



In - line Circulation Pump AIL Catalogue



PT. Archimedes Global Pump

Kawasan Pusat Niaga Terpadu
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Archimedes
Pump

Manufactured for



● Performances per stage

Features

- Single stage in-line circulation non-self priming Horizontal non-self priming centrifugal pump, attached with shaft electric motor
- Impellers and pump casing is made of cast iron in order to achieve durability, superior efficiency and the highest performances
- Shaft sealing with mechanical seal
- Wide range
- Available in stainless steel AISI 304 or AISI 316

Performance

- Capacity up to 1200 m³/h.
- Head up to 90 m.
- Liquid temperature -15°C up to 110 °C
- Rated motor power output
1,1 kW up to 75 kW.
- TEFC, 2-pole standard motor
- Class F insulation, IP 55 protection
- Rotation speed
2900 r.p.m. 1450 r.p.m. (50 Hz).

Applications

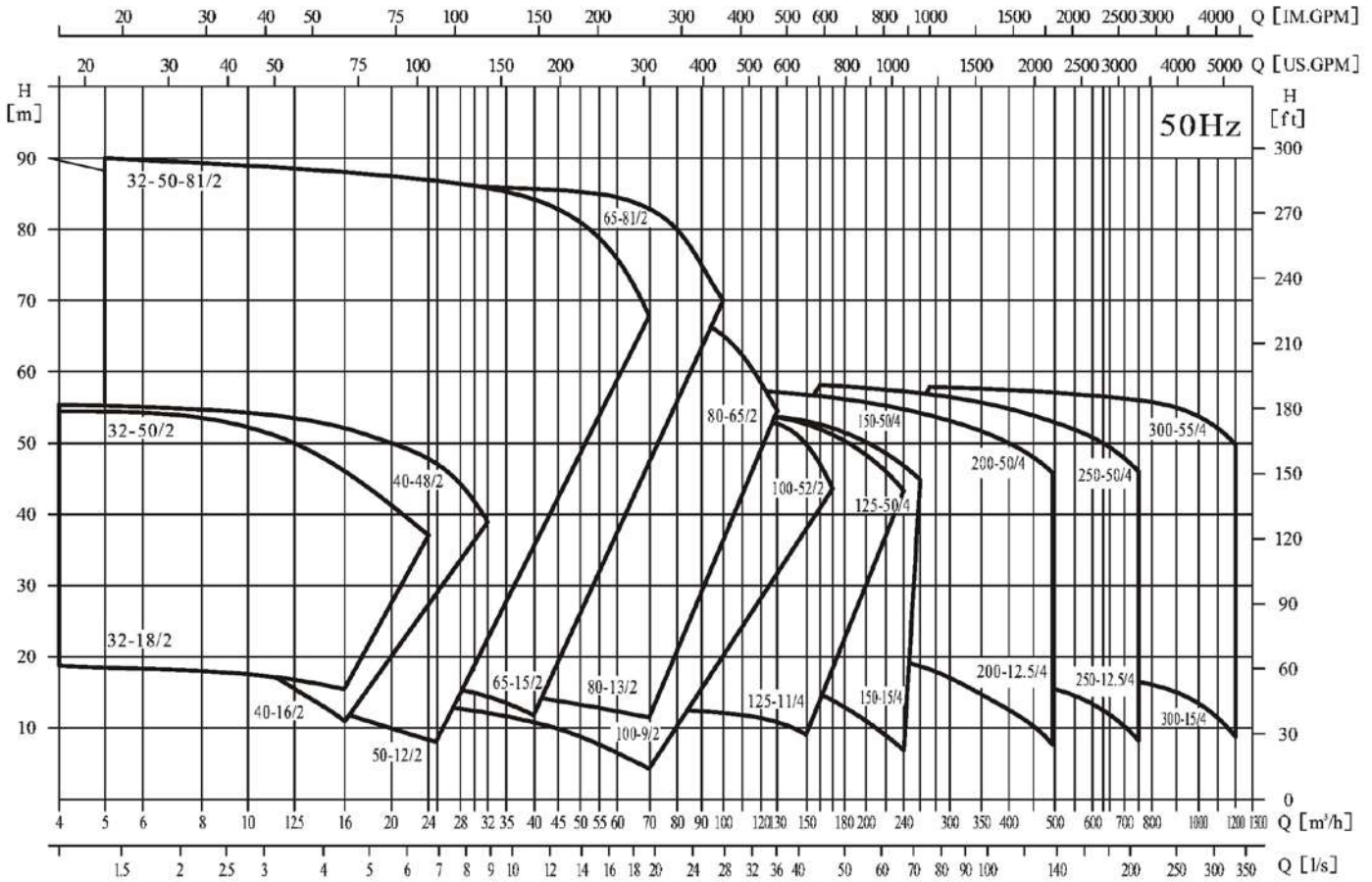
- Water circulation
- Water supply
- Heating system
- Air condition system
- Cooling system
- Industrial applications

Manufactured for



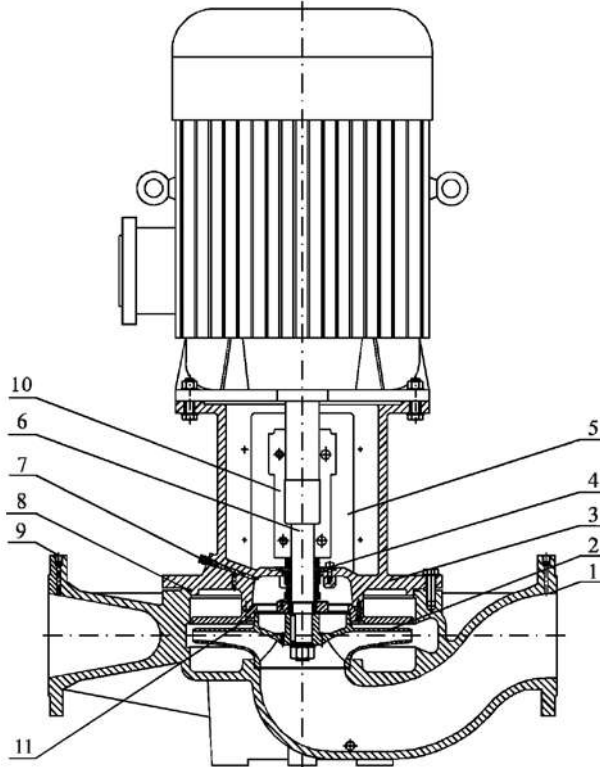
ISO 9001:2008

ACT Performance range



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● Section view AIL

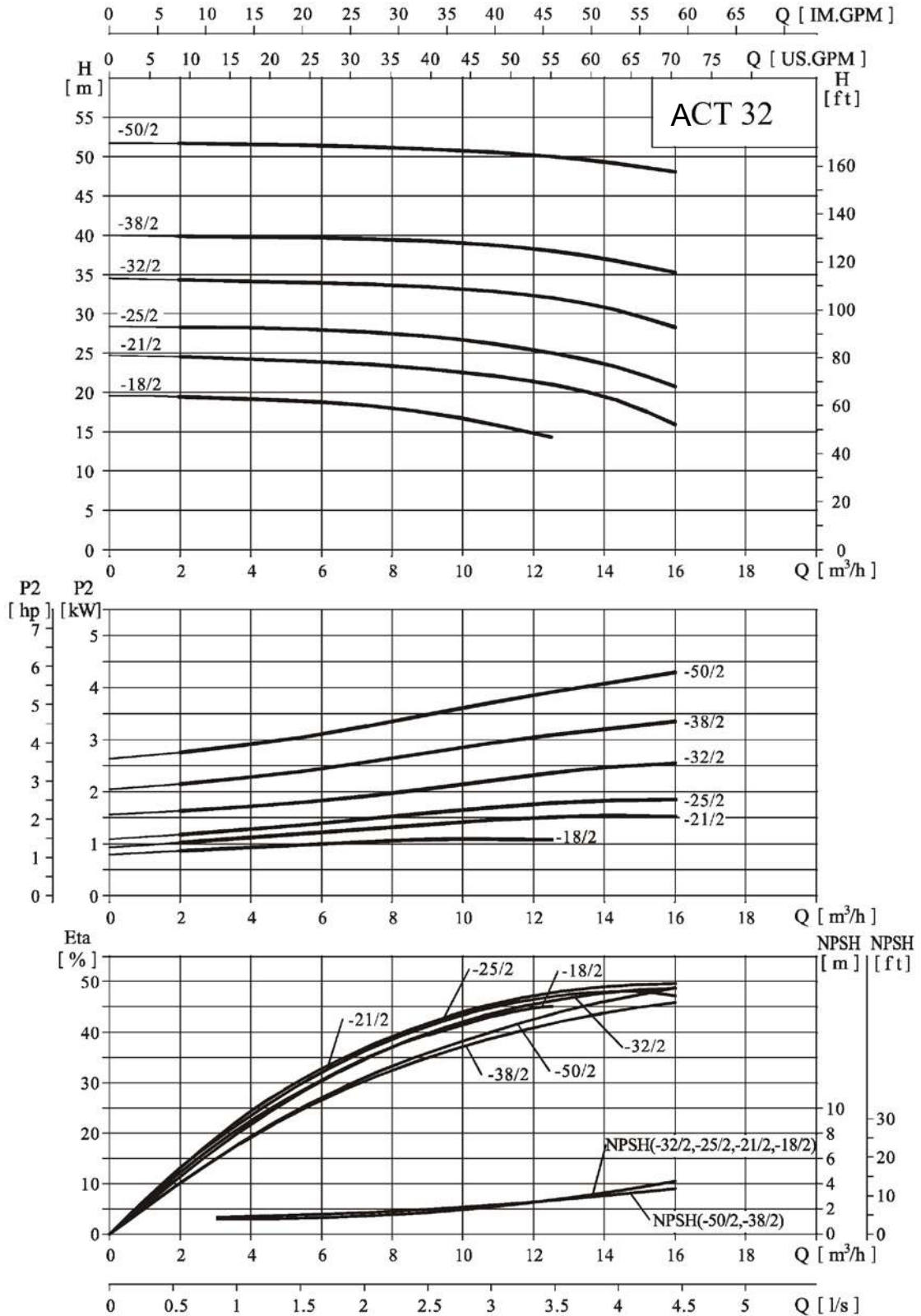


N.	Description	Material	Specification
1	Pump casing	Cast iron	GG25
2	Impeller	Cast iron	GG25
3	Pump head	Cast iron	GG25
4	Mechanical seal	Carbon/SiC	
5	Guard plate	Stainless steel	AISI 304
6	Shaft	Stainless steel	AISI 420
7	Air release valve	Stainless steel	AISI 304
8	O-ring	NBR	
9	Plug	Stainless steel	AISI 304
10	Coupling	Cast steel	St 37
11	Bearing ring	Cast iron	GG25

Manufactured for



● Performance at 2900 r.p.m. 50 Hz

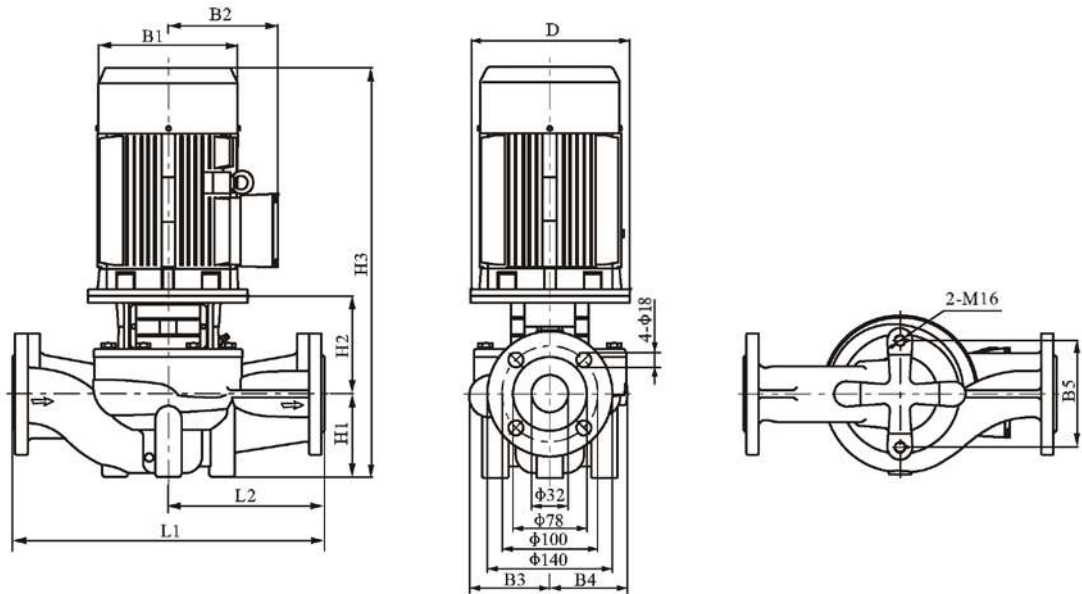


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ISO 9001:2008

Performance Table

Type	(kW)	Q (m ³ /h)	2	4	6	8	10	12,5	14	16
ACT 32-18/2	1,1	H (m)	19,4	19,1	18,7	18	16,7	14,3		
ACT 32-21/2	1,5		24,5	24,2	23,9	23,3	22,5	21	19,4	15,9
ACT 32-25/2	2,2		28,3	28,2	28	27,5	26,7	25	23,6	20,7
ACT 32-32/2	3		34,3	34,2	33,9	33,6	33,1	32	30,8	28,2
ACT 32-38/2	4		39,8	39,8	39,7	39,4	39	38	37	35,2
ACT 32-50/2	5,5		51,7	51,6	51,4	51,1	50,7	50	49,3	48



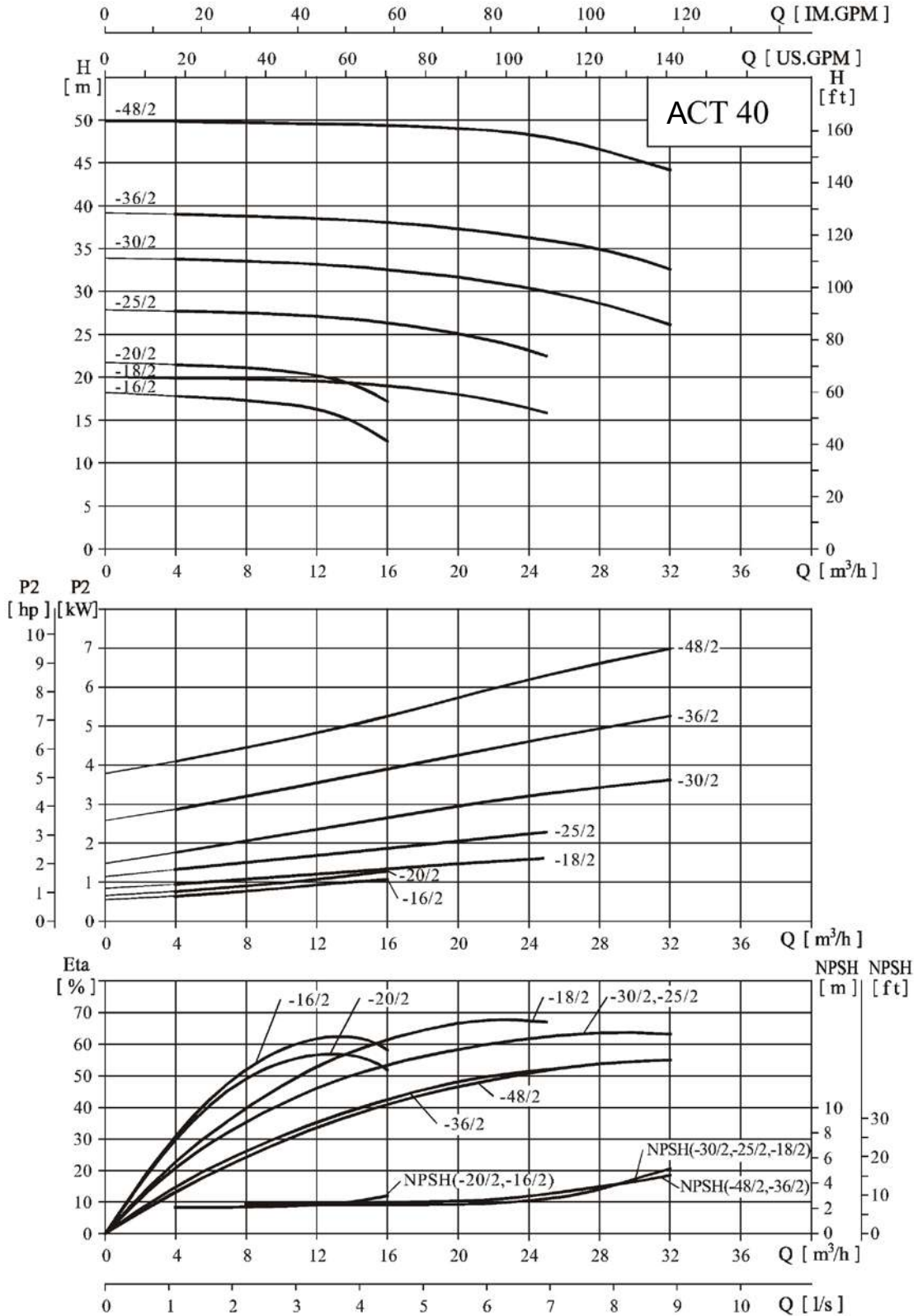
Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
ACT 32-18/2	120	170	142	125	117	144	100	166	511	340	170	50
ACT 32-21/2	140	190	155	125	117	144	100	166	556	340	170	56
ACT 32-25/2	140	190	155	125	117	144	100	166	556	340	170	59
ACT 32-32/2	160	197	165	125	117	144	100	185	630	340	170	68
ACT 32-38/2	160	230	188	144	144	144	100	185	640	440	220	79
ACT 32-50/2	200	260	208	144	144	144	100	213	703	440	220	104

Manufactured for



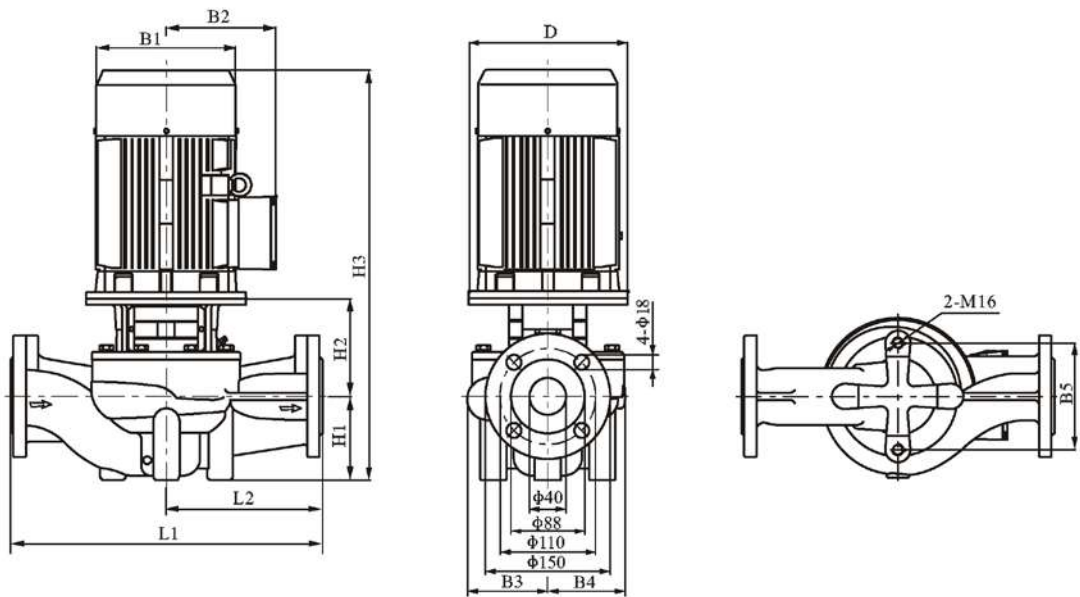
● Performance at 2900 r.p.m. 50 Hz



Manufactured for  by    **ISO 9001:2008**

● Performance Table

Type	(kW)	Q (m ³ /h)	4	8	12,5	16	20	25	28	32
ACT 40-16/2	1,1	H (m)	17,8	17,3	16	12,5				
ACT 40-20/2	1,5		21,5	21,1	20	17,2				
ACT 40-18/2	2,2		19,9	19,8	19,5	19	18	15,8		
ACT 40-25/2	3		27,7	27,5	27,1	26,4	25	22,5		
ACT 40-30/2	4		33,8	33,6	33,1	32,6	31,7	30	28,6	26,1
ACT 40-36/2	5,5		39	38,8	38,5	38,1	37,3	36	35	32,6
ACT 40-48/2	7,5		49,8	49,7	49,5	49,4	49	48	46,6	44,2



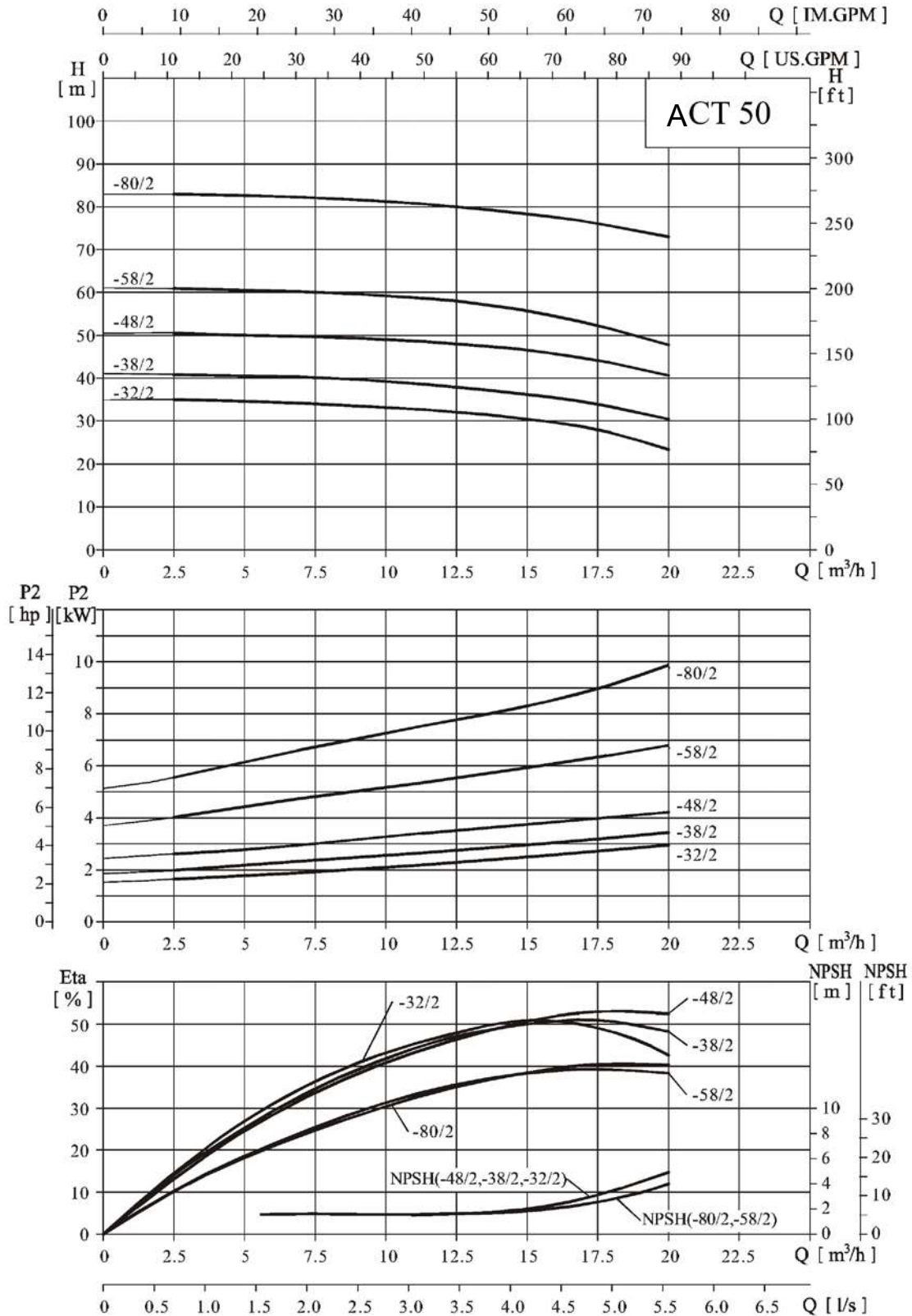
● Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
ACT 40-16/2	120	170	142	97	96	120	68	150	463	320	160	40
ACT 40-20/2	140	190	155	97	96	120	68	160	518	320	160	46
ACT 40-18/2	140	190	155	110	95	144	100	167	557	340	170	53
ACT 40-25/2	160	197	165	127	115	144	100	185	630	340	170	70
ACT 40-30/2	160	230	188	127	115	144	100	185	640	340	170	77
ACT 40-36/2	200	260	208	138	125	144	110	213	713	440	220	106
ACT 40-48/2	200	260	208	138	125	144	110	213	713	440	220	110

Manufactured for



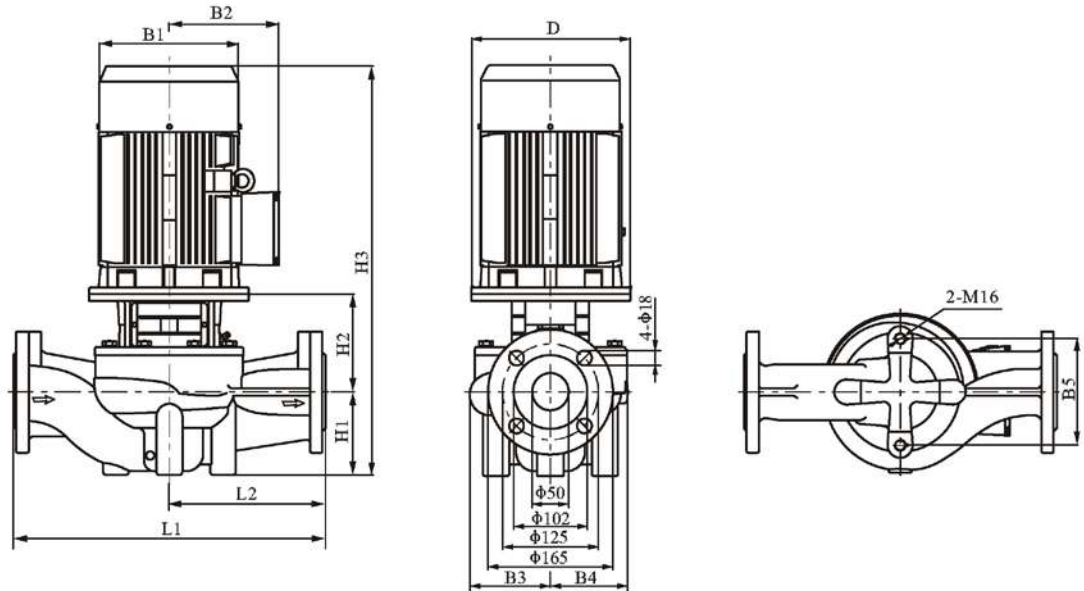
● Performance at 2900 r.p.m. 50 Hz



Manufactured for by **ISO 9001:2008**

● Performance Table

Type	(kW)	Q (m ³ /h)	2,5	5	7,5	10	12,5	15	17,5	20
ACT 50-32/2	3	H (m)	35	34,6	34	33,2	32	30,5	27,9	23,3
ACT 50-38/2	4		40,8	40,6	40,2	39,2	38	36,2	33,9	30,4
ACT 50-48/2	5,5		50,5	50	49,7	49	48	46,5	44,2	40,7
ACT 50-58/2	7,5		61	60,6	60,1	59,2	58	55,7	52,2	47,8
ACT 50-80/2	11		82,9	82,6	82,2	81,2	80	78,4	76,1	73



● Dimension and weight

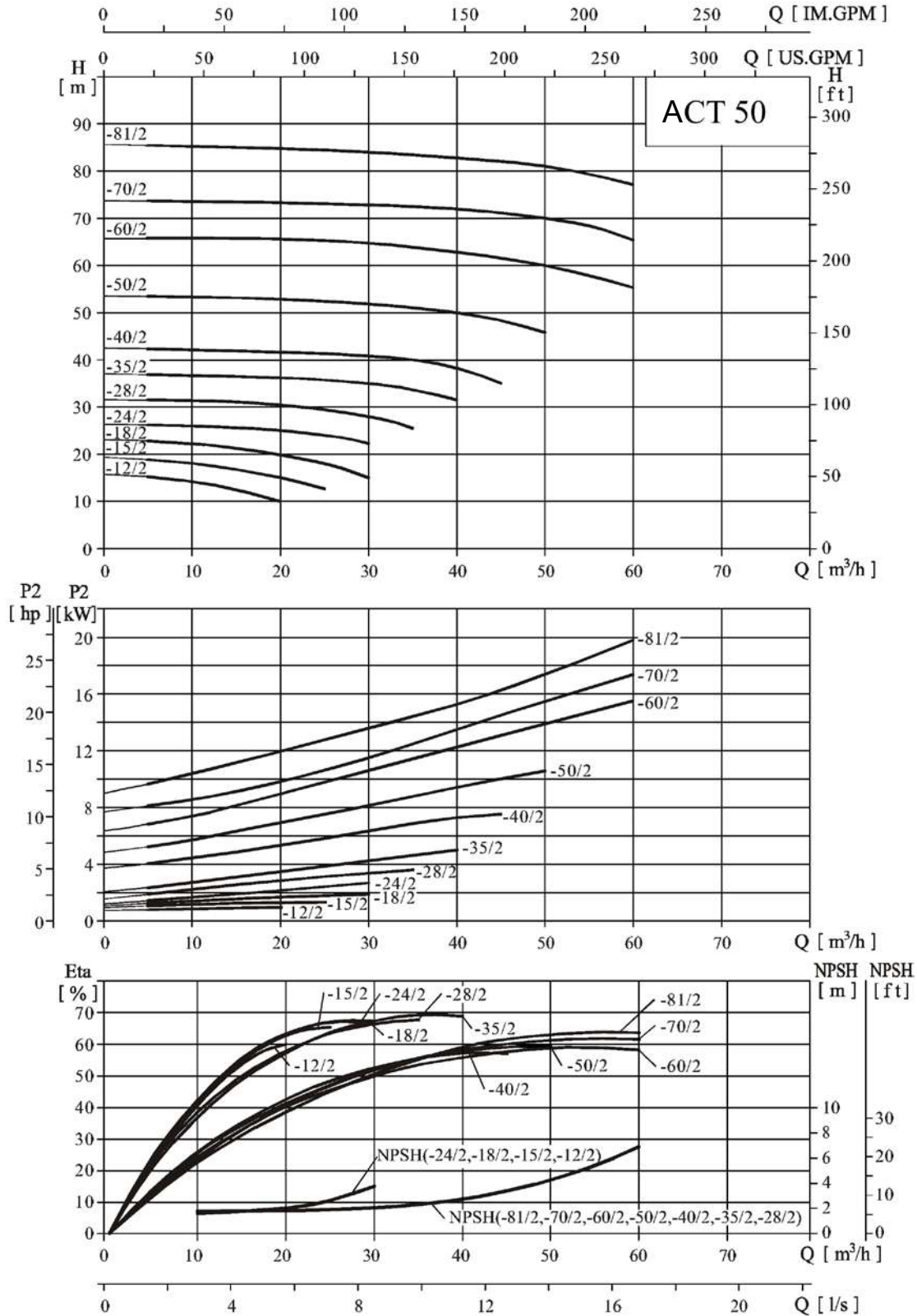
Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
ACT 50-32/2	160	197	165	128	128	144	105	162	612	400	200	65
ACT 50-38/2	160	230	188	128	128	144	105	162	622	400	200	71
ACT 50-48/2	200	260	208	128	128	144	105	186	681	400	200	85
ACT 50-58/2	200	260	208	163	163	144	105	196	692	440	220	110
ACT 50-80/2	350	330	255	163	163	144	105	196	852	440	220	185

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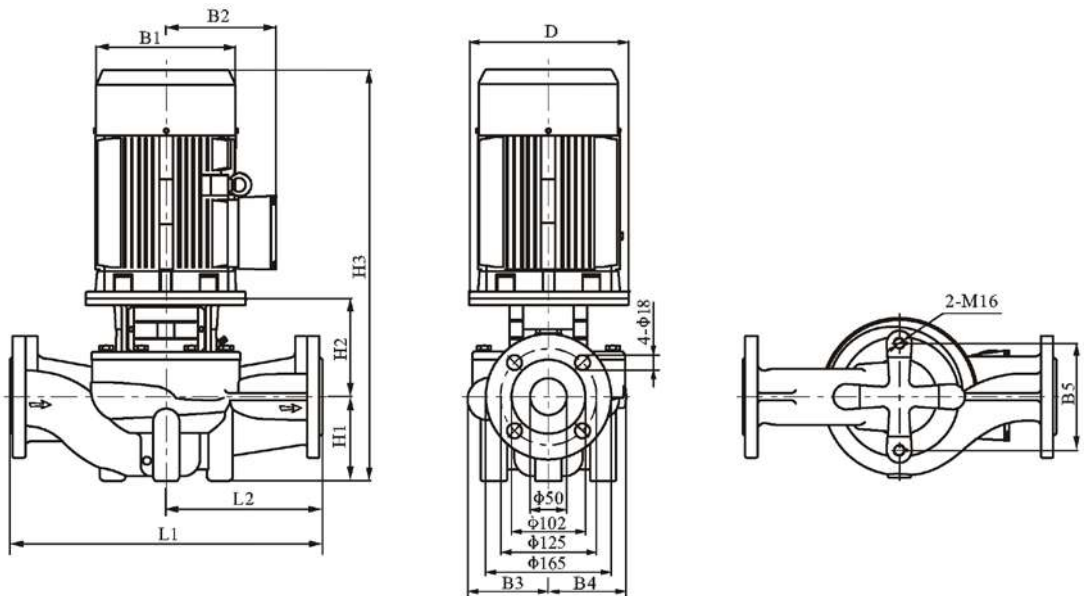
● Performance at 2900 r.p.m. 50 Hz



Manufactured for by **ISO 9001:2008**

Performance Table

Type	(kW)	Q (m ³ /h)	5	10	16	20	25	30	35	40	45	50	60
ACT 50-12/2	1,1	H (m)	15,2	14,2	12	10							
ACT 50-15/2	1,5		18,9	18	16,5	15	12,6						
ACT 50-18/2	2,2		22,8	22,3	21	19,8	18	15					
ACT 50-24/2	3		26,2	26	25,5	25	24	22,3					
ACT 50-28/2	4		31,5	31,3	31	30,5	29,5	28	25,5				
ACT 50-35/2	5,5		36,9	36,7	36,5	36,2	35,8	35	33,7	31,5			
ACT 50-40/2	7,5		42,3	42,2	41,9	41,7	41,3	40,8	40	38,3	35		
ACT 50-50/2	11		53,5	53,4	53,1	52,9	52,5	51,9	51,1	50	48,4	45,8	
ACT 50-60/2	15		65,7	65,8	65,7	65,6	65,3	64,7	63,9	62,8	61,6	60	55,4
ACT 50-70/2	18,5		73,7	73,6	73,4	73,3	73,1	72,9	72,5	72	71,2	70	65,4
ACT 50-81/2	22	85,5	85,3	85	84,8	84,5	84	83,5	82,8	82,1	81	77,1	



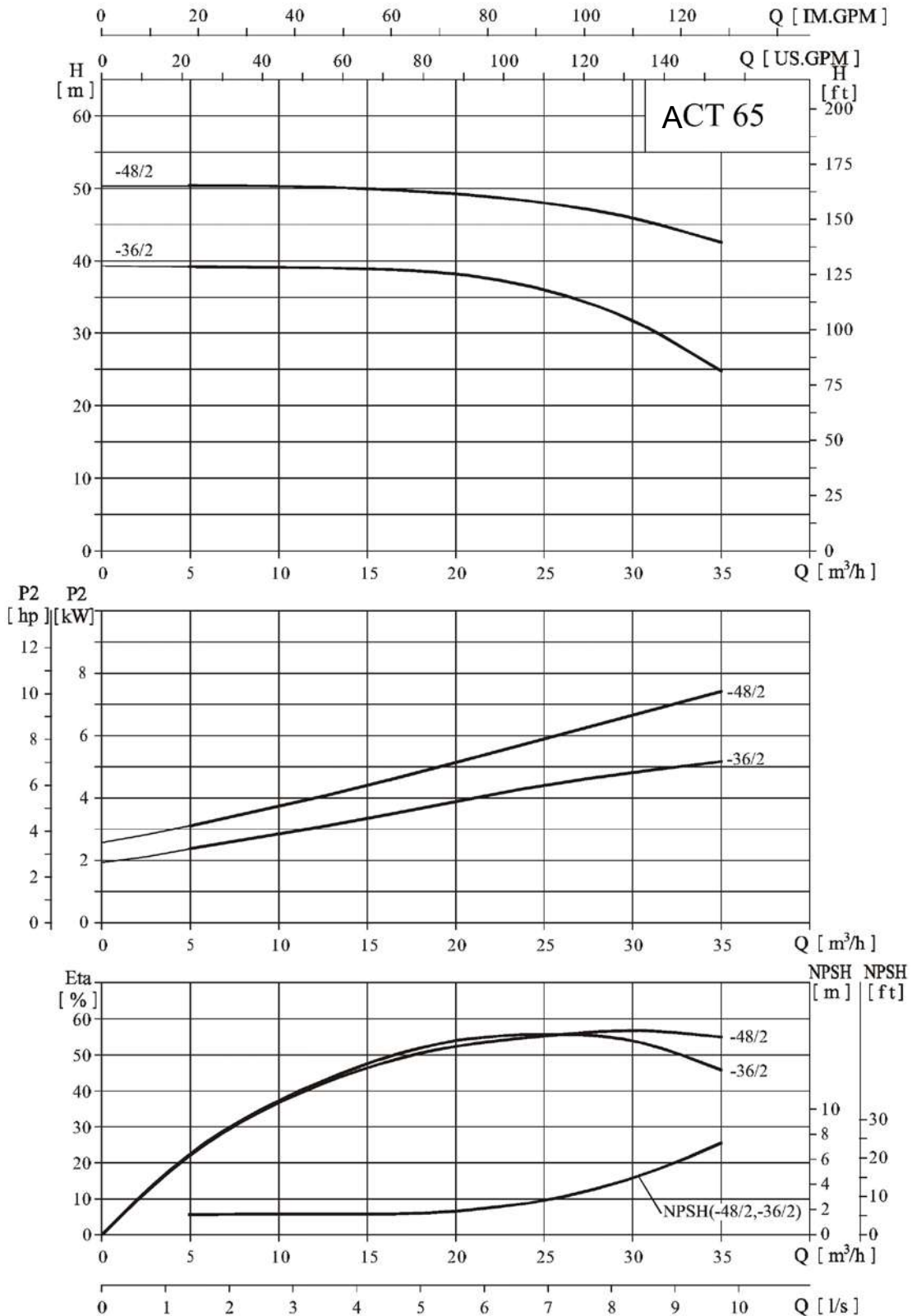
Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
ACT 50-12/2	120	170	142	117	115	144	115	153	513	340	170	56
ACT 50-15/2	140	190	155	117	115	144	115	153	558	340	170	62
ACT 50-18/2	140	190	155	117	115	144	115	153	558	340	170	65
ACT 50-24/2	160	197	165	117	115	144	115	172	632	340	170	74
ACT 50-28/2	160	230	188	129	115	144	115	175	645	340	170	79
ACT 50-35/2	200	260	208	129	115	144	115	197	702	340	170	103
ACT 50-40/2	200	260	208	171	158	144	115	187	692	440	220	118
ACT 50-50/2	350	330	255	171	158	144	115	250	865	440	220	181
ACT 50-60/2	350	330	255	171	158	144	115	250	865	440	220	191
ACT 50-70/2	350	330	255	171	158	144	115	250	915	440	220	209
ACT 50-81/2	350	360	285	171	158	144	115	250	940	440	220	245

Manufactured for



● Performance at 2900 r.p.m. 50 Hz

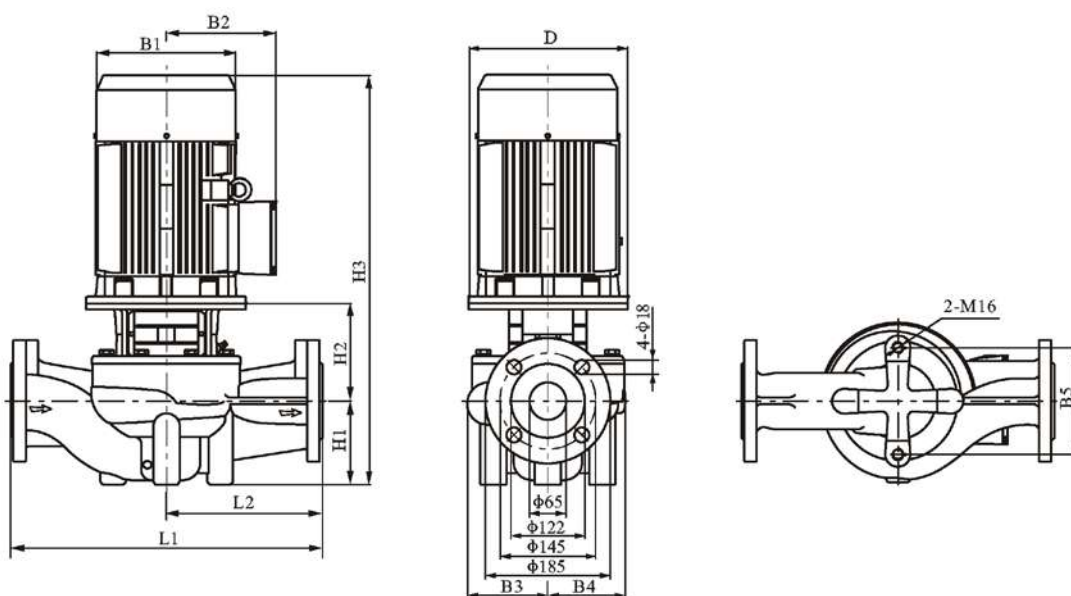


Manufactured for



● Performance Table

Type	(kW)	Q (m ³ /h)	5	10	15	20	25	30	35
CT 65-36/2	5,5	H	39,2	39,1	38,9	38,2	36	31,8	24,8
CT 65-48/2	7,5	(m)	50,4	50,3	50	49,3	48	45,9	42,5



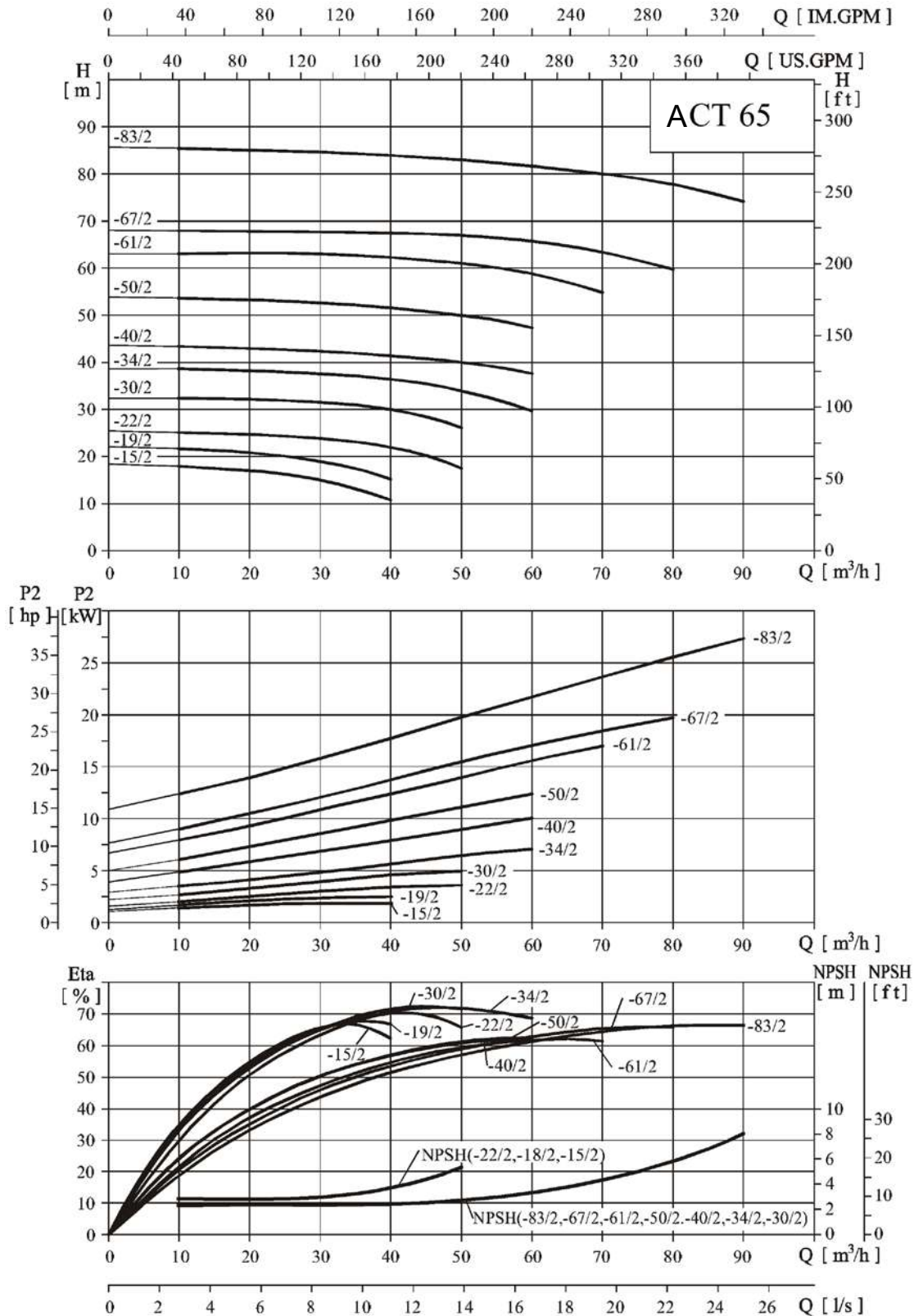
● Dimension and weight

Τύπος Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Βάρος Weight (kg)
	(mm)											
CT 65-36/2	200	260	208	128	128	144	105	194	689	400	200	87
CT 65-48/2	200	260	208	128	128	144	105	194	689	400	200	91

Manufactured for



● Performance at 2900 r.p.m. 50 Hz

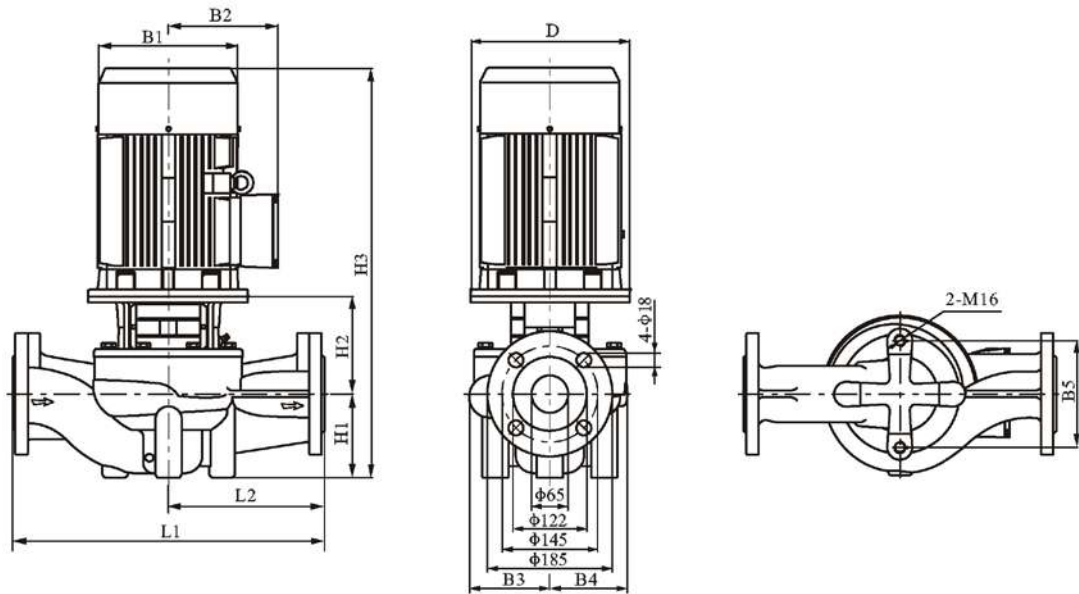


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● Performance Table

Type	(kW)	Q (m ³ /h)	10	20	30	40	50	60	70	80	90
ACT 65-15/2	2,2	H (m)	17,9	17	15	10,7					
CT 65-19/2	3		21,7	20,8	19	15,2					
CT 65-22/2	4		25,1	24,7	23,9	22	17,5				
CT 65-30/2	5,5		32,4	32,1	31,5	30	26,1				
CT 65-34/2	7,5		38,6	38,2	37,6	36,4	34	29,6			
CT 65-40/2	11		43,4	42,9	42,3	41,4	40	37,6			
CT 65-50/2	15		53,6	53,3	52,7	51,6	50	47,3			
CT 65-61/2	18,5		63,1	63,2	63	62,3	61	58,8	54,8		
CT 65-67/2	22		68	67,8	67,7	67,5	67	65,8	63,4	59,7	
CT 65-83/2	30		85,4	85,1	84,6	83,9	83	81,7	80	77,8	74,2



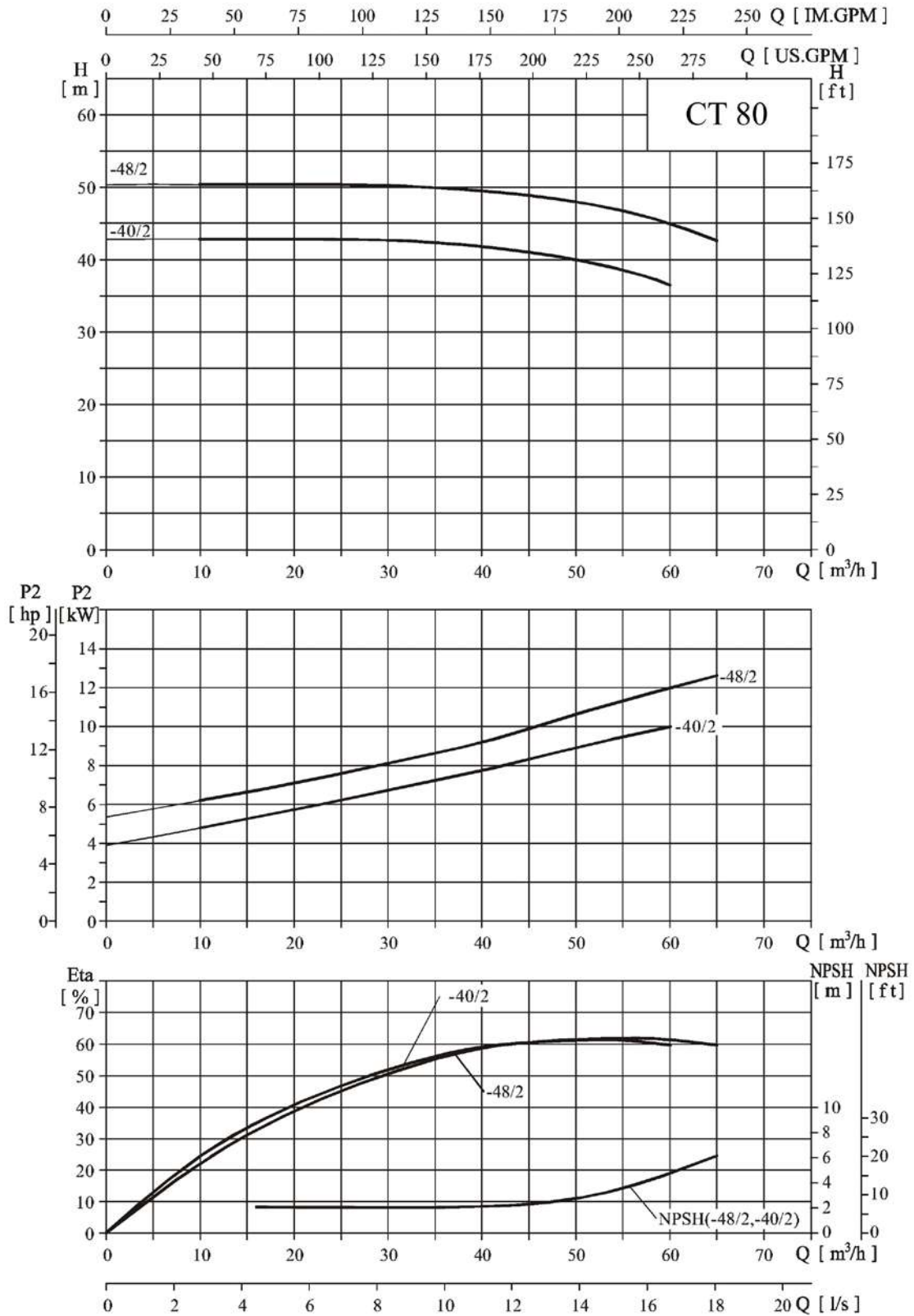
● Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
CT 65-15/2	140	190	155	142	124	144	105	172	567	360	180	65
CT 65-19/2	160	197	165	142	124	144	105	191	641	360	180	74
CT 65-22/2	160	230	188	142	124	144	105	191	651	360	180	81
CT 65-30/2	200	260	208	142	124	144	105	213	708	360	180	105
CT 65-34/2	200	260	208	142	124	144	105	213	708	360	180	108
CT 65-40/2	350	330	255	179	167	144	125	262	887	475	238	183
CT 65-50/2	350	330	255	179	167	144	125	262	887	475	238	193
CT 65-61/2	350	330	255	179	167	144	125	262	937	475	238	210
CT 65-67/2	350	330	255	179	167	144	125	262	962	475	238	248
CT 65-83/2	400	400	310	179	167	144	125	262	1037	475	238	309

Manufactured for



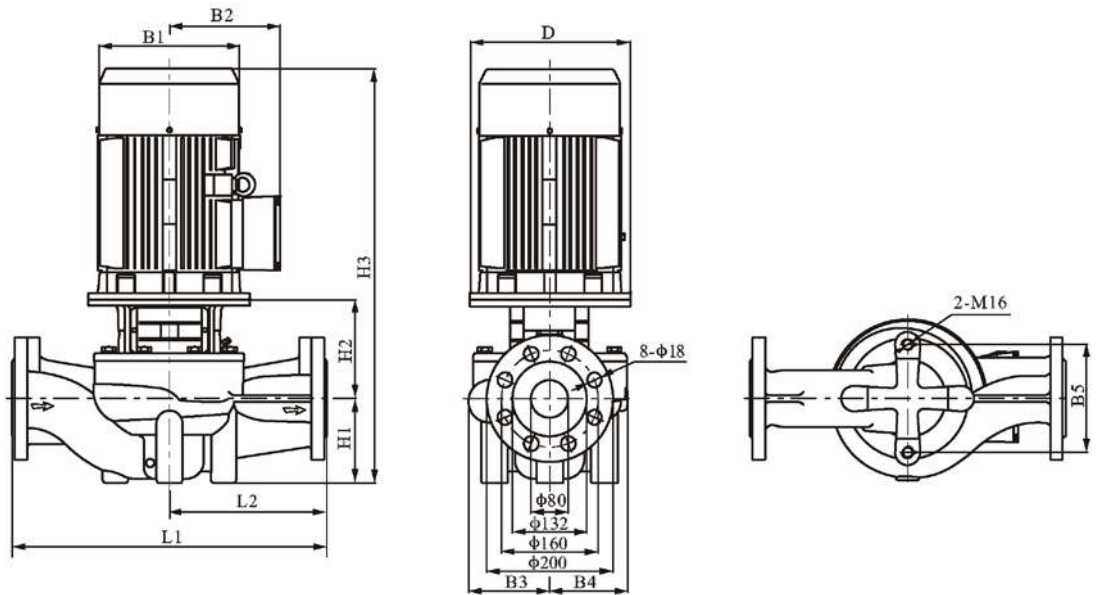
● Performance at 2900 r.p.m. 50 Hz



Manufactured for  by    ISO 9001:2008

● Performance Table

Type	(kW)	Q (m ³ /h)	10	20	30	40	50	60	65
CT 80-40/2	11	H	42,8	42,8	42,7	41,8	40	36,5	
CT 80-48/2	15	(m)	50,4	50,4	50,2	49,5	48	45	42,6



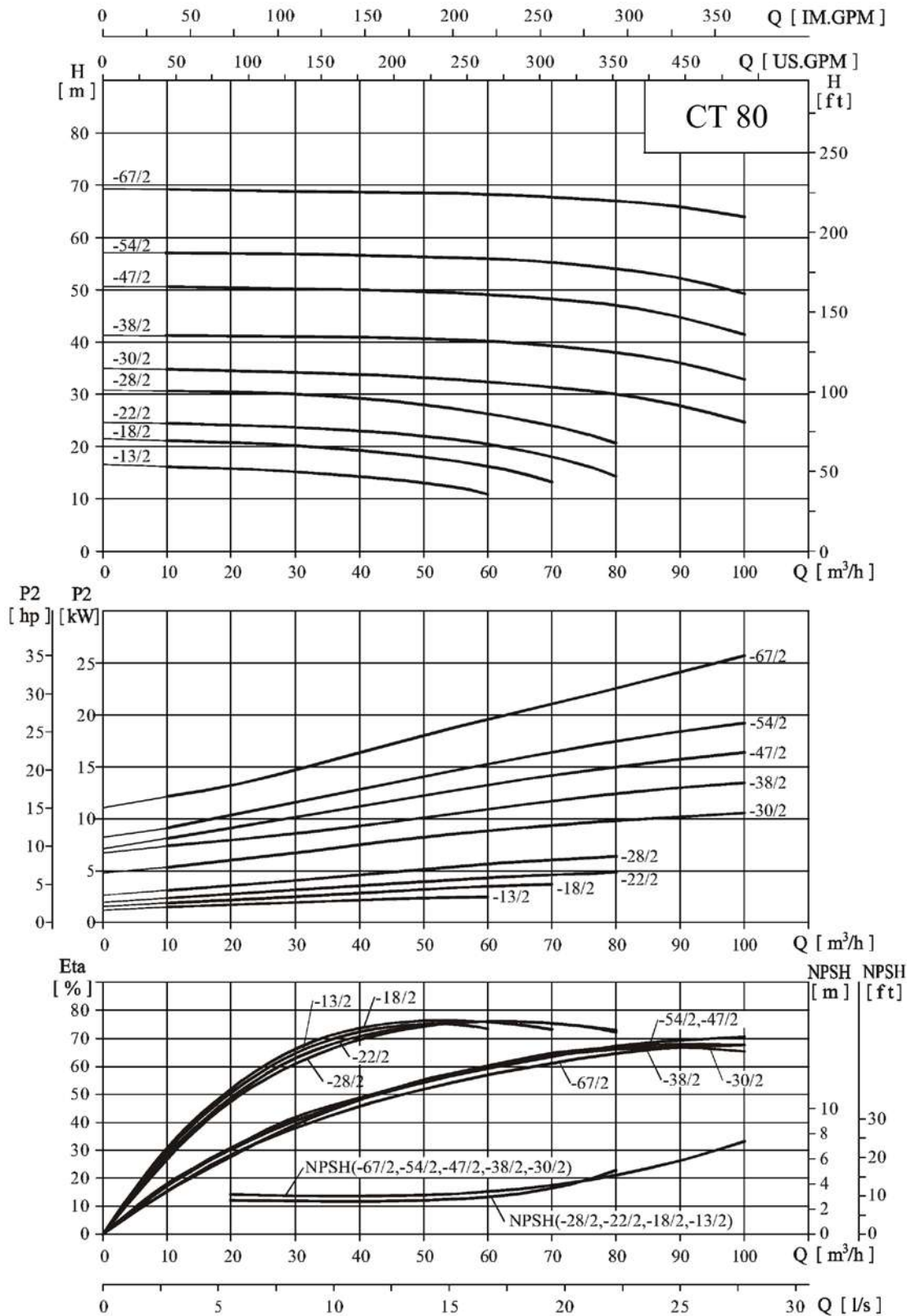
● Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
CT 80-40/2	350	330	255	137	128	144	115	240	855	500	250	170
CT 80-48/2	350	330	255	137	128	144	115	240	855	500	250	181

Manufactured for



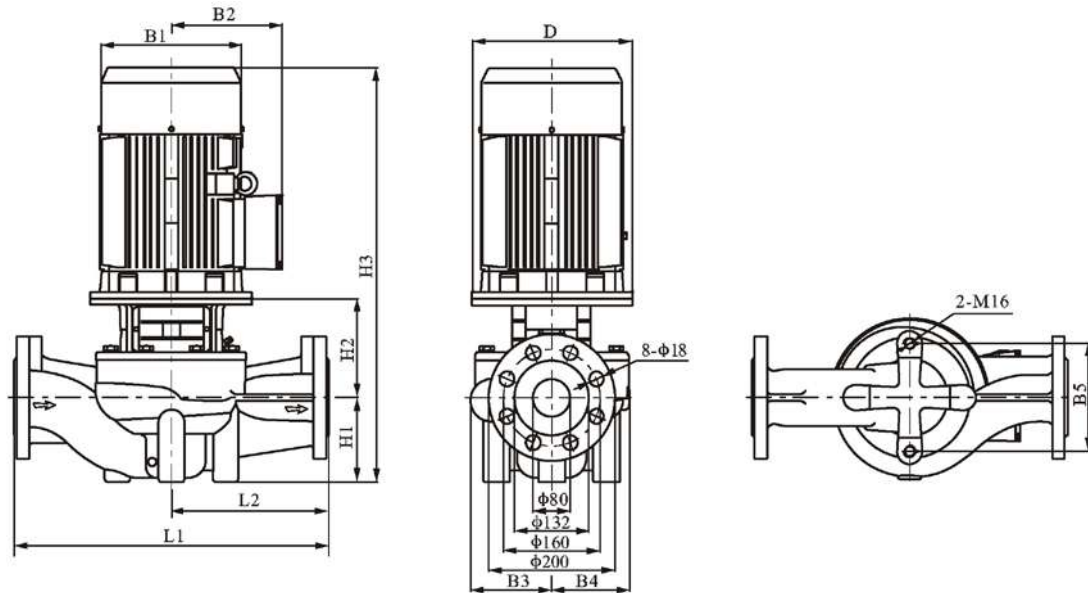
● Performance at 2900 r.p.m. 50 Hz



Manufactured for by **ISO 9001:2008**

Performance Table

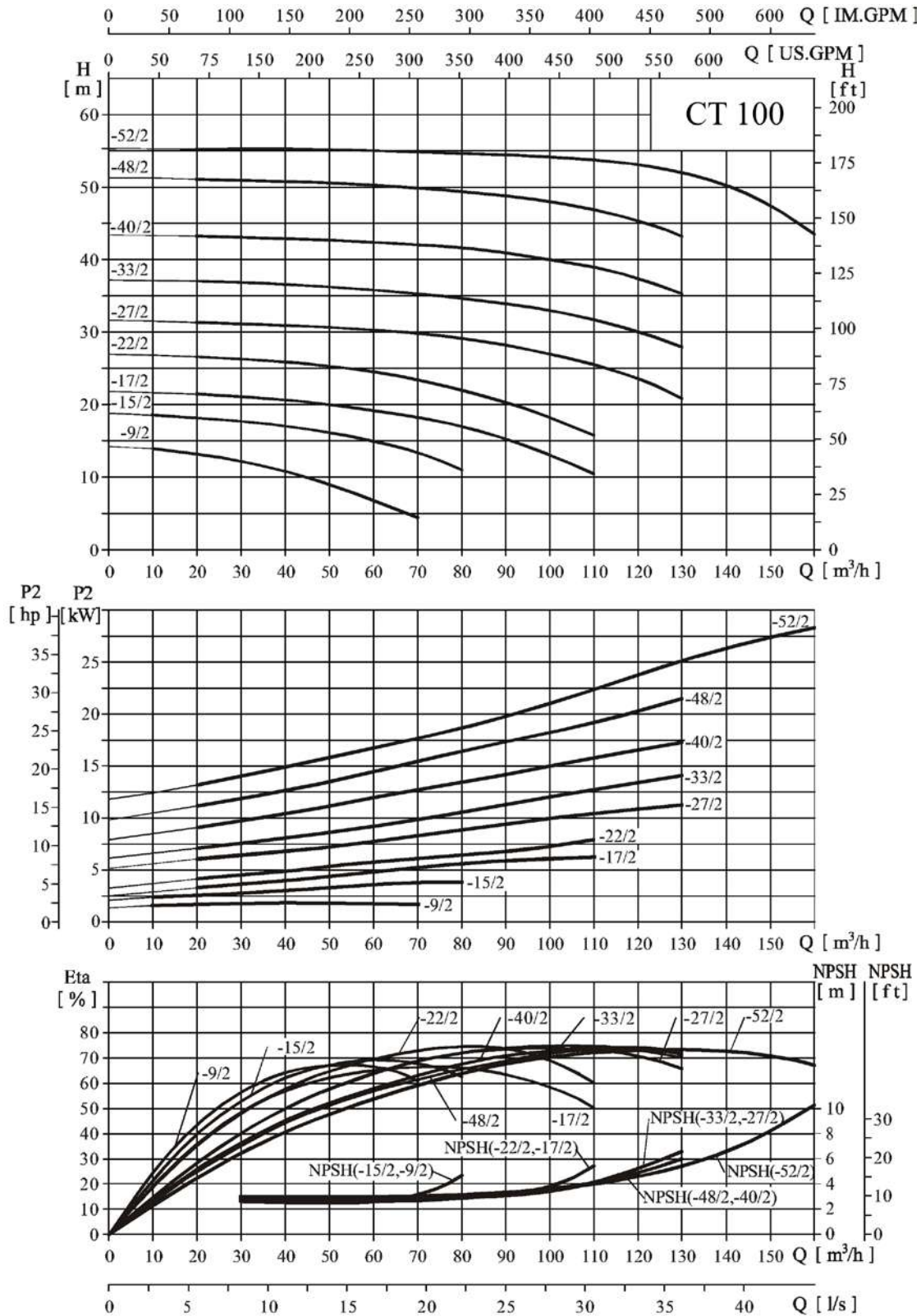
Type	(kW)	Q (m ³ /h)	10	20	30	40	50	60	70	80	90	100
ACT 80-13/2	3	H (m)	16,1	15,8	15,2	14,3	13	10,9				
ACT 80-18/2	4		21,1	20,8	20,2	19,2	18	16,2	13,2			
ACT 80-22/2	5,5		24,4	24,1	23,7	23	22	20,5	18	14,3		
ACT 80-28/2	7,5		30,6	30,4	30	29,3	28	26,3	24	20,6		
ACT 80-30/2	11		34,8	34,5	34,2	33,8	33,2	32,4	31,3	30	27,8	24,7
ACT 80-38/2	15		41,2	41,2	41,1	40,9	40,6	40,1	39,3	38	36	32,9
ACT 80-47/2	18,5		50,6	50,4	50	49,8	49,6	49,1	48,3	47	44,8	41,4
ACT 80-54/2	22		57	57	56,8	56,6	56,3	56	55,3	54	52,2	49,2
ACT 80-67/2	30		69,2	69	68,8	68,7	68,6	68,3	67,8	67	65,9	63,9



Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
ACT 80-13/2	160	197	165	142	124	160	97	219	661	450	225	84
ACT 80-18/2	160	230	188	142	124	160	97	219	671	450	225	91
ACT 80-22/2	200	260	208	142	124	160	97	241	728	450	225	114
ACT 80-28/2	200	260	208	142	124	160	97	241	728	450	225	117
ACT 80-30/2	350	330	255	182	163	144	115	279	894	500	250	194
ACT 80-38/2	350	330	255	182	163	144	115	279	894	500	250	204
ACT 80-47/2	350	330	255	182	163	144	115	279	944	500	250	222
ACT 80-54/2	350	330	255	182	163	144	115	279	969	500	250	258
ACT 80-67/2	400	400	310	182	163	144	115	279	1044	500	250	319

Manufactured for

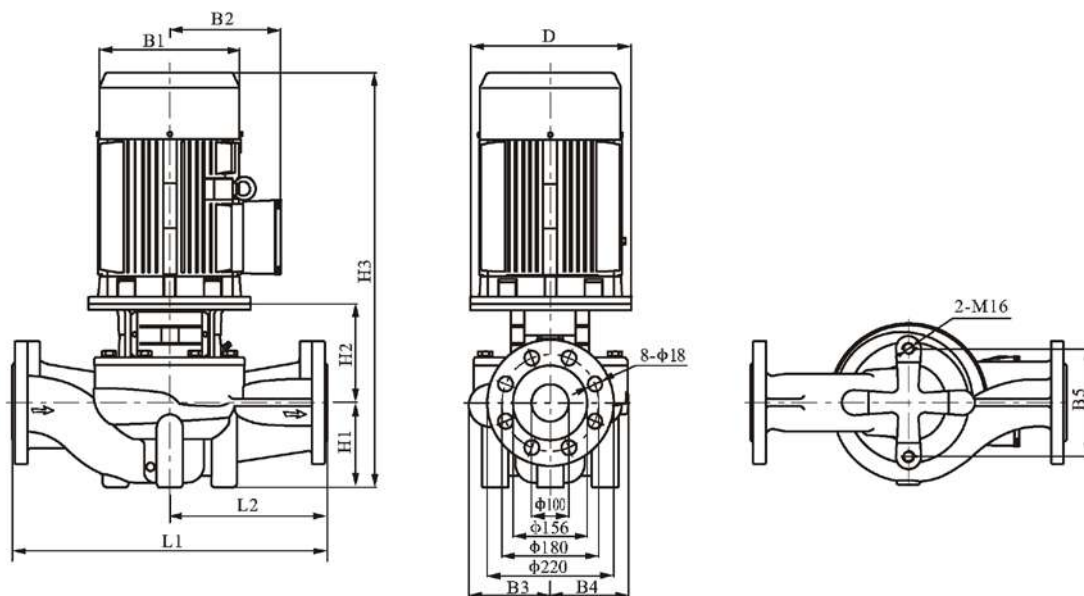

Performance at 2900 r.p.m. 50 Hz


Manufactured for



● Performance Table

Type	(kW)	Q (m ³ /h)	10	20	30	40	60	80	100	120	140	160
CT 100-9/2	2,2	H (m)	13,9	13,2	12,2	10,8	6,8					
CT 100-15/2	4		18,6	18,2	17,7	17,1	15	11				
CT 100-17/2	5,5		21,7	21,5	21,1	20,7	19,2	17	13			
CT 100-22/2	7,5		26,8	26,6	26,3	25,9	24,5	22	18,2			
CT 100-27/2	11		31,5	31,3	31,1	30,9	30,3	29,2	27	23,6		
CT 100-33/2	15		37,1	37	36,8	36,6	35,8	34,7	33	30,1		
CT 100-40/2	18,5		43,3	43,2	43,1	42,9	42,4	41,6	40	37,4		
CT 100-48/2	22		51,2	51,1	51	50,8	50,3	49,4	48	45,3		
CT 100-52/2	30		55,3	55,3	55,3	55,3	55,1	54,6	54,2	53,1	50	43,5



● Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
CT 100-9/2	140	175	155	134	101	160	105	178	573	450	225	65
CT 100-15/2	160	215	190	134	101	160	105	190	650	450	225	83
CT 100-17/2	200	260	205	150	117	144	140	215	745	500	250	119
CT 100-22/2	200	260	205	150	117	144	140	215	745	500	250	122
CT 100-27/2	350	350	245	147	123	144	140	260	900	550	275	183
CT 100-33/2	350	350	265	147	123	144	140	260	900	550	275	194
CT 100-40/2	350	350	265	181	152	230	140	270	960	550	275	224
CT 100-48/2	350	350	280	181	152	230	140	270	985	550	275	260
CT 100-52/2	400	400	305	181	152	230	140	270	1060	550	275	318

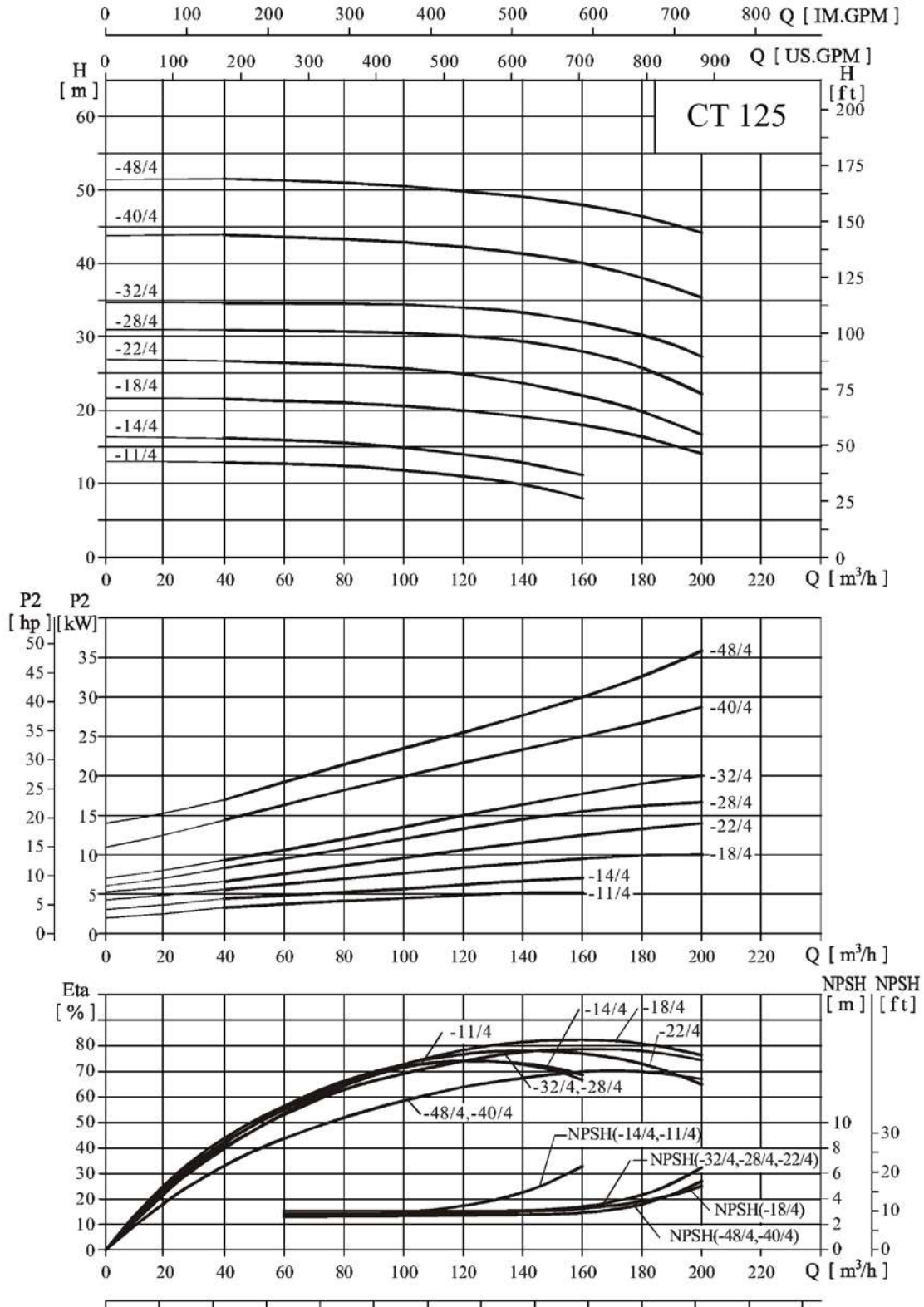
Manufactured for



BUREAU VERITAS
Certification
ISO 9001:2008



● Performance at 1450 r.p.m. 50 Hz

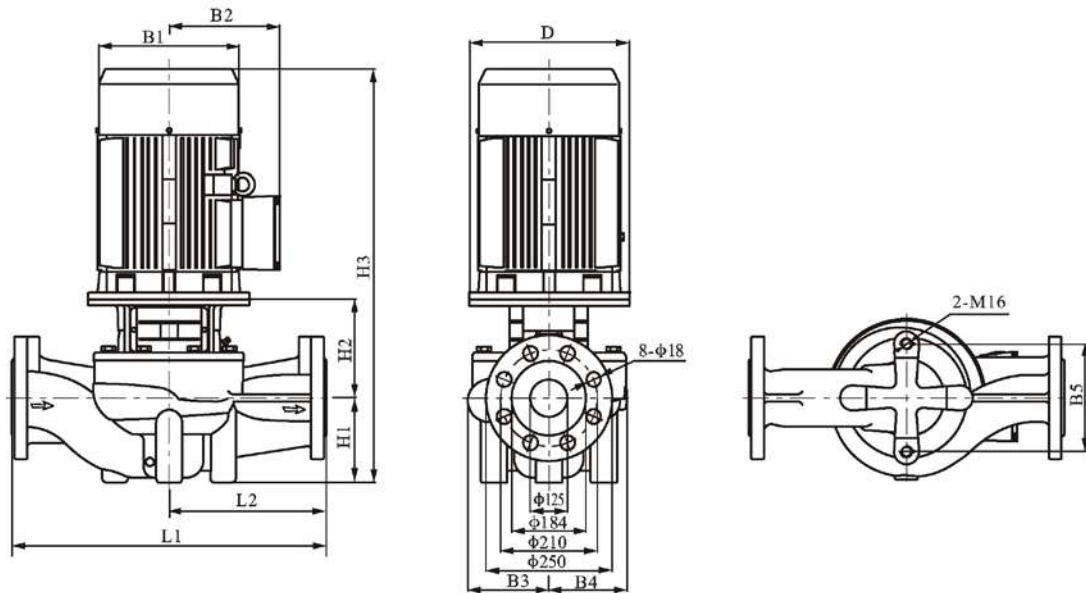


Manufactured for by

ISO 9001:2008

Performance Table

Type	(kW)	Q (m ³ /h)	40	60	80	100	120	140	160	180	200
CT 125-11/4	5,5	H (m)	12,9	12,7	12,4	11,8	11	9,9	8		
CT 125-14/4	7,5		16,2	15,9	15,5	14,9	14	12,8	11,2		
CT 125-18/4	11		21,5	21,3	21	20,6	19,9	19,1	18	16,4	14,1
CT 125-22/4	15		26,7	26,5	26,2	25,7	24,9	23,7	22	19,8	16,7
CT 125-28/4	18,5		30,9	30,8	30,7	30,5	30,1	29,3	28	25,8	22,2
CT 125-32/4	22		34,6	34,6	34,5	34,5	34	33,3	32	30,2	27,3
CT 125-40/4	30		43,9	43,6	43,3	42,9	42,2	41,3	40	38	35,4
CT 125-48/4	37		51,5	51,3	51	50,5	49,9	49,1	48	46,4	44,2



Dimension and weight

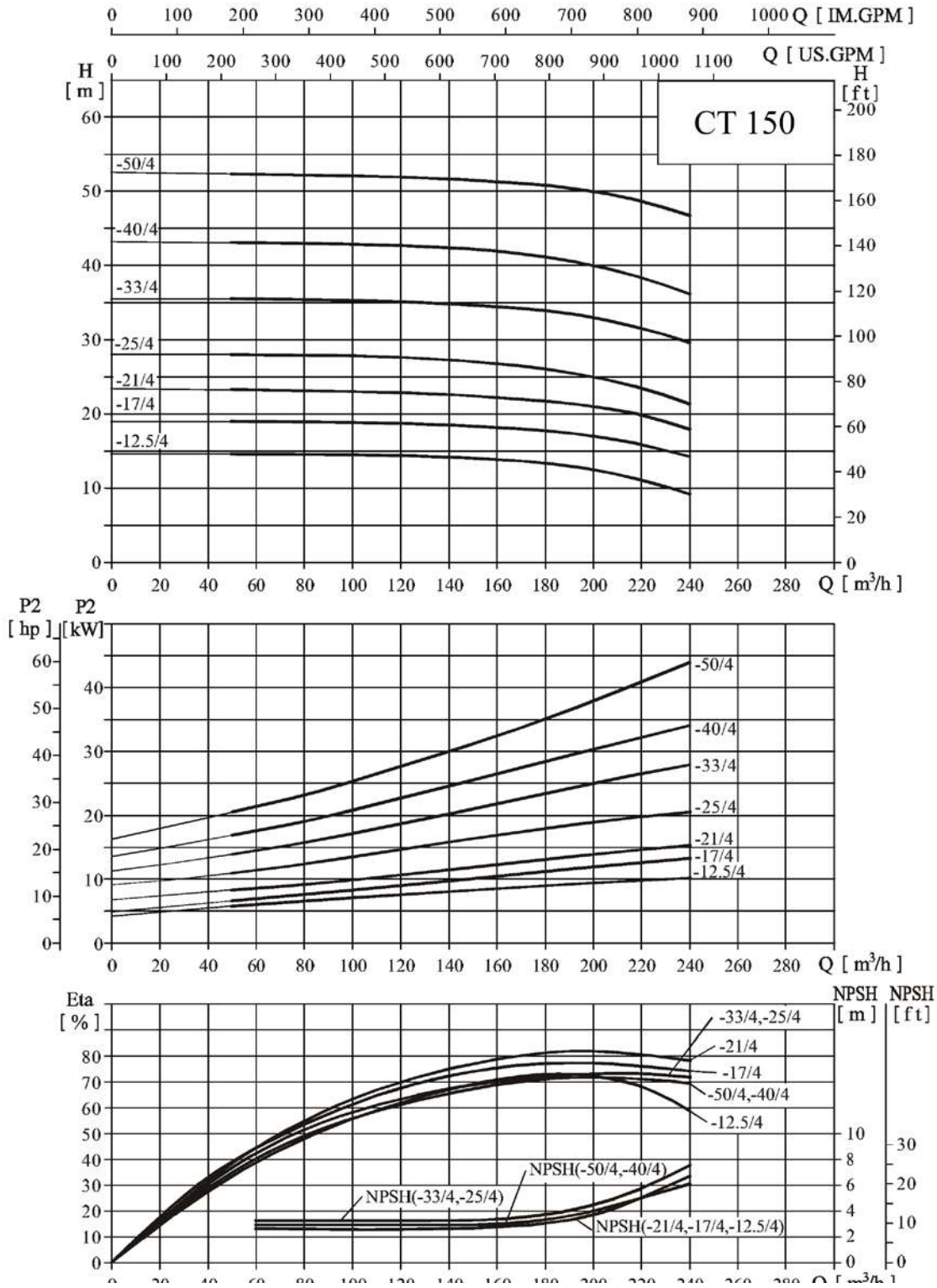
Τύπος Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Βάρος Weight (kg)
	(mm)											
CT 125-11/4	200	260	208	216	176	230	215	228	873	620	310	166
CT 125-14/4	200	260	208	216	176	230	215	228	873	620	310	169
CT 125-18/4	350	330	255	211	177	230	215	276	989	800	400	257
CT 125-22/4	350	330	255	236	208	230	215	292	1047	800	400	302
CT 125-28/4	350	330	255	236	208	230	215	292	1084	800	400	321
CT 125-32/4	350	330	255	236	208	230	215	292	1122	800	400	356
CT 125-40/4	400	400	310	272	248	230	215	315	1179	800	400	442
CT 125-48/4	450	450	325	272	248	230	215	315	1204	800	400	498

Manufactured for



ISO 9001:2008

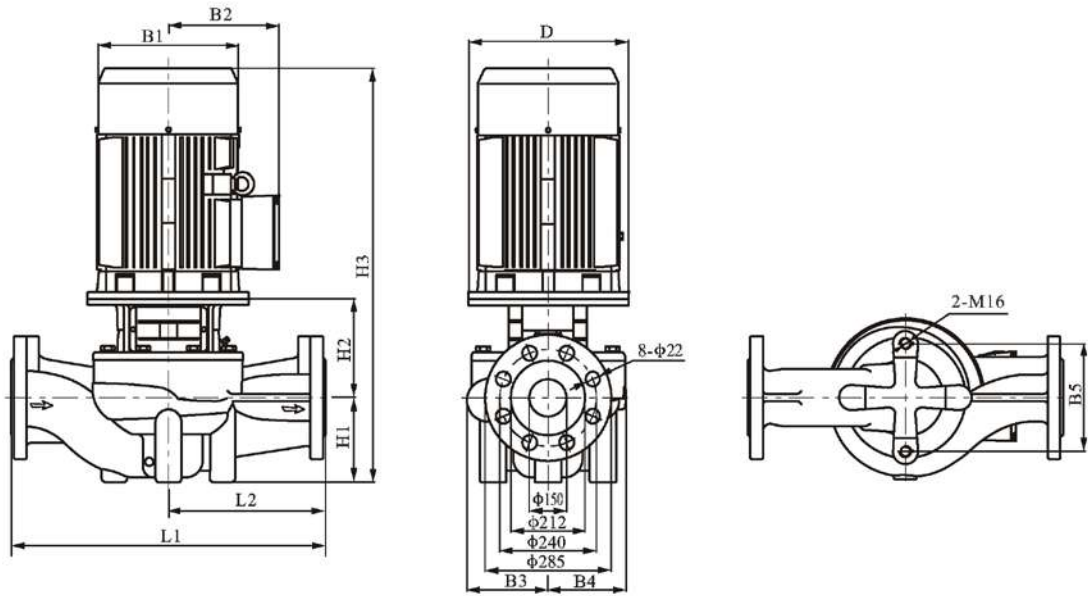
● Performance at 1450 r.p.m. 50 Hz



Manufactured for by **ISO 9001:2008**

● Performance Table

Type	(kW)	Q (m ³ /h)	50	80	110	140	170	200	220	240
CT 150-12.5/4	11	H (m)	14,6	14,5	14,4	14,2	13,7	12,5	11,1	9,2
CT 150-17/4	15		18,8	18,8	18,7	18,5	18	17	16,1	15
CT 150-21/4	18.5		23,3	23,1	22,9	22,6	22	21	19,8	17,9
CT 150-25/4	22		28	28	27,8	27,3	26,5	25	23,5	21,3
CT 150-33/4	30		35,5	35,4	35,2	34,8	34,2	33	31,5	29,6
CT 150-40/4	37		43,1	43	42,8	42,4	41,6	40	38,4	36,2
CT 150-50/4	45		52,4	52,4	52	51,7	51,1	50	48,7	46,7



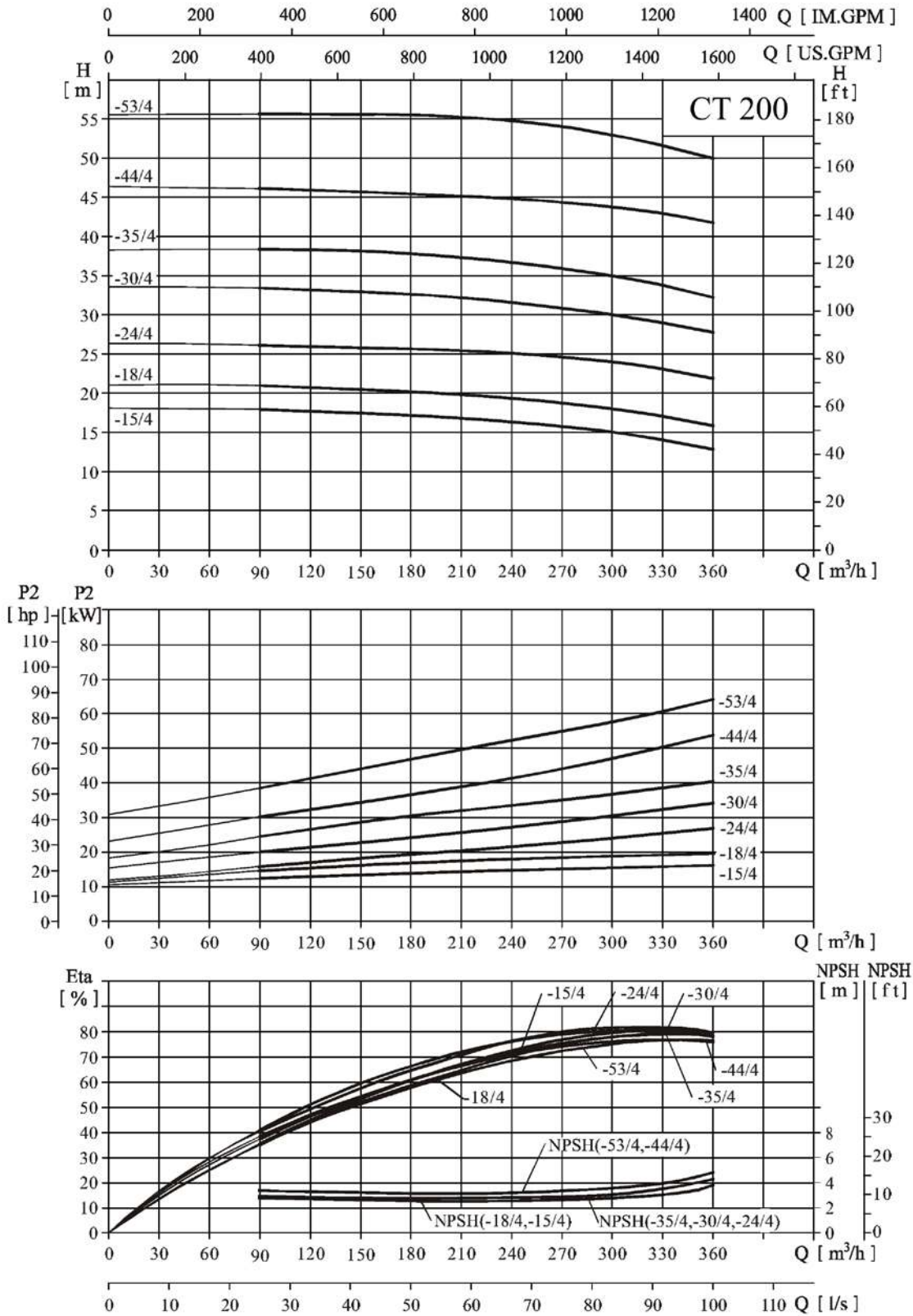
● Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
CT 150-12.5/4	350	315	250	217	180	230	215	272	985	800	400	257
CT 150-17/4	350	315	250	217	180	230	215	272	1027	800	400	278
CT 150-21/4	350	360	275	217	180	230	215	272	1064	800	400	313
CT 150-25/4	350	360	275	238	208	230	215	269	1099	800	400	354
CT 150-33/4	400	400	305	238	208	230	215	269	1133	800	400	406
CT 150-40/4	450	450	325	267	248	230	230	288	1188	900	450	511
CT 150-50/4	450	450	325	267	248	230	230	288	1215	900	450	548

Manufactured for



● Performance at 1450 r.p.m. 50 Hz

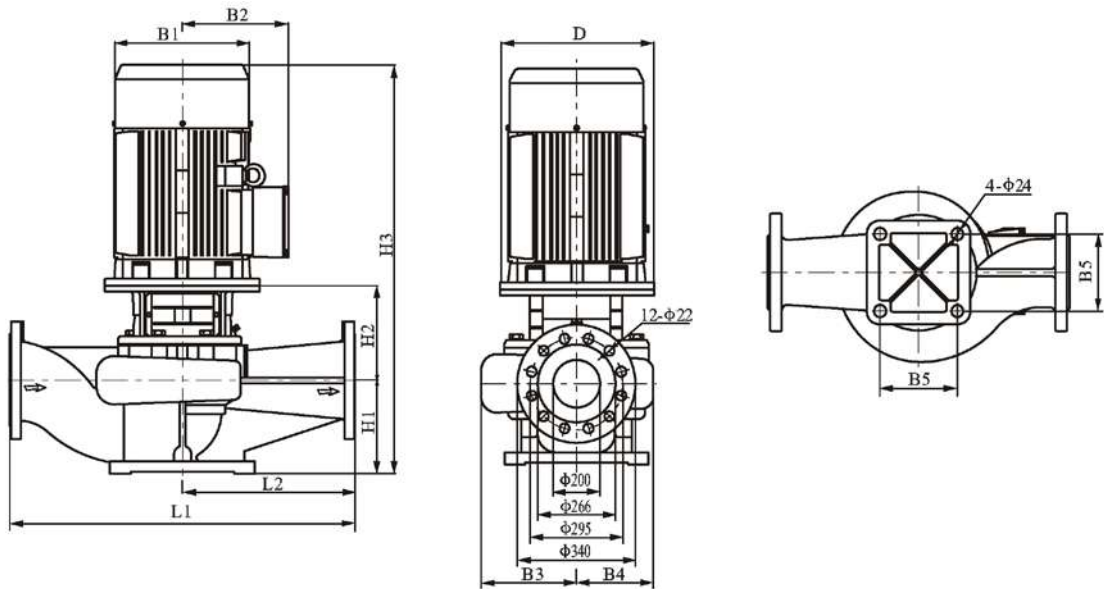


Manufactured for  by 

 
 ISO 9001:2008

Performance Table

Type	(kW)	Q (m ³ /h)	90	120	150	180	210	240	270	300	330	360
CT 200-15/4	18,5	H (m)	18	17,7	17,5	17,2	16,8	16,4	15,8	15	14,1	12,9
CT 200-18/4	22		21	20,7	20,5	20,2	19,8	19,4	18,8	18	17,1	15,8
CT 200-24/4	30		26,1	26	25,8	25,7	25,4	25,1	24,6	24	23,1	21,9
CT 200-30/4	37		33,4	33,2	33	32,6	32,2	31,6	30,9	30	29	27,7
CT 200-35/4	45		38,3	38,3	38,1	37,8	37,3	36,7	35,9	35	33,8	32,2
CT 200-44/4	55		46,3	46,1	45,9	45,6	45,4	45	44,6	44	43,1	41,9
CT 200-53/4	75		55,7	55,7	55,7	55,5	55,3	54,7	54	53	51,6	50



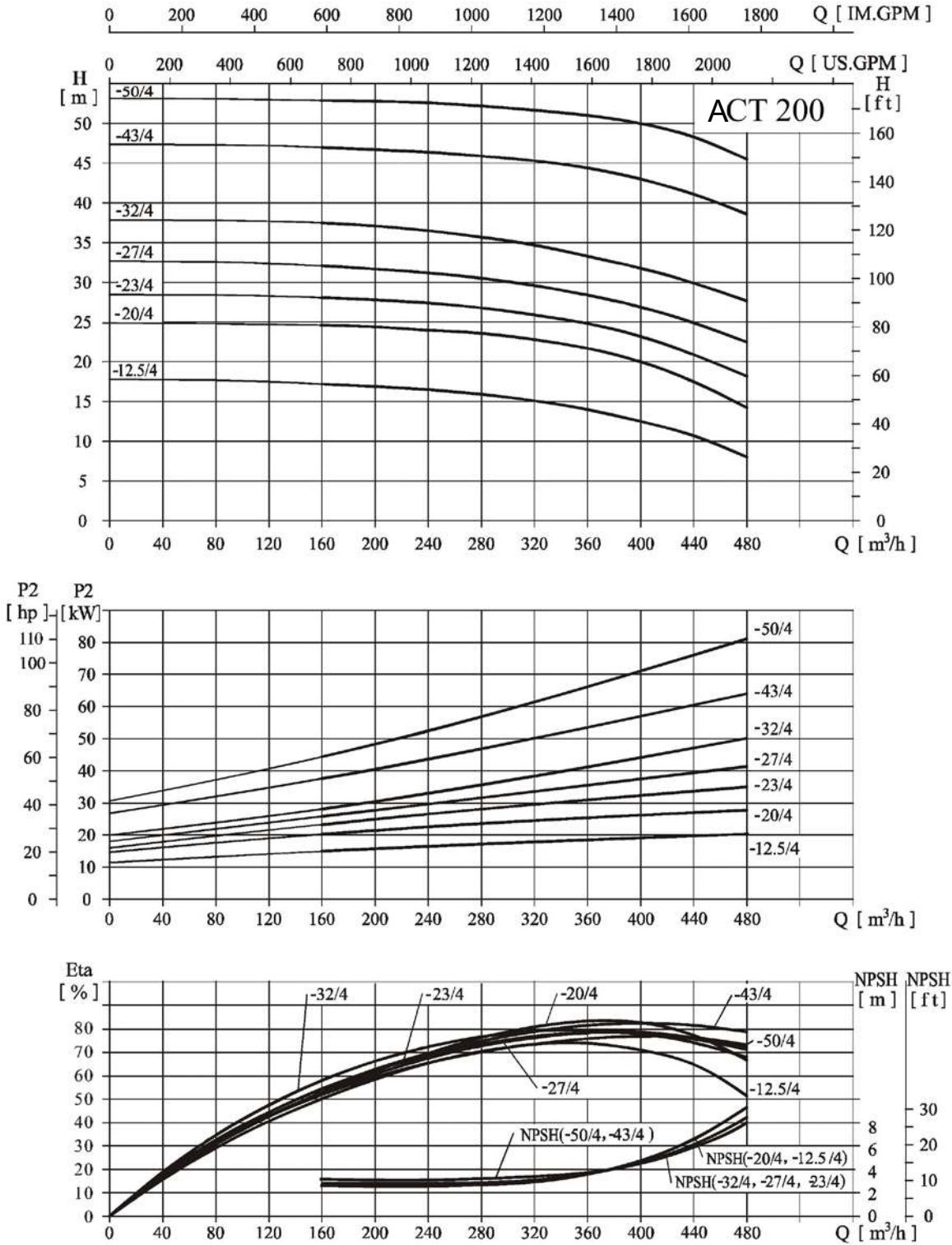
Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
CT 200-15/4	350	360	280	278	219	360	270	415	1262	1000	500	418
CT 200-18/4	350	360	280	278	219	360	270	415	1300	1000	500	435
CT 200-24/4	400	400	305	303	252	360	270	415	1334	1100	550	537
CT 200-30/4	450	450	335	303	252	360	270	445	1389	1100	550	603
CT 200-35/4	450	450	335	303	252	360	270	445	1412	1100	550	649
CT 200-44/4	550	490	365	315	269	360	270	457	1500	1100	550	751
CT 200-53/4	550	550	400	315	269	360	270	457	1556	1100	550	884

Manufactured for



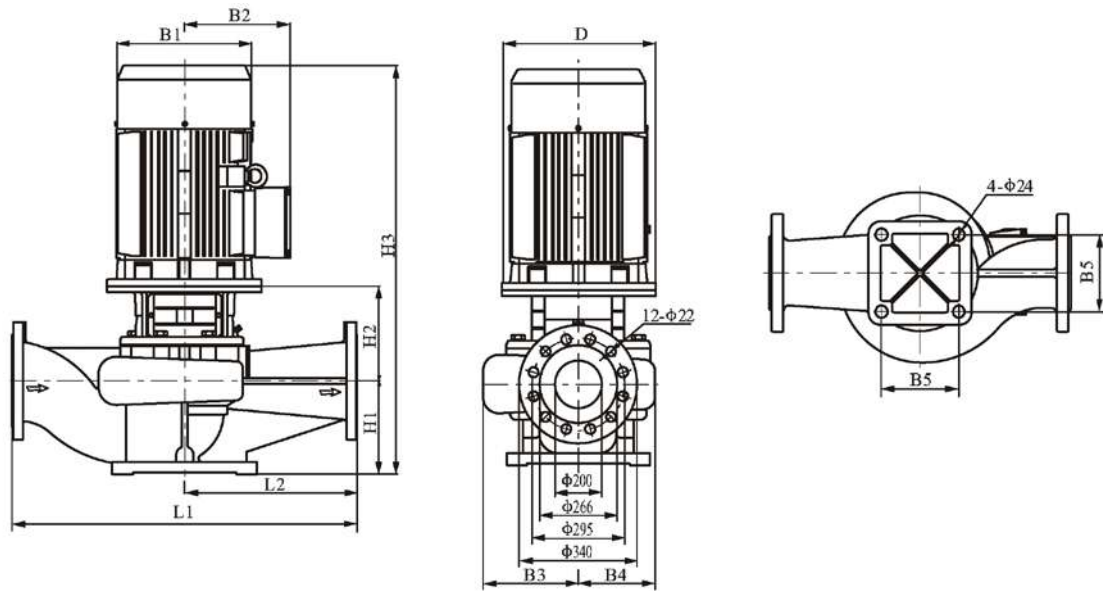
● Performance at 1450 r.p.m. 50 Hz



Manufactured for  by   
 ISO 9001:2008

● Performance Table

Type	(kW)	Q (m ³ /h)	160	200	240	280	320	360	400	440	480
ACT 200-12,5/4	22	H (m)	17,2	16,9	16,5	15,9	15,1	14	12,5	10,7	8
ACT 200-20/4	30		24,6	24,4	24	23,6	22,8	21,7	20	17,5	14,2
ACT 200-23/4	37		28,1	27,8	27,4	26,8	25,9	24,8	23	20,9	18,2
ACT 200-27/4	45		32,1	31,7	31,2	30,5	29,6	28,4	27	24,9	22,5
ACT 200-32/4	55		37,5	37,1	36,5	35,7	34,7	33,3	32	29,9	27,7
ACT 200-43/4	75		47	46,7	46,4	45,9	45,3	44,4	43	41,1	38,6
ACT 200-50/4	90		52,9	52,8	52,6	52,2	51,7	51	50	48,3	45,5



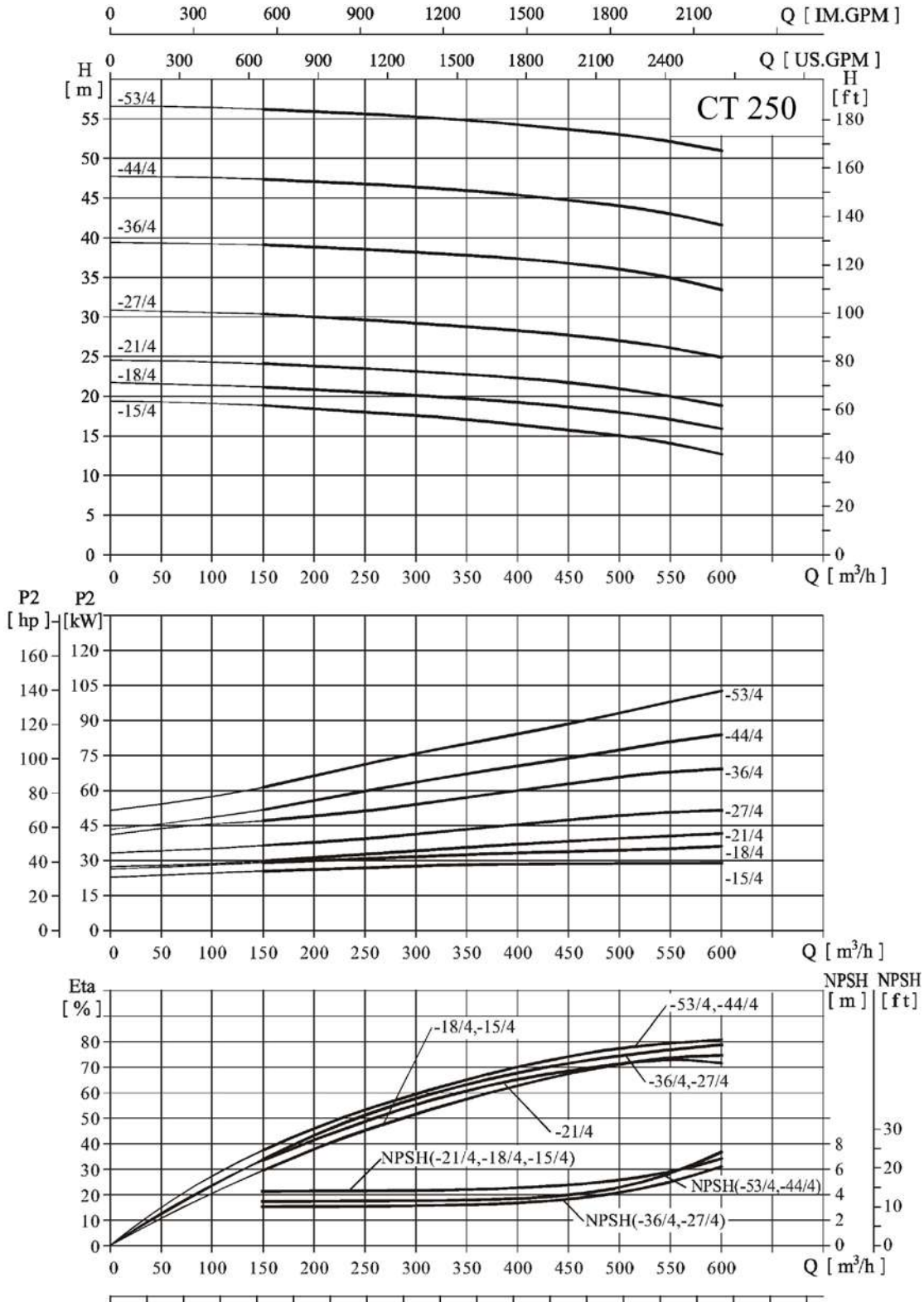
● Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
ACT 200-12,5/4	350	360	280	278	219	360	270	415	1300	1000	500	432
ACT 200-20/4	400	400	305	278	219	360	270	415	1334	1000	500	492
ACT 200-23/4	450	450	335	303	252	360	270	445	1389	1100	550	602
ACT 200-27/4	450	450	335	303	252	360	270	445	1412	1100	550	638
ACT 200-32/4	550	490	365	303	252	360	270	445	1488	1100	550	710
ACT 200-43/4	550	550	400	315	269	360	270	457	1556	1100	550	883
ACT 200-50/4	550	550	400	315	269	360	270	457	1607	1100	550	975

Manufactured for



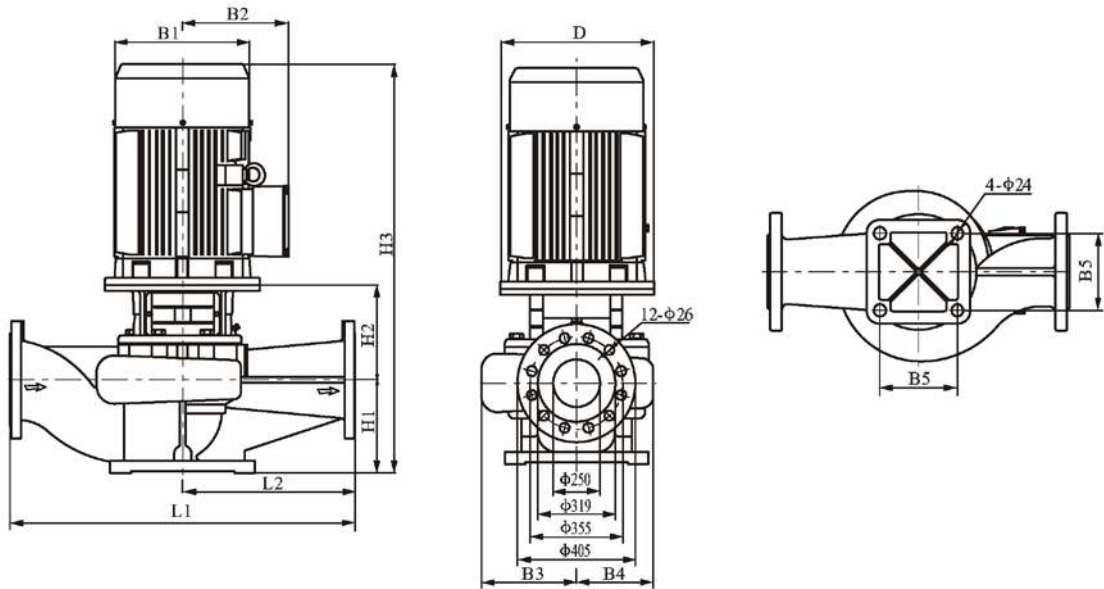
● Performance at 1450 r.p.m. 50 Hz



Manufactured for  by   
 ISO 9001:2008

● Performance Table

Type	(kW)	Q (m ³ /h)	150	200	250	300	350	400	450	500	550	600
CT 250-15/4	30	H (m)	18,8	18,4	18	17,6	17,1	16,4	15,8	15	14,1	12,7
CT 250-18/4	37		21,2	20,9	20,5	20,1	19,7	19,2	18,7	18	17,1	15,9
CT 250-21/4	45		24,1	23,8	23,5	23,1	22,8	22,3	21,8	21	20	18,8
CT 250-27/4	55		30,3	30	29,6	29,2	28,8	28,3	27,7	27	26,1	24,9
CT 250-36/4	75		39,1	38,8	38,5	38,2	37,8	37,3	36,8	36	35	33,4
CT 250-44/4	90		47,4	47,1	46,8	46,4	45,9	45,4	44,8	44	43	41,6
CT 250-53/4	110		56,2	55,9	55,6	55,3	54,8	54,3	53,7	53	52,1	50,9



● Dimension and weight

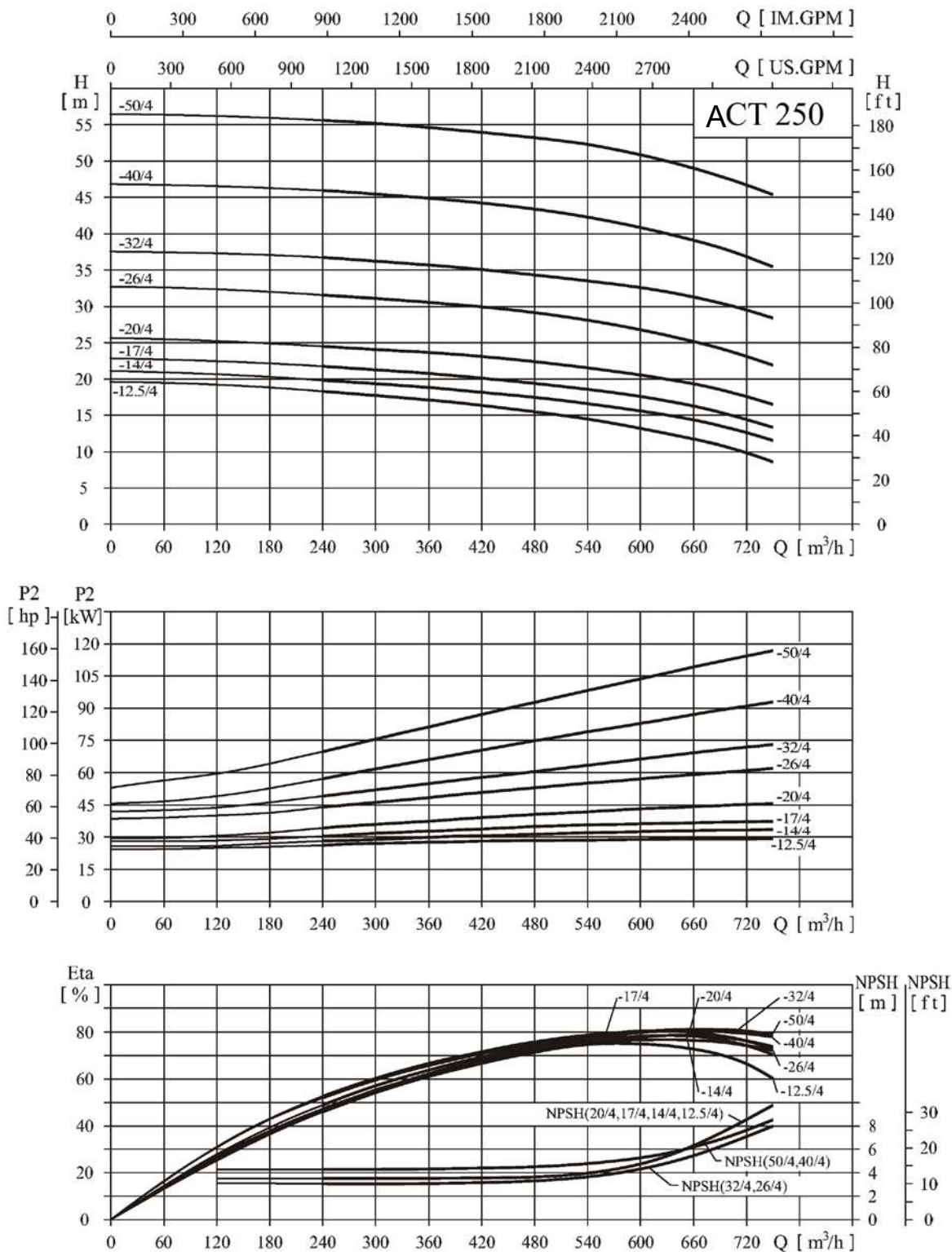
Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
CT 250-15/4	400	400	305	316	243	390	300	465	1414	1100	550	553
CT 250-18/4	450	450	335	316	243	390	300	495	1469	1100	550	614
CT 250-21/4	450	450	335	316	243	390	300	495	1492	1100	550	650
CT 250-27/4	550	490	365	329	264	440	300	507	1580	1100	550	780
CT 250-36/4	550	550	400	329	264	440	300	507	1636	1100	550	909
CT 250-44/4	550	550	400	347	292	440	305	485	1670	1200	600	1032
CT 250-53/4	660	625	555	347	292	440	305	525	1840	1200	600	1391

Manufactured for



ISO 9001:2008

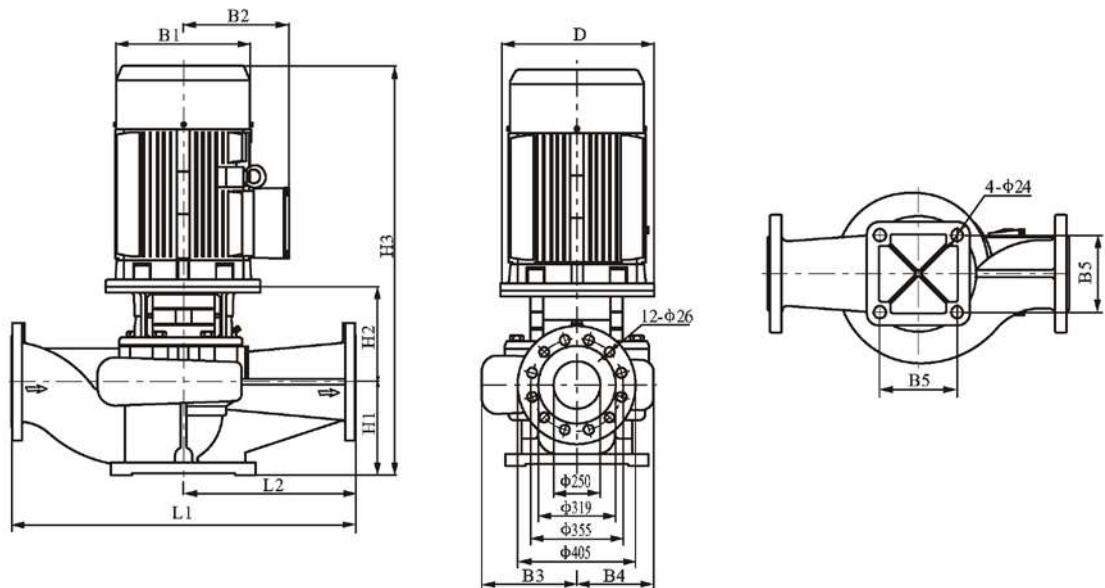
● Performance at 1450 r.p.m. 50 Hz



Manufactured for by **ISO 9001:2008**

Performance Table

Type	(kW)	Q (m ³ /h)	240	300	360	420	480	540	600	660	720	750
ACT 250-12,5/4	30	H (m)	18,4	17,9	17,2	16,4	15,5	14,5	13,2	11,8	9,9	8,7
ACT 250-14/4	37		20	19,5	18,9	18,2	17,5	16,6	15,6	14,3	12,6	11,6
ACT 250-17/4	45		21,8	21,3	20,8	20,1	19,4	18,6	17,6	16,3	14,4	13,4
ACT 250-20/4	55		24,5	24,1	23,7	23,1	22,4	21,5	20,5	19,3	17,6	16,5
ACT 250-26/4	75		31,7	31,1	30,6	29,9	29,1	28,2	26,8	25,2	23,1	21,9
ACT 250-32/4	90		36,7	36,3	35,7	35,1	34,3	33,5	32,6	31,3	29,5	28,4
ACT 250-40/4	110		46	45,5	44,9	44,2	43,4	42,3	40,8	39,1	36,8	35,5
ACT 250-50/4	132		55,6	55,2	54,6	53,9	53,2	52,3	50,9	49	46,7	45,4



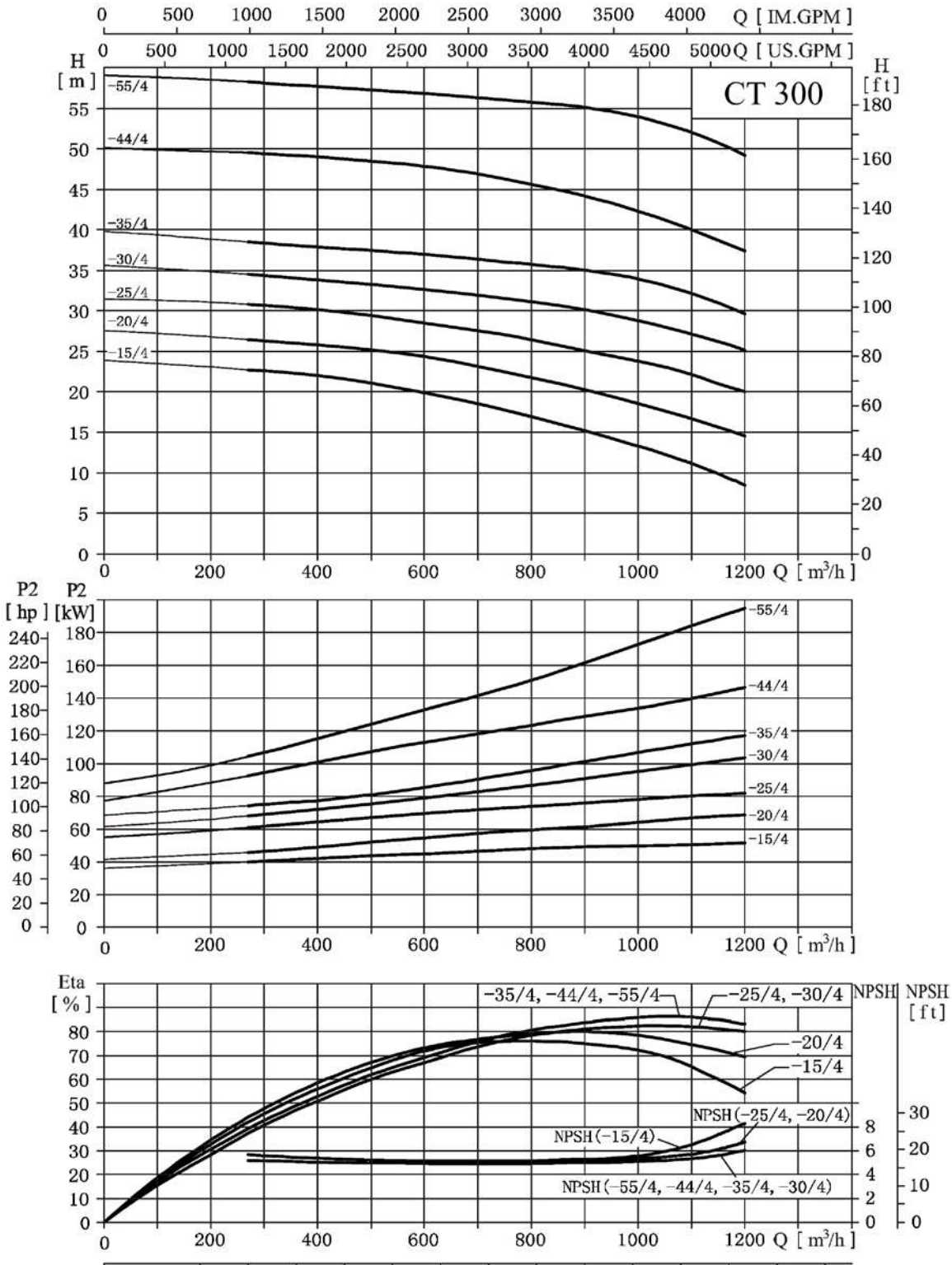
Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
ACT 250-12,5/4	400	400	305	316	243	390	300	465	1414	1100	550	552
ACT 250-14/4	450	450	335	316	243	390	300	495	1469	1100	550	613
ACT 250-17/4	450	450	335	316	243	390	300	495	1492	1100	550	649
ACT 250-20/4	550	490	365	316	243	390	300	495	1568	1100	550	722
ACT 250-26/4	550	550	400	329	264	440	300	507	1636	1100	550	909
ACT 250-32/4	550	550	400	329	264	440	300	507	1687	1100	550	999
ACT 250-40/4	660	625	555	347	292	440	305	525	1840	1200	600	1389
ACT 250-50/4	660	625	555	347	292	440	305	525	1990	1200	600	1473

Manufactured for



● Performance at 1450 r.p.m. 50 Hz

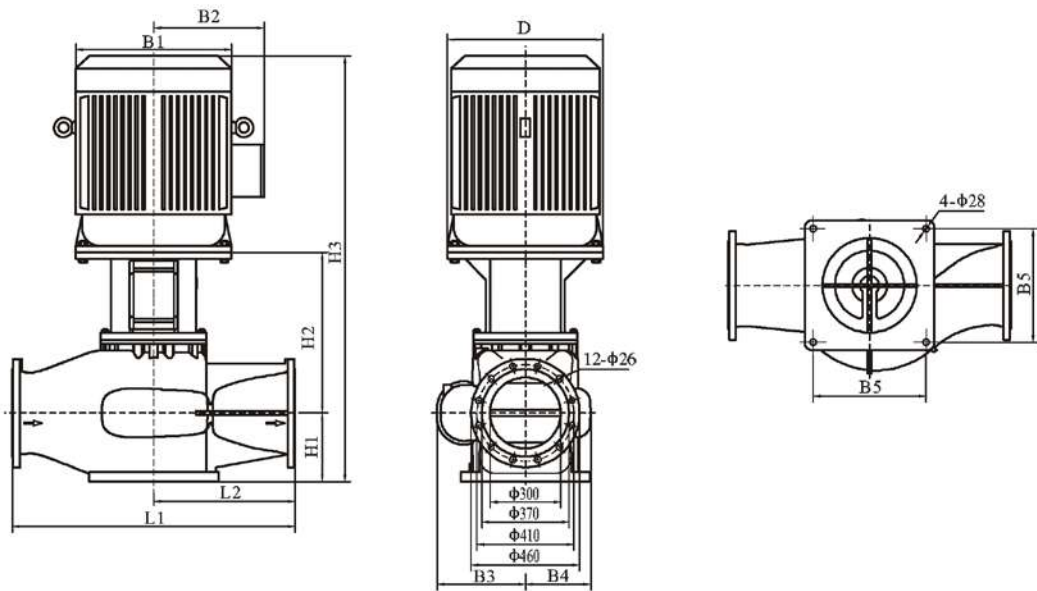


Manufactured for by

ISO 9001:2008

Performance Table

Type	(kW)	Q (m ³ /h)	270	360	450	630	750	900	1080	1200
ACT 300-15/4	55	H (m)	22,7	22,3	21,6	19,5	17,8	15	11,6	8,5
ACT 300-20/4	75		26,4	26	25,5	24,1	22,4	20	17,1	14,5
ACT 300-25/4	90		30,8	30,4	29,8	28,2	27,1	25	22,5	20
ACT 300-30/4	110		34,5	34	33,5	32,4	31,6	30	27,5	25
ACT 300-35/4	132		38,6	38,1	37,8	36,9	36	35	32,6	29,6
ACT 300-44/4	160		49,5	49,2	48,8	47,6	46,3	44	40,5	37,5
ACT 300-55/4	200		58,2	57,9	57,6	56,7	56,1	55	52,5	49,2



Dimension and weight

Type	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
	(mm)											
ACT 300-15/4	550	490	365	345	250	440	290	649	1720	1200	600	907
ACT 300-20/4	550	550	400	345	250	440	290	649	1770	1200	600	1075
ACT 300-25/4	550	550	400	380	280	480	290	659	1850	1200	600	1230
ACT 300-30/4	660	625	550	380	280	480	290	699	2000	1200	600	1570
ACT 300-35/4	660	625	550	380	280	480	290	699	2150	1200	600	1650
ACT 300-44/4	660	625	550	380	295	480	290	702	2150	1200	600	1790
ACT 300-55/4	660	625	550	380	295	480	290	702	2150	1200	600	1905

Friction Loss Table

Head Loss in mWC / 100 m Pipe Due to Friction (C = 150)
 C = 150 for High Density Polyethylene Pipe (HDPE)

Flow			Fr Loss & Velocity	Pipe Diameter (Inch)													
GPM	M3/H	L/sec		½"	¾"	1"	1-¼"	1-½"	2"	2-½"	3"	4"	5"	6"	8"	10"	12"
0.5	0.1	0.0	Friction loss (m WC)	0.8	0.1												
		0.0	Velocity (m/s)	0.25	0.11	0.06											
1	0.2	0.1	Friction loss (m WC)	2.9	0.4	0.1											
		0.1	Velocity (m/s)	0.50	0.22	0.12	0.08										
2	0.5	0.1	Friction loss (m WC)	10.5	1.5	0.4	0.1										
		0.1	Velocity (m/s)	1.00	0.44	0.25	0.16										
3	0.7	0.2	Friction loss (m WC)	22.2	3.1	0.8	0.3	0.1									
		0.2	Velocity (m/s)	1.49	0.66	0.37	0.24	0.17									
4	0.9	0.3	Friction loss (m WC)	37.9	5.3	1.3	0.4	0.2									
		0.3	Velocity (m/s)	1.99	0.89	0.50	0.32	0.22									
5	1.1	0.3	Friction loss (m WC)	57.2	7.9	2.0	0.7	0.3	0.1								
		0.3	Velocity (m/s)	2.49	1.11	0.62	0.40	0.28	0.16								
10	2.3	0.6	Friction loss (m WC)		28.6	7.1	2.4	1.0	0.2	0.1							
		0.6	Velocity (m/s)		2.21	1.24	0.80	0.55	0.31	0.20							
15	3.4	0.9	Friction loss (m WC)		60.6	14.9	5.0	2.1	0.5	0.2	0.1						
		0.9	Velocity (m/s)		3.32	1.87	1.19	0.83	0.47	0.30	0.21						
20	4.5	1.3	Friction loss (m WC)			25.4	8.6	3.5	0.9	0.3	0.1						
		1.3	Velocity (m/s)			2.49	1.59	1.11	0.62	0.40	0.28						
30	6.8	1.9	Friction loss (m WC)				18.2	7.5	1.8	0.6	0.3	0.1					
		1.9	Velocity (m/s)				2.39	1.66	0.93	0.60	0.41	0.23					
40	9.1	2.5	Friction loss (m WC)				30.9	12.7	3.1	1.1	0.4	0.1					
		2.5	Velocity (m/s)				3.19	2.21	1.24	0.80	0.55	0.31					
50	11.4	3.2	Friction loss (m WC)				46.7	19.2	4.7	1.6	0.7	0.2	0.1				
		3.2	Velocity (m/s)				3.98	2.77	1.56	1.00	0.69	0.39	0.25				
60	13.6	3.8	Friction loss (m WC)				65.5	26.9	6.6	2.2	0.9	0.2	0.1				
		3.8	Velocity (m/s)				4.78	3.32	1.87	1.19	0.83	0.47	0.30				
70	15.9	4.4	Friction loss (m WC)					35.8	8.8	3.0	1.2	0.3	0.1				
		4.4	Velocity (m/s)					3.87	2.18	1.39	0.97	0.54	0.35				
80	18.2	5.0	Friction loss (m WC)					45.9	11.3	3.8	1.6	0.4	0.1	0.1			
		5.0	Velocity (m/s)					4.43	2.49	1.59	1.11	0.62	0.40	0.28			
90	20.4	5.7	Friction loss (m WC)						14.1	4.7	2.0	0.5	0.2	0.1			
		5.7	Velocity (m/s)						2.80	1.79	1.24	0.70	0.45	0.31			
100	22.7	6.3	Friction loss (m WC)						17.1	5.8	2.4	0.6	0.2	0.1			
		6.3	Velocity (m/s)						3.11	1.99	1.38	0.78	0.50	0.35			
150	34.1	9.5	Friction loss (m WC)						36.1	12.2	5.0	1.2	0.4	0.2			
		9.5	Velocity (m/s)						4.67	2.99	2.07	1.17	0.75	0.52			
200	45.4	12.6	Friction loss (m WC)						20.8	8.5	2.1	0.7	0.3	0.1			
		12.6	Velocity (m/s)						3.98	2.77	1.56	1.00	0.69	0.39			
250	56.8	15.8	Friction loss (m WC)						12.9	3.2	1.1	0.4	0.1				
		15.8	Velocity (m/s)						3.46	1.94	1.24	0.86	0.49				
300	68.1	18.9	Friction loss (m WC)						18.1	4.5	1.5	0.6	0.2	0.1			
		18.9	Velocity (m/s)						4.15	2.33	1.49	1.04	0.58	0.37			
400	90.8	25.2	Friction loss (m WC)						7.6	2.6	1.1	0.3	0.1				
		25.2	Velocity (m/s)						3.11	1.99	1.38	0.78	0.50				
500	113.6	31.5	Friction loss (m WC)						11.5	3.9	1.6	0.4	0.1	0.1			
		31.5	Velocity (m/s)						3.89	2.49	1.73	0.97	0.62	0.43			
600	136.3	37.9	Friction loss (m WC)							5.4	2.2	0.5	0.2	0.1			
		37.9	Velocity (m/s)							2.99	2.07	1.17	0.75	0.52			
700	159.0	44.2	Friction loss (m WC)							7.2	3.0	0.7	0.2	0.1			
		44.2	Velocity (m/s)							3.48	2.42	1.36	0.87	0.61			
800	181.7	50.5	Friction loss (m WC)							9.2	3.8	0.9	0.3	0.1			
		50.5	Velocity (m/s)							3.98	2.77	1.56	1.00	0.69			
900	204.4	56.8	Friction loss (m WC)							4.7	1.2	0.4	0.2				
		56.8	Velocity (m/s)							3.11	1.75	1.12	0.78				
1000	227.1	63.1	Friction loss (m WC)							5.7	1.4	0.5	0.2				
		63.1	Velocity (m/s)							3.46	1.94	1.24	0.86				
1200	272.5	75.7	Friction loss (m WC)							8.0	2.0	0.7	0.3				
		75.7	Velocity (m/s)							4.15	2.33	1.49	1.04				
1500	340.7	94.6	Friction loss (m WC)							12.1	3.0	1.0	0.4				
		94.6	Velocity (m/s)							5.19	2.92	1.87	1.30				
2000	454.2	126.2	Friction loss (m WC)								5.1	1.7	0.7				
		126.2	Velocity (m/s)								3.89	2.49	1.73				
3000	681.4	189.3	Friction loss (m WC)									3.6	1.5				
		189.3	Velocity (m/s)									3.73	2.59				

Notes:

1. Values shown above are used in the Hazen-Williams Equation for flow in pipes. Feet of head loss values shown in the tables were developed using the Hazen-Williams equation.

2. Feet of head loss values are subject to the following conditions:

- a) Pipes carrying clear water at approximately 60° F (15.6° C).
- b) Pipes are flowing full.
- c) Velocities of water are generally less than 3 m/sec.

Note: HDPE is commonly sized by outside diameter. If in doubt, use the next smaller pipe size.



P u m p S o l u t i o n P r o v i d e r

