



ADE Series 50 HZ

4" Deep Well Submersible Pump

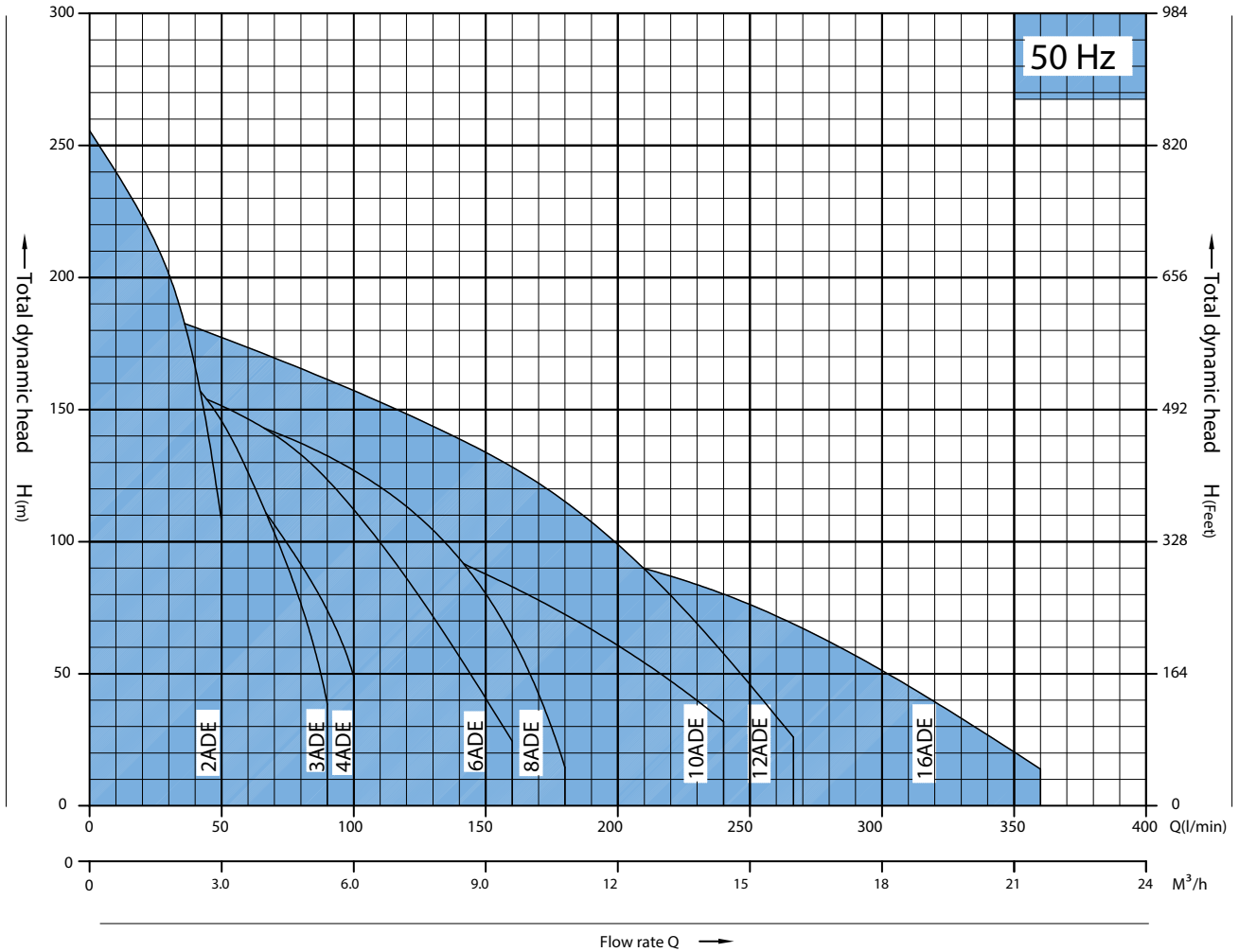


4" SUBMERSIBLE PUMP

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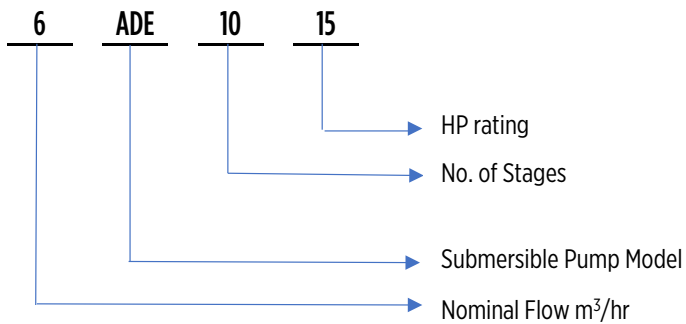


FAMILY CURVES



PRODUCT NUMBERING

6ADE10-15



4" SUBMERSIBLE PUMPS

COVERCO is a long recognized Italian manufacturer of high quality submersible motors with more than 50 years of experience in the industry. FRANKLIN ELECTRIC acquired COVERCO in year 2002, further strengthening COVERCO R&D capability, production capacity, sales and service networks, delivering expanded product portfolio around the globe.

The COVERCO 4" submersible pumps are constructed with high quality material and features floating impeller system. These enable our pumps endure against wear when operating in abrasive and sandy well condition.

APPLICATIONS

- Municipal Water Works
- Water supply from tank, reservoir, and well.
- Residential and agriculture
- Irrigation for various purposes, sprinkler systems
- Domestic water supply
- General Industries

FEATURES

- Excellent resistance against corrosion with fully stainless steel casing; and cast stainless steel pump discharge outlet and bracket.
- Greater tolerance against sand through sophisticated hydraulic design and the use of engineered thermoplastic material for impeller that has superior wear resistance properties.
- Protection against water hammering with built-in check valve.
- Cost effective solution through optimized hydraulic design to enhance overall pumping efficiency to reduce energy consumption.

PUMP SPECIFICATION

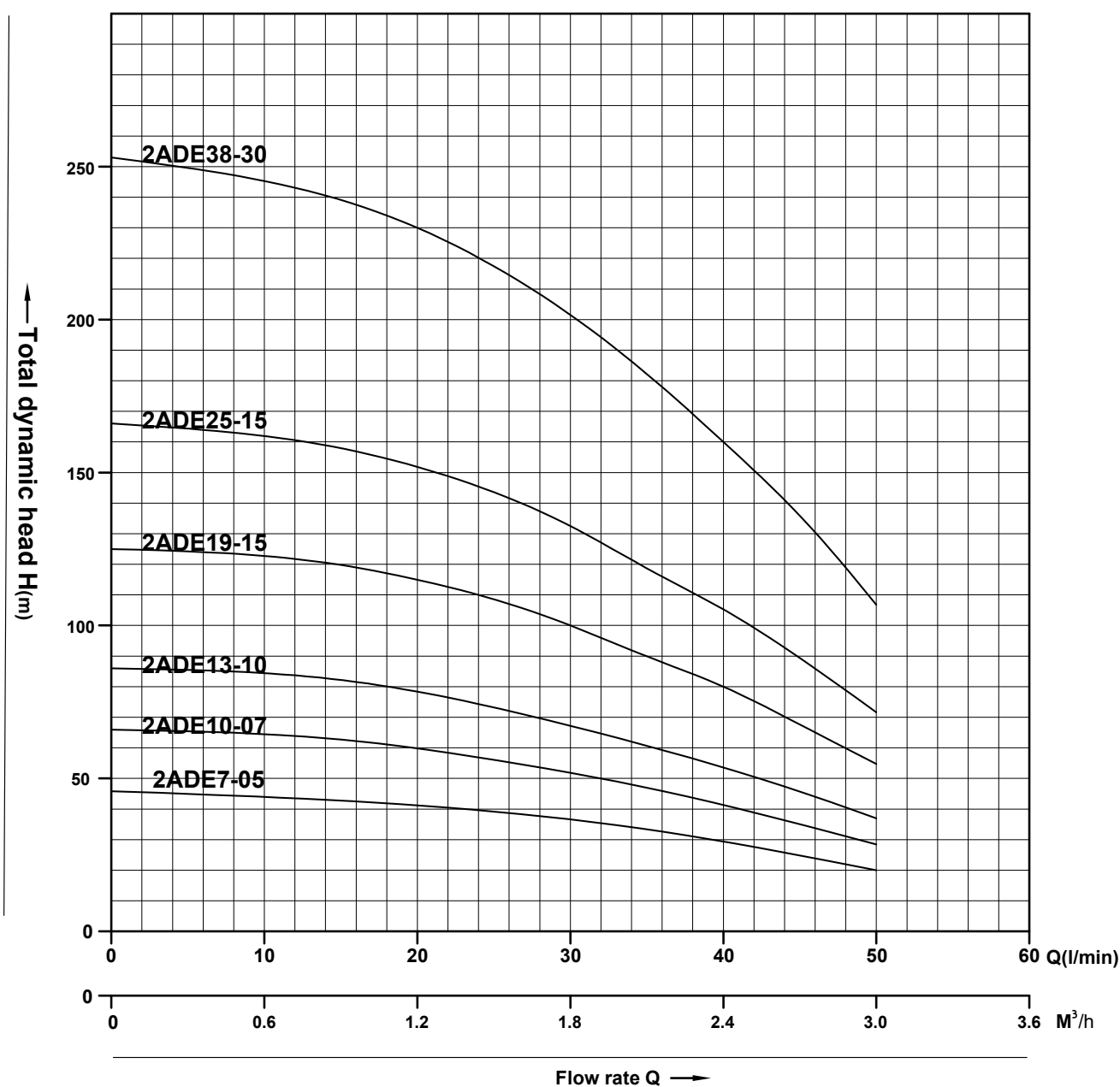
- Flow: up to 24m³/hr, Head up to 250m at 50Hz
- Outlet Size: 1.5" for 2, 3, 4ADE and 2" for 6, 8, 10, 12, 16ADE
- Maximum allowable amount of sand: 400 g/m³
- Maximum Pump diameter: 97mm
- NEMA standard dimensions
- Pump can work continuously in vertical or horizontal positions (requires our consultation to confirm horizontal applications type)

AVAILABLE UPON REQUEST

- Head up to 500m
- Different pump discharge sizes

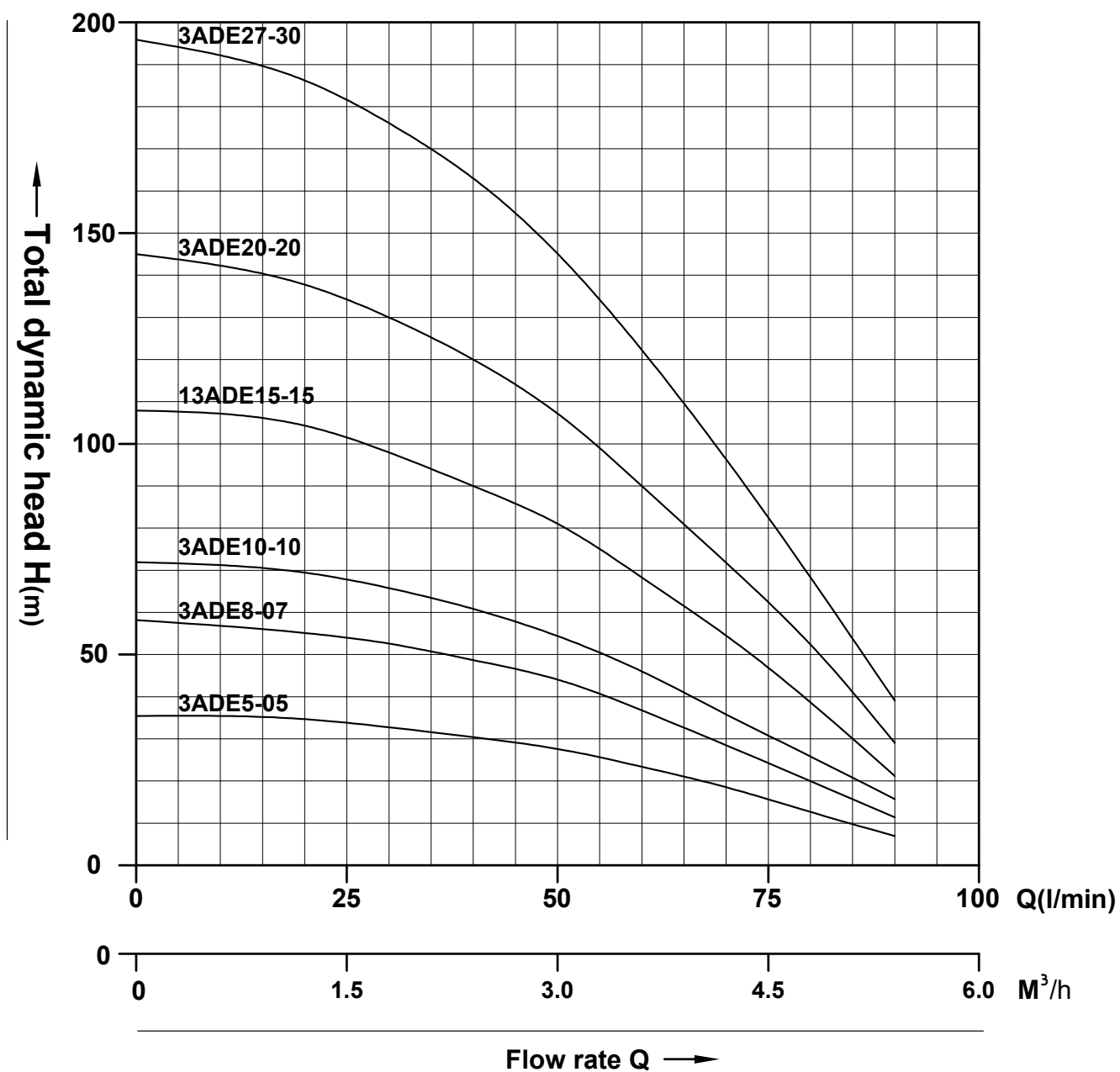


2ADE - PERFORMANCE CURVE AT 50Hz



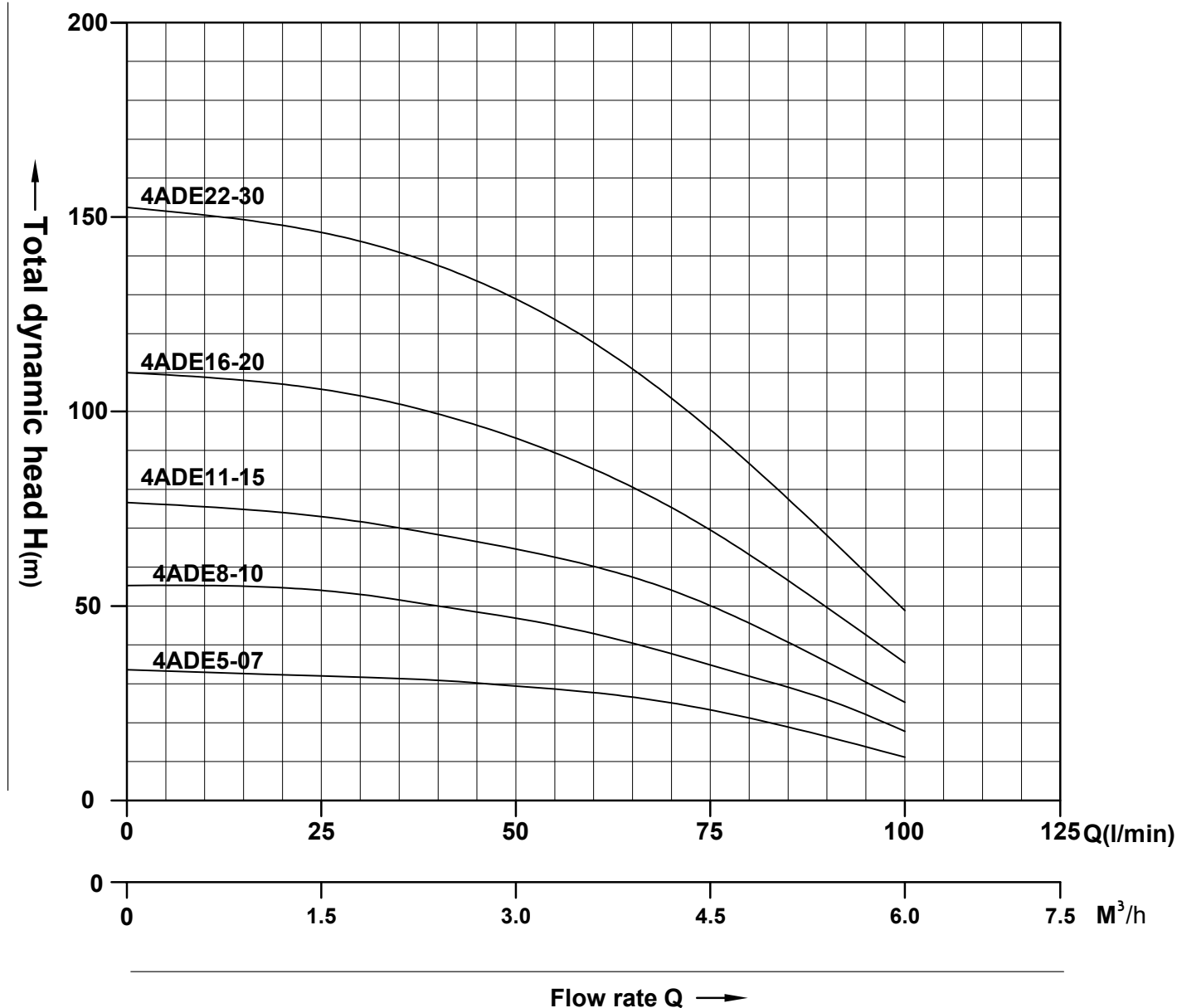
Pump Model	No. of Stages	Motor		Pump	Q m3/h l/min	Delivery								
		KW	HP	Outlet (inch)		0	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
						0	15	20	25	30	35	40	45	50
2ADE7-05	7	0.37	0.5	1.50"	Head H m	46	44	42	40	36	33	29	24	20
2ADE10-07	10	0.55	0.75	1.50"		66	63	60	57	52	47	42	35	28
2ADE13-10	13	0.75	1.00	1.50"		86	82	78	74	68	61	55	45	37
2ADE19-15	19	1.10	1.50	1.50"		126	120	115	109	100	90	80	67	54
2ADE25-15	25	1.50	2.00	1.50"		166	158	151	143	132	119	105	89	71
2ADE38-30	38	2.20	3.00	1.50"		252	240	230	218	201	181	160	135	108

3ADE - PERFORMANCE CURVE AT 50Hz



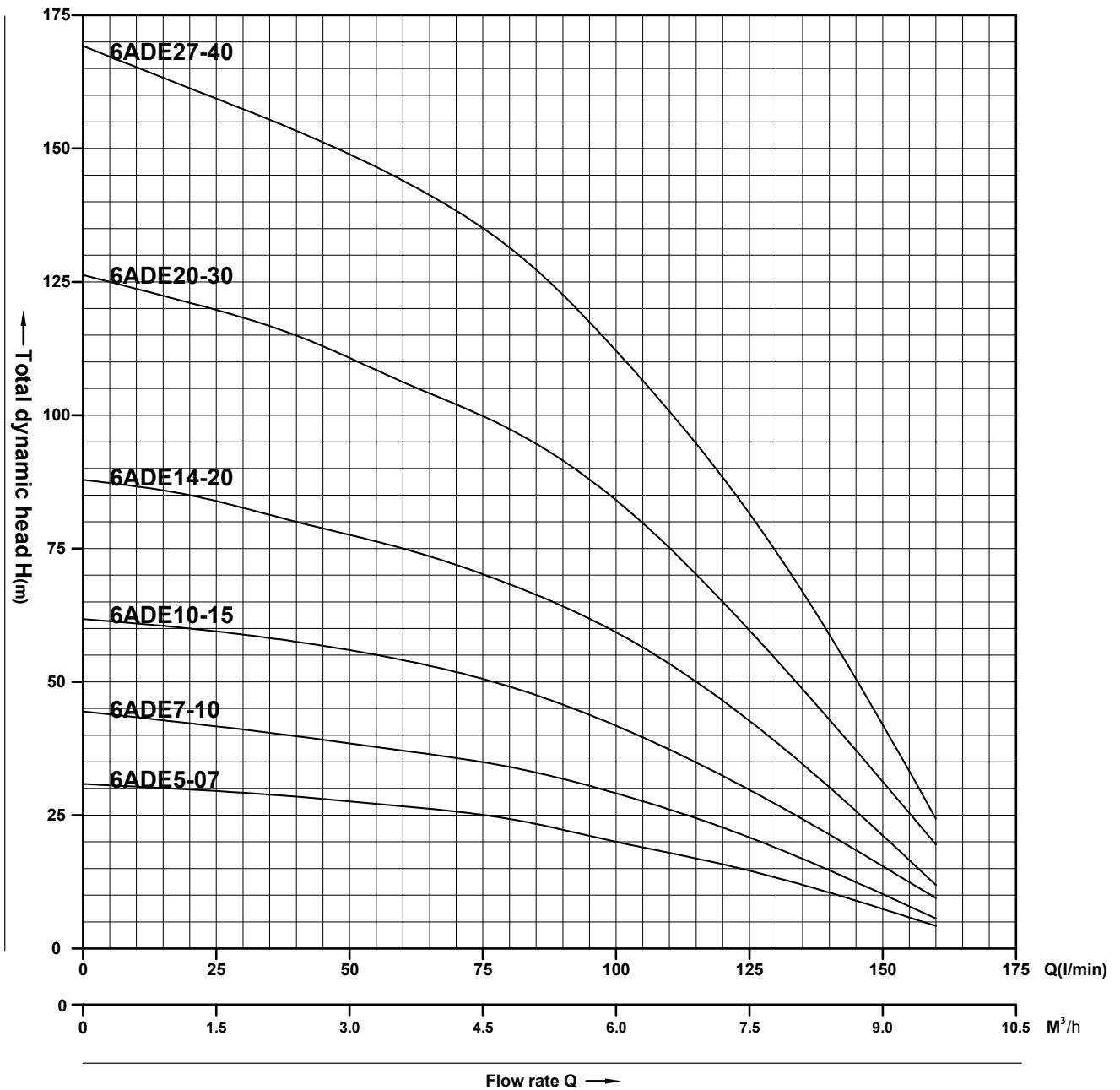
Pump Model	N. of Stages	Motor		Pump	Q m3/h l/min	Delivery								
		KW	HP	Outlet (inch)		0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
						0	20	30	40	50	60	70	80	90
3ADE5-05	5	0.37	0.50	1.50"	Head H m	36	34	32	30	27	23	18	13	7
3ADE8-07	8	0.55	0.75	1.50"		58	55	52	48	43	36	28	20	11
3ADE10-10	10	0.75	1.00	1.50"		72	69	65	60	53	45	35	25	14
3ADE15-15	15	1.10	1.50	1.50"		109	104	98	90	81	68	53	39	22
3ADE20-20	20	1.50	2.00	1.50"		145	138	130	120	108	90	70	52	29
3ADE27-30	27	2.20	3.00	1.50"		196	186	176	162	145	122	95	70	39

4ADE- PERFORMAMANCE CURVE AT 50Hz



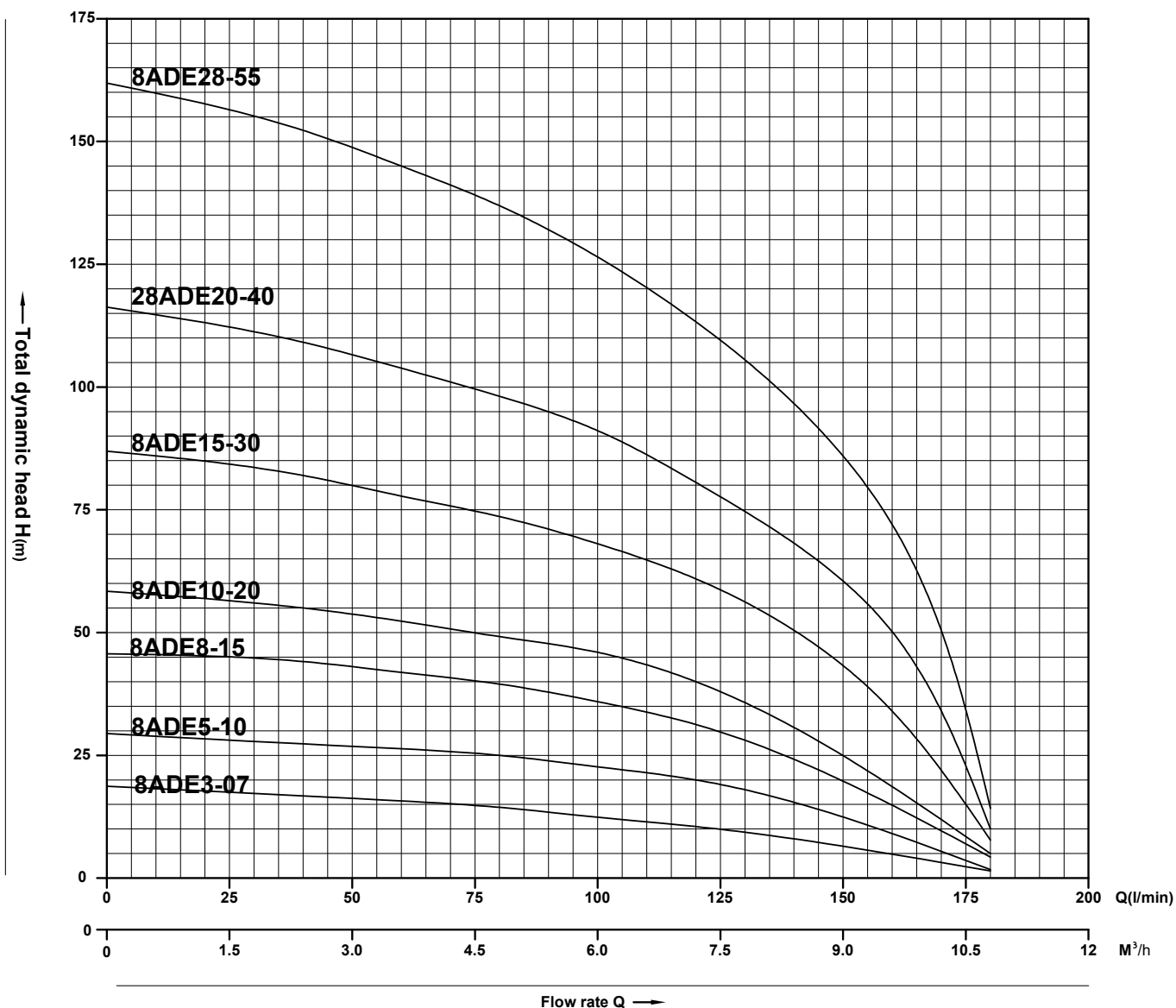
Pump Model	N. of Stages	Motor		Pump	Q m3/h l/min	Delivery								
		KW	HP	Outlet (inch)		0	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
						0	30	40	50	60	70	80	90	100
4ADE5-07	5	0.55	0.75	1.50"	Head H m	34	32	31	29	27	24	19	16	11
4ADE8-10	8	0.75	1.00	1.50"		55	52	49	47	44	38	31	25	18
4ADE11-15	11	1.10	1.50	1.50"		76	71	67	65	60	53	43	34	24
4ADE16-20	16	1.50	2.00	1.50"		110	104	98	94	86	76	62	49	36
4ADE22-30	22	2.20	3.00	1.50"		151	143	134	130	119	104	85	68	49

6ADE - PERFORMAMANCE CURVE AT 50Hz



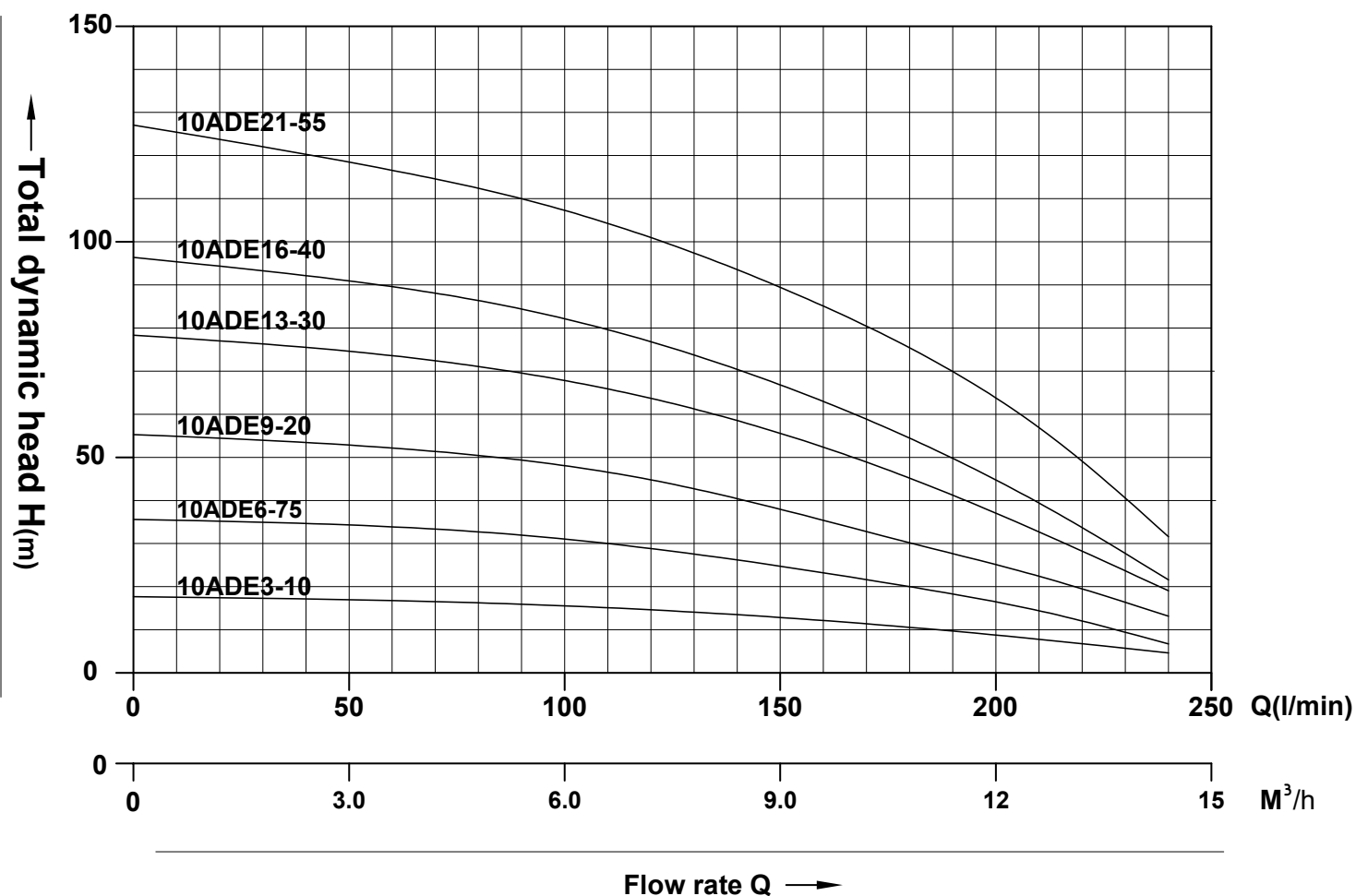
Pump Model	N. of Stages	Motor		Pump	Q m3/h l/min	Delivery								
		KW	HP	Outlet (inch)		0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6
						0	20	40	60	80	100	120	140	160
6ADE5-07	5	0.55	0.75	2"	Head H m	31	30	28	26	24	20	16	10	4
6ADE7-10	7	0.75	1.00	2"		44	42	39	37	34	29	23	14	6
6ADE10-15	10	1.10	1.50	2"		63	60	56	54	49	42	33	21	9
6ADE14-20	14	1.50	2.00	2"		88	85	78	75	68	59	46	30	13
6ADE20-30	20	2.20	3.00	2"		126	121	112	107	98	84	65	43	19
6ADE27-40	27	3.00	4.00	2"		169	162	152	144	132	112	88	56	24

8ADE - PERFORMAMANCE CURVE AT 50Hz



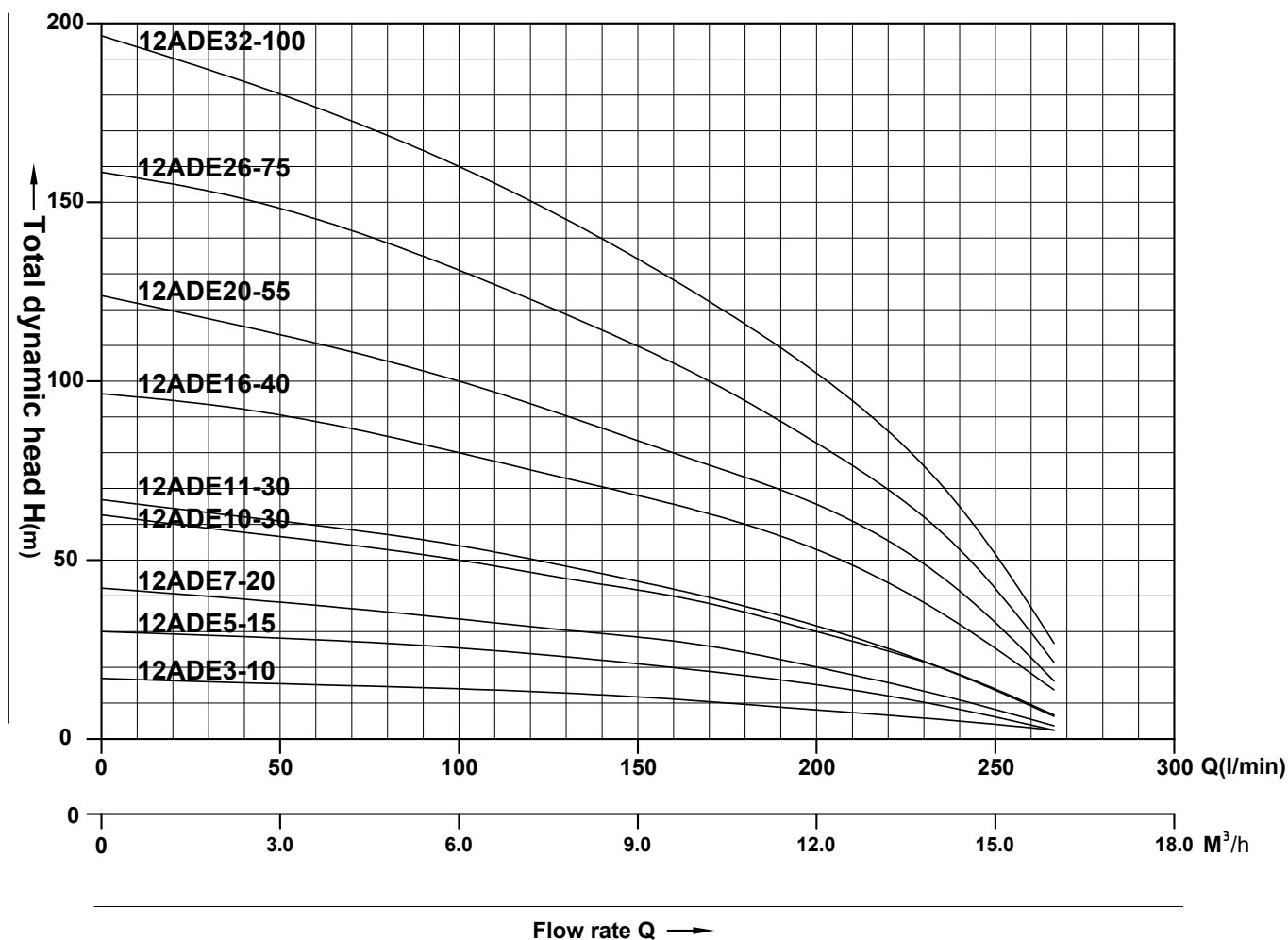
Pump Model	N. of Stages	Motor		Pump	Q m3/h l/min	Delivery								
		KW	HP	Outlet (inch)		0	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8
						0	40	60	80	100	120	140	160	180
8ADE3-07	3	0.55	0.75	2"	Head H m	18	16	15	14	13	12	10	7	2
8ADE5-10	5	0.75	1.00	2"		29	27	26	25	23	20	17	13	3
8ADE8-15	8	1.10	1.50	2"		46	44	41	39	36	32	27	21	4
8ADE10-20	10	1.50	2.00	2"		58	55	52	49	45	41	35	25	5
8ADE15-30	15	2.20	3.00	2"		87	82	78	74	68	61	51	39	8
8ADE20-40	20	3.00	4.00	2"		116	109	103	98	91	81	69	52	10
8ADE28-55	28	4.00	5.50	2"		162	153	145	137	127	114	96	72	14

10ADE- PERFORMANCE CURVE AT 50Hz



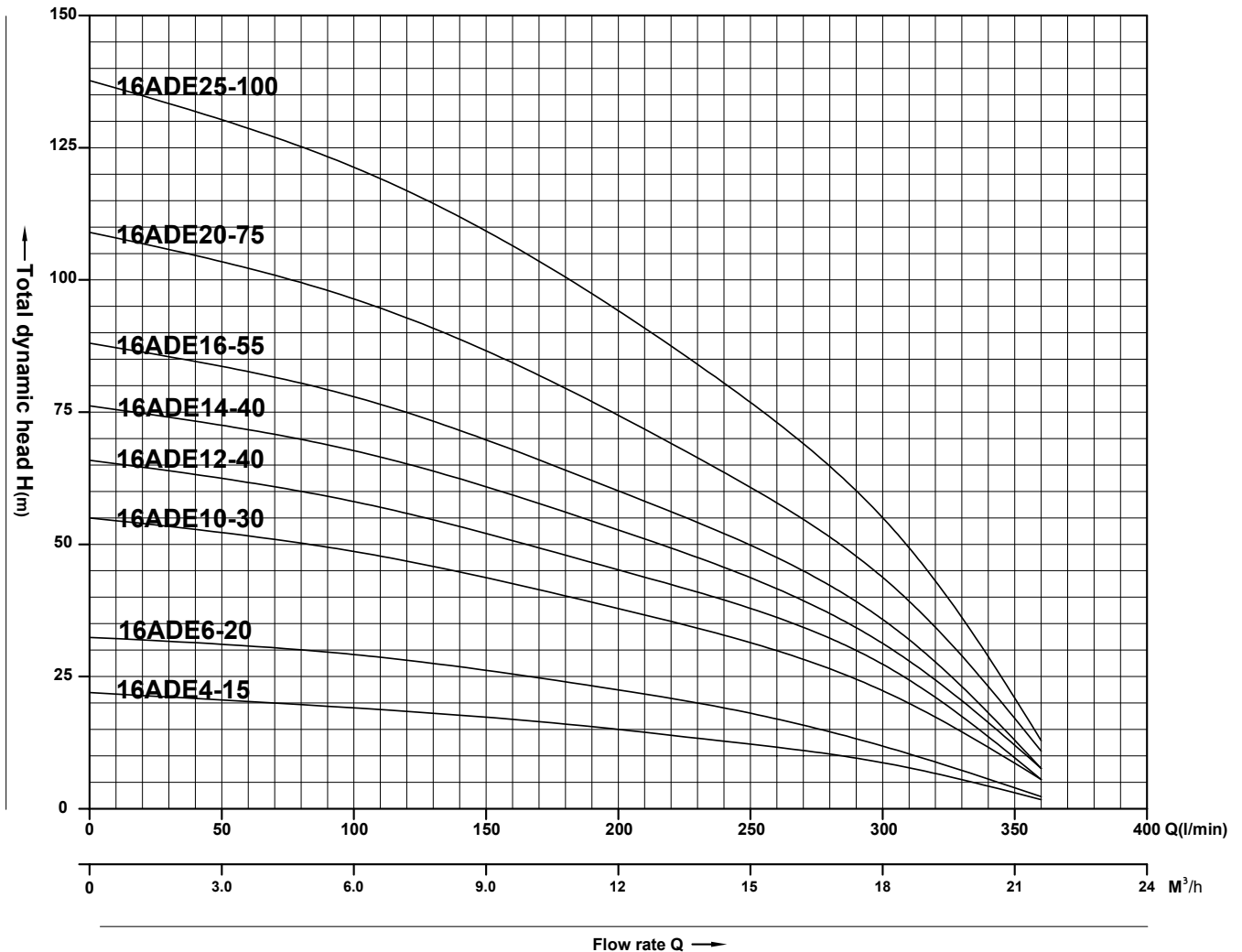
Pump Model	N. of Stages	Motor		Pump	Q — m3/h l/min	Delivery								
		KW	HP	Outlet (inch)		0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
						0	30	60	90	120	150	180	210	240
10ADE3-10	3	0.75	1.00	2"	Head H m	18	17	16	15	14	12	9	7	4
10ADE6-15	6	1.10	1.50	2"		36	35	33	31	29	24	18	14	8
10ADE9-20	9	1.50	2.00	2"		55	53	50	47	43	37	28	22	13
10ADE13-30	13	2.20	3.00	2"		79	77	72	68	63	54	41	37	19
10ADE16-40	16	3.00	4.00	2"		96	93	89	84	78	66	50	38	22
10ADE21-55	21	4.00	5.50	2"		128	124	116	110	102	87	66	57	31

12ADE- PERFORMAMANCE CURVE AT 50Hz



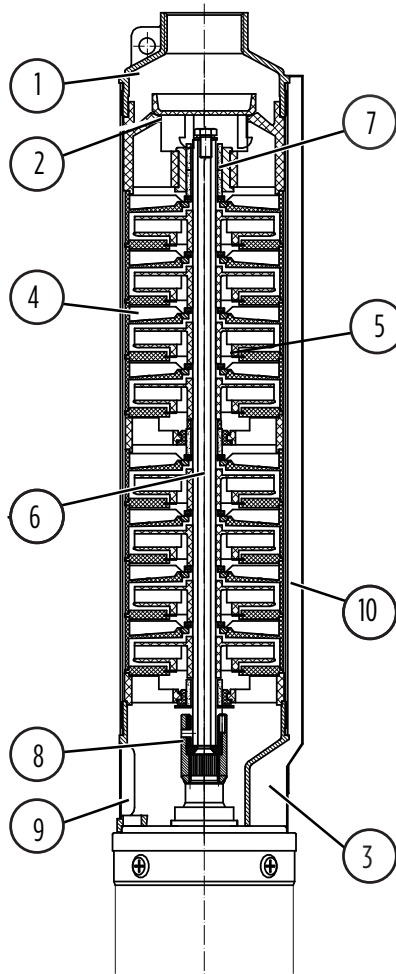
Pump Model	N. f Stages	Motor		Pump	Q m3/h l/min	Delivery								
		KW	HP	Outlet (inch)		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
						0	33	67	100	133	167	200	233	267
12ADE3-10	3	0.75	1.00	2"	Head H m	18	17	16	14	13	11	8	5	2
12ADE5-15	5	1.10	1.50	2"		30	28	26	24	21	18	14	9	2
12ADE7-20	7	1.50	2.00	2"		42	39	37	33	30	25	19	12	3
12ADE10-30	10	2.20	3.00	2"		61	58	53	49	44	38	30	20	6
12ADE11-30	11	2.20	3.00	2"		66	62	58	53	47	40	31	20	5
12ADE16-40	16	3.00	4.00	2"		98	93	86	80	71	62	51	36	13
12ADE20-55	20	4.00	5.50	2"		123	116	108	100	89	78	64	45	16
12ADE26-75	26	5.50	7.50	2"		159	151	140	130	115	101	83	59	21
12ADE32-100	32	7.50	10.00	2"		196	186	172	160	142	124	102	72	26

16ADE - PERFORMAMANCE CURVE AT 50Hz



Pump Model	Type	N. of Stages	Motor		Pump	Q m3/h l/min	Delivery								
			KW	HP	Outlet (inch)		0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	21.6
							0	100	130	165	200	230	265	300	360
16ADE4-15	SS 16-4	4	1.10	1.50	2"	Head H m	22	19	17	15	14	13	11	9	2
16ADE6-20	SS 16-6	6	1.50	2.00	2"		33	29	27	23	22	20	16	13	3
16ADE10-30	SS 16-10	10	2.20	3.00	2"		55	48	45	39	37	34	28	23	6
16ADE12-40	SS 16-12	12	3.00	4.00	2"		66	58	54	47	44	41	33	27	6
16ADE14-40	SS 16-14	14	3.70	4.00	2"		76	68	62	55	52	47	39	31	8
16ADE16-55	SS 16-16	16	4.00	5.50	2"		88	77	72	62	58	55	45	36	8
16ADE20-75	SS 16-20	20	5.50	7.50	2"		109	96	89	78	73	68	56	45	11
6ADE25-100	SS 16-25	25	7.50	10.00	2"		137	121	112	97	91	85	71	56	13

Material of Construction



No.	4" SS Pump Parts	Materials
1	Discharge Head	Casted Stainless Steel
2	Non Return Valve	Polycarbonate
3	Bottom Bracket (Motor Adapter)	Casted Stainless Steel
4	Impeller	Polyformaldehyde (POM)
5	Diffuser	Polycarbonate with Ceramic Insert
6	Shaft	Stainless Steel
7	Bearing	N.B.R.
8	Coupling	Stainless Steel
9	Filter	Stainless Steel
10	Cable Guard	Stainless Steel

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