COVERCO®



ADE Series

4" Deep Well Submersible Pump

Franklin Electric

franklinwatersea.com

4" SUBMERSIBLE PUMP

Family Curves.....3
Model Numbering.....3
Submersible Pump Application and Features.....4

4ADE2.....5
Performance Curve

4ADE3.....6
Performance Curve

4ADE4.....7
Performance Curve

4ADE6.....8
Performance Curve

4ADE8.....9
Performance Curve

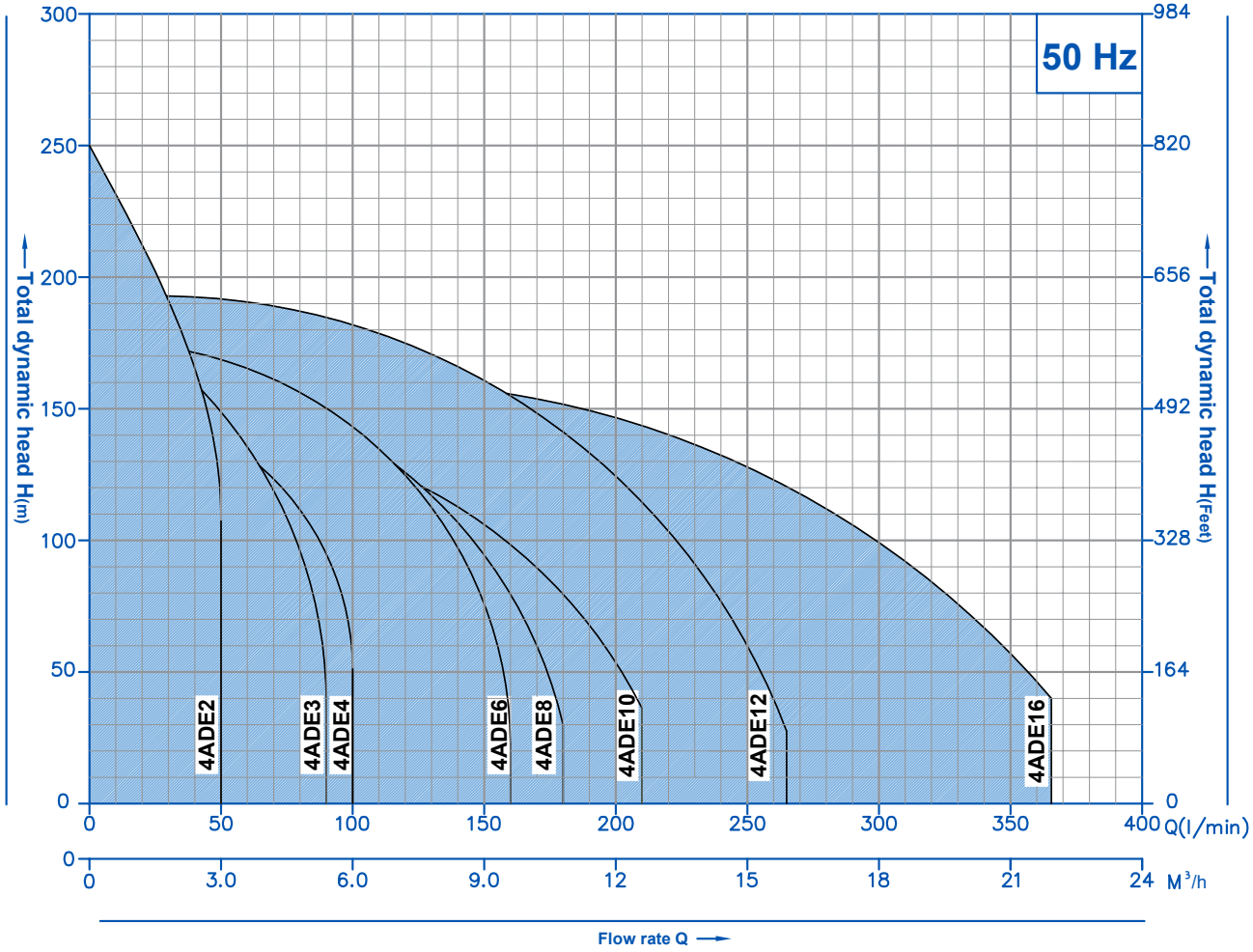
4ADE10.....10
Performance Curve

4ADE12.....11
Performance Curve

4ADE16.....12
Performance Curve

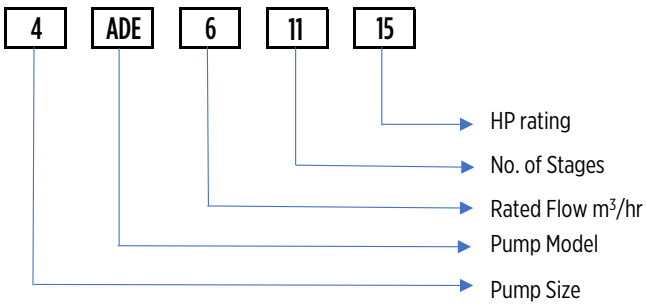
Material of Construction.....13

FAMILY CURVES



PRODUCT NUMBERING

4ADE6-11/15



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.

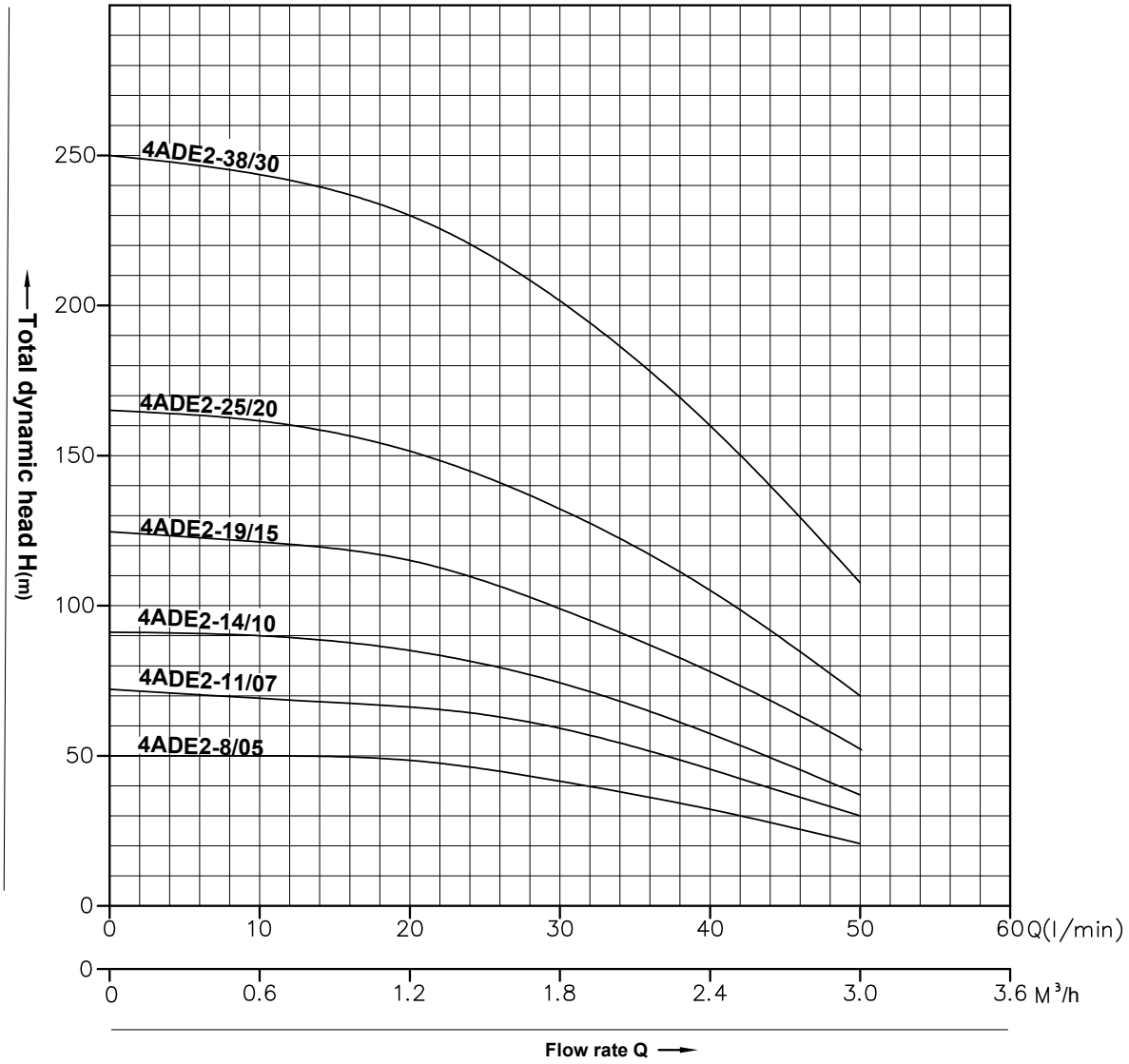
PUMP SPECIFICATION

- Flow: up to 24m^3/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/m^3
- 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

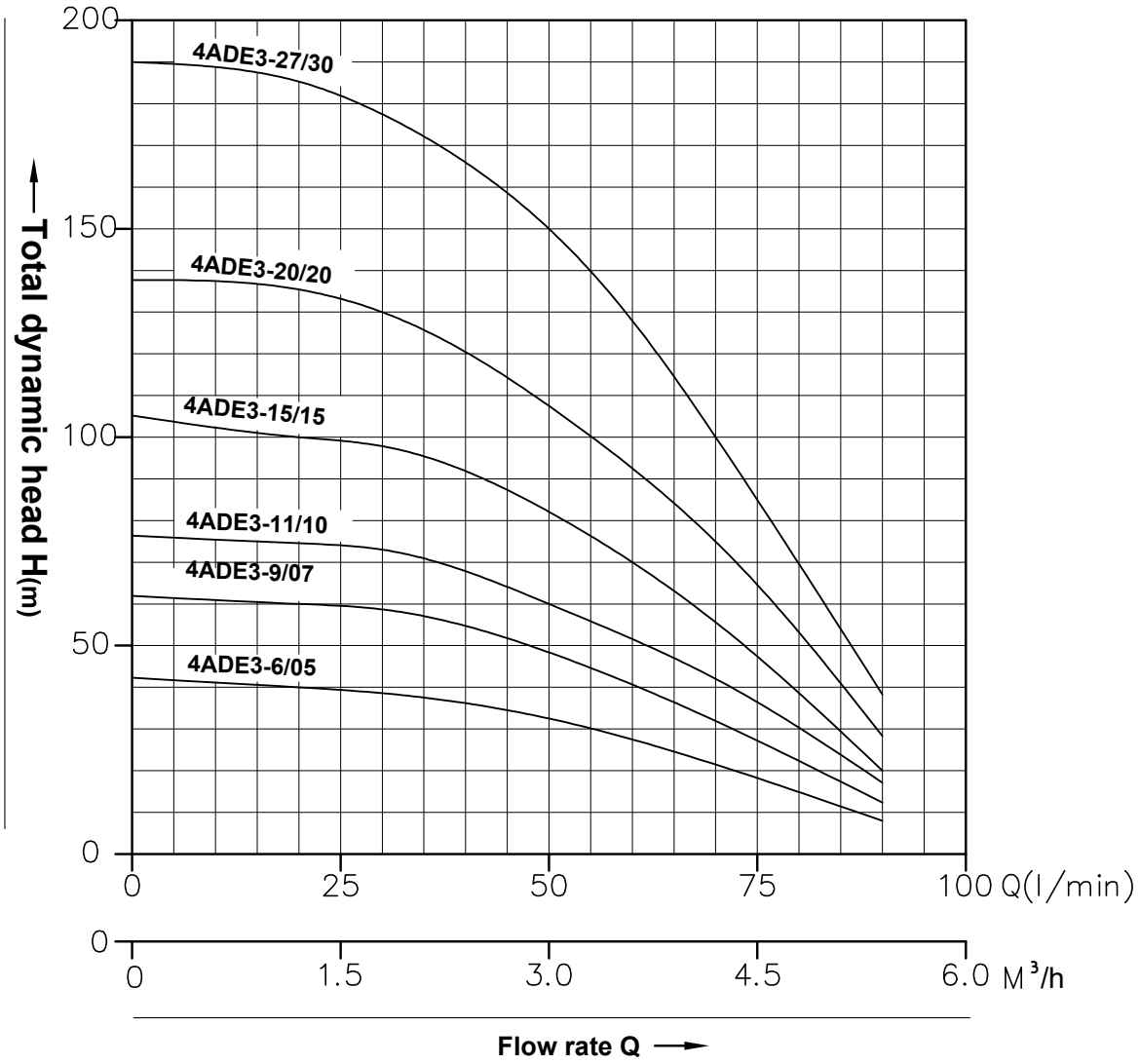
- Head up to 500m
- Different pump discharge sizes

4ADE2 - PERFORMAMANCE CURVE AT 50 Hz



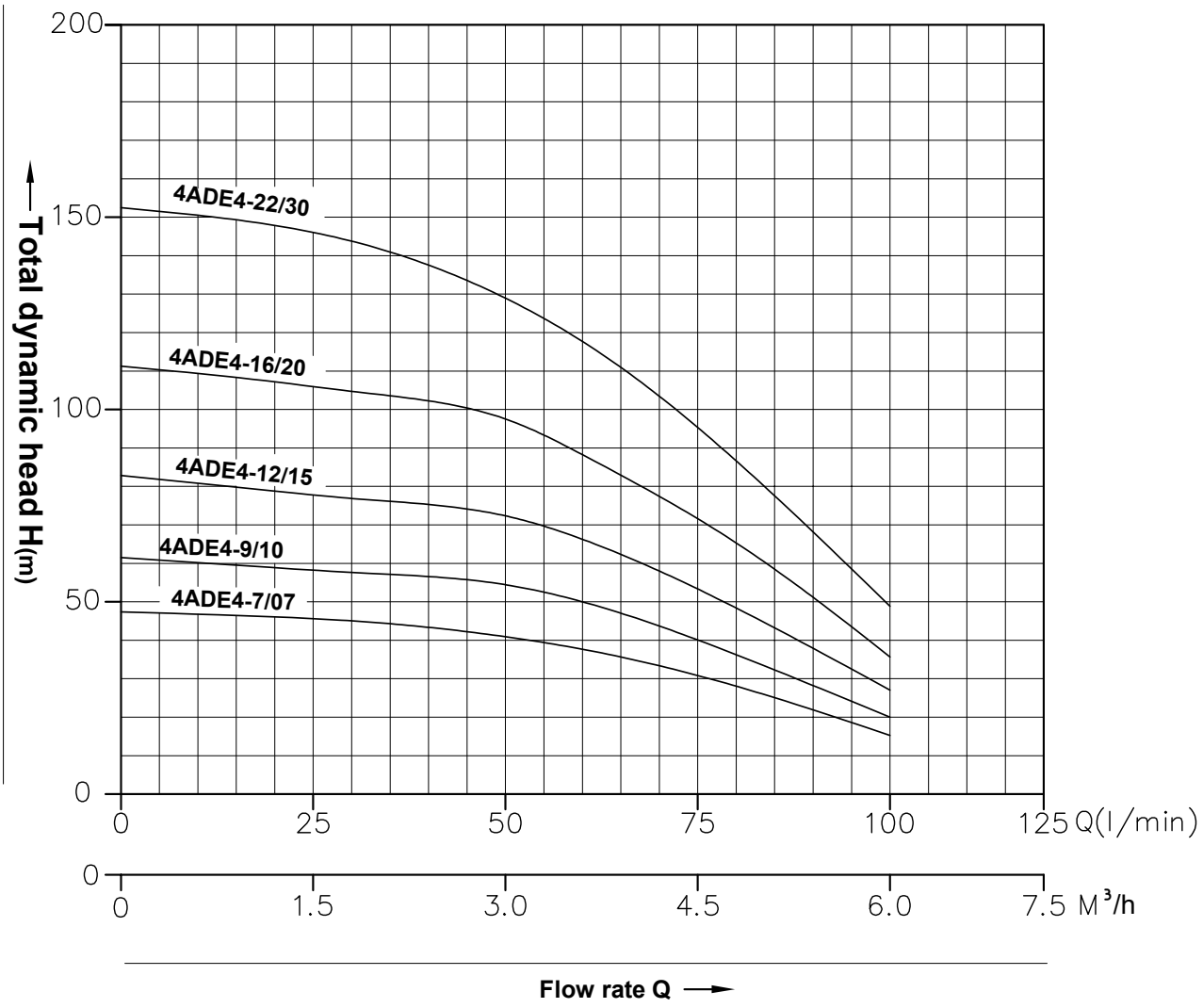
Part Number	Pump Model	Stages	Power		Pump	Q(m³/h)	Delivery										
			kW	HP	Outlet (inch)	Q(l/m)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
							0	5	10	15	20	25	30	35	40	45	50
9830450208	4ADE2-8/05	8	0.37	0.5	1.5"	Head H m	52	51	50	49	48	45	41	37	32	26	21
9830450211	4ADE2-11/07	11	0.55	0.75	1.5"		72	70	69	67	66	63	57	52	43	38	30
9830450214	4ADE2-14/10	14	0.75	1	1.5"		92	91	90	88	84	79	73	66	58	48	38
9830450219	4ADE2-19/15	19	1.1	1.5	1.5"		124	123	122	118	114	107	99	90	78	66	52
9830450225	4ADE2-25/20	25	1.5	2	1.5"		164	163	161	158	151	143	132	119	105	89	70
9830450238	4ADE2-38/30	38	2.2	3	1.5"		250	248	243	240	230	218	201	181	160	135	108

4ADE3- PERFORMAMANCE CURVE AT 50 Hz



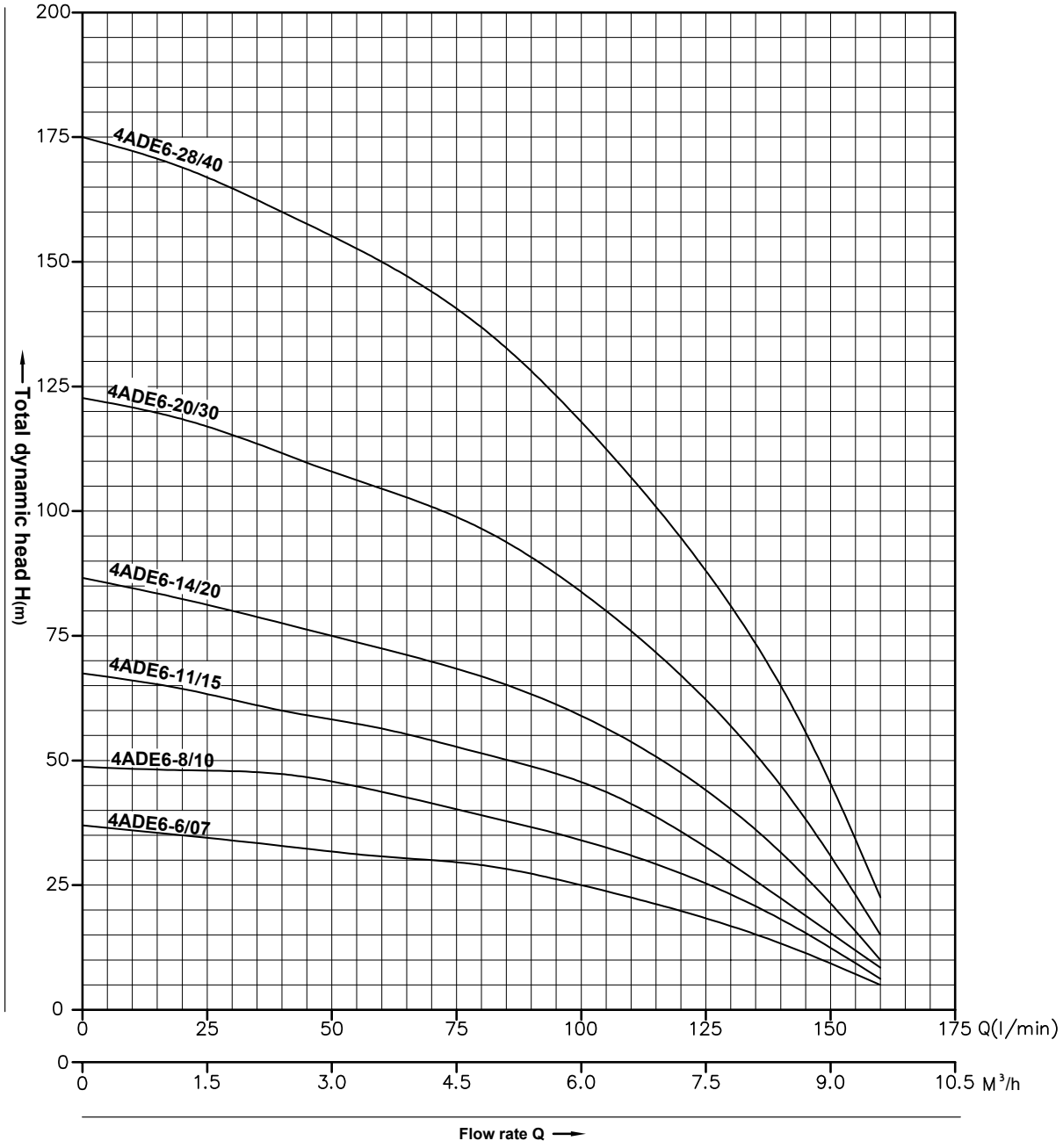
Part Number	Pump Model	Stages	Power		Pump	Q(m³/h)	Delivery									
			kW	HP	Outlet (inch)	Q(l/m)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
							0	10	20	30	40	50	60	70	80	90
9830450306	4ADE3-6/05	6	0.37	0.5	1.5"	Head H m	42	41	40	39	36	32	27	21	15	9
9830450309	4ADE3-9/07	9	0.55	0.75	1.5"		62	61	60	58	53	48	41	32	22	12
9830450311	4ADE3-11/10	11	0.75	1	1.5"		77	76	74	73	67	60	52	41	30	17
9830450315	4ADE3-15/15	15	1.1	1.5	1.5"		104	102	100	98	90	81	69	55	37	20
9830450320	4ADE3-20/20	20	1.5	2	1.5"		139	137	135	130	120	108	92	74	52	29
9830450327	4ADE3-27/30	27	2.2	3	1.5"		190	188	184	177	165	150	125	100	74	39

4ADE4- PERFORMAMANCE CURVE AT 50 Hz



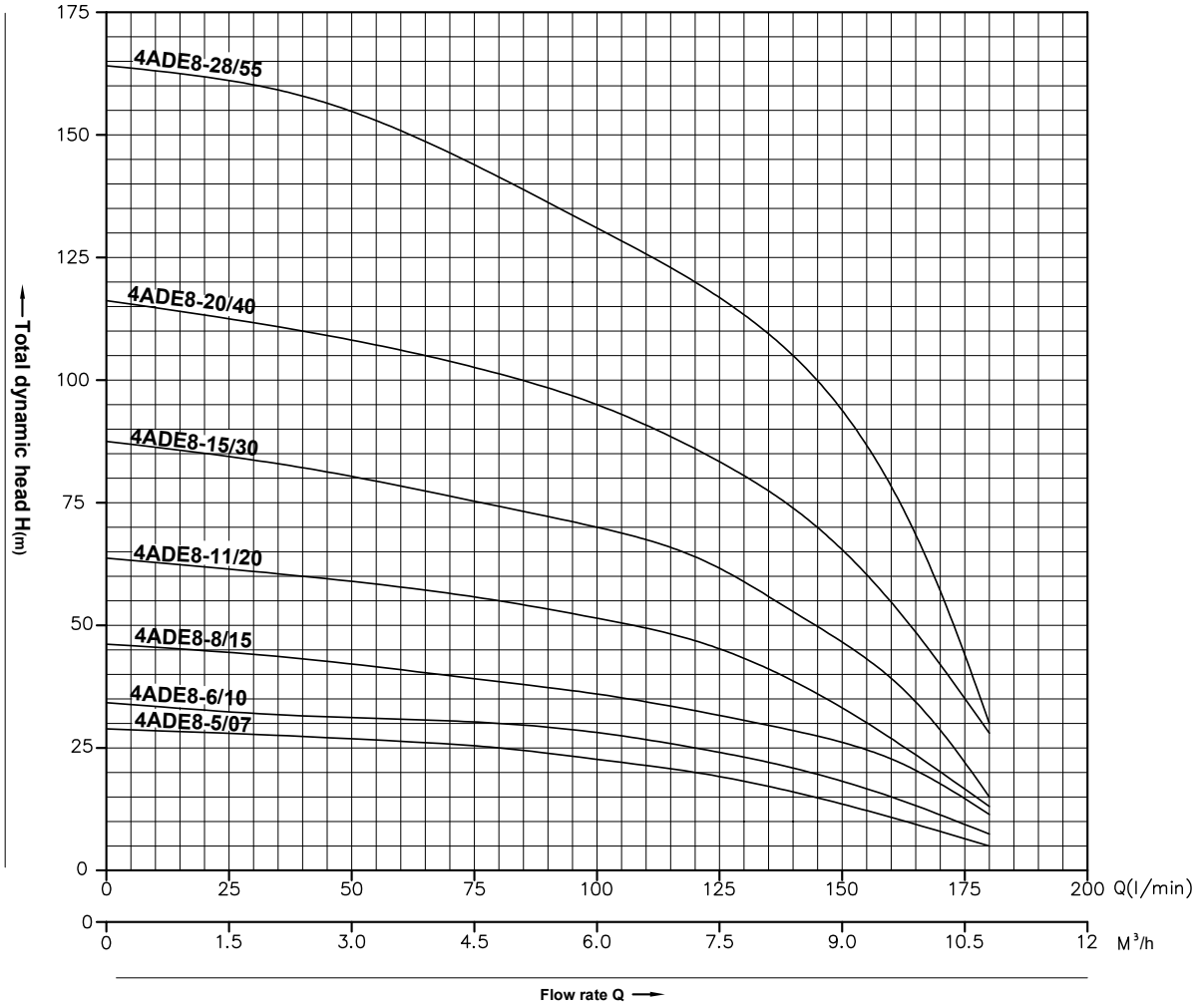
Part Number	Pump Model	Stages	Power		Pump	Q(m³/h)	Delivery										
							0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
			kW	HP	Outlet (inch)	Q(l/m)	0	10	20	30	40	50	60	70	80	90	100
9830450407	4ADE4-7/07	7	0.55	0.75	1.5"	Head H m	48	47	46	45	43	41	38	33	27	22	16
9830450409	4ADE4-9/10	9	0.75	1	1.5"		62	61	59	58	56	54	50	43	36	29	20
9830450412	4ADE4-12/15	12	1.1	1.5	1.5"		83	81	79	78	74	72	66	58	49	38	27
9830450416	4ADE4-16/20	16	1.5	2	1.5"		111	109	105	104	103	98	89	78	66	53	37
9830450422	4ADE4-22/30	22	2.2	3	1.5"		152	150	148	144	136	133	123	108	91	74	51

4ADE6- PERFORMAMANCE CURVE AT 50 Hz



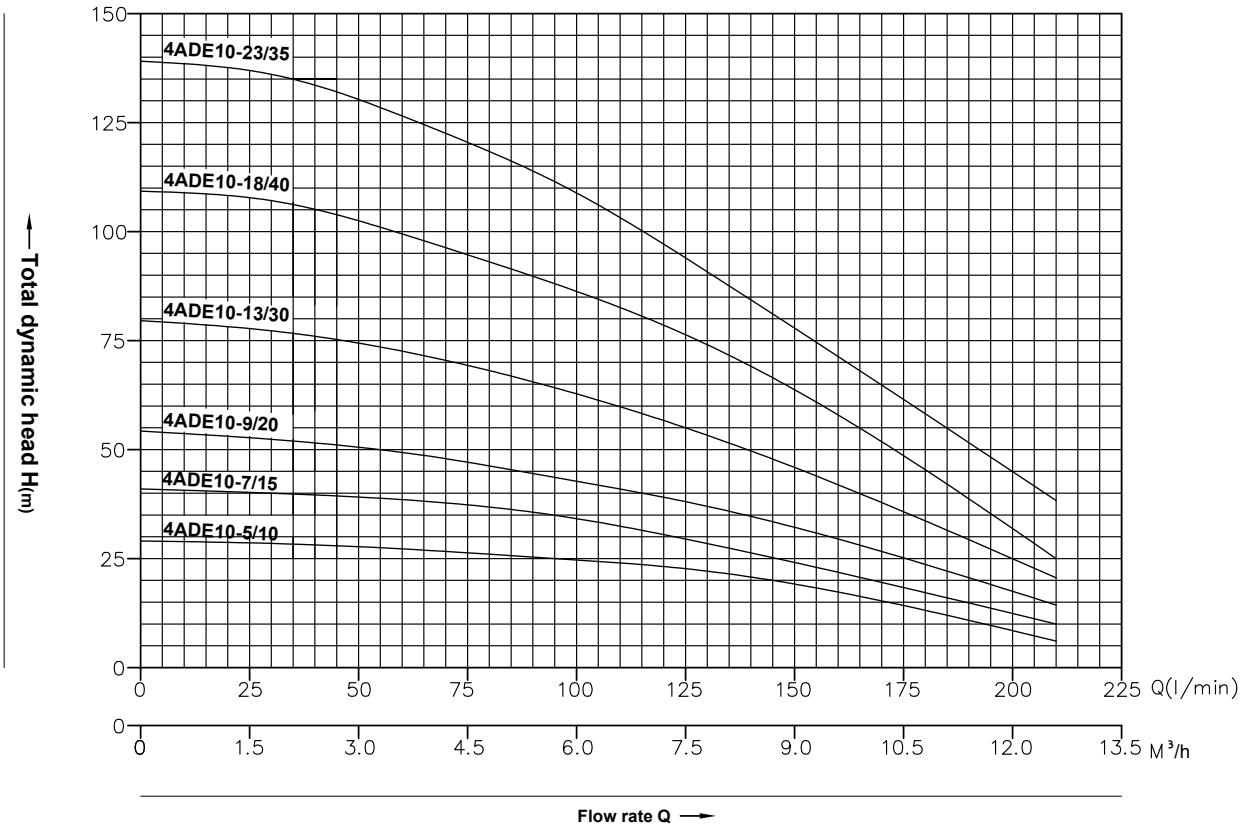
Part Number	Pump Model	Stages	Power		Pump	Q(m³/h)	Delivery								
			kW	HP	Outlet (inch)	Q(l/m)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6
							0	20	40	60	80	100	120	140	160
9830450606	4ADE6-6/07	6	0.55	0.75	2"	Head H m	37	35	33	31	29	25	20	13	5
9830450608	4ADE6-8/10	8	0.75	1	2"		49	47	44	42	39	34	26	17	6
9830450611	4ADE6-11/15	11	1.1	1.5	2"		67	64	60	57	53	46	36	22	8
9830450614	4ADE6-14/20	14	1.5	2	2"		87	83	78	73	67	59	46	31	10
9830450620	4ADE6-20/30	20	2.2	3	2"		123	118	111	104	97	84	66	45	15
9830450628	4ADE6-28/40	28	3	4	2"		175	169	157	147	137	118	95	65	22

4ADE8 - PERFORMAMANCE CURVE AT 50 Hz



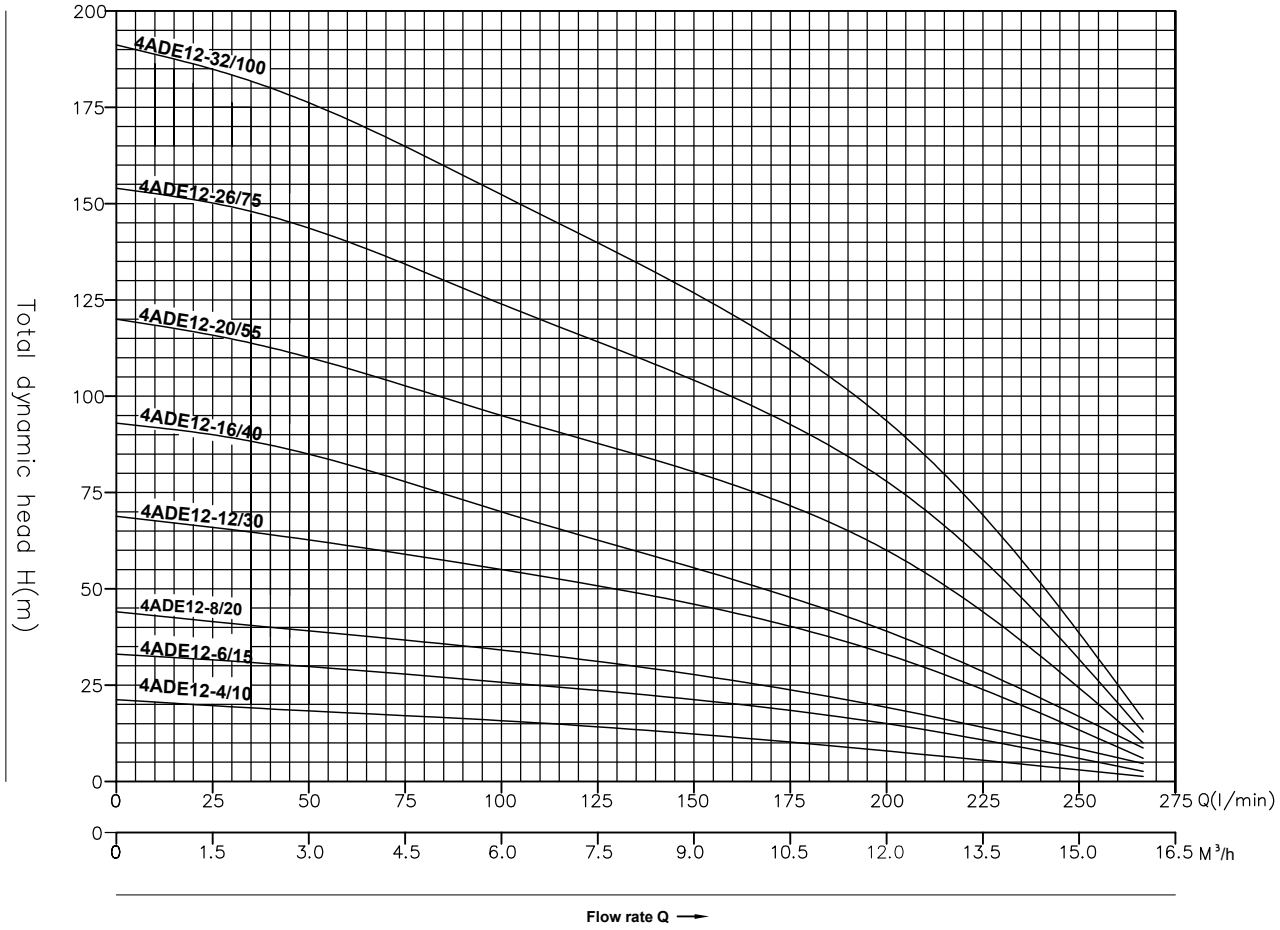
Part Number	Pump Model	Stages	Power		Pump	Q(m³/h)	Delivery									
			kW	HP	Outlet (inch)	Q(l/m)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
							0	20	40	60	80	100	120	140	160	180
9830450805	4ADE8-5/07	5	0.55	0.75	2"	Head H m	28	27	26	25	24	23	20	17	13	5
9830450806	4ADE8-6/10	6	0.75	1	2"		34	33	32	31	30	27	25	21	15	7
9830450808	4ADE8-8/15	8	1.1	1.5	2"		46	45	44	41	39	37	33	28	22	11
9830450811	4ADE8-11/20	11	1.5	2	2"		64	62	60	57	55	51	46	39	28	13
9830450815	4ADE8-15/30	15	2.2	3	2"		87	84	82	78	74	70	64	53	39	15
9830450820	4ADE8-20/40	20	3	4	2"		116	113	110	105	101	95	86	74	59	28
9830450828	4ADE8-28/55	28	4	5.5	2"		164	161	158	148	140	132	120	105	75	30

4ADE10 - PERFORMAMANCE CURVE AT 50 Hz



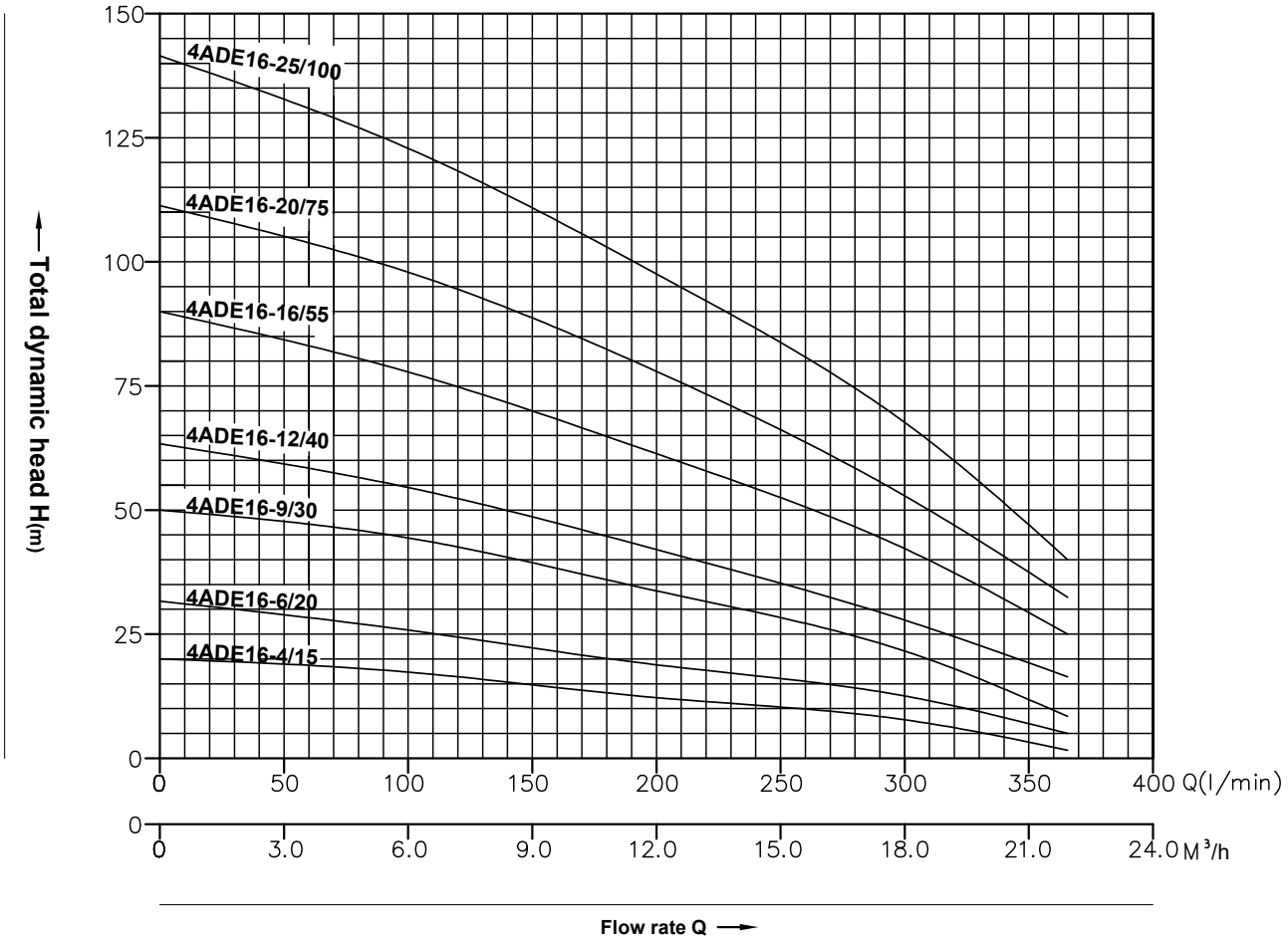
Part Number	Pump Model	Stages	Power		Pump	Q(m³/h)	Delivery							
			kW	HP	Outlet (inch)	Q(l/m)	0	1.8	3.6	5.4	7.2	9	10.8	12.6
							0	30	60	90	120	150	180	210
9830451005	4ADE10-5/10	5	0.75	1	2"	Head H m	29	28	27	26	24	21	16	7
9830451007	4ADE10-7/15	7	1.1	1.5	2"		41	40	38	37	34	29	22	10
9830451009	4ADE10-9/20	9	1.5	2	2"		54	53	50	47	43	37	28	14
9830451013	4ADE10-13/30	13	2.2	3	2"		79	77	72	68	64	55	42	21
9830451018	4ADE10-18/40	18	3	4	2"		109	107	100	95	88	76	57	30
9830451023	4ADE10-23/55	23	4	5.5	2"		139	136	127	121	111	92	64	30

4ADE12- PERFORMAMANCE CURVE AT 50 Hz



Part Number	Pump Model	Stages	Power		Pump	Q(m³/h)	Delivery								
			kW	HP	Outlet (inch)	Q(l/m)	0	2	4	6	8	10	12	14	16
							0	33	67	100	133	167	200	233	267
9830451204	4ADE12-4/10	4	0.75	1	2"	Head H m	21	19	18	16	13	11	8	4	2
9830451206	4ADE12-6/15	6	1.1	1.5	2"		33	31	29	26	23	19	15	10	2
9830451208	4ADE12-8/20	8	1.5	2	2"		44	41	38	34	30	25	19	12	3
9830451212	4ADE12-12/30	12	2.2	3	2"		69	65	60	55	49	41	33	22	4
9830451216	4ADE12-16/40	16	3	4	2"		93	87	81	73	67	57	44	30	5
9830451220	4ADE12-20/55	20	4	5.5	2"		120	114	104	95	85	74	60	42	7
9830451226	4ADE12-26/75	26	5.5	7.5	2"		154	147	134	124	110	95	77	54	20
9830451232	4ADE12-32/100	32	7.5	10	2"		191	182	167	153	137	118	94	65	28

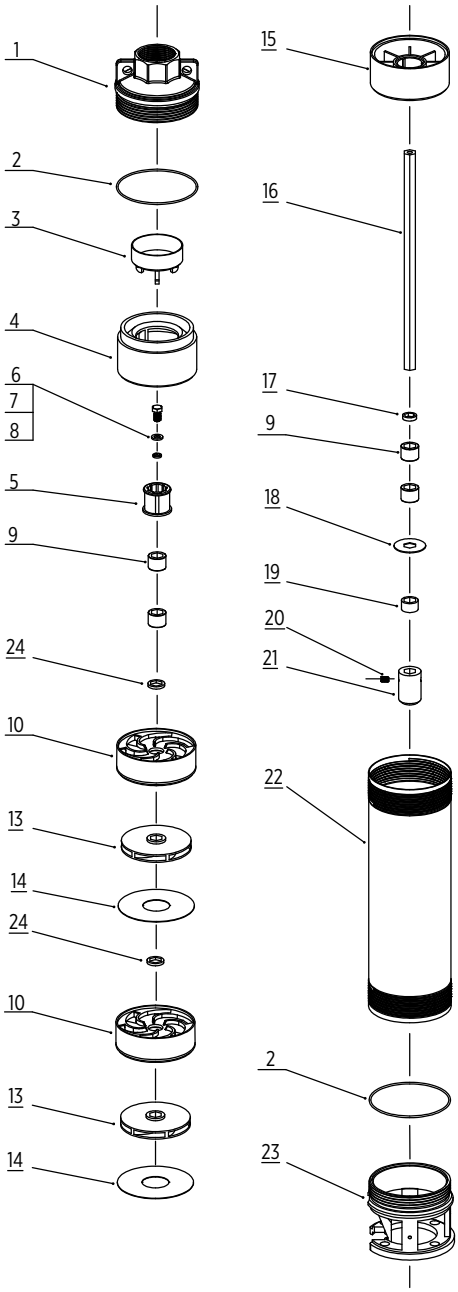
4ADE16 - PERFORMAMANCE CURVE AT 50 Hz



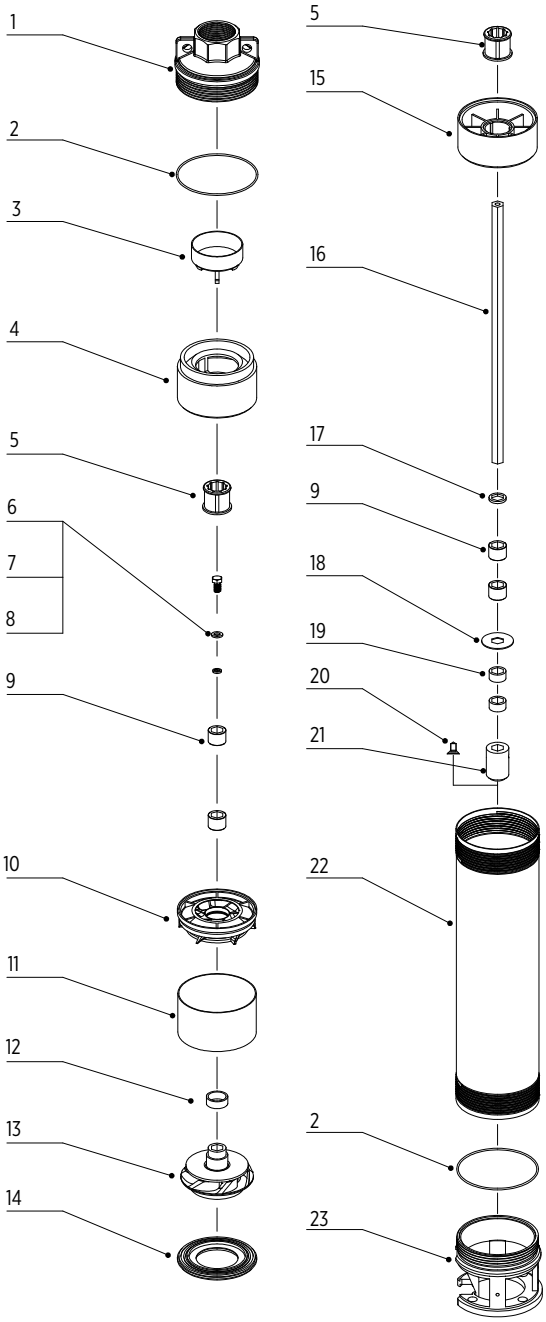
Part Number	Pump Model	Stages	Power		Pump	Q(m³/h)	Delivery									
			kW	HP	Outlet (inch)	Q(l/m)	0	4	6	10	12	14	16	18	20	22
							0	67	100	167	200	233	267	300	333	367
9830451604	4ADE16-4/15	4	1.1	1.5	2"	Head H m	20	18	17	14	13	11	9	7	5	2
9830451606	4ADE16-6/20	6	1.5	2	2"		31	27	26	22	19	17	14	12	9	5
9830451609	4ADE16-9/30	9	2.2	3	2"		50	46	44	37	34	30	27	22	18	13
9830451612	4ADE16-12/40	12	3	4	2"		64	58	54	46	42	38	33	28	22	16
9830451616	4ADE16-16/55	16	4	5.5	2"		90	82	78	66	61	55	50	42	35	25
9830451620	4ADE16-20/75	20	5.5	7.5	2"		111	103	97	84	77	69	61	53	43	33
9830451625	4ADE16-25/100	25	7.5	10	2"		142	130	123	106	97	88	80	68	58	40

PARTS LIST

4ADE2 - 4ADE3 - 4ADE4 - 4ADE6 - 4ADE8 - 4ADE10



4ADE12 - 4ADE16



No.	Description	Material
1	Discharge Head	SS
2	O-Ring	NBR
3	Check Valve	PC
4	Valve Seat	PC
5	Intermediate Support Sleeve	NBR
6	Bolt	SS
7	Spring Washer	SS
8	Flat Washer	SS
9	Ceramic Sleeve	CERAMIC
10	Diffuser	PC
11	Diffuser Sleeve	SS
12	Rubber Ring	NBR

No.	Description	Material
13	Impeller	POM
14	Diffuser Cover	PC
15	Intermediate Support	PC
16	Pump Shaft	SS
17	Sleeve	PLASTIC
18	Flat Washer	SS
19	Sleeve	PLASTIC
20	Screw	SS
21	Coupling	SS
22	Pump Casing	SS
23	Motor Bracket	SS
24	Gasket	NBR+SS

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Franklin Electric (SEA) Pte Ltd
ASEAN|Bangladesh|Pakistan|Sri Lanka
17 Changi Business Park Central 1 | #06-05 Honeywell Building | Singapore 486073
Phone. +65 6789 6865 - Fax. +65 6789 0155

www.franklinwatersea.com

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