

DRS



Submersible sewage electric pumps with open impeller and grinder device inlet

Submersible cast iron pumps fitted with Type Grinder shredder mechanism in AISI 304. The open impeller and the Type grinder shredder mechanism enable the pumps to be used in applications with foul waste waters such as the emptying of septic tanks, sewer or sewage treatment systems.



Possibility to use in fixed and mobile installations



Open impeller and grinder device inlet

Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 420B
Mechanical seal	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR

Technical data

Max. immersion	20 m
Max. temperature of the liquid	40°C
Max. solids passage	6÷7 mm (DRS 40) 8÷10 (DRS 65)
Poles	2
Insulation class	H
Protection degree	IP68
Voltage	Single phase 230V ±10% Three phase 400/690 ±10%

Accessories



Adaptors

- Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**
Adaptor for the use of lowering slide kit (QDC)
- Pag. 386 - **Hook guide**
Adaptor (guide pipe) and flange for adaptor



Various accessories

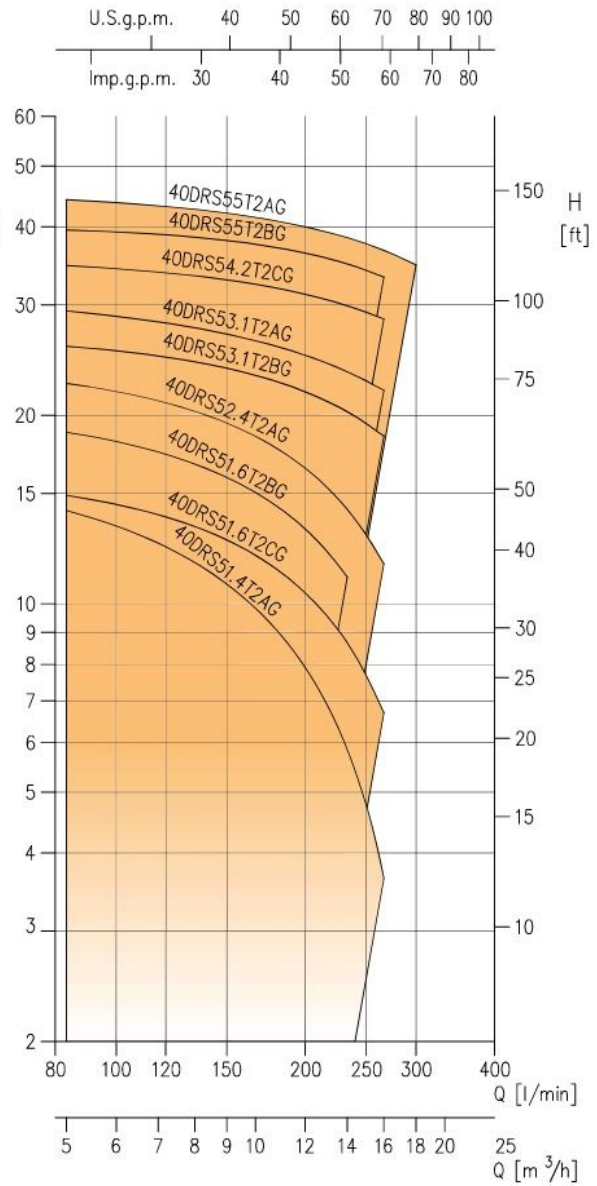
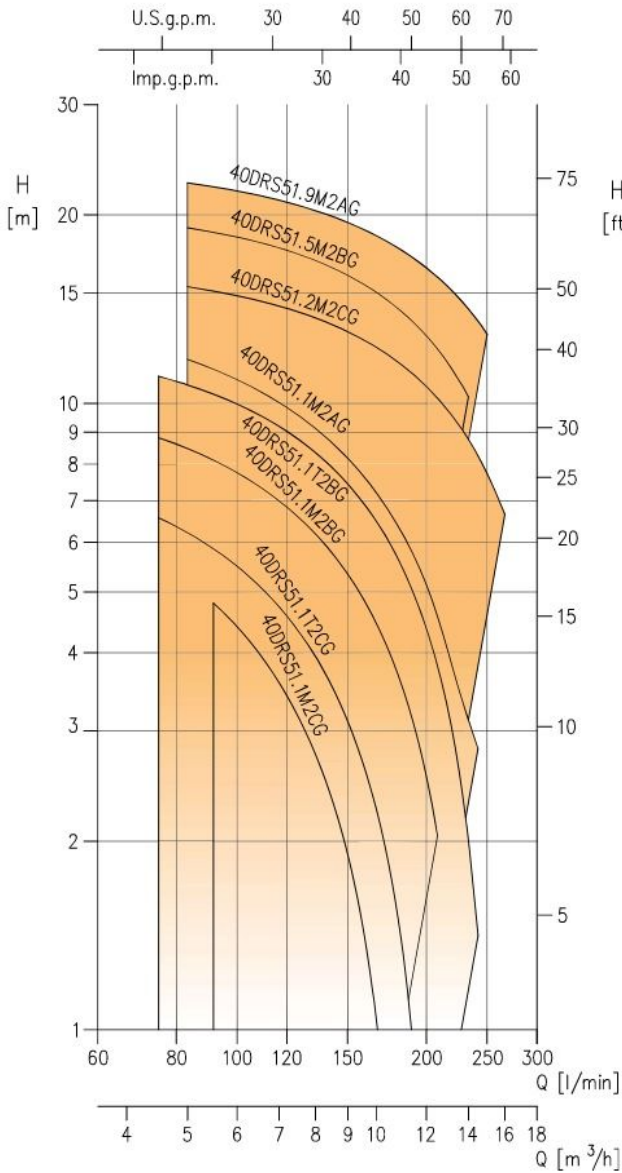
- Pag. 387 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**
- QDC - Quick discharge connection
 - Elbow for discharge
 - Tripod
 - Threaded flange



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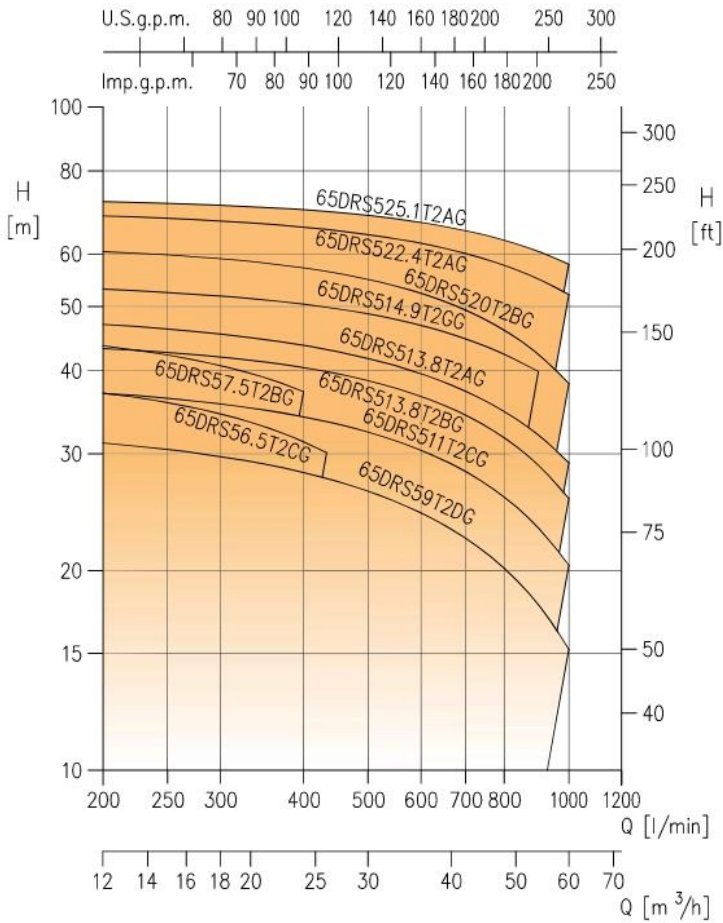


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40DRS Selection table														
Model	HP	kW	Q=Flow rate											
			l/min	75	83	92	150	175	200	208	233	242	250	267
			m ³ /h	4,5	5,0	5,5	9,0	10,5	12,0	12,5	14,0	14,5	15,0	16,0
			H=Total head [m]											
40DRS51.1M2CG	1,5	1,1		-	-	4,8	1,9	0,6	-	-	-	-	-	-
40DRS51.1M2BG	1,5	1,1		8,8	8,5	8,1	5,3	4	2,5	2	-	-	-	-
40DRS51.1M2AG	1,5	1,1		-	11,8	11,3	8,2	6,7	5,1	4,6	3	2,4	-	-
40DRS51.2M2CG	1,6	1,2		-	15,3	15,1	13	11,9	10,6	10,2	8,8	8,3	7,7	6,6
40DRS51.5M2BG	2	1,5		-	19,1	18,7	16	14,5	12,8	12,2	10,3	-	-	-
40DRS51.9M2AG	2,5	1,9		-	22,5	21,2	19,4	18	16,5	15,9	14,2	13,5	12,9	-
40DRS51.1T2CG	1,5	1,1		6,6	6,2	5,9	3,1	1,8	0,4	-	-	-	-	-
40DRS51.1T2BG	1,5	1,1		11	10,7	10,3	7,4	6	4,4	3,8	2	1,4	-	-

40DRS Selection table									
Model	HP	kW	Q=Flow rate						
			l/min	83	150	200	233	267	300
			m ³ /h	5,0	9,0	12,0	14,0	16,0	18,0
			H=Total head [m]						
40DRS51.4T2AG	1,9	1,4		14,1	10,8	7,9	5,9	3,7	-
40DRS51.6T2CG	2,1	1,6		14,9	12,6	10,4	8,7	6,7	-
40DRS51.6T2BG	2,1	1,6		18,8	15,9	13,2	11	-	-
40DRS52.4T2AG	3,2	2,4		22,5	19,4	16,5	14,2	11,6	-
40DRS53.1T2BG	4,2	3,1		25,8	23,8	21,8	20,3	18,5	-
40DRS53.1T2AG	4,2	3,1		29,3	27	24,9	23,5	21,9	-
40DRS54.2T2CG	5,6	4,2		34,7	32,9	31,2	29,9	28,5	-
40DRS55T2BG	6,7	5		39,5	38	36,3	34,9	33,3	-
40DRS55T2AG	6,7	5		44	42	40	38,4	36,7	34,8

65DRS Selection table									
Model	HP	kW	Q=Flow rate						
			l/min	200	400	433	667	900	1000
			m ³ /h	12,0	24,0	26,0	40,0	54,0	60,0
			H=Total head [m]						
65DRS56.5T2CG	8,7	6,5		37	31,3	30,1	-	-	-
65DRS57.5T2BG	10,1	7,5		43,5	37,2	-	-	-	-
65DRS59T2DG	12,1	9		31,1	28,1	27,5	23,1	17,8	15,2
65DRS511T2CG	14,8	11		37	34,1	33,5	28,9	23,2	20,4
65DRS513.8T2BG	18,5	13,8		43	40,5	39,9	35,1	28,8	25,7
65DRS513.8T2AG	18,5	13,8		47	43,5	43	38,1	32	29,1
65DRS514.9T2GG	20,0	14,9		53	50,5	50	45,5	39,8	-
65DRS520T2BG	26,8	20		60,5	57	56,5	50,5	42,5	38,3
65DRS522.4T2AG	30,0	22,4		68,5	66	65,5	61	55	52
65DRS525.1T2AG	33,7	25,1		72	70	69,5	65,5	60,5	58

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Single phase 230V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
40DRS51.1M2BG *	1875000297	1,5	1,1	2754	6,6	6	40	30,0
40DRS51.1M2CG *	1875000298	1,5	1,1	2754	6,6	6	40	30,0
40DRS51.2M2CG *	1875000304	1,5	1,1	2754	6,6	6	40	40,0
40DRS51.5M2BG *	1875000303	2	1,5	2754	9	6	40	40,0
40DRS51.1M2AG *	1875000296	1,5	1,1	2754	6,6	6	40	30,0
40DRS51.9M2AG *	1875000302	2,5	1,9	2773	11,4	6	40	40,0

Pumps supplied with control panel with double capacitor

* Required flange or elbow in case of movable installation

Three phase 400V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
40DRS51.4T2AG **	1875000299	1,9	1,4	2783	2,7	6	40	40,0
40DRS51.1T2BG **	1875000300	1,5	1,1	2783	2,4	6	40	30,0
40DRS51.1T2CG **	1875000301	1,5	1,1	2783	2,4	6	40	30,0
40DRS51.6T2CG **	1875000307	2,1	1,6	2783	3,1	6	40	40,0
40DRS51.6T2BG **	1875000306	2,1	1,6	2783	3,1	6	40	40,0
40DRS52.4T2AG **	1875000305	3,2	2,4	2793	4,5	6	40	40,0
40DRS53.1T2BG **	1875000309	4,2	3,1	2803	5,8	7	40	52,0
40DRS53.1T2AG **	1875000308	4,2	3,1	2803	5,8	7	40	52,0
40DRS54.2T2CG *	1875000312	5,6	4,2	2822	7,7	7	40	67,0
40DRS55T2BG *	1875000311	6,7	5	2842	9,1	7	40	67,0
40DRS55T2AG *	1875000310	6,7	5	2842	9,1	7	40	67,0
65DRS57.5T2BG *	1875000313	10,1	7,5	2842	13,5	8	65	178,0
65DRS56.5T2CG *	1875000314	8,7	6,5	2842	11,8	8	65	178,0
65DRS513.8T2AG *	1875000315	18,5	13,8	2881	24,8	10	65	200,0
65DRS513.8T2BG *	1875000316	18,5	13,8	2881	24,8	10	65	200,0
65DRS511T2CG *	1875000317	14,8	11	2852	19,9	10	65	200,0
65DRS59T2DG *	1875000318	12,1	9	2842	16,2	10	65	198,0
65DRS516.6T2GG *	1875000319	22,3	16,6	2881	29,8	10	65	200,0
65DRS522.4T2AG *	1875000320	30,0	22,4	2891	38,9	10	65	340,0
65DRS520T2BG *	1875000321	26,8	20	2891	35,8	10	65	340,0
65DRS525.1T2AG *	1875000322	33,7	25,1	2891	43,6	10	65	335,0

Tripod or lowering device required for all models

* Three phase 400/690V - DOL-SD start

** Three phase 400V - DOL-SD start