

DML - DMLF



Submersible electric pumps with single channel impeller

Submersible electric pumps that are particularly suitable for the evacuation of civil and industrial waste water, sewage treatment, the drainage of subsoil areas, the handling of liquids including loaded with solid and filamentous substances in the drainage of infiltration waters, handling of sewage waters (health services) and the emptying of cesspits.



Possibility to use in fixed and mobile installations



Single channel impeller

DML - DMLF

Technical data

Max. immersion	7 m for DML 20 m for DMLF
Max. temperature of the liquid	40°C
Maximum length of fibres	500m
Max. solids passage	76 mm (DML) 30 mm (DMLF 1,4 kW) 40 mm (DMLF)
Poles	2, 4
Insulation class	F (DML) H (DMLF)
Protection degree	IP68
Voltage	Three phase 380-415V -10+6%, (DML 2.2 kW) - DOL Three phase 380-415V ±10% (DML 3.7÷22 kW) - Y/ Single phase 230V ±10% (DMLF)

Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 403 (DML) AISI 420B (DMLF)
Mechanical seal	Impeller side: SiC/SiC/NBR (DML and DMLF) Motor side: Carbon/Ceramic/NBR (DML)

Accessories



Quick discharge connection
Pag. 386 - **Quick discharge connection (QDC)**
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



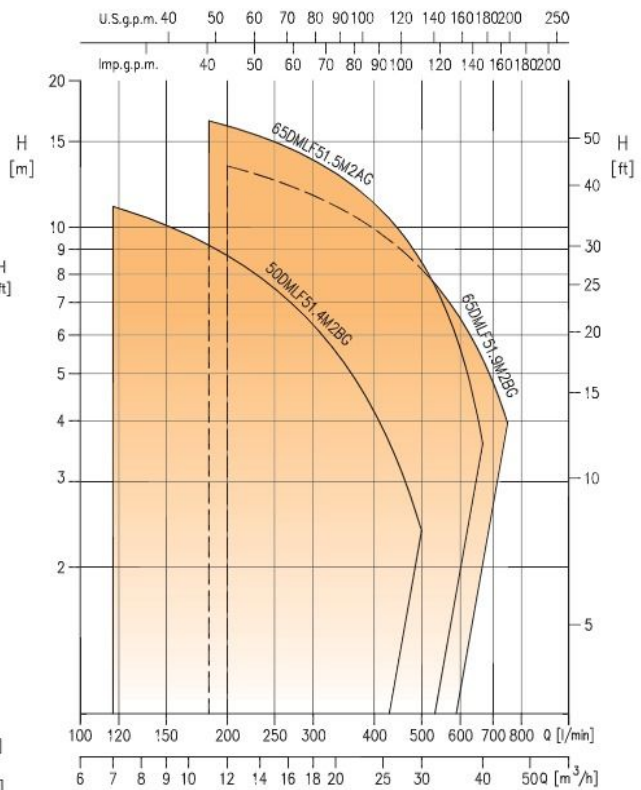
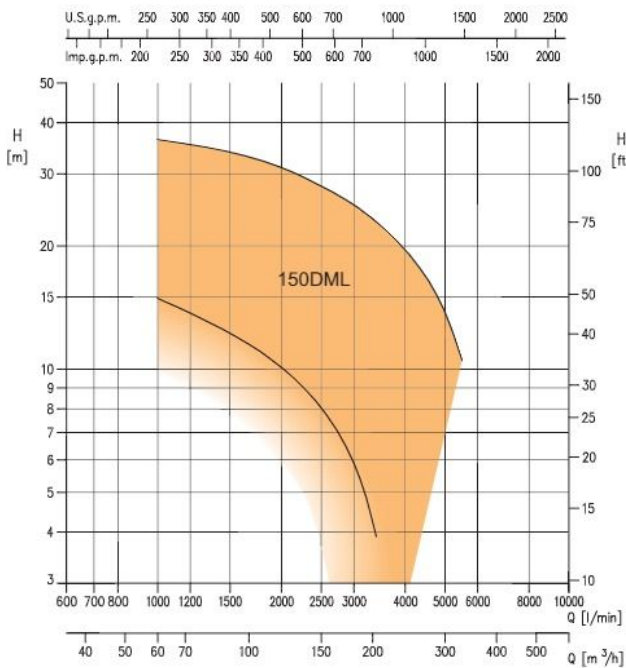
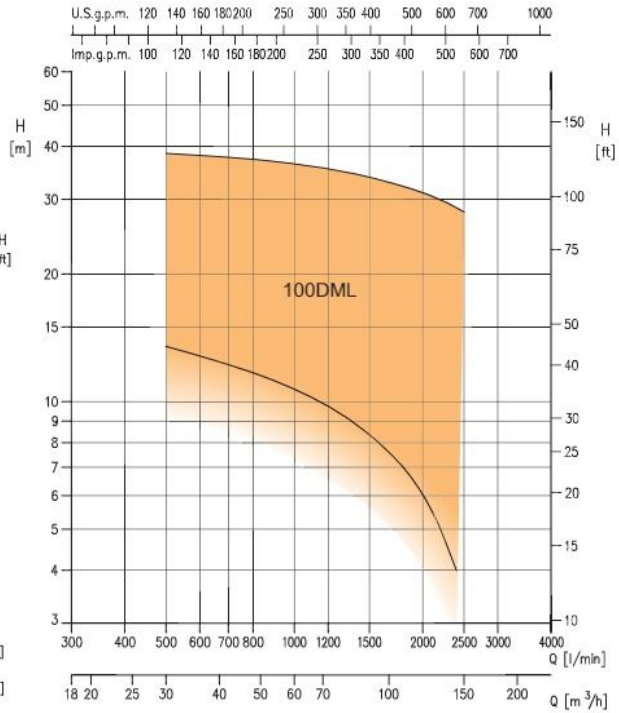
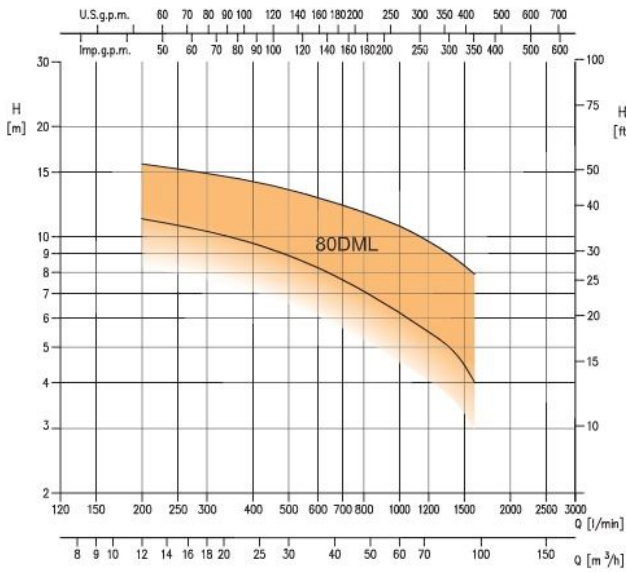
Adaptors
Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**
Adaptor for the use of lowering slide kit (QDC)
Pag. 386 - **Flange adaptor**
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)
Pag. 386 - **Hook guide**
Adaptor (guide pipe) and flange for adaptor



Various accessories
Pag. 387 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**
- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

DML - DMLF

Submersible electric pumps with single channel impeller



DML - DMLF



Submersible electric pumps with single channel impeller

80DML Selection table

Model	HP	kW	Q=Flow rate								
			l/min	200	400	600	800	1000	1200	1400	1600
			m ³ /h	12	24	36	48	60	72	84	96
			H=Total head [m]								
80DML52,2	3	2,2		11,2	9,6	8,2	7,1	6,2	5,5	4,9	4
80DML53,7	5	3,7		15,8	14,2	12,8	11,7	10,7	9,7	8,8	7,9

100DML Selection table

Model	HP	kW	Q=Flow rate								
			l/min	500	1000	1300	1600	1900	2200	2400	2500
			m ³ /h	30	60	78	96	114	132	144	150
			H=Total head [m]								
100DML53,7	5	3,7		13,5	10,7	9,3	7,9	6,5	5,0	4,0	-
100DML55,5	7,5	5,5		17,9	14,9	13,4	11,9	10,6	9,3	8,5	-
100DML57,5	10	7,5		20,6	18,0	16,7	15,5	14,2	13,0	12,1	-
100DML511	15	11		27,5	25,2	23,7	22,2	20,7	19,1	18,0	17,5
100DML515	20	15		33,5	31,3	29,8	28,3	26,7	25,1	24,0	23,4
100DML522	30	22		38,5	36,4	34,9	33,3	31,7	30,0	28,7	28,0

150DML Selection table

Model	HP	kW	Q=Flow rate									
			l/min	1000	2000	2500	3000	3400	4000	4500	5000	5500
			m ³ /h	60	120	150	180	204	240	270	300	330
			H=Total head [m]									
150DML55,5	7,5	5,5		14,9	10,1	8,0	5,9	3,9	-	-	-	-
150DML57,5	10	7,5		18,0	13,7	11,6	9,5	7,5	4,0	-	-	-
150DML511	15	11		25,2	20,2	17,5	14,7	12,2	8,6	5,4	-	-
150DML515	20	15		31,3	26,1	23,4	20,6	18,2	14,8	11,9	8,6	-
150DML522	30	22		36,4	31,1	28,0	25,2	22,9	19,5	16,8	13,8	10,5

50-65DMLF Selection table

Model	HP	kW	Q=Flow rate										
			l/min	117	183	200	300	350	400	500	600	667	750
			m ³ /h	7	11	12	18	21	24	30	36	40	45
			H=Total head [m]										
50DMLF51.4M2BG	1,5	1,4		11,0	9,2	8,7	6,3	5,2	4,2	2,4	-	-	-
65DMLF51.5M2AG	1,5	1,5		-	16,5	16,2	13,7	12,5	11,2	8,5	5,6	3,6	-
65DMLF51.9M2BG	2,5	1,9		-	-	13,4	11,6	10,8	9,9	8,2	6,5	5,4	4

DML - DMLF



Submersible electric pumps with single channel impeller

Three phase 400V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
80DML52,2	2090100004A	3	2,2	1450	5,2	76	80	80,0
80DML53,7*	2090120004A	5	3,7	1450	8,4	76	80	87,0
100DML53,7*	2090120104A	5	3,7	1450	8,4	76	100	89,0
100DML55,5*	2090130004A	7,5	5,5	1450	12,6	76	100	121,0
100DML57,5*	2090140004A	10	7,5	1450	16,9	76	100	125,0
100DML511*	2090160004A	15	11	1450	23,8	76	100	160,0
100DML515*	2090170004A	20	15	1450	31	76	100	166,0
100DML522*	2090190004A	30	22	1450	42	76	100	226,0
150DML55,5*	2090130104A	7,5	5,5	1450	12,6	76	150	127,0
150DML57,5*	2090140104A	10	7,5	1450	16,9	76	150	132,0
150DML511*	2090160104A	15	11	1450	23,8	76	150	166,0
150DML515*	2090170104A	20	15	1450	31	76	150	172,0
150DML522*	2090190104A	30	22	1450	42	76	150	232,0

* Three phase 400/690V - SD start, for the rest of the range DOL start

Single phase 230V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
50DMLF51.4M2BG *	1875000188	1,9	1,4	2850	8,4	30	50	31,0
65DMLF51.5M2AG *	1875000191	2	1,5	2850	9	30	65	42,0
65DMLF51.9M2BG *	1875000193	2,5	1,9	2850	11,4	40	65	45,0

* Required flange or elbow in case of movable installation