast Iron			
160	Base		Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
162	Motor bracket		Cast iron EN-GJL-200-EN 1561			
212	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)			
219	Counter flange		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
245	Coupling guard		EN 1.4301 (AISI 304)			
273-1	Plug Washer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
615	Flange		Nodular Cast Iron			

QUANTITY FOR MODEL EVMS(L)10

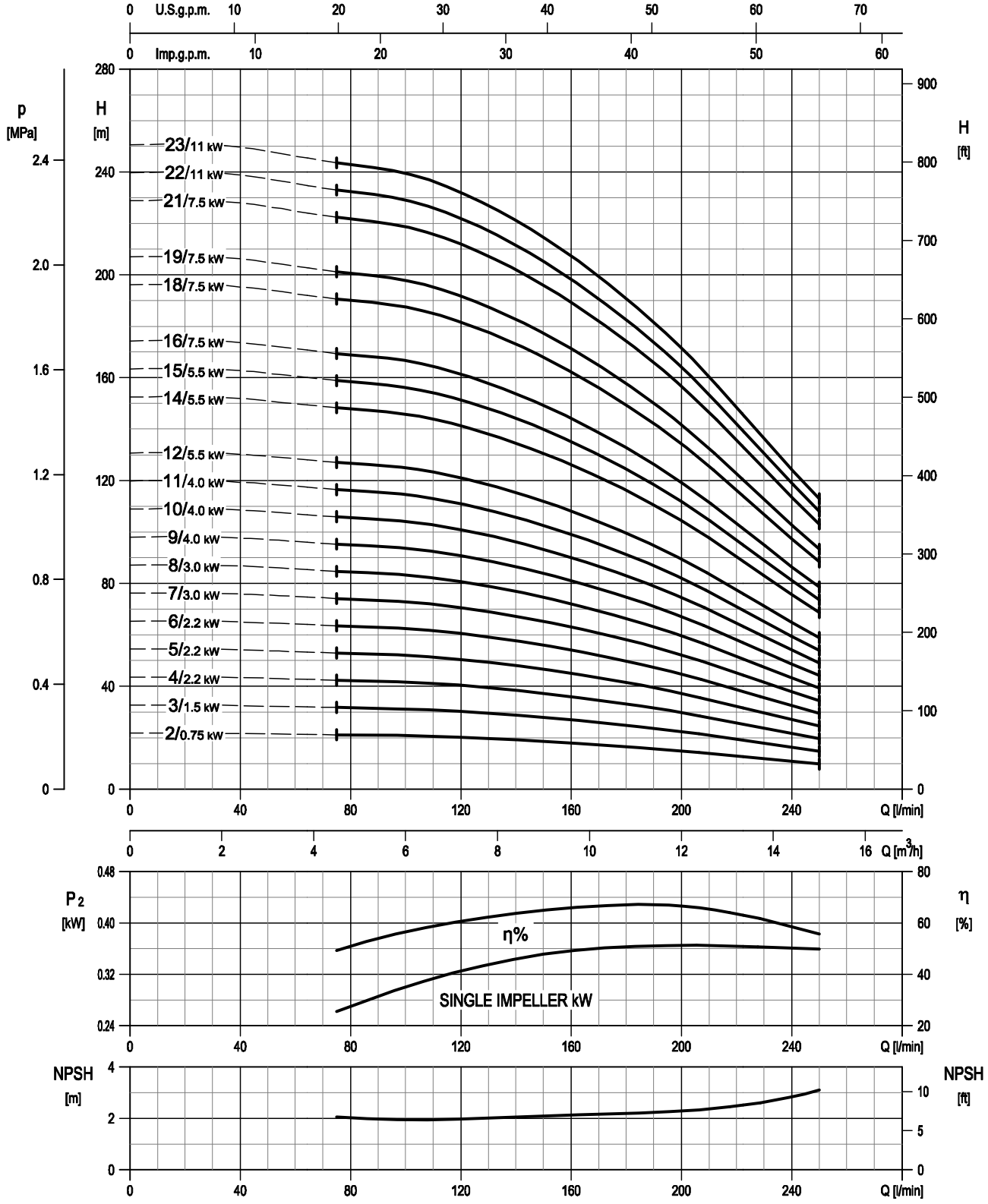
Pump Type	N°																												
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	44-1	45**	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5
EVMS(L)10 2/0.75	1	1	/	1	1	1	1	2	1	1	/	1	1	4	2	1	1	1	1	2	2	1	1	1	1	2	2	1	1
EVMS(L)10 3/1.5	1	1	1	1	1	1	1	3	1	1	3	1	1	4	2	1	1	1	1	2	3	1	1	1	1	2	2	1	1
EVMS(L)10 4/2.2	1	1	2	1	1	1	1	4	1	1	5	1	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1
EVMS(L)10 5/2.2	1	1	3	1	1	1	1	5	1	1	7	1	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1
EVMS(L)10 6/2.2	1	1	4	1	1	1	1	6	1	1	9	1	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1
EVMS(L)10 7/3.0	1	1	5	1	1	1	1	7	1	1	11	1	1	4	2	1	1	1	1	2	7	1	1	1	1	2	2	1	1
EVMS(L)10 8/3.0	1	1	6	1	1	1	1	8	1	1	13	1	1	4	2	1	1	1	1	2	8	1	1	1	1	2	2	1	1
EVMS(L)10 9/4.0	1	1	7	1	1	1	1	9	1	1	15	1	1	4	2	1	1	1	1	2	9	1	1	1	1	2	2	1	1
EVMS(L)10 10/4.0	1	1	8	1	1	1	1	10	1	1	17	1	1	4	2	1	1	1	1	2	10	1	1	1	1	2	2	1	1
EVMS(L)10 11/4.0	1	1	9	1	1	1	1	11	1	1	19	1	1	4	2	1	1	1	1	2	11	1	1	1	1	2	2	1	1
EVMS(L)10 12/5.5	1	1	9	2	1	1	1	12	1	1	19	2	2	4	2	1	1	2	1	2	12	1	1	1	1	2	2	1	1
EVMS(L)10 14/5.5	1	1	11	2	1	1	1	14	1	1	23	2	2	4	2	1	1	2	1	2	14	1	1	1	1	2	2	1	1
EVMS(L)10 15/5.5	1	1	12	2	1	1	1	15	1	1	25	2	2	4	2	1	1	2	1	2	15	1	1	1	1	2	2	1	1
EVMS(L)10 16/7.5	1	1	13	2	1	1	1	16	1	1	27	2	2	4	2	1	1	2	1	2	16	1	1	1	1	2	/	1	1
EVMS(L)10 18/7.5	1	1	15	2	1	1	1	18	1	1	31	2	2	4	2	1	1	2	1	2	18	1	1	1	1	2	/	1	1
EVMS(L)10 19/7.5	1	1	16	2	1	1	1	19	1	1	33	2	2	4	2	1	1	2	1	2	19	1	1	1	1	2	/	1	1
EVMS(L)10 21/7.5	1	1	18	2	1	1	1	21	1	1	37	2	2	4	2	1	1	2	1	2	21	1	1	1	1	2	/	1	1
EVMS(L)10 22/11	1	1	19	2	1	1	1	22	1	1	39	2	2	4	2	1	1	2	1	2	22	1	1	1	1	2	/	1	1
EVMS(L)10 23/11	1	1	19	3	1	1	1	23	1	1	39	3	3	4	2	1	1	3	1	2	23	1	1	1	1	2	/	1	1

Pump Type	N°																												
	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)10 2/0.75	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 3/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 4/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 5/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 6/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 7/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 8/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 9/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 10/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 11/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 12/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 14/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 15/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 16/7.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)10 18/7.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)10 19/7.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)10 21/7.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)10 22/11	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)10 23/11	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)
** only for Loose round flange (LF)
128-6 / 135-6 : with Aluminium coupling (see drawing pag.211)

VERTICAL MULTISTAGE PUMPS EVMS

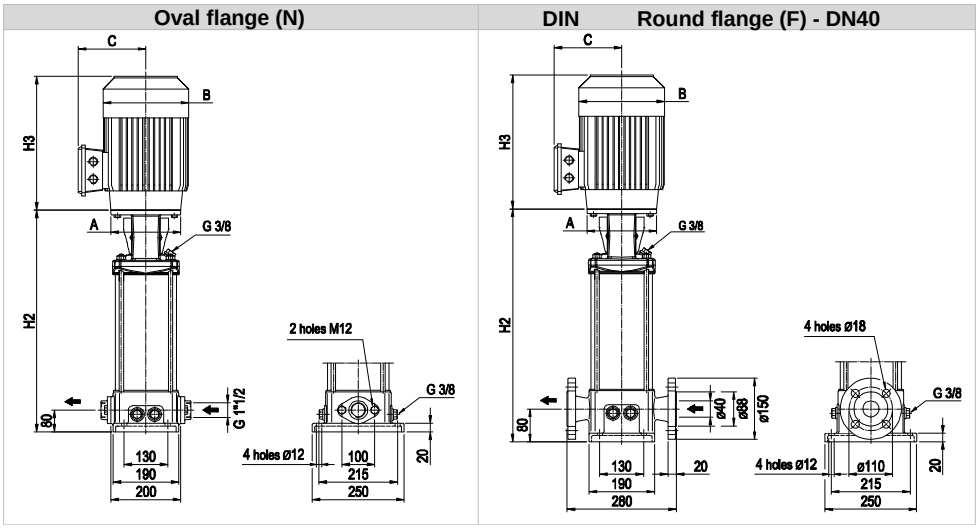
PERFORMANCE CURVE
EVMSG10



Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

TECHNICAL DATA
EVMSG10

Dimensional sketch

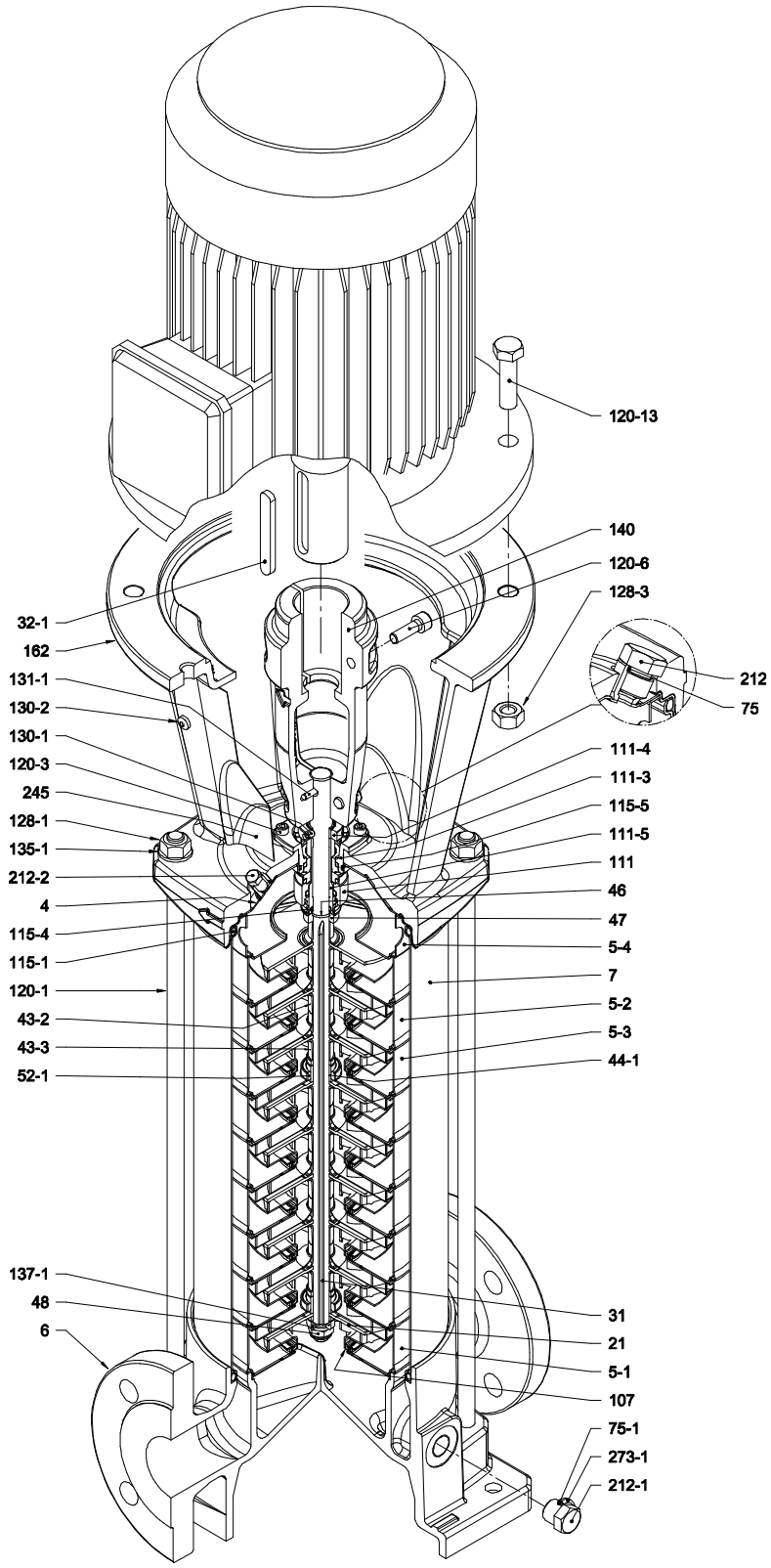


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Round flange (F) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~
EVMSG10 2/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	343	21.6	33	31.1	343	24.3	35.7	33.8
EVMSG10 3/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	383	22.5	40.3	35.2	383	25.3	43.1	38
EVMSG10 4/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	413	23.3	42.8	39.3	413	26	45.5	42
EVMSG10 5/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	443	24.2	43.7	40.2	443	26.9	46.4	42.9
EVMSG10 6/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	473	25	44.5	41	473	27.7	47.2	43.7
EVMSG10 7/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	513	26	-	48.8	513	28.7	-	51.5
EVMSG10 8/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	543	26.8	-	49.6	543	29.5	-	52.3
EVMSG10 9/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	573	27.7	-	54.2	573	30.4	-	56.9
EVMSG10 10/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	603	28.5	-	55	603	31.2	-	57.7
EVMSG10 11/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	633	30.1	-	56.6	633	32.9	-	59.4
EVMSG10 12/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	761	39.9	-	78.5	761	42.7	-	81.3
EVMSG10 14/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	821	41.8	-	80.4	821	44.5	-	83.1
EVMSG10 15/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	851	42.7	-	81.3	851	45.4	-	84
EVMSG10 16/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	-	-	-	-	881	46.3	-	86.7
EVMSG10 18/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	-	-	-	-	941	47.7	-	88.1
EVMSG10 19/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	-	-	-	-	971	49.1	-	89.5
EVMSG10 21/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	-	-	-	-	1031	50.9	-	91.3
EVMSG10 22/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	1091	53.2	-	115.7
EVMSG10 23/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	1121	59.9	-	122.4

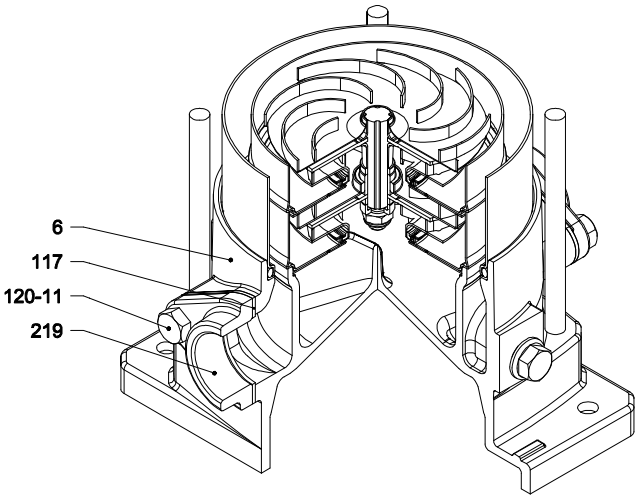
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMSG10



with Round flange (F)

PIPE CONNECTION
EVMSG10



with Oval flange (N)

SECTIONAL TABLE
EVMSG10

N°	PART NAME		MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)		
5-1	Suction casing		EN 1.4301 (AISI 304)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)		
5-4	Discharge casing		EN 1.4301 (AISI 304)		
6	Bottom casing		Cast Iron EN GJL-250-EN1561		
7	Outer casing		EN 1.4301 (AISI 304)		
21	Impeller		EN 1.4301 (AISI 304)		
31	Shaft		EN 1.4301 (AISI 304)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing		Tungsten carbide		
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)		
47	Ring Holder		EN 1.4301 (AISI 304)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	M10	
52-1	Bearing		Tungsten carbide		
75	O-Ring (plug)		EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM		
107	Liner ring		EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM		
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)		
111-4	Seal holder		EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)		EPDM	D. 164,46x5,34	OR 6645
115-4	O-Ring (cartridge sleeve)		EPDM	D. 15.88x2.62	OR 121
115-5	O-Ring (seal cover)		EPDM	D. 37.77x2.62	OR 3150
117	Flange gasket		EPDM		
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1	M12	
120-3	Screw		A2-70 UNI 7323	M5x12	ISO 4762
120-6	Screw for coupling	up to 4.0 kW	Galvanized steel	M6x25	ISO 4762
		from 5.5 kW to 7.5 kW		M8x20	ISO 4762
		above 11 kW		M10x30	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323		
120-13	Screw for motor	MEC 80	Galvanized steel 8.8 strength class ISO 898/1	M6x20	ISO 4017
		MEC 90-100-112		M8x20	ISO 4017
		MEC 132		M12x40	UNI 5739
		MEC 160		M16x50	ISO 4017
128-1	Nut for tie rod		Galvanized steel	M12	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel	M12	UNI 5588
		MEC 160		M16	ISO 4032
130-1	Set screw		A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel	D. 5x35	UNI 4838
135-1	Washer		Galvanized steel	D. 13x24x2,5	UNI 6592
137-1	Impeller spacer		EN 1.4301 (AISI 304)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
		above 5.5 kW	Cast Iron		
162	Motor bracket		Cast iron EN-GJL-200-EN 1561		
212	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)		
219	Counter flange		Galvanized steel		
245	Coupling guard		EN 1.4301 (AISI 304)		
273-1	Plug Washer		EN 1.4301 (AISI 304)		

QUANTITY FOR MODEL EVMSG10

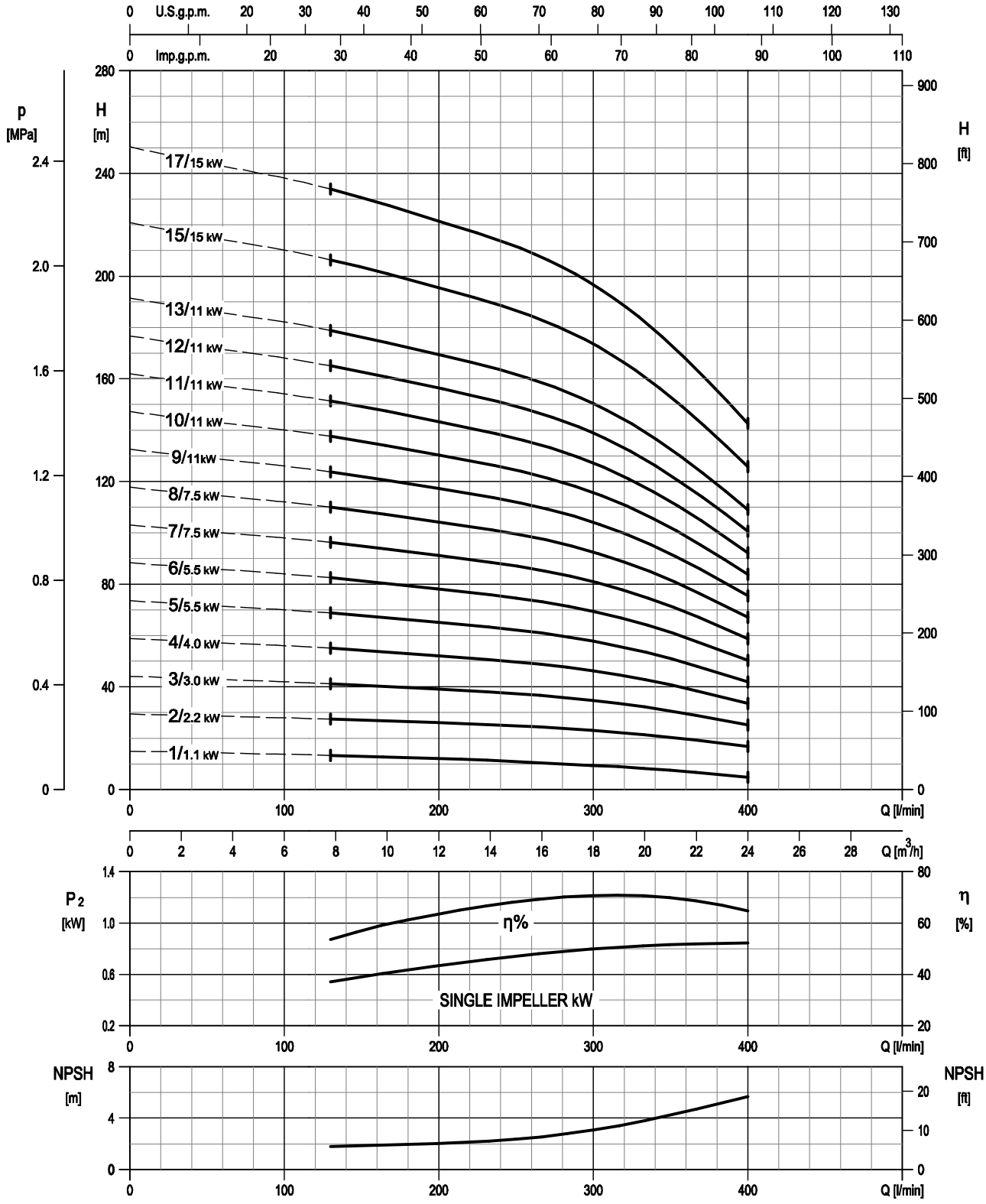
Pump Type	N°																										
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMSG10 2/0.75	1	1	/	1	1	1	1	2	1	1	/	1	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG10 3/1.5	1	1	1	1	1	1	1	3	1	1	3	1	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG10 4/2.2	1	1	2	1	1	1	1	4	1	1	5	1	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG10 5/2.2	1	1	3	1	1	1	1	5	1	1	7	1	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG10 6/2.2	1	1	4	1	1	1	1	6	1	1	9	1	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG10 7/3.0	1	1	5	1	1	1	1	7	1	1	11	1	1	2	1	1	1	1	4	7	1	1	1	1	2	1	1
EVMSG10 8/3.0	1	1	6	1	1	1	1	8	1	1	13	1	1	2	1	1	1	1	4	8	1	1	1	1	2	1	1
EVMSG10 9/4.0	1	1	7	1	1	1	1	9	1	1	15	1	1	2	1	1	1	1	4	9	1	1	1	1	2	1	1
EVMSG10 10/4.0	1	1	8	1	1	1	1	10	1	1	17	1	1	2	1	1	1	1	4	10	1	1	1	1	2	1	1
EVMSG10 11/4.0	1	1	9	1	1	1	1	11	1	1	19	1	1	2	1	1	1	1	4	11	1	1	1	1	2	1	1
EVMSG10 12/5.5	1	1	9	2	1	1	1	12	1	1	19	2	2	2	1	1	2	1	4	12	1	1	1	1	2	1	1
EVMSG10 14/5.5	1	1	11	2	1	1	1	14	1	1	23	2	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG10 15/5.5	1	1	12	2	1	1	1	15	1	1	25	2	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG10 16/7.5	1	1	13	2	1	1	1	16	1	1	27	2	2	2	1	1	2	1	4	16	1	1	1	1	2	1	1
EVMSG10 18/7.5	1	1	15	2	1	1	1	18	1	1	31	2	2	2	1	1	2	1	4	18	1	1	1	1	2	1	1
EVMSG10 19/7.5	1	1	16	2	1	1	1	19	1	1	33	2	2	2	1	1	2	1	4	19	1	1	1	1	2	1	1
EVMSG10 21/7.5	1	1	18	2	1	1	1	21	1	1	37	2	2	2	1	1	2	1	4	21	1	1	1	1	2	1	1
EVMSG10 22/11	1	1	19	2	1	1	1	22	1	1	39	2	2	2	1	1	2	1	4	22	1	1	1	1	2	1	1
EVMSG10 23/11	1	1	19	3	1	1	1	23	1	1	39	3	3	2	1	1	3	1	4	23	1	1	1	1	2	1	1

Pump Type	N°																								
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG10 2/0.75	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 3/1.5	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 4/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 5/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 6/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 7/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 8/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 9/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 10/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 11/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 12/5.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG10 14/5.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG10 15/5.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG10 16/7.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG10 18/7.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG10 19/7.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG10 21/7.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG10 22/11	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG10 23/11	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4

* only for Oval flange (N)
128-6 / 135-6 : with Aluminium coupling (see drawing pag.211)

VERTICAL MULTISTAGE PUMPS EVMS

PERFORMANCE CURVE
EVMS(L)15

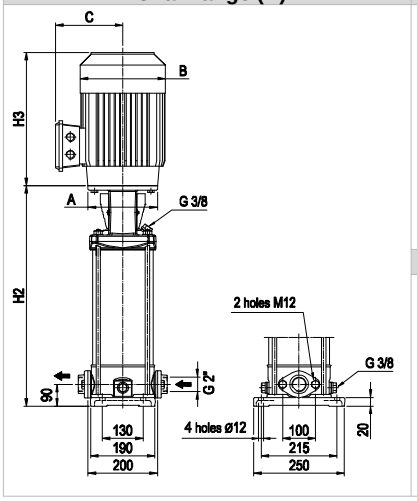


Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

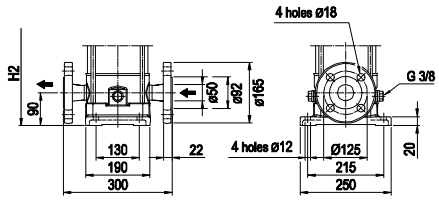
TECHNICAL DATA
EVMS(L)15

Dimensional sketch

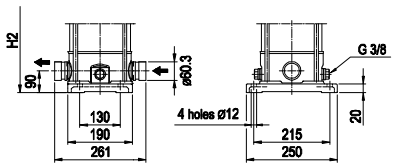
Oval flange (N)



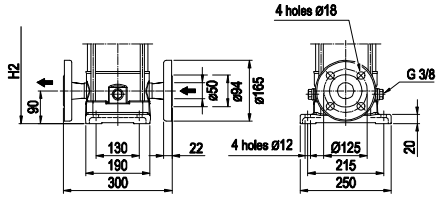
DIN Loose round flange (LF) - DN50



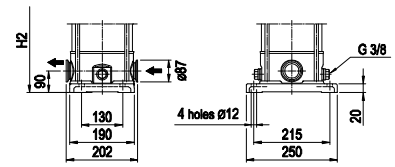
Victaulic® connection (V)



DIN Round flange (F) - DN50



Clamp connection (C)

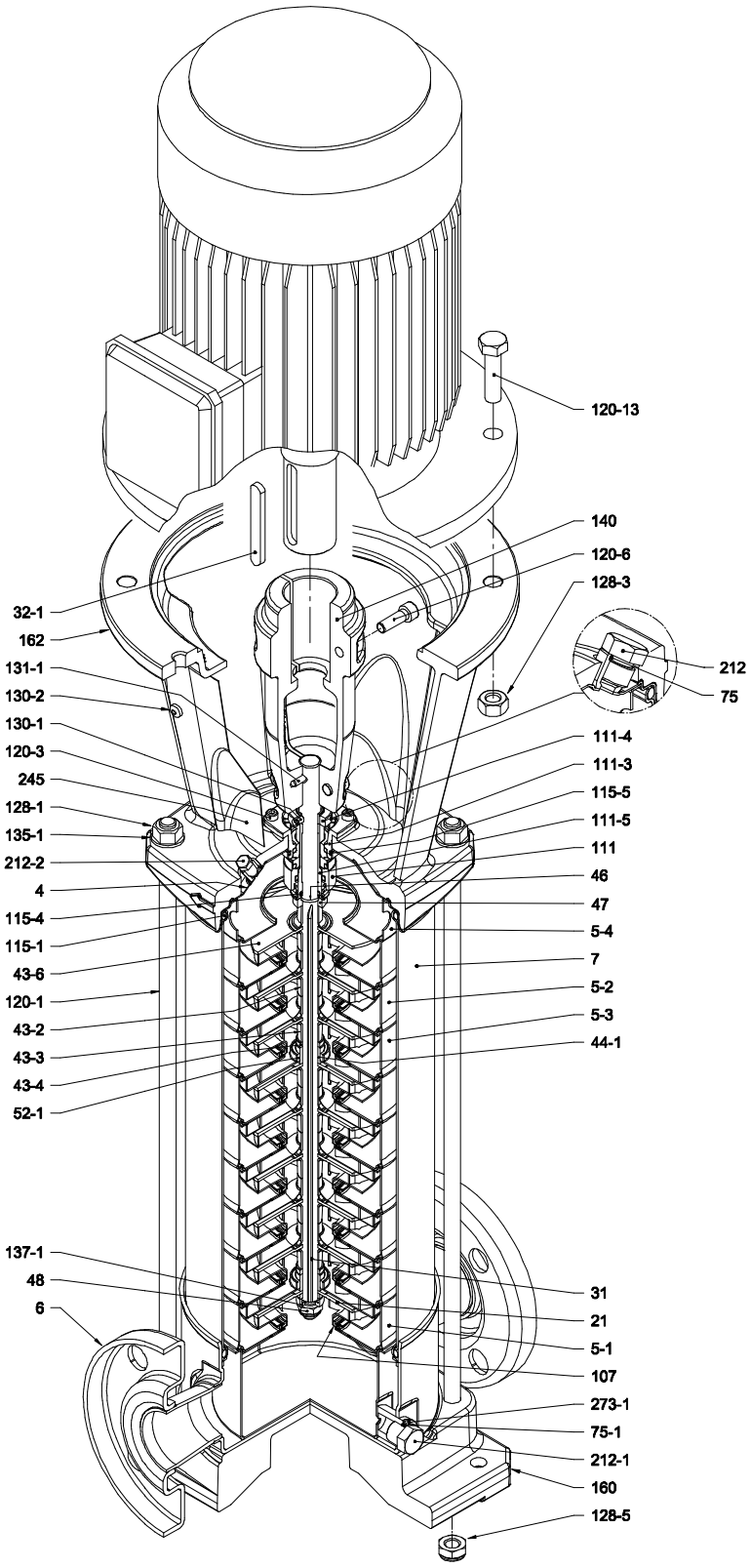


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Motor Size	Motor A	Motor 1~ B	Motor 1~ C	Motor 1~ H3	Motor 3~ B	Motor 3~ C	Motor 3~ H3	Oval flange (N) H2	Oval flange (N) Weight Pump	Oval flange (N) Weight Pump + Motor 1~	Oval flange (N) Weight Pump + Motor 3~	Loose round flange (LF) Round flange (F) H2	Loose round flange (LF) Round flange (F) Weight Pump	Loose round flange (LF) Round flange (F) Weight Pump + Motor 1~	Loose round flange (LF) Round flange (F) Weight Pump + Motor 3~	Victaulic® connection (V) Clamp connection (C) H2	Victaulic® connection (V) Clamp connection (C) Weight Pump	Victaulic® connection (V) Clamp connection (C) Weight Pump + Motor 1~	Victaulic® connection (V) Clamp connection (C) Weight Pump + Motor 3~
EVMS(L)15 1/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	377	18	29.8	29.1	377	18.8	30.6	29.9	377	16.9	28.7	28
EVMS(L)15 2/2.2	1.6	2.2	90L	ø140	172	140	278	180	148	267	387	18.3	37.8	34.3	387	19.1	38.6	35.1	387	17.2	36.7	33.2
EVMS(L)15 3/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	437	19.6	-	42.4	437	20.4	-	43.2	437	18.5	-	41.3
EVMS(L)15 4/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	477	20.8	-	47.3	477	21.6	-	48.1	477	19.7	-	46.2
EVMS(L)15 5/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	614	30.5	-	69.1	614	31.3	-	69.9	614	29.4	-	68
EVMS(L)15 6/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	654	31.7	-	70.3	654	32.5	-	71.1	654	30.6	-	69.2
EVMS(L)15 7/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	694	33.9	-	74.3	694	34.7	-	75.1	694	32.8	-	73.2
EVMS(L)15 8/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	734	35.2	-	75.6	734	36	-	76.4	734	34.1	-	74.5
EVMS(L)15 9/11	1.6	11	160 M	ø350	-	-	-	248	194	476	804	36.5	-	99	804	37.3	-	99.8	804	35.4	-	97.9
EVMS(L)15 10/11	1.6	11	160 M	ø350	-	-	-	248	194	476	844	37.8	-	100.3	844	38.6	-	101.1	844	36.7	-	99.2
EVMS(L)15 11/11	1.6	11	160 M	ø350	-	-	-	248	194	476	884	45.8	-	108.3	884	46.6	-	109.1	884	44.7	-	107.2
EVMS(L)15 12/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	924	47.9	-	110.4	924	46	-	108.5
EVMS(L)15 13/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	964	49.2	-	111.7	964	47.3	-	109.8
EVMS(L)15 15/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	1044	51.8	-	140.7	1044	49.9	-	138.8
EVMS(L)15 17/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	1124	54.7	-	143.6	1124	52.8	-	141.7

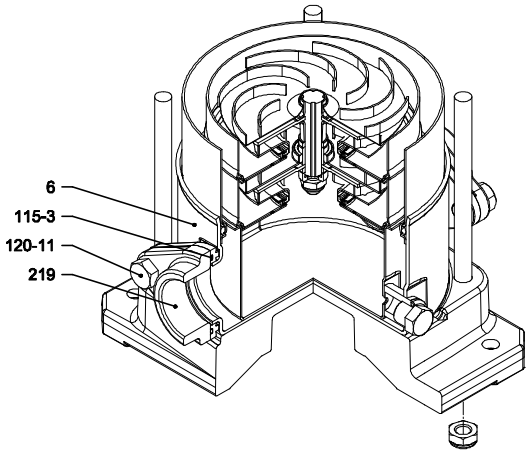
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMS(L)15

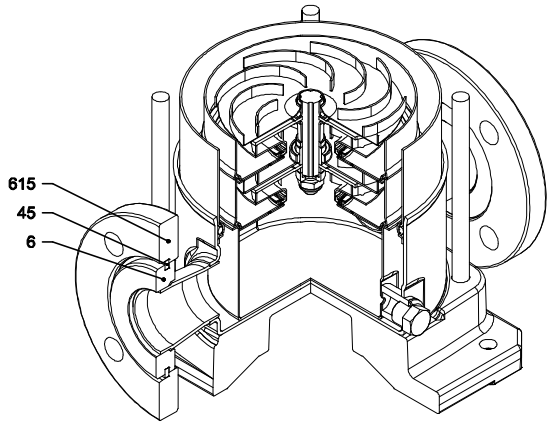


with Round flange (F)

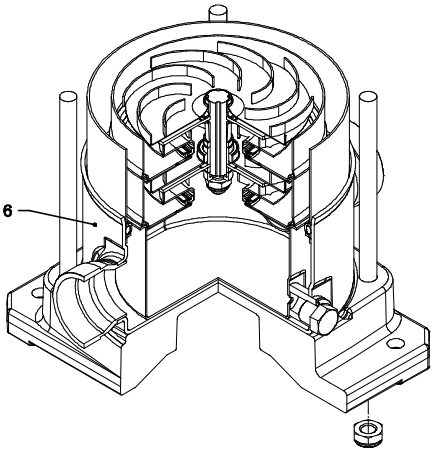
PIPE CONNECTION
EVMS(L)15



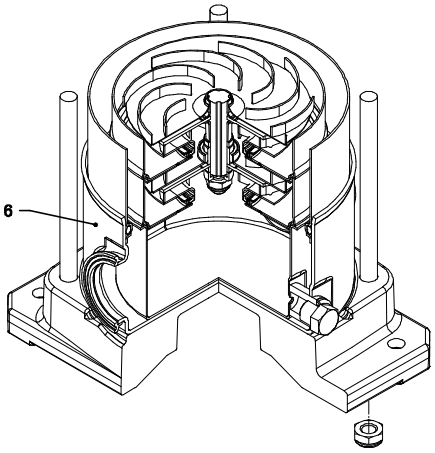
with Oval flange (N)



with Loose round flange (LF)



with Victaulic® connection (V)



with Clamp connection (C)

SECTIONAL TABLE
EVMS(L)15

N°	PART NAME		MATERIAL EVMS	MATERIAL EVMSL	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-1	Suction casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-4	Discharge casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
6	Bottom casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
7	Outer casing		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
31	Shaft		EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)	EN 1.4404 (AISI 316L) - EN 1.4462 (AISI 329A)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
43-4	Shaft sleeve (adjustment)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
43-6	Washer		EN 1.4404 (AISI 316L)		D. 26x2.5	
44-1	Shaft sleeve bearing		Tungsten carbide			
45	Flange holder		EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)			
47	Ring Holder		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	A4-70 UNI 7323 with inox insert	M10	
52-1	Bearing		Tungsten carbide			
75	O-Ring (plug)		EPDM		D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM			
107	Liner ring		EN 1.4301 (AISI 304) + PPS	EN 1.4401 (AISI 316) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM			
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
111-4	Seal holder		EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
115-1	O-Ring (outer casing)		EPDM		D. 164,46x5,34	OR 6645
115-3	O-Ring		EPDM			
115-4	O-Ring (cartridge sleeve)		EPDM		D. 15.88x2.62	OR 121
115-5	O-Ring (seal cover)		EPDM		D. 37.77x2.62	OR 3150
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1		M12	
120-3	Screw		A2-70 UNI 7323		M5x12	ISO 4762
120-6	Screw for coupling	up to 4.0 kW	Galvanized steel		M6x25	ISO 4762
		from 5.5 kW to 7.5 kW			M8x20	ISO 4762
		above 11 kW			M10x30	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323			
120-13	Screw for motor	MEC 80	Galvanized steel 8.8 strength class ISO 898/1		M6x20	ISO 4017
		MEC 90-100-112			M8x20	ISO 4017
		MEC 132			M12x40	UNI 5739
		MEC 160			M16x50	ISO 4017
128-1	Nut for tie rod		Galvanized steel		M12	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel		M12	UNI 5588
		MEC 160			M16	ISO 4032
128-5	Nut for tie rod		Galvanized steel		M12	UNI 7474
130-1	Set screw		A2-70 UNI 7323		M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323		M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel		D.5x35	UNI 4838
135-1	Washer		Galvanized steel		D. 13x24x2,5	UNI 6592
137-1	Impeller spacer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
		above 5.5 kW	Cast Iron			
160	Base		Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
162	Motor bracket		Cast iron EN-GJL-200-EN 1561			
212	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)			
219	Counter flange		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
245	Coupling guard		EN 1.4301 (AISI 304)			
273-1	Plug Washer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
615	Flange		Carbon steel			

QUANTITY FOR MODEL EVMS(L)15

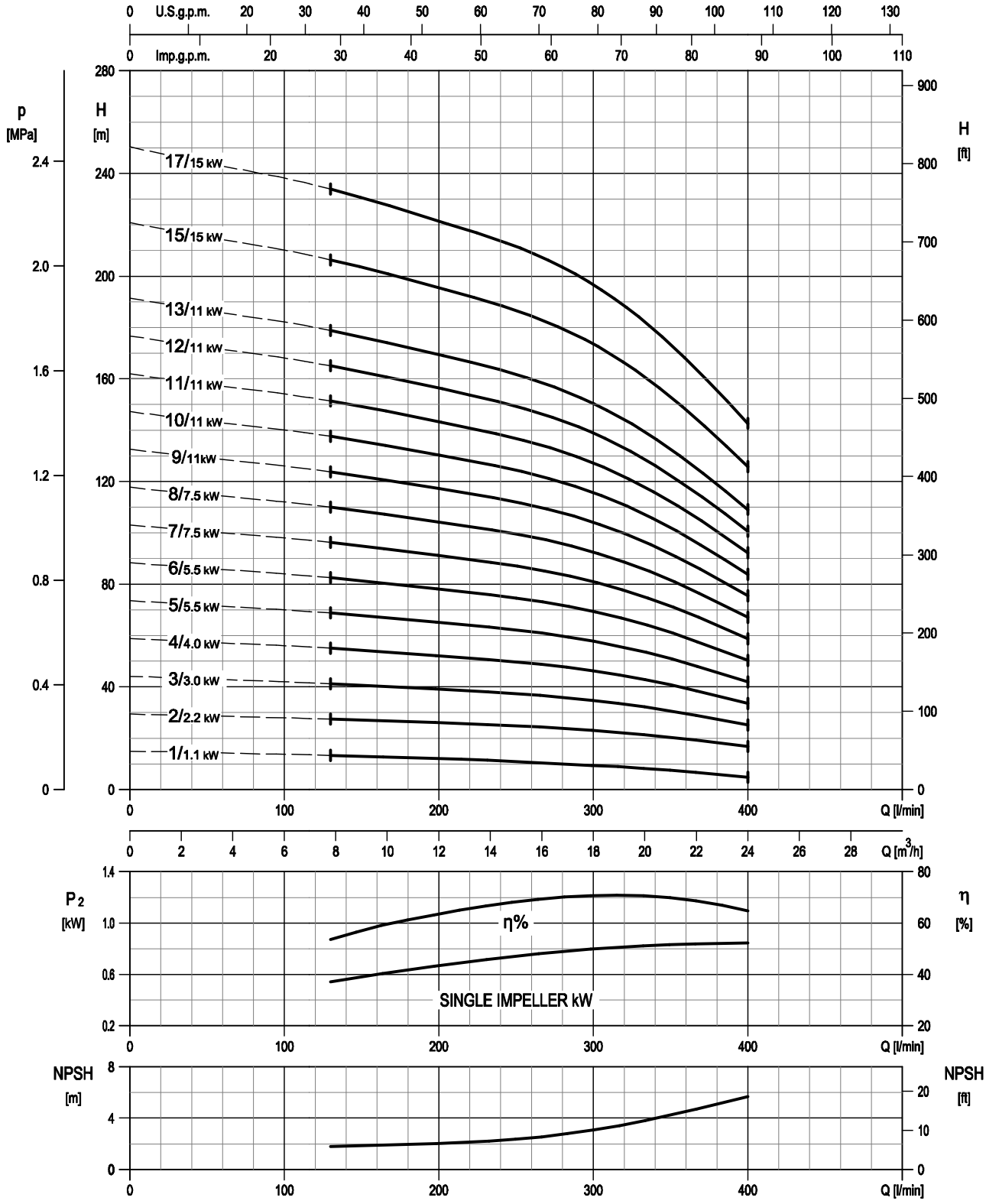
Pump Type	N°																													
	4	5-1	5-2	5-3	5-4	6	7	21	31***	32-1	43-2	43-3	43-4	43-6	44-1	45**	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5
EVMS(L)15 1/1.1	1	1	/	1	1	1	1	1	1	1	/	1	1	1	1	4	2	1	1	1	1	2	1	1	1	1	1	2	2	1	1
EVMS(L)15 2/2.2	1	1	/	1	1	1	1	2	1	1	/	1	1	/	1	4	2	1	1	1	1	2	2	1	1	1	1	2	2	1	1
EVMS(L)15 3/3.0	1	1	1	1	1	1	1	3	1	1	3	1	1	/	1	4	2	1	1	1	1	2	3	1	1	1	1	2	2	1	1
EVMS(L)15 4/4.0	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1
EVMS(L)15 5/5.5	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1
EVMS(L)15 6/5.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1
EVMS(L)15 7/7.5	1	1	4	2	1	1	1	7	1	1	9	2	2	/	2	4	2	1	1	2	1	2	7	1	1	1	1	2	2	1	1
EVMS(L)15 8/7.5	1	1	5	2	1	1	1	8	1	1	11	2	2	/	2	4	2	1	1	2	1	2	8	1	1	1	1	2	2	1	1
EVMS(L)15 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	/	2	4	2	1	1	2	1	2	9	1	1	1	1	2	2	1	1
EVMS(L)15 10/11	1	1	7	2	1	1	1	10	1	1	15	1	2	/	2	4	2	1	1	2	1	2	10	1	1	1	1	2	2	1	1
EVMS(L)15 11/11	1	1	8	2	1	1	1	11	1	1	17	1	2	/	2	4	2	1	1	2	1	2	11	1	1	1	1	2	2	1	1
EVMS(L)15 12/11	1	1	9	2	1	1	1	12	1	1	19	1	2	/	2	4	2	1	1	2	1	2	12	1	1	1	1	2	/	1	1
EVMS(L)15 13/11	1	1	10	2	1	1	1	13	1	1	21	1	2	/	2	4	2	1	1	2	1	2	13	1	1	1	1	2	/	1	1
EVMS(L)15 15/15	1	1	12	2	1	1	1	15	1	1	25	1	2	/	2	4	2	1	1	2	1	2	15	1	1	1	1	2	/	1	1
EVMS(L)15 17/15	1	1	13	3	1	1	1	17	1	1	27	2	2	/	3	4	2	1	1	3	1	2	17	1	1	1	1	2	/	1	1

Pump Type	N°																											
	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)15 1/1.1	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 2/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 3/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 4/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 5/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 6/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 7/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 8/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 9/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 10/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 11/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 12/11	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)15 13/11	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)15 15/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)15 17/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)
** only for Loose round flange (LF)
*** ☐ shaft in EN 1.4462 (AISI 329A)
128-6 / 135-6 : with Aluminium coupling (see drawing pag.211)

VERTICAL MULTISTAGE PUMPS EVMS

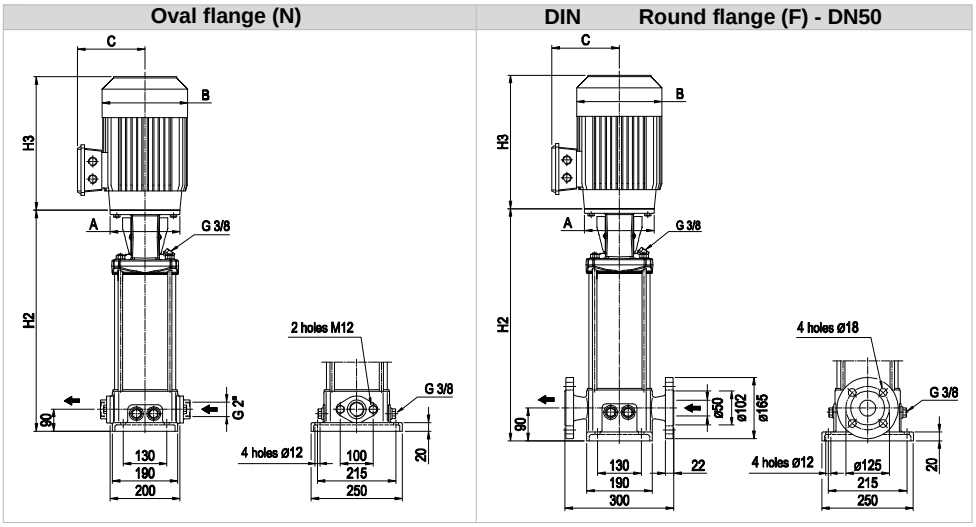
PERFORMANCE CURVE
EVMSG15



Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

TECHNICAL DATA
EVMSG15

Dimensional sketch

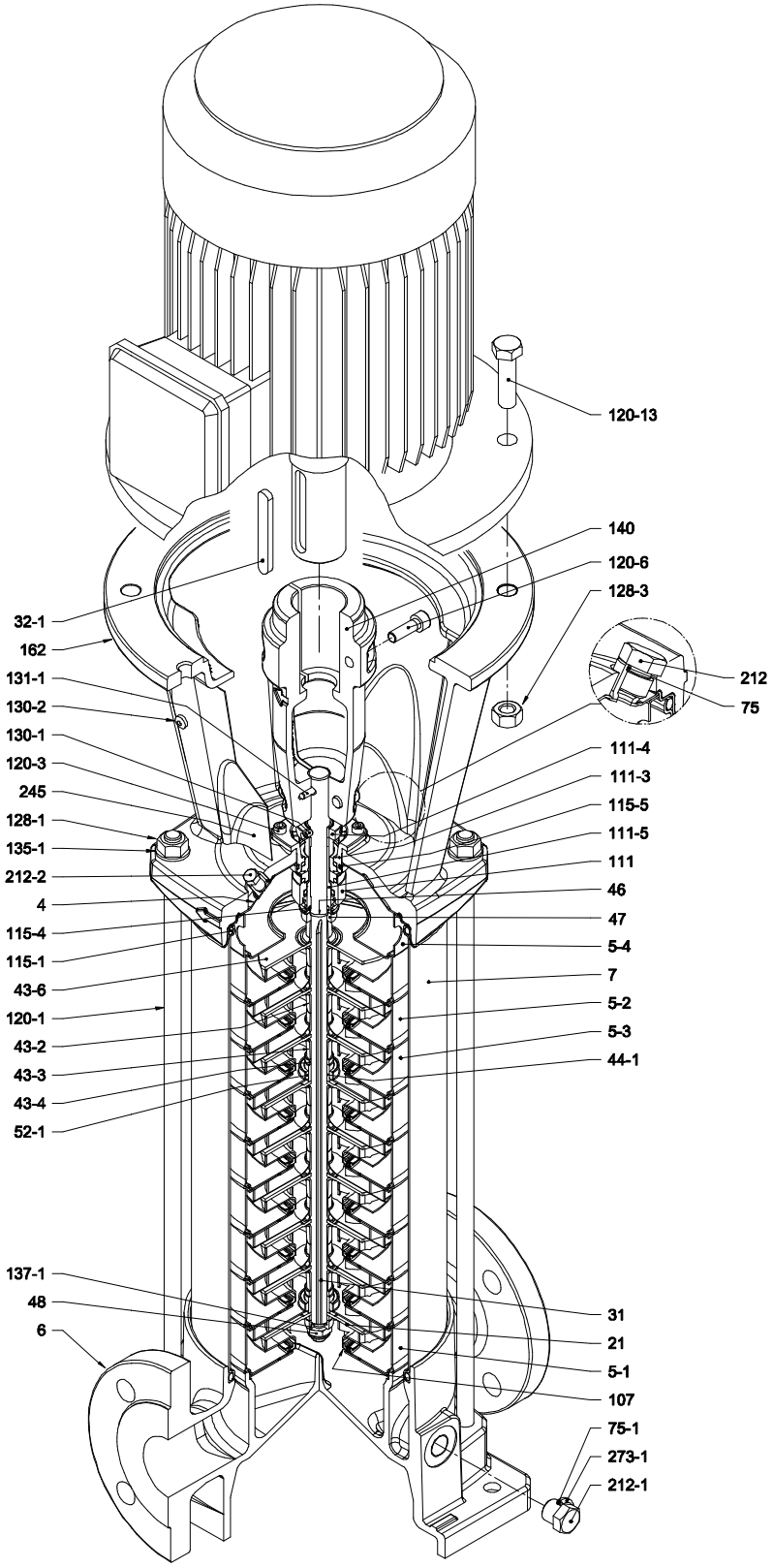


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Round flange (F) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~
EVMSG15 1/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	377	22.4	34.2	33.5	377	26.9	38.7	38
EVMSG15 2/2.2	1.6	2.2	90L	ø140	172	140	278	180	148	267	387	22.6	42.1	38.6	387	27.2	46.7	43.2
EVMSG15 3/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	437	24	-	46.8	437	28.5	-	51.3
EVMSG15 4/4.0	1.6	4.0	112 S	ø160	-	-	-	196	155	306	477	25.2	-	51.7	477	29.7	-	56.2
EVMSG15 5/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	614	34.9	-	73.5	614	39.5	-	78.1
EVMSG15 6/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	654	36.1	-	74.7	654	40.7	-	79.3
EVMSG15 7/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	694	38.3	-	78.7	694	42.9	-	83.3
EVMSG15 8/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	734	39.6	-	80	734	44.2	-	84.6
EVMSG15 9/11	1.6	11	160 M	ø350	-	-	-	248	194	476	804	40.9	-	103.4	804	45.5	-	108
EVMSG15 10/11	1.6	11	160 M	ø350	-	-	-	248	194	476	844	42.2	-	104.7	844	46.8	-	109.3
EVMSG15 11/11	1.6	11	160 M	ø350	-	-	-	248	194	476	884	50.2	-	112.7	884	54.7	-	117.2
EVMSG15 12/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	924	56	-	118.5
EVMSG15 13/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	964	57.3	-	119.8
EVMSG15 15/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	1044	59.9	-	148.8
EVMSG15 17/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	1124	62.8	-	151.7

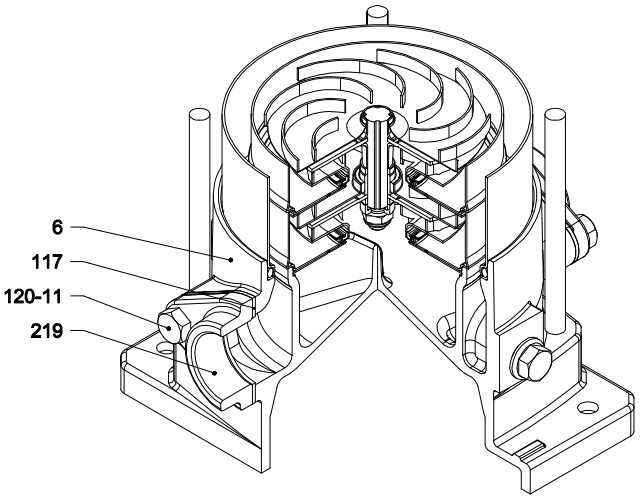
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMSG15



with Round flange (F)

PIPE CONNECTION
EVMSG15



with Oval flange (N)

SECTIONAL TABLE
EVMSG15

N°	PART NAME		MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)		
5-1	Suction casing		EN 1.4301 (AISI 304)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)		
5-4	Discharge casing		EN 1.4301 (AISI 304)		
6	Bottom casing		Cast Iron EN GJL-250-EN1561		
7	Outer casing		EN 1.4301 (AISI 304)		
21	Impeller		EN 1.4301 (AISI 304)		
31	Shaft		EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)		
43-4	Shaft sleeve (adjustment)		EN 1.4301 (AISI 304)		
43-6	Washer		EN 1.4404 (AISI 316L)	D. 26x2.5	
44-1	Shaft sleeve bearing		Tungsten carbide		
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)		
47	Ring Holder		EN 1.4301 (AISI 304)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	M10	
52-1	Bearing		Tungsten carbide		
75	O-Ring (plug)		EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM		
107	Liner ring		EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM		
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)		
111-4	Seal holder		EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)		EPDM	D. 164,46x5,34	OR 6645
115-4	O-Ring (cartridge sleeve)		EPDM	D. 15.88x2.62	OR 121
115-5	O-Ring (seal cover)		EPDM	D. 37.77x2.62	OR 3150
117	Flange gasket		EPDM		
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1	M12	
120-3	Screw		A2-70 UNI 7323	M5x12	ISO 4762
120-6	Screw for coupling	up to 4.0 kW	Galvanized steel 6.8 strength class ISO 898/1	M6x25	ISO 4762
		from 5.5 kW to 7.5 kW		M8x20	ISO 4762
		above 11 kW		M10x30	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323		
120-13	Screw for motor	MEC 80	Galvanized steel 8.8 strength class ISO 898/1	M6x20	ISO 4017
		MEC 90-100-112		M8x20	ISO 4017
		MEC 132		M12x40	UNI 5739
		MEC 160		M16x50	ISO 4017
128-1	Nut for tie rod		Galvanized steel	M12	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel	M12	UNI 5588
		MEC 160		M16	ISO 4032
130-1	Set screw		A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel	D. 5x35	UNI 4838
135-1	Washer		Galvanized steel	D. 13x24x2,5	UNI 6592
137-1	Impeller spacer		EN 1.4301 (AISI 304)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
		above 5.5 kW	Cast Iron		
162	Motor bracket		Cast iron EN-GJL-200-EN 1561		
212	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)		
219	Counter flange		Galvanized steel		
245	Coupling guard		EN 1.4301 (AISI 304)		
273-1	Plug Washer		EN 1.4301 (AISI 304)		

QUANTITY FOR MODEL EVMSG15

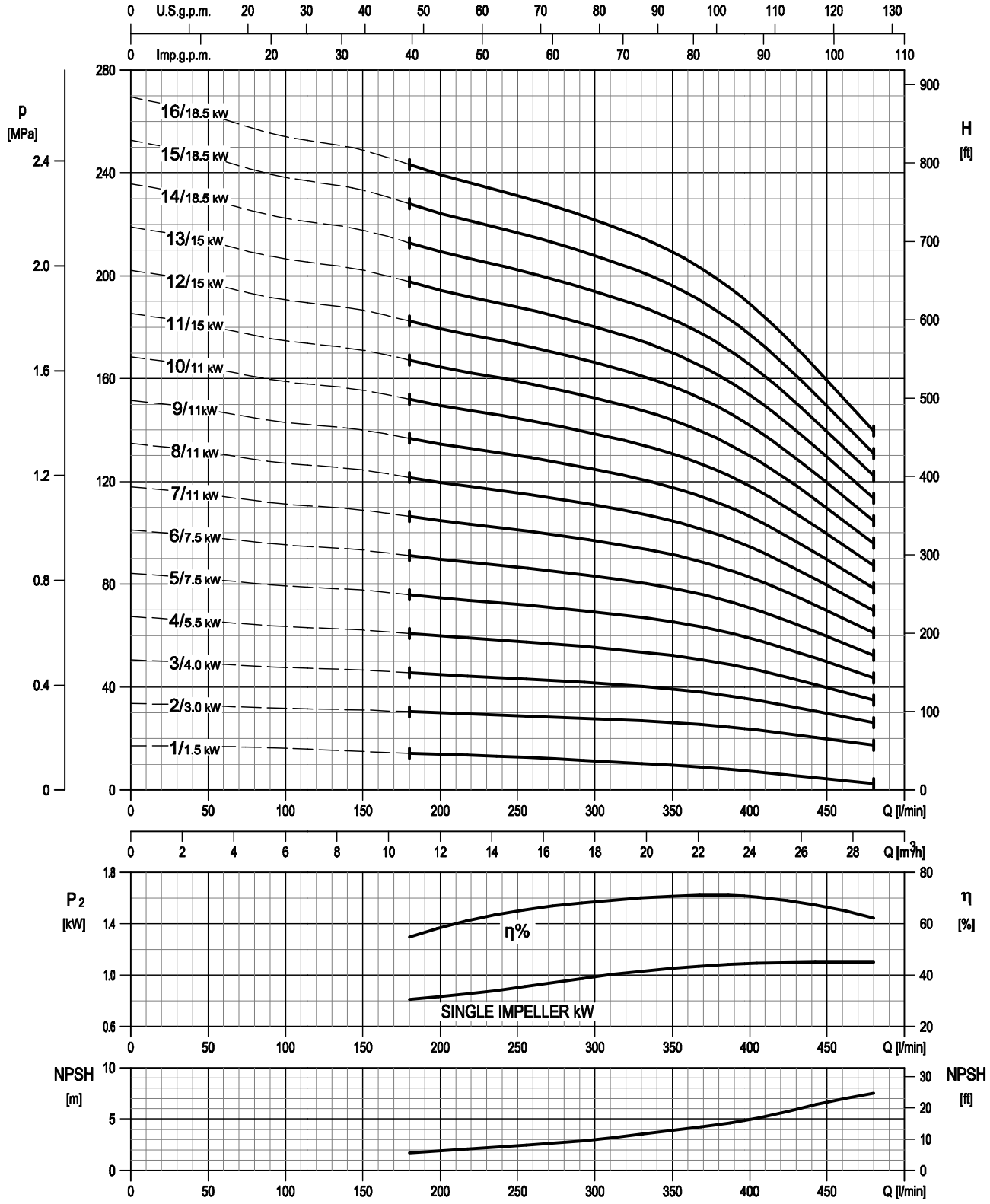
Pump Type	N°																												
	4	5-1	5-2	5-3	5-4	6	7	21	31***	32-1	43-2	43-3	43-4	43-6	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMSG15 1/1.1	1	1	/	1	1	1	1	1	1	1	/	1	1	1	1	2	1	1	1	1	4	1	1	1	1	1	2	1	1
EVMSG15 2/2.2	1	1	/	1	1	1	1	2	1	1	/	1	1	/	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG15 3/3.0	1	1	1	1	1	1	1	3	1	1	3	1	1	/	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG15 4/4.0	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG15 5/5.5	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG15 6/5.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG15 7/7.5	1	1	4	2	1	1	1	7	1	1	9	2	2	/	2	2	1	1	2	1	4	7	1	1	1	1	2	1	1
EVMSG15 8/7.5	1	1	5	2	1	1	1	8	1	1	11	2	2	/	2	2	1	1	2	1	4	8	1	1	1	1	2	1	1
EVMSG15 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	/	2	2	1	1	2	1	4	9	1	1	1	1	2	1	1
EVMSG15 10/11	1	1	7	2	1	1	1	10	1	1	15	1	2	/	2	2	1	1	2	1	4	10	1	1	1	1	2	1	1
EVMSG15 11/11	1	1	8	2	1	1	1	11	1	1	17	1	2	/	2	2	1	1	2	1	4	11	1	1	1	1	2	1	1
EVMSG15 12/11	1	1	9	2	1	1	1	12	1	1	19	1	2	/	2	2	1	1	2	1	4	12	1	1	1	1	2	1	1
EVMSG15 13/11	1	1	10	2	1	1	1	13	1	1	21	1	2	/	2	2	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG15 15/15	1	1	12	2	1	1	1	15	1	1	25	1	2	/	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG15 17/15	1	1	13	3	1	1	1	17	1	1	27	2	2	/	3	2	1	1	3	1	4	17	1	1	1	1	2	1	1

Pump Type	N°																							
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG15 1/1.1	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG15 2/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG15 3/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG15 4/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG15 5/5.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG15 6/5.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG15 7/7.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG15 8/7.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG15 9/11	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG15 10/11	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG15 11/11	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG15 12/11	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG15 13/11	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG15 15/15	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG15 17/15	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4

* only for Oval flange (N)
*** ▭ shaft in EN 1.4462 (AISI 329A)
128-6 / 135-6 : with Aluminium coupling (see drawing pag.211)

VERTICAL MULTISTAGE PUMPS EVMS

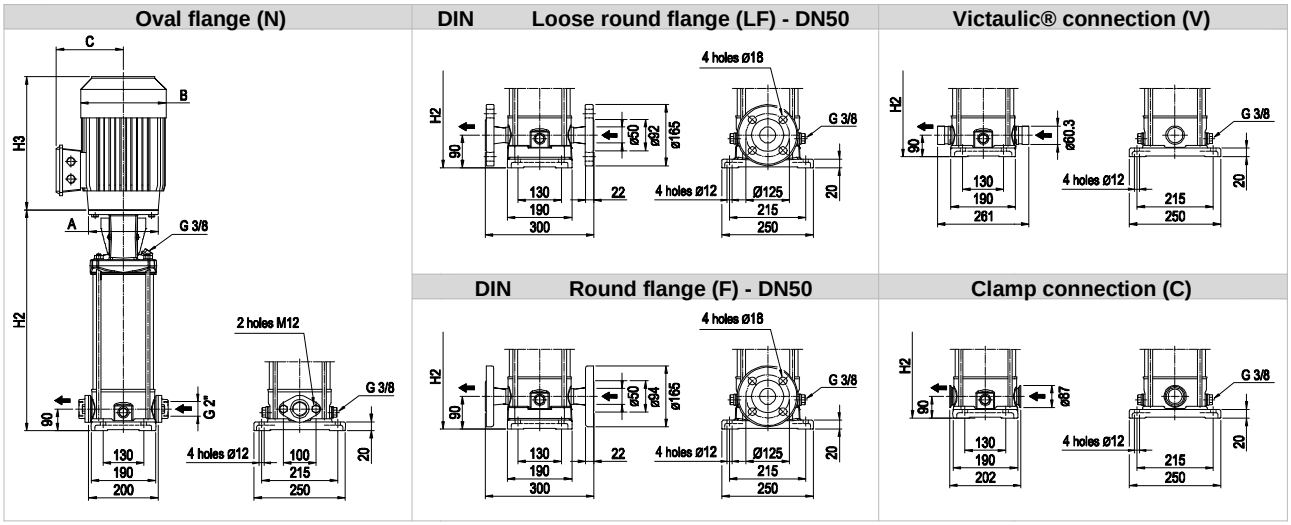
PERFORMANCE CURVE
EVMS(L)20



Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

TECHNICAL DATA
EVMS(L)20

Dimensional sketch

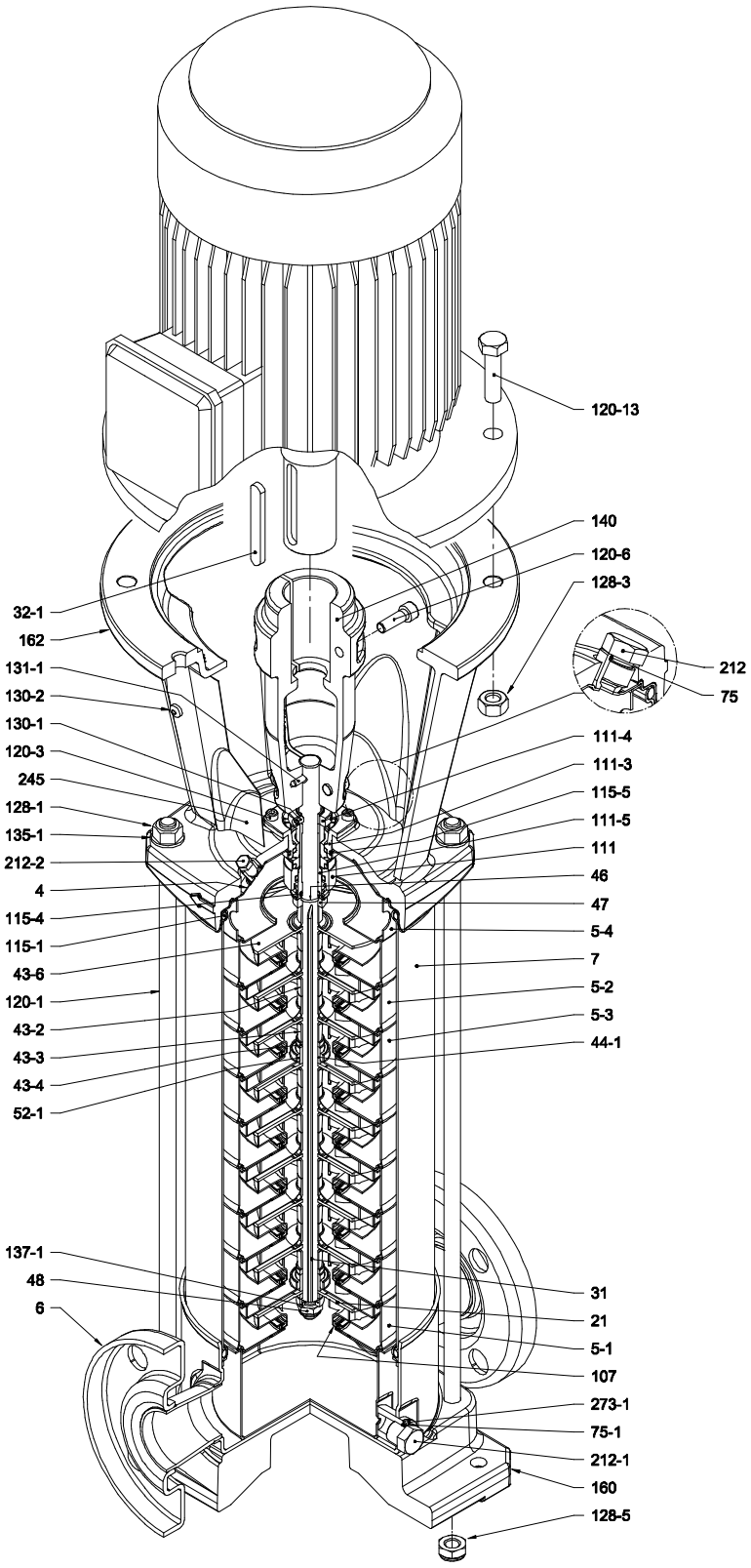


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Oval flange (N) Weight Pump	Oval flange (N) Weight Pump + Motor 1 ~	Oval flange (N) Weight Pump + Motor 3 ~	Loose round flange (LF) Round flange (F) H2	Loose round flange (LF) Round flange (F) Weight Pump	Loose round flange (LF) Round flange (F) Weight Pump + Motor 1 ~	Loose round flange (LF) Round flange (F) Weight Pump + Motor 3 ~	Victaulic® connection (V) Clamp connection (C) H2	Victaulic® connection (V) Clamp connection (C) Weight Pump	Victaulic® connection (V) Clamp connection (C) Weight Pump + Motor 1 ~	Victaulic® connection (V) Clamp connection (C) Weight Pump + Motor 3 ~
EVMS(L)20 1/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	387	18.2	36.0	30.9	387	20	37.8	32.7	387	17.1	34.9	29.8
EVMS(L)20 2/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	397	18.3	-	41.1	397	19.1	-	41.9	397	17.2	-	40
EVMS(L)20 3/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	437	19.7	-	46.2	437	20.5	-	47	437	18.6	-	45.1
EVMS(L)20 4/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	574	25.6	-	64.2	574	26.4	-	65	574	24.5	-	63.1
EVMS(L)20 5/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	614	26.9	-	67.3	614	27.7	-	68.1	614	25.8	-	66.2
EVMS(L)20 6/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	654	28.1	-	68.5	654	28.9	-	69.3	654	27	-	67.4
EVMS(L)20 7/11	1.6	11	160 M	ø350	-	-	-	248	194	476	724	30.4	-	92.9	724	31.2	-	93.7	724	29.3	-	91.8
EVMS(L)20 8/11	1.6	11	160 M	ø350	-	-	-	248	194	476	764	42.2	-	104.7	764	43	-	105.5	764	41.1	-	103.6
EVMS(L)20 9/11	1.6	11	160 M	ø350	-	-	-	248	194	476	804	43.5	-	106	804	44.3	-	106.8	804	42.4	-	104.9
EVMS(L)20 10/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	844	45.7	-	108.2	844	43.8	-	106.3
EVMS(L)20 11/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	884	47	-	135.9	884	45.1	-	134
EVMS(L)20 12/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	924	48.3	-	137.2	924	46.4	-	135.3
EVMS(L)20 13/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	964	49.6	-	138.5	964	47.7	-	136.6
EVMS(L)20 14/18.5	2.5	18.5	160 L	ø350	-	-	-	317	238	542	-	-	-	-	1004	51	-	155	1004	49.1	-	153.1
EVMS(L)20 15/18.5	2.5	18.5	160 L	ø350	-	-	-	317	238	542	-	-	-	-	1044	52.3	-	156.3	1044	50.4	-	154.4
EVMS(L)20 16/18.5	2.5	18.5	160 L	ø350	-	-	-	317	238	542	-	-	-	-	1084	53.6	-	157.6	1084	51.7	-	155.7

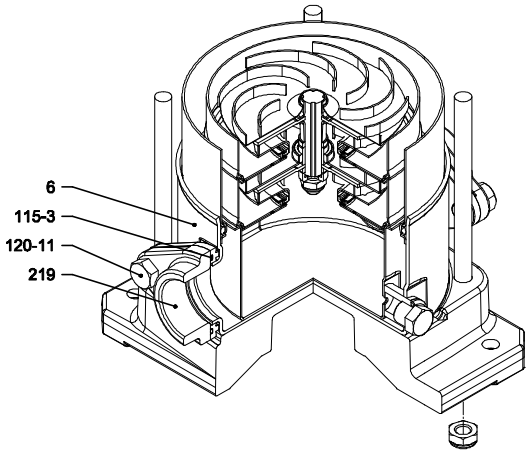
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMS(L)20

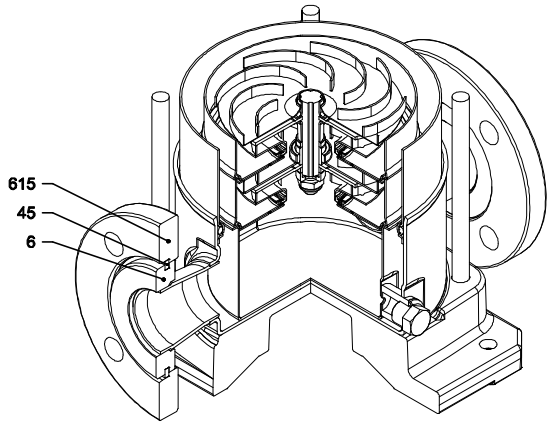


with Round flange (F)

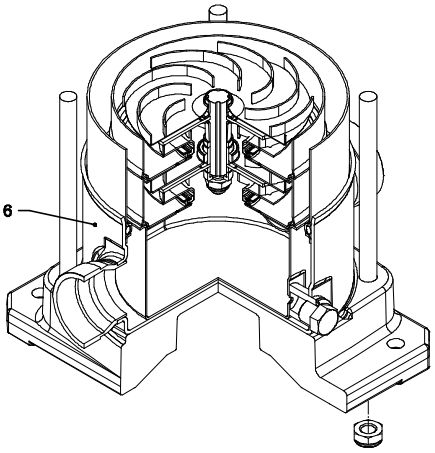
PIPE CONNECTION
EVMS(L)20



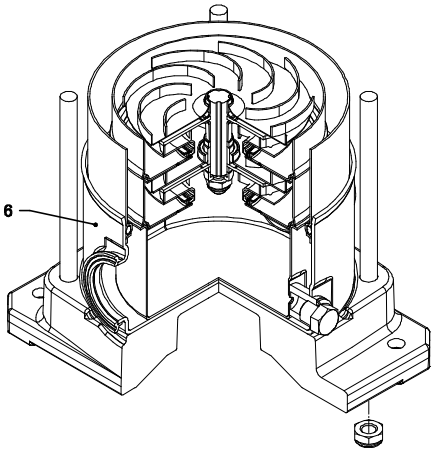
with Oval flange (N)



with Loose round flange (LF)



with Victaulic® connection (V)



with Clamp connection (C)

SECTIONAL TABLE
EVMS(L)20

N°	PART NAME		MATERIAL EVMS	MATERIAL EVMSL	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-1	Suction casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
5-4	Discharge casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
6	Bottom casing		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
7	Outer casing		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
31	Shaft		EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)	EN 1.4404 (AISI 316L) - EN 1.4462 (AISI 329A)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
43-4	Shaft sleeve (adjustment)		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
43-6	Washer		EN 1.4404 (AISI 316L)		D. 26x2.5	
44-1	Shaft sleeve bearing		Tungsten carbide			
45	Flange holder		EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)			
47	Ring Holder		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	A4-70 UNI 7323 with inox insert	M10	
52-1	Bearing		Tungsten carbide			
75	O-Ring (plug)		EPDM		D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM			
107	Liner ring		EN 1.4301 (AISI 304) + PPS	EN 1.4401 (AISI 316) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM			
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
111-4	Seal holder		EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
115-1	O-Ring (outer casing)		EPDM		D. 164,46x5,34	OR 6645
115-3	O-Ring		EPDM			
115-4	O-Ring (cartridge sleeve)		EPDM		D. 15.88x2.62	OR 121
115-5	O-Ring (seal cover)		EPDM		D. 37.77x2.62	OR 3150
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1		M12	
120-3	Screw		A2-70 UNI 7323		M5x12	ISO 4762
120-6	Screw for coupling	up to 4.0 kW	Galvanized steel		M6x25	ISO 4762
		from 5.5 kW to 7.5 kW			M8x20	ISO 4762
		above 11 kW			M10x30	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323			
120-13	Screw for motor	MEC 90-100-112	Galvanized steel 8.8 strength class ISO 898/1		M8x20	ISO 4017
		MEC 132			M12x40	UNI 5739
		MEC 160			M16x50	ISO 4017
128-1	Nut for tie rod		Galvanized steel		M12	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel		M12	UNI 5588
		MEC 160			M16	ISO 4032
128-5	Nut for tie rod		Galvanized steel		M12	UNI 7474
130-1	Set screw		A2-70 UNI 7323		M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323		M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel		D. 5x35	UNI 4838
135-1	Washer		Galvanized steel		D. 13x24x2,5	UNI 6592
137-1	Impeller spacer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
		above 5.5 kW	Cast Iron			
160	Base		Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
162	Motor bracket		Cast iron EN-GJL-200-EN 1561			
212	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)			
219	Counter flange		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
245	Coupling guard		EN 1.4301 (AISI 304)			
273-1	Plug Washer		EN 1.4301 (AISI 304)	EN 1.4401 (AISI 316)		
615	Flange		Carbon steel			

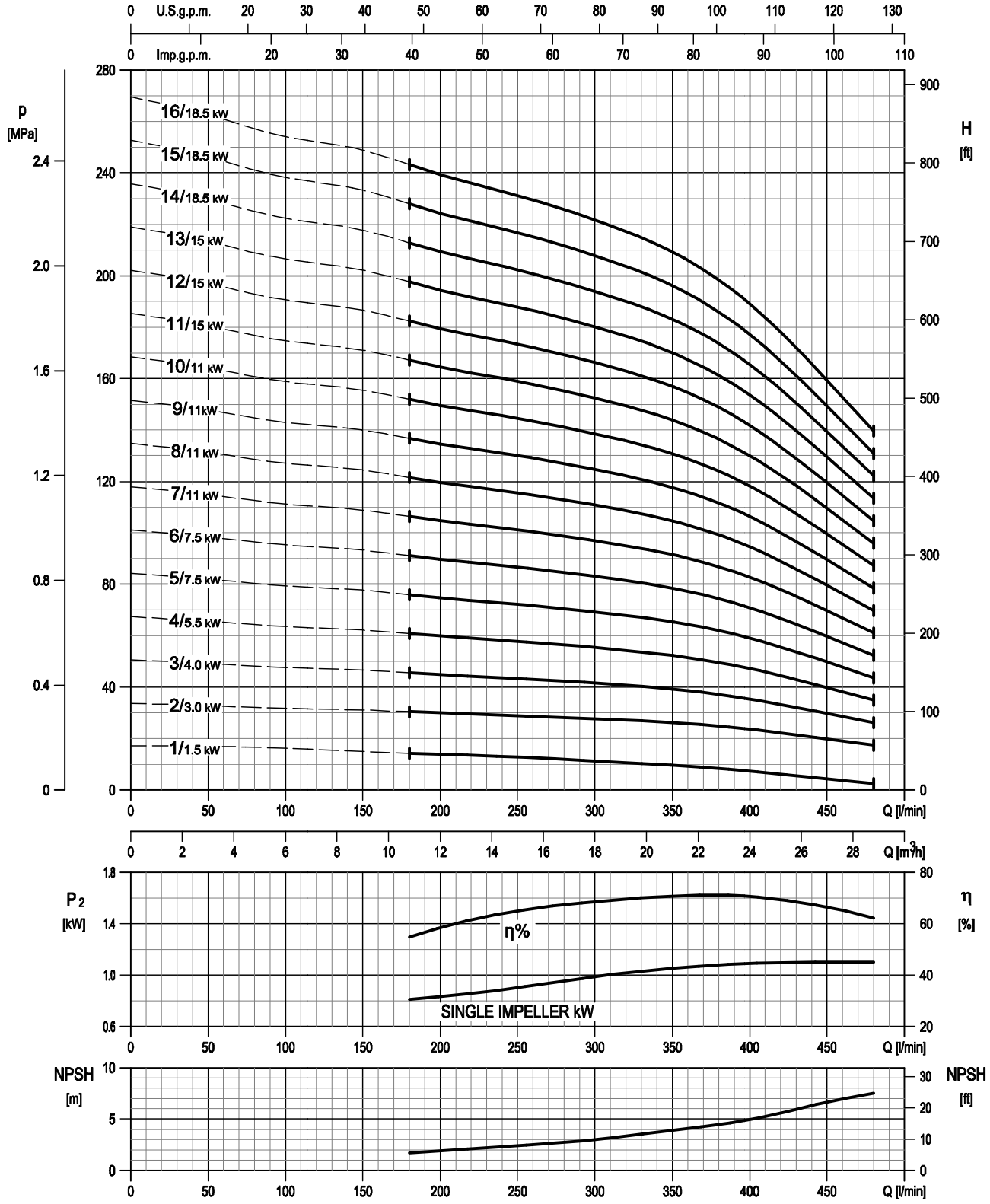
QUANTITY FOR MODEL EVMS(L)20

Pump Type	N°																													
	4	5-1	5-2	5-3	5-4	6	7	21	31***	32-1	43-2	43-3	43-4	43-6	44-1	45**	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5
EVMS(L)20 1/1.5	1	1	/	1	1	1	1	1	1	1	/	1	1	1	1	4	2	1	1	1	1	2	1	1	1	1	1	2	2	1	1
EVMS(L)20 2/3.0	1	1	/	1	1	1	1	2	1	1	/	1	1	/	1	4	2	1	1	1	1	2	2	1	1	1	1	2	2	1	1
EVMS(L)20 3/4.0	1	1	1	1	1	1	1	3	1	1	3	1	1	/	1	4	2	1	1	1	1	2	3	1	1	1	1	2	2	1	1
EVMS(L)20 4/5.5	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1
EVMS(L)20 5/7.5	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1
EVMS(L)20 6/7.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1
EVMS(L)20 7/11	1	1	4	2	1	1	1	7	1	1	9	2	2	/	2	4	2	1	1	2	1	2	7	1	1	1	1	2	2	1	1
EVMS(L)20 8/11	1	1	5	2	1	1	1	8	1	1	11	2	2	/	2	4	2	1	1	2	1	2	8	1	1	1	1	2	2	1	1
EVMS(L)20 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	/	2	4	2	1	1	2	1	2	9	1	1	1	1	2	2	1	1
EVMS(L)20 10/11	1	1	7	2	1	1	1	10	1	1	15	2	2	/	2	4	2	1	1	2	1	2	10	1	1	1	1	2	/	1	1
EVMS(L)20 11/15	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	4	2	1	1	2	1	2	11	1	1	1	1	2	/	1	1
EVMS(L)20 12/15	1	1	9	2	1	1	1	12	1	1	19	2	2	/	2	4	2	1	1	2	1	2	12	1	1	1	1	2	/	1	1
EVMS(L)20 13/15	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	4	2	1	1	2	1	2	13	1	1	1	1	2	/	1	1
EVMS(L)20 14/18.5	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	4	2	1	1	2	1	2	14	1	1	1	1	2	/	1	1
EVMS(L)20 15/18.5	1	1	12	2	1	1	1	15	1	1	25	2	2	/	2	4	2	1	1	2	1	2	15	1	1	1	1	2	/	1	1
EVMS(L)20 16/18.5	1	1	13	2	1	1	1	16	1	1	27	2	2	/	2	4	2	1	1	2	1	2	16	1	1	1	1	2	/	1	1

Pump Type	N°																													
	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)20 1/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 2/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 3/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 4/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 5/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 6/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 7/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 8/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 9/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 10/11	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 11/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 12/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 13/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 14/18.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 15/18.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 16/18.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)
** only for Loose round flange (LF)
*** ▭ shaft in EN 1.4462 (AISI 329A)
128-6 / 135-6 : with Aluminium coupling (see drawing pag.211)

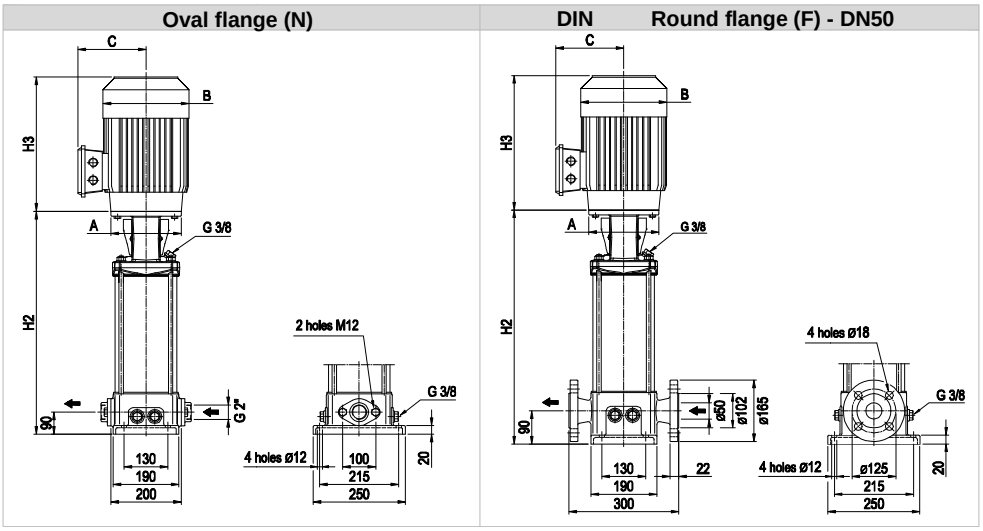
PERFORMANCE CURVE
EVMSG20



Rotation speed ≈2900 min^{-1}
Test standard: ISO 9906:2012 - Grade 3B

TECHNICAL DATA
EVMSG20

Dimensional sketch

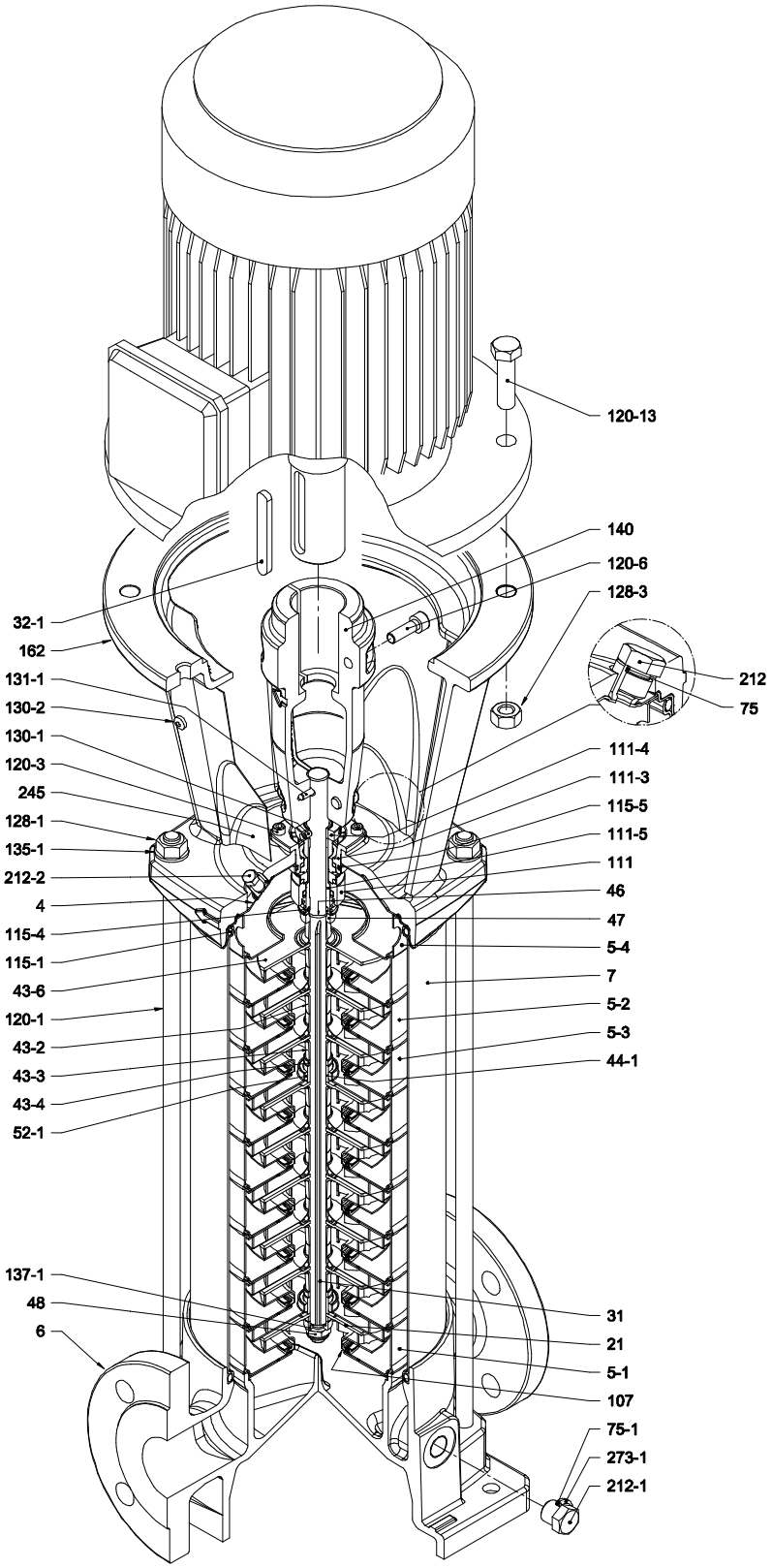


Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor kW	Size	A	1 ~ B	1 ~ C	1 ~ H3	3 ~ B	3 ~ C	3 ~ H3	Oval flange (N) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~	Round flange (F) H2	Weight Pump	Weight Pump + Motor 1 ~	Weight Pump + Motor 3 ~
EVMSG20 1/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	387	22.6	40.4	35.3	387	27.2	45	39.9
EVMSG20 2/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	397	22.7	-	45.5	397	27.3	-	50.1
EVMSG20 3/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	437	24.1	-	50.6	437	28.7	-	55.2
EVMSG20 4/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	574	30	-	68.6	574	34.6	-	73.2
EVMSG20 5/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	614	31.2	-	71.6	614	35.9	-	76.3
EVMSG20 6/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	654	32.5	-	72.9	654	37.1	-	77.5
EVMSG20 7/11	1.6	11	160 M	ø350	-	-	-	248	194	476	724	34.8	-	97.3	724	39.4	-	101.9
EVMSG20 8/11	1.6	11	160 M	ø350	-	-	-	248	194	476	764	46.6	-	109.1	764	51.2	-	113.7
EVMSG20 9/11	1.6	11	160 M	ø350	-	-	-	248	194	476	804	47.9	-	110.4	804	52.5	-	115
EVMSG20 10/11	2.5	11	160 M	ø350	-	-	-	248	194	476	-	-	-	-	844	53.9	-	116.4
EVMSG20 11/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	884	55.2	-	144.1
EVMSG20 12/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	924	56.5	-	145.4
EVMSG20 13/15	2.5	15	160 M	ø350	-	-	-	317	238	498	-	-	-	-	964	57.9	-	146.8
EVMSG20 14/18.5	2.5	18.5	160 L	ø350	-	-	-	317	238	542	-	-	-	-	1004	59.2	-	163.2
EVMSG20 15/18.5	2.5	18.5	160 L	ø350	-	-	-	317	238	542	-	-	-	-	1044	60.5	-	164.5
EVMSG20 16/18.5	2.5	18.5	160 L	ø350	-	-	-	317	238	542	-	-	-	-	1084	61.8	-	165.8

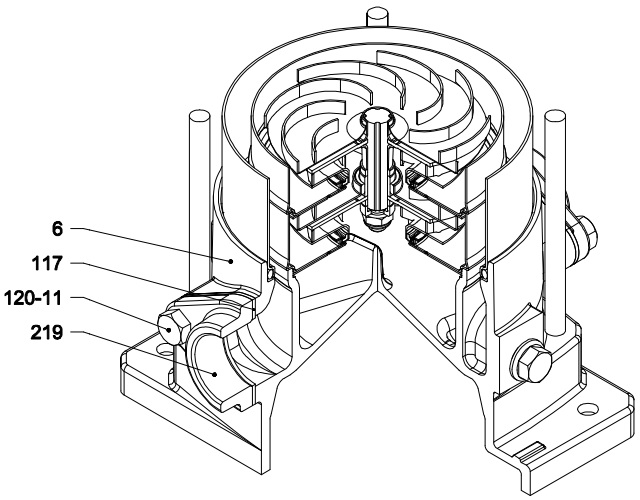
1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

SECTIONAL VIEW
EVMSG20



with Round flange (F)

PIPE CONNECTION
EVMSG20



with Oval flange (N)

SECTIONAL TABLE
EVMSG20

N°	PART NAME		MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)		
5-1	Suction casing		EN 1.4301 (AISI 304)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)		
5-4	Discharge casing		EN 1.4301 (AISI 304)		
6	Bottom casing		Cast Iron EN GJL-250-EN1561		
7	Outer casing		EN 1.4301 (AISI 304)		
21	Impeller		EN 1.4301 (AISI 304)		
31	Shaft		EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)		
43-4	Shaft sleeve (adjustment)		EN 1.4301 (AISI 304)		
43-6	Washer		EN 1.4404 (AISI 316L)	D. 26x2.5	
44-1	Shaft sleeve bearing		Tungsten carbide		
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)		
47	Ring Holder		EN 1.4301 (AISI 304)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	M10	
52-1	Bearing		Tungsten carbide		
75	O-Ring (plug)		EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM		
107	Liner ring		EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal		SiC/Carbon/EPDM		
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)		
111-4	Seal holder		EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)		EPDM	D. 164,46x5,34	OR 6645
115-4	O-Ring (cartridge sleeve)		EPDM	D. 15.88x2.62	OR 121
115-5	O-Ring (seal cover)		EPDM	D. 37.77x2.62	OR 3150
117	Flange gasket		EPDM		
120-1	Tie-rod		Galvanized steel 6.8 strength class ISO 898/1	M12	
120-3	Screw		A2-70 UNI 7323	M5x12	ISO 4762
120-6	Screw for coupling	up to 4.0 kW	Galvanized steel 6.8 strength class ISO 898/1	M6x25	ISO 4762
		from 5.5 kW to 7.5 kW		M8x20	ISO 4762
		above 11 kW		M10x30	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323		
120-13	Screw for motor	MEC 90-100-112	Galvanized steel 8.8 strength class ISO 898/1	M8x20	ISO 4017
		MEC 132		M12x40	UNI 5739
		MEC 160		M16x50	ISO 4017
128-1	Nut for tie rod		Galvanized steel	M12	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel	M12	UNI 5588
		MEC 160		M16	ISO 4032
130-1	Set screw		A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel	D. 5x35	UNI 4838
135-1	Washer		Galvanized steel	D. 13x24x2,5	UNI 6592
137-1	Impeller spacer		EN 1.4301 (AISI 304)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
		above 5.5 kW	Cast Iron		
162	Motor bracket		Cast iron EN-GJL-200-EN 1561		
212	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)		
219	Counter flange		Galvanized steel		
245	Coupling guard		EN 1.4301 (AISI 304)		
273-1	Plug Washer		EN 1.4301 (AISI 304)		

QUANTITY FOR MODEL EVMSG20

Pump Type	N°																												
	4	5-1	5-2	5-3	5-4	6	7	21	31***	32-1	43-2	43-3	43-4	43-6	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMSG20 1/1.5	1	1	/	1	1	1	1	1	1	1	/	1	1	1	1	2	1	1	1	1	4	1	1	1	1	1	2	1	1
EVMSG20 2/3.0	1	1	/	1	1	1	1	2	1	1	/	1	1	/	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG20 3/4.0	1	1	1	1	1	1	1	3	1	1	3	1	1	/	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG20 4/5.5	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG20 5/7.5	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG20 6/7.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG20 7/11	1	1	4	2	1	1	1	7	1	1	9	2	2	/	2	2	1	1	2	1	4	7	1	1	1	1	2	1	1
EVMSG20 8/11	1	1	5	2	1	1	1	8	1	1	11	2	2	/	2	2	1	1	2	1	4	8	1	1	1	1	2	1	1
EVMSG20 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	/	2	2	1	1	2	1	4	9	1	1	1	1	2	1	1
EVMSG20 10/11	1	1	7	2	1	1	1	10	1	1	15	2	2	/	2	2	1	1	2	1	4	10	1	1	1	1	2	1	1
EVMSG20 11/15	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	2	1	1	2	1	4	11	1	1	1	1	2	1	1
EVMSG20 12/15	1	1	9	2	1	1	1	12	1	1	19	2	2	/	2	2	1	1	2	1	4	12	1	1	1	1	2	1	1
EVMSG20 13/15	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	2	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG20 14/18.5	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG20 15/18.5	1	1	12	2	1	1	1	15	1	1	25	2	2	/	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG20 16/18.5	1	1	13	2	1	1	1	16	1	1	27	2	2	/	2	2	1	1	2	1	4	16	1	1	1	1	2	1	1

Pump Type	N°																								
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG20 1/1.5	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG20 2/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG20 3/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG20 4/5.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG20 5/7.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG20 6/7.5	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG20 7/11	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG20 8/11	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG20 9/11	2	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4
EVMSG20 10/11	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG20 11/15	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG20 12/15	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG20 13/15	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG20 14/18.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG20 15/18.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4
EVMSG20 16/18.5	/	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4

* only for Oval flange (N)
*** ▭ shaft in EN 1.4462 (AISI 329A)
128-6 / 135-6 : with Aluminium coupling (see drawing pag.211)