



Dm Series Deep Well Pump



APPLICATION AREA

- For water supply from wells or reservoirs
- For domestic use, for civil and industrial applications
- For garden use and irrigation

ONE YEAR WARRANTY

MOTOR AND PUMP

- Asynchronous motor / oil-filled motor
- Equipped with start control box or digital auto-control box
- Pumps are designed by casing stressed

OPERATING LIMITS

- Maximum fluid temperature up to +40 C
- Maximum sand content: 0.15%
- Maximum immersion: 50m
- Minimum well diameter: 3"/4"

MODEL INSTRUCTION

D m - / - E

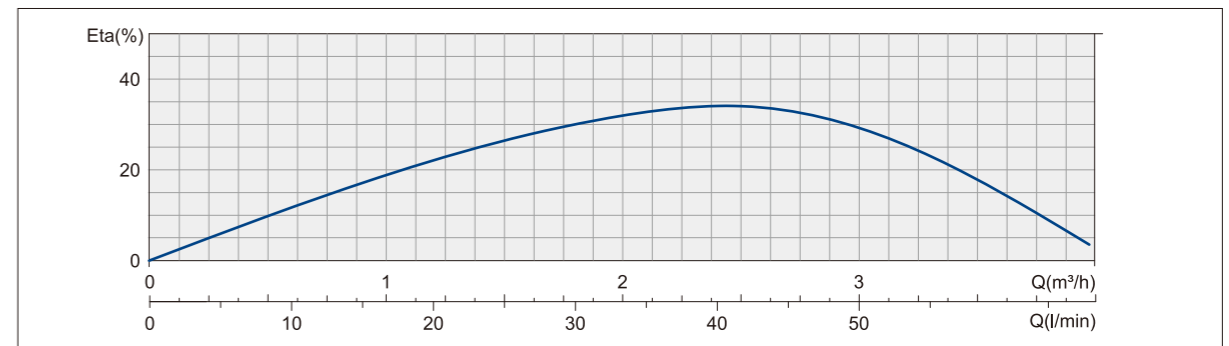
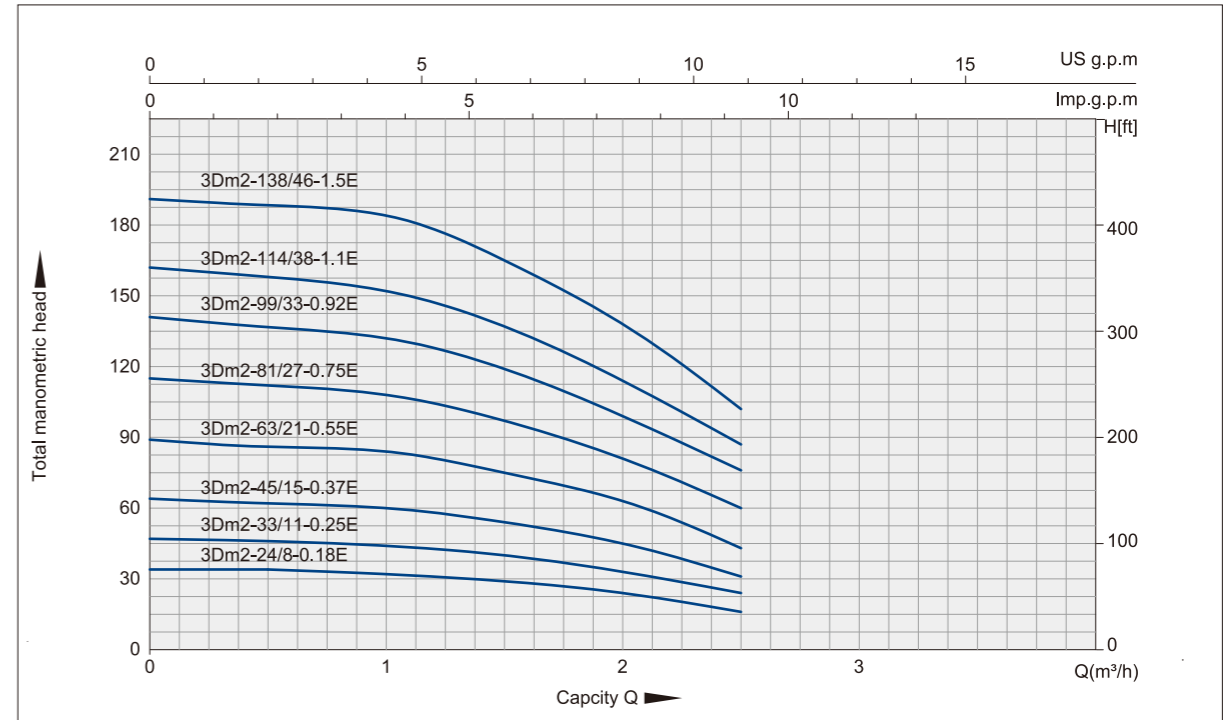
- Coarse thread
- Rated power (kW)
- Number of impellers
- Rated head (m)
- Rated flow (m³/h)
- With m - Single Phase Without m - Three Phase
- Dayuan brand
- Diameter of pump (3")

MODEL ANALYSIS



Component	Material	Component	Material
Pump external casing	①AISI 304 SS ②AISI 201 SS	Motor external casing	①AISI 304 SS ②AISI 201 SS
Pump outlet	①AISI 304 SS ②HT200 ③Cu HPb57-3	Oil chamber	HT200
Pump inlet	①AISI 304 SS ②HT200 ③Cu HPb57-3	Bottom bearing seat	ADC12
Diffuser	Plastic PC	Mechanical seal	Ceramics-graphite
Diffuser cover	Plastic PC	Bottom cover	AISI 304 SS
Impeller	Plastic POM	Shaft	①AISI 304 SS ②2Cr13
Shaft	①AISI 304 SS ②2Cr13	Bearing	①NSK ②C&U
Shaft coupling	①AISI 304 SS ②2Cr13	Seal lubricant oil	10# food-grade lubricant oil

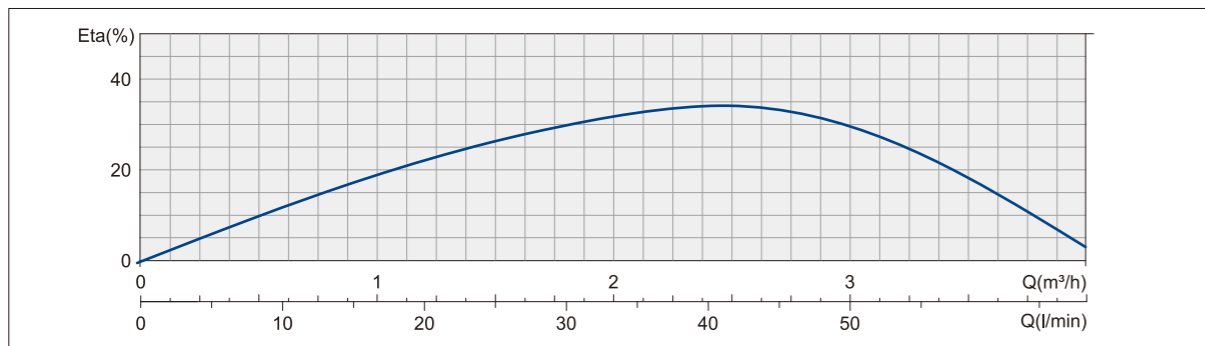
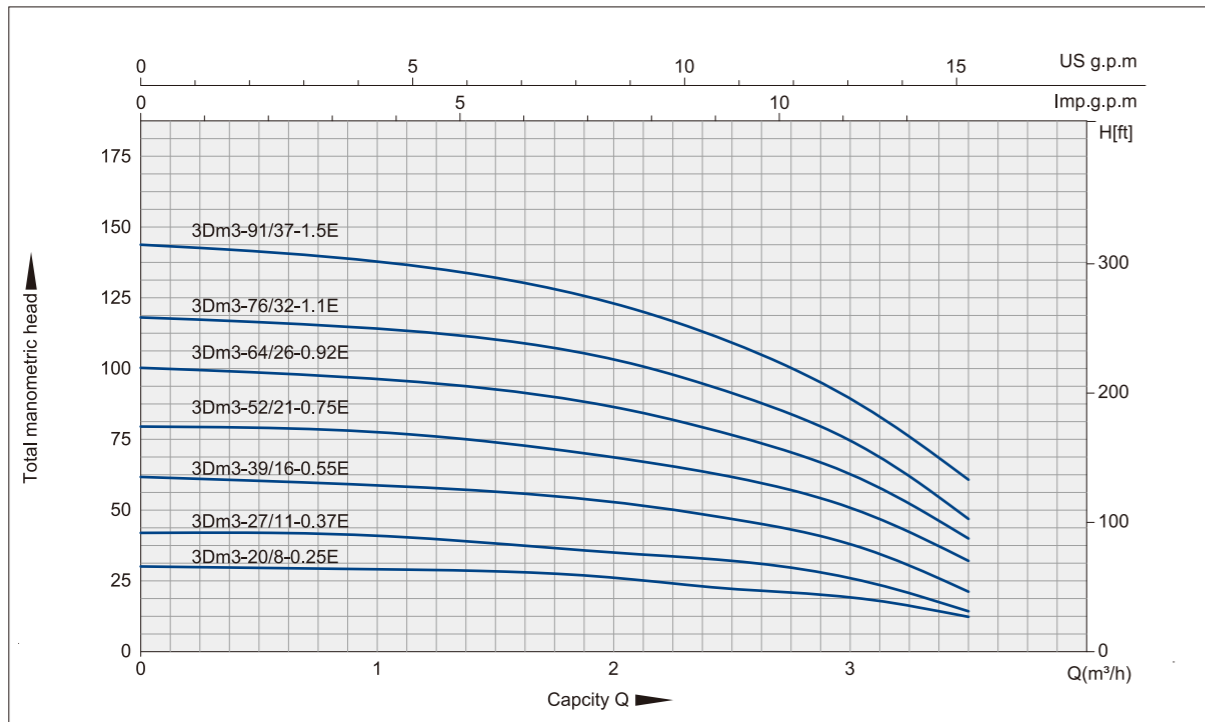
MODEL ANALYSIS



TECHNICAL TABLE n=3000 r/min

Model	Power		Q(m³/h)						
	(kW)	(HP)	0	0.5	1	1.5	2	2.5	
Single phase 220-240V/50Hz			0	8.3	16.7	25	33.3	41.7	
3Dm2-24/8-0.18E	0.18	0.25	34	34	32	29	24	16	
3Dm2-33/11-0.25E	0.25	0.33	47	46	44	40	33	24	
3Dm2-45/15-0.37E	0.37	0.5	64	62	60	54	45	31	
3Dm2-63/21-0.55E	0.55	0.75	89	86	84	75	63	43	
3Dm2-81/27-0.75E	0.75	1.25	115	112	108	97	81	60	
3Dm2-99/33-0.92E	0.92	1.5	141	136	132	119	99	76	
3Dm2-114/38-1.1E	1.1	1.5	162	158	152	137	114	87	
3Dm2-138/46-1.5E	1.5	2	191	187	184	165	138	102	

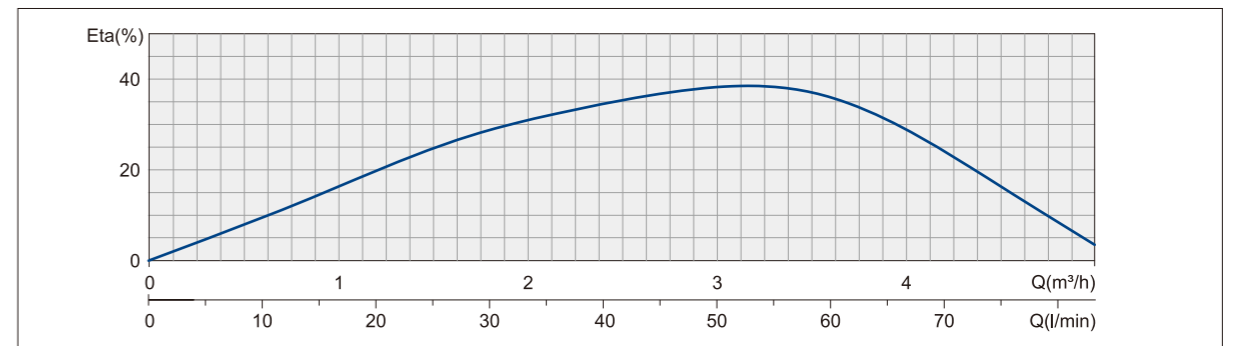
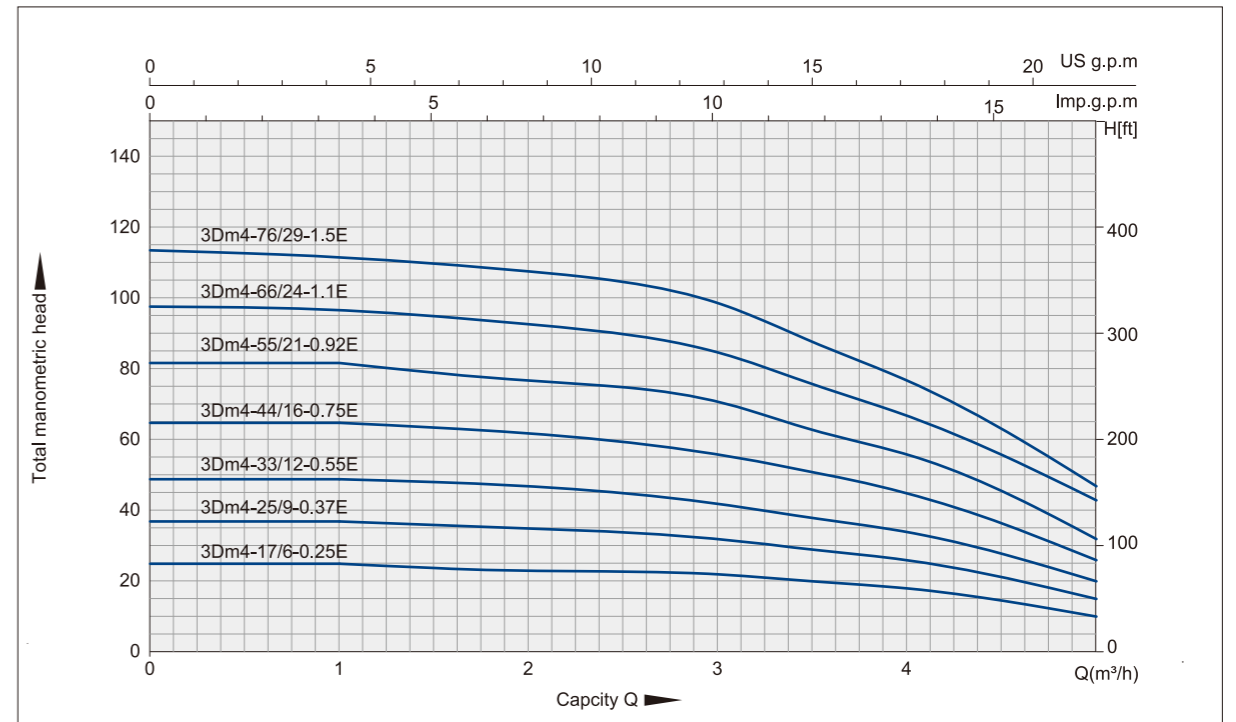
MODEL ANALYSIS



TECHNICAL TABLE n=3000 r/min

Model	Power		Q(m³/h)	Capacity						
	(kW)	(HP)		0	1	2	2.5	3	3.5	
Single phase 220-240V/50Hz			l/min	0	16.7	33.3	41.7	50	58.3	
3Dm3-20/8-0.25E	0.25	0.33	H (m)	31	30	27	23	20	13	
3Dm3-27/11-0.37E	0.37	0.5		43	42	36	33	27	15	
3Dm3-39/16-0.55E	0.55	0.75		63	60	54	48	39	22	
3Dm3-52/21-0.75E	0.75	1.25		81	79	70	63	52	33	
3Dm3-64/26-0.92E	0.92	1.5		102	98	88	78	64	41	
3Dm3-76/32-1.1E	1.1	1.5		120	116	105	93	76	48	
3Dm3-91/37-1.5E	1.5	2		146	140	125	111	91	62	

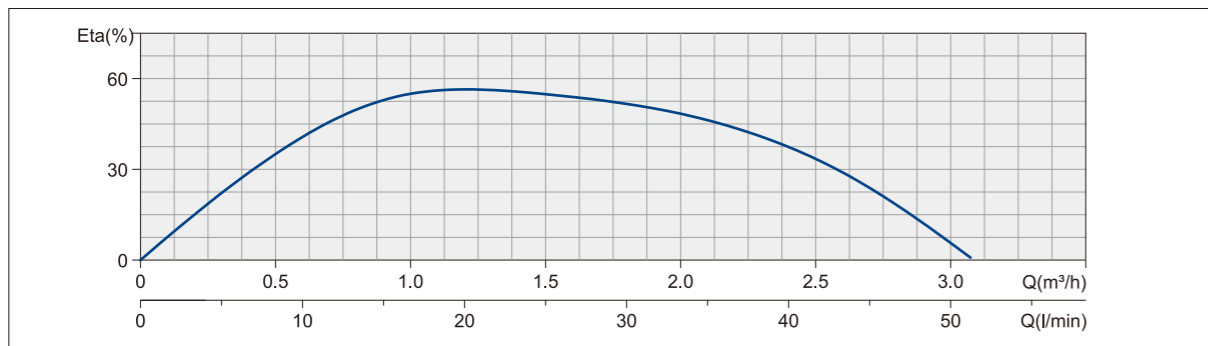
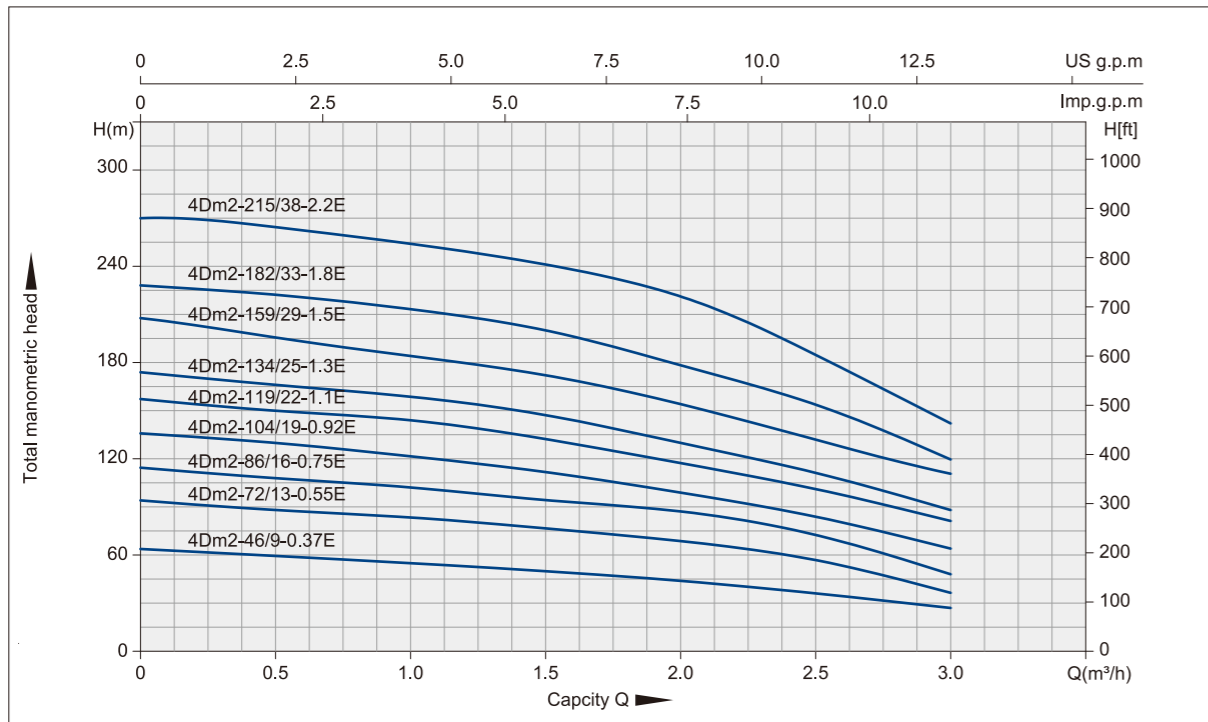
MODEL ANALYSIS



TECHNICAL TABLE n=3000 r/min

Model	Power		Q(m³/h)	Capacity							
	(kW)	(HP)		0	1	2	3	3.5	4	5	
Single phase 220-240V/50Hz			l/min	0	16.7	33.3	50	58.3	66.7	83.3	
3Dm4-17/6-0.25E	0.25	0.33	H (m)	24	24	22	21	19	17	9	
3Dm4-25/9-0.37E	0.37	0.5		36	36	34	31	28	25	14	
3Dm4-33/12-0.55E	0.55	0.75		48	48	46	41	37	33	19	
3Dm4-44/16-0.75E	0.75	1.25		64	64	61	55	50	44	25	
3Dm4-55/21-0.92E	0.92	1.5		81	81	76	70	62	55	31	
3Dm4-66/24-1.1E	1.1	1.5		97	96	92	84	75	66	42	
3Dm4-76/29-1.5E	1.5	2		113	111	107	98	87	76	46	

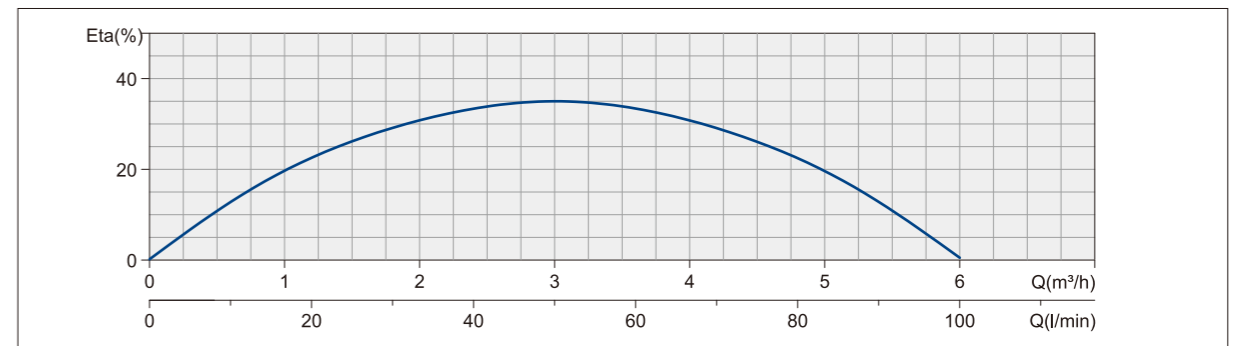
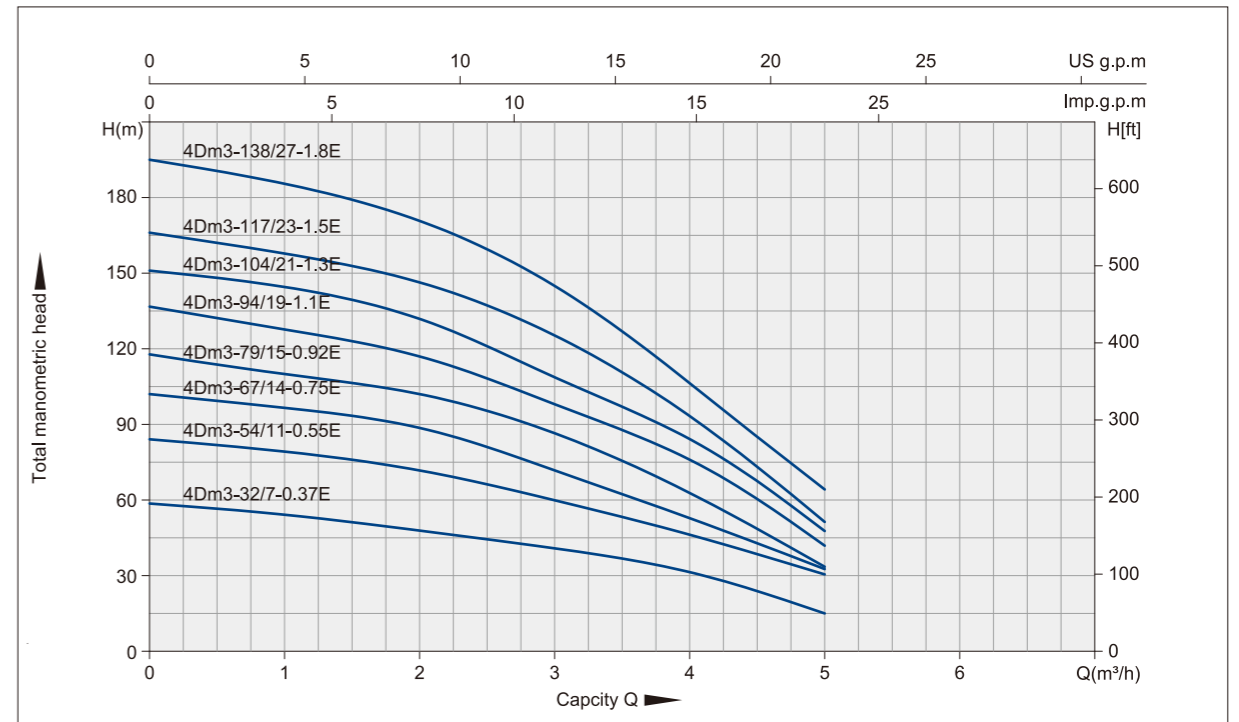
PERFORMANCE CURVES



TECHNICAL TABLE n=3000 r/min

Model	Power (kW)	Power (HP)	Q(m³/h)	0	0.5	1	1.5	2	2.5	3	3.5
Single phase 220-240V/50Hz	Three phase 380-415V/50Hz		l/min	0	8.3	16.7	25	33.3	41.7	50.0	58
4Dm2-46/9-0.37E	4D2-46/9-0.37E	0.37 0.5	H (m)	63	61	58	53	46	40	31	20
4Dm2-72/13-0.55E	4D2-72/13-0.55E	0.55 0.75		93	91	88	81	72	63	49	32
4Dm2-86/16-0.75E	4D2-86/16-0.75E	0.75 1		112	109	105	96	86	75	58	41
4Dm2-104/19-0.92E	4D2-104/19-0.92E	0.92 1.25		137	133	129	117	104	90	71	46
4Dm2-119/22-1.1E	4D2-119/22-1.1E	1.1 1.5		157	152	147	135	119	101	84	57
4Dm2-134/25-1.3E	4D2-134/25-1.3E	1.3 1.75		174	171	163	150	134	113	88	66
4Dm2-159/29-1.5E	4D2-159/29-1.5E	1.5 2		204	199	191	177	159	137	107	79
4Dm2-182/33-1.8E	4D2-182/33-1.8E	1.8 2.5		232	228	220	204	182	156	127	82
4Dm2-215/38-2.2E	4D2-215/38-2.2E	2.2 3		269	265	256	239	215	184	146	96

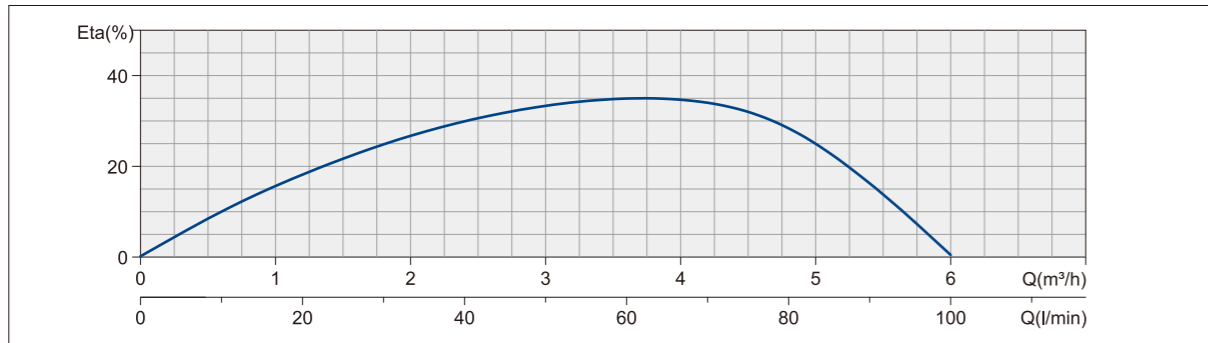
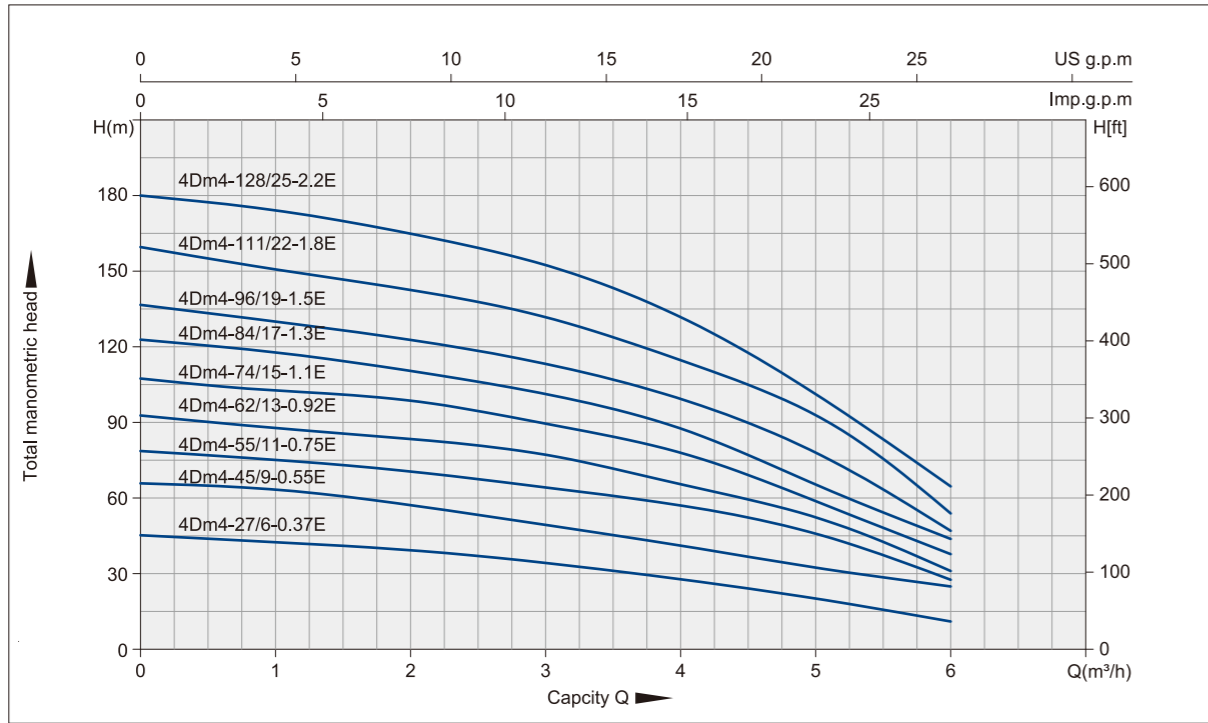
PERFORMANCE CURVES



TECHNICAL TABLE n=3000 r/min

Model	Power (kW)	Power (HP)	Q(m³/h)	0	1	2	3	4	5
Single phase 220-240V/50Hz	Three phase 380-415V/50Hz		l/min	0	17	33	50	67	83
4Dm3-32/7-0.37E	4D3-32/7-0.37E	0.37 0.5	H (m)	46	44	39	32	21	9
4Dm3-54/11-0.55E	4D3-54/11-0.55E	0.55 0.75		74	71	65	54	39	21
4Dm3-67/14-0.75E	4D3-67/14-0.75E	0.75 1		94	90	82	67	48	24
4Dm3-79/15-0.92E	4D3-79/15-0.92E	0.92 1.25		110	104	95	79	55	26
4Dm3-94/19-1.1E	4D3-94/19-1.1E	1.1 1.5		130	124	112	94	66	33
4Dm3-104/21-1.3E	4D3-104/21-1.3E	1.3 1.75		145	138	126	104	74	38
4Dm3-117/23-1.5E	4D3-117/23-1.5E	1.5 2		161	153	141	117	82	43
4Dm3-138/27-1.8E	4D3-138/27-1.8E	1.8 2.5		188	181	166	138	98	52

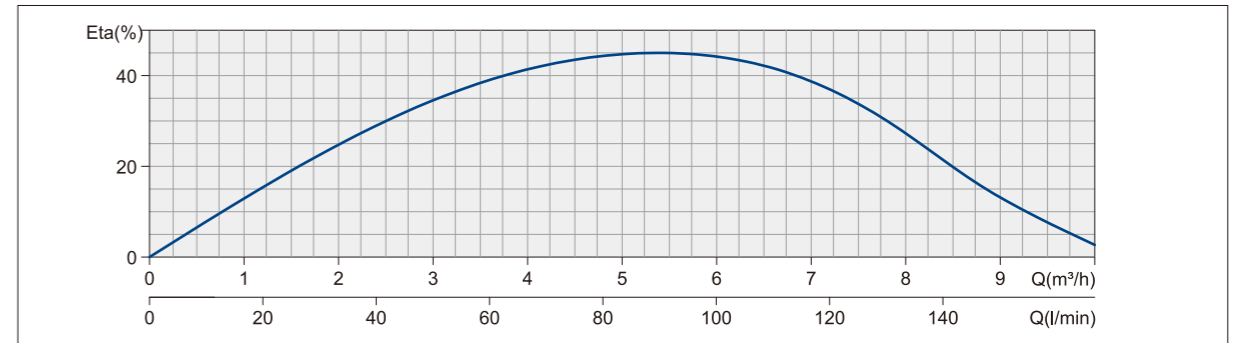
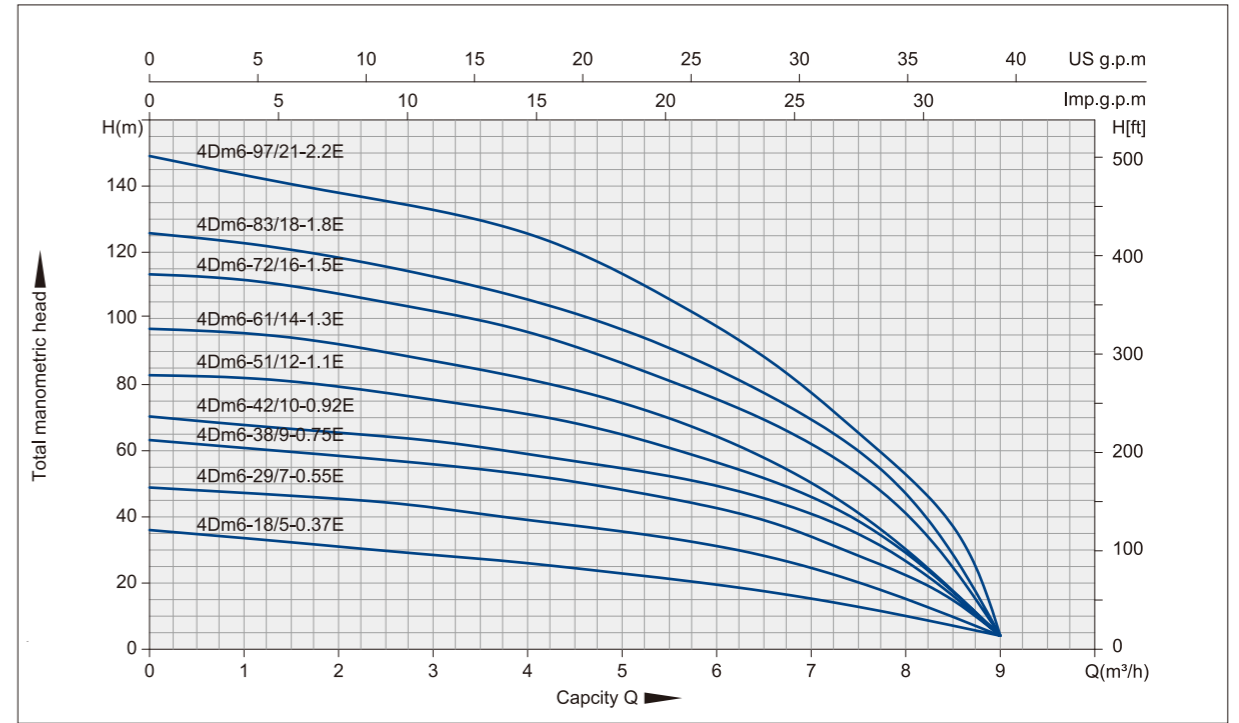
PERFORMANCE CURVES



TECHNICAL TABLE n=3000 r/min

Model	Power (kW)	Power (HP)	Q(m³/h)	0	1	2	3	4	5	6
Single phase 220-240V/50Hz	Three phase 380-415V/50Hz		l/min	0	17	33	50	67	83	100
4Dm4-27/6-0.37E	4D4-27/6-0.37E	0.37 0.5	H (m)	41	39	36	33	27	19	10
4Dm4-45/9-0.55E	4D4-45/9-0.55E	0.55 0.75		64	60	57	53	45	34	21
4Dm4-55/11-0.75E	4D4-55/11-0.75E	0.75 1		78	73	70	65	55	43	27
4Dm4-62/13-0.92E	4D4-62/13-0.92E	0.92 1.25		90	85	81	74	62	47	28
4Dm4-74/15-1.1E	4D4-74/15-1.1E	1.1 1.5		105	100	95	88	74	55	35
4Dm4-84/17-1.3E	4D4-84/17-1.3E	1.3 1.75		121	114	108	99	84	65	40
4Dm4-96/19-1.5E	4D4-96/19-1.5E	1.5 2		134	128	122	112	96	75	46
4Dm4-111/22-1.8E	4D4-111/22-1.8E	1.8 2.5		159	148	141	130	111	88	56
4Dm4-128/25-2.2E	4D4-128/25-2.2E	2.2 3		179	169	163	151	128	99	63

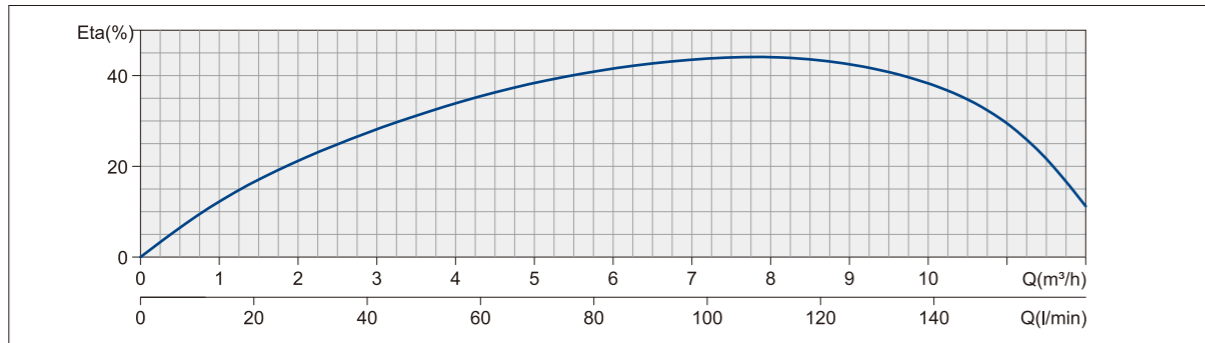
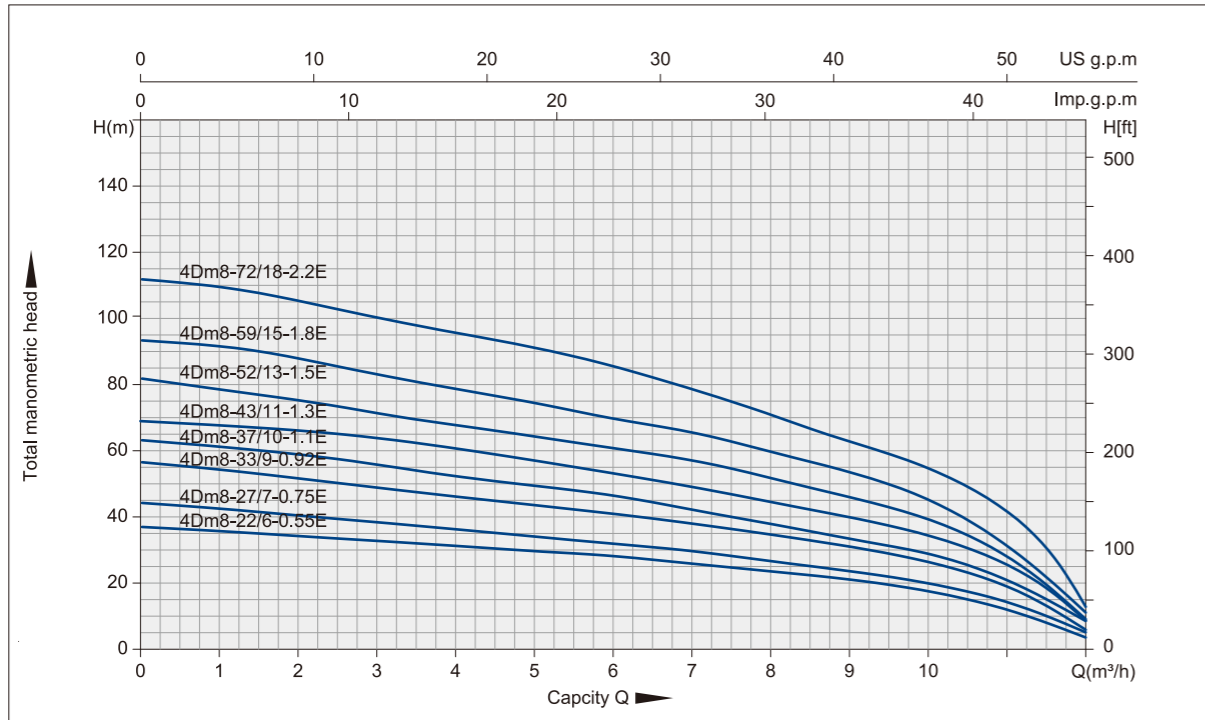
PERFORMANCE CURVES



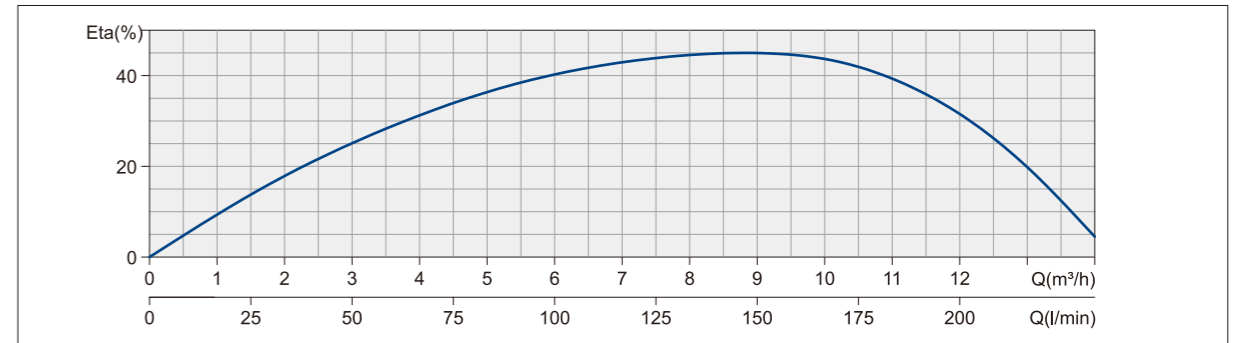
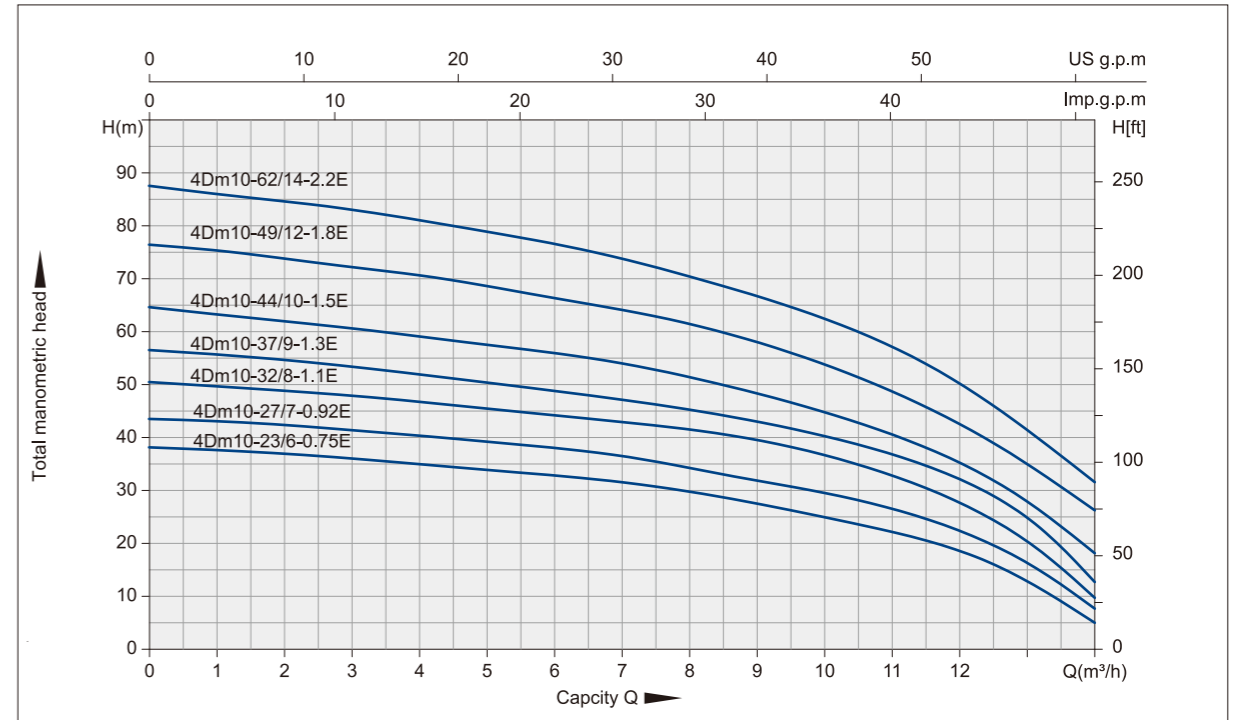
TECHNICAL TABLE n=3000 r/min

Model	Power (kW)	Power (HP)	Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9
Single phase 220-240V/50Hz	Three phase 380-415V/50Hz		l/min	0	20	40	60	80	100	120	140	150
4Dm6-18/5-0.37E	4D6-18/5-0.37E	0.37 0.5	H (m)	33	31	29	27	23	18	12	5	1
4Dm6-29/7-0.55E	4D6-29/7-0.55E	0.55 0.75		47	45	43	40	35	29	21	11	1
4Dm6-38/9-0.75E	4D6-38/9-0.75E	0.75 1		62	58	56	53	47	38	29	18	1
4Dm6-42/10-0.92E	4D6-42/10-0.92E	0.92 1.25		68	64	63	59	52	42	32	20	1
4Dm6-51/12-1.1E	4D6-51/12-1.1E	1.1 1.5		82	78	75	70	62	51	38	22	1
4Dm6-61/14-1.3E	4D6-61/14-1.3E	1.3 1.75		96	92	88	83	74	61	45	29	1
4Dm6-72/16-1.5E	4D6-72/16-1.5E	1.5 2		111	107	103	97	85	72	55	35	1
4Dm6-83/18-1.8E	4D6-83/18-1.8E	1.8 2.5		125	120	116	109	99	83	64	41	1
4Dm6-97/21-2.2E	4D6-97/21-2.2E	2.2 3		147	141	135	129	116	97	75	50	1

PERFORMANCE CURVES



PERFORMANCE CURVES



TECHNICAL TABLE n=3000 r/min

Model	Power (kW) (HP)	Q(m³/h)	H (m)											
			0	1.2	2.4	3.6	4.8	6	7.2	8	8.4	9.6	10.8	12
4Dm8-22/6-0.55E	0.55 0.75	0	20	40	60	80	100	120	130	140	160	180	200	
4Dm8-27/7-0.75E	0.75 1	0	20	40	60	80	100	120	130	140	160	180	200	
4Dm8-33/9-0.92E	0.92 1.25	0	20	40	60	80	100	120	130	140	160	180	200	
4Dm8-37/10-1.1E	1.1 1.5	0	20	40	60	80	100	120	130	140	160	180	200	
4Dm8-43/11-1.3E	1.3 1.75	0	20	40	60	80	100	120	130	140	160	180	200	
4Dm8-52/13-1.5E	1.5 2	0	20	40	60	80	100	120	130	140	160	180	200	
4Dm8-59/15-1.8E	1.8 2.5	0	20	40	60	80	100	120	130	140	160	180	200	
4Dm8-72/18-2.2E	2.2 3	0	20	40	60	80	100	120	130	140	160	180	200	

TECHNICAL TABLE n=3000 r/min

Model	Power (kW) (HP)	Q(m³/h)	H (m)														
			0	1.8	3.6	5.4	7.2	9	10	12.6	13.8	15					
4Dm10-23/6-0.75E	0.75 1	0	30	60	90	120	150	167	210	230	250						
4Dm10-27/7-0.92E	0.92 1.25	0	30	60	90	120	150	167	210	230	250						
4Dm10-32/8-1.1E	1.1 1.5	0	30	60	90	120	150	167	210	230	250						
4Dm10-37/9-1.3E	1.3 1.75	0	30	60	90	120	150	167	210	230	250						
4Dm10-44/10-1.5E	1.5 2	0	30	60	90	120	150	167	210	230	250						
4Dm10-46/11-1.5E	1.5 2	0	30	60	90	120	150	167	210	230	250						
4Dm10-49/12-1.8E	1.8 2.5	0	30	60	90	120	150	167	210	230	250						
4Dm10-62/14-2.2E	2.2 3	0	30	60	90	120	150	167	210	230	250						