

TPV Series

Vertical multistage jockey pumps
60 Hz

PRODUCT CATALOGUE



VERTICAL MULTISTAGE PUMPS

Energy Saving & Low-Noise



Product Description

TPV is a low-noise, energy-saving multistage pump. It is built to ensure durability and easy operation, making it a reliable choice for many applications. Featuring a high-efficiency motor with IP55 class F protection, a techno-polymer impeller, and cast iron G20 thread suction and discharge ports, this pump is built to last. Plus, it includes quality NSK bearing and a wear-resistant mechanical seal. The compact and proportional design makes it a great option.

Applications

TPV can be used for household, irrigation, car wash, fire protection systems, air conditioning and pressure boosting in water networks.

Operating Data

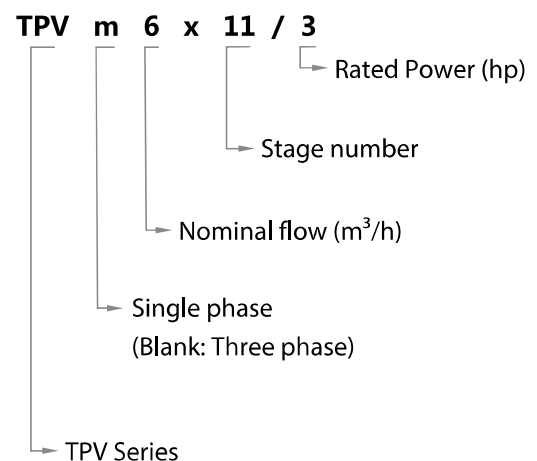
- Flow: 0 - 48 m³/h
- Head: 0 - 224 m
- DN: 25 - 65 mm
- Medium: clean water or non-aggressive liquid (free of solids or fiber)
- Medium temperature: -10 ~ 120 °C
- Max. ambient temperature: -10 ~ 50 °C
- Max. working pressure: 25 bar

Motor

- Insulation Class: F
- Protection Class: IP55
- Continuous Service: S1
- Power: 1.1 - 11 kW
- Frequency: 60 Hz
- Voltage: 220/380/400/440 V
- Speed: 3500 rpm



Model Description



PRODUCT OVERVIEW

Reliable & Durable

Technical Data

60 Hz n=3500 1/min

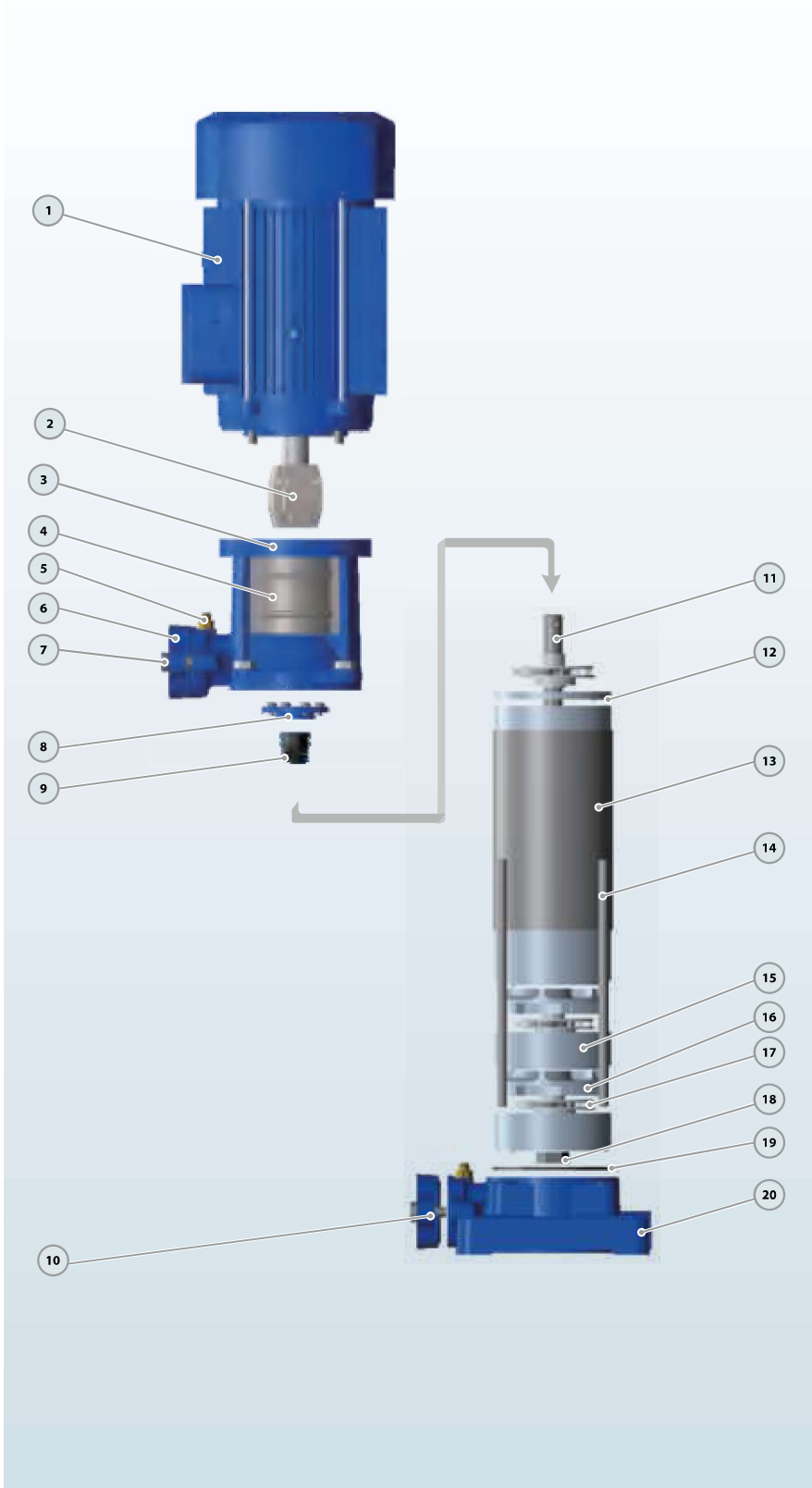
MODEL	DN mm	Power kw hp		Q=DELIVERY																				
				us gpm	5	11	13	16	19	21	24	26	29	32	37	42	48	53	58	63	69	74	79	
				l/min	20	40	50	60	70	80	90	100	110	120	140	160	180	200	220	240	260	280	300	
				m ³ /h	1.2	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	
					H=Head (m)																			
TPV 4x4/1.5	25x25	1.1	1.5	52	49	46	44	41	39	37	33	30	27	23										
TPV 4x6/2	25x25	1.5	2	77	74	69	66	63	58	55	50	45	40	34										
TPV 4x8/3	25x25	2.2	3	104	99	92	88	84	78	73	66	60	53	45										
TPV 4x10/4	25x25	3	4	129	124	116	110	104	97	91	83	75	66	57										
TPV 4x13/5.5	25x25	4	5.5	168	161	150	143	136	126	119	108	97	86	74										
TPV 4x16/7.5	25x25	5.5	7.5	206	198	185	177	167	156	146	133	119	106	91										
TPV 6x3/1.5	32x32	1.1	1.5	40				36	35	33	31	30	28	26	22	17								
TPV 6x5/2	32x32	1.5	2	66				60	58	55	52	50	47	43	36	28								
TPV 6x7/3	32x32	2.2	3	92				85	81	78	73	70	66	61	51	40								
TPV 6x9/4	32x32	3	4	119				109	104	100	94	90	84	78	65	51								
TPV 6x12/5.5	32x32	4	5.5	159				145	139	133	125	120	113	104	87	68								
TPV 6x16/7.5	32x32	5.5	7.5	197				180	173	165	156	150	140	130	108	85								
TPV 8x4/2	40x40	1.5	2	53						44	42	41	39	37	33	29	23	17	12					
TPV 8x6/3	40x40	2.2	3	79						66	64	61	59	56	50	44	35	26	18					
TPV 8x8/4	40x40	3	4	105						88	85	82	78	74	66	58	46	34	24					
TPV 8x10/5.5	40x40	4	5.5	132						110	106	102	98	93	83	73	58	43	30					
TPV 8x13/7.5	40x40	5.5	7.5	171						143	138	133	127	121	108	95	75	56	39					
TPV 8x17/10	40x40	7.5	10	224						187	180	173	167	158	141	124	99	73	51					
TPV 12x3/2	50x50	1.5	2	44								43	42	41	40	38	36	33	30	27	24	20	17	
TPV 12x4/3	50x50	2.2	3	59								58	57	55	53	50	48	44	40	36	32	27	23	
TPV 12x5/4	50x50	3	4	73								72	71	69	66	63	60	55	50	45	40	34	29	
TPV 12x7/5.5	50x50	4	5.5	102								101	99	97	92	88	84	77	70	63	56	48	40	
TPV 12x9/7.5	50x50	5.5	7.5	132								130	127	124	119	113	108	99	90	81	71	61	51	
TPV 12x11/10	50x50	7.5	10	161								159	155	152	145	138	131	121	110	99	87	75	63	
TPV 12x15/15	50x50	11	15	220								217	212	207	198	189	179	165	150	136	119	102	86	

MODEL	DN mm	Power kw hp		Q=DELIVERY									
				us gpm	26	53	79	106	132	159	185	211	
				l/min	100	200	300	400	500	600	700	800	
				m ³ /h	6	12	18	24	30	36	42	48	
					H=Head (m)								
TPV 30x5/10	65x65	7.5	10	105	100	93	86	78	67	54	36	4	
TPV 30x6/12	65x65	9.2	12.5	126	120	112	103	94	80	65	44	5	
TPV 30x8/15	65x65	11	15	168	158	149	138	124	106	86	58	6	

Material

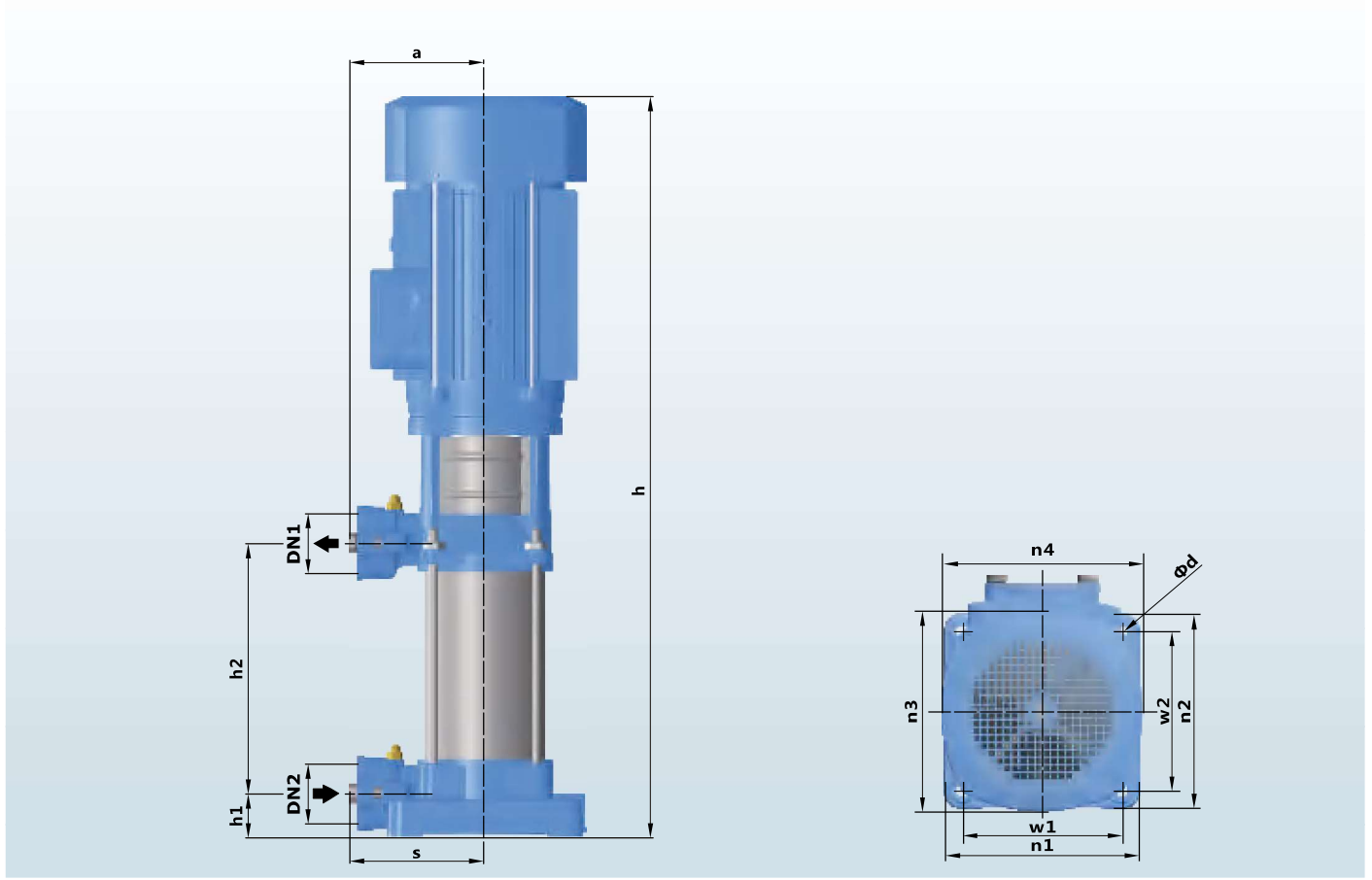
- Casing: Grey cast iron
- Impeller: Plastic
- Shaft: Stainless Steel 304
- Shaft Seal: Mechanical seal

MATERIAL DESCRIPTION



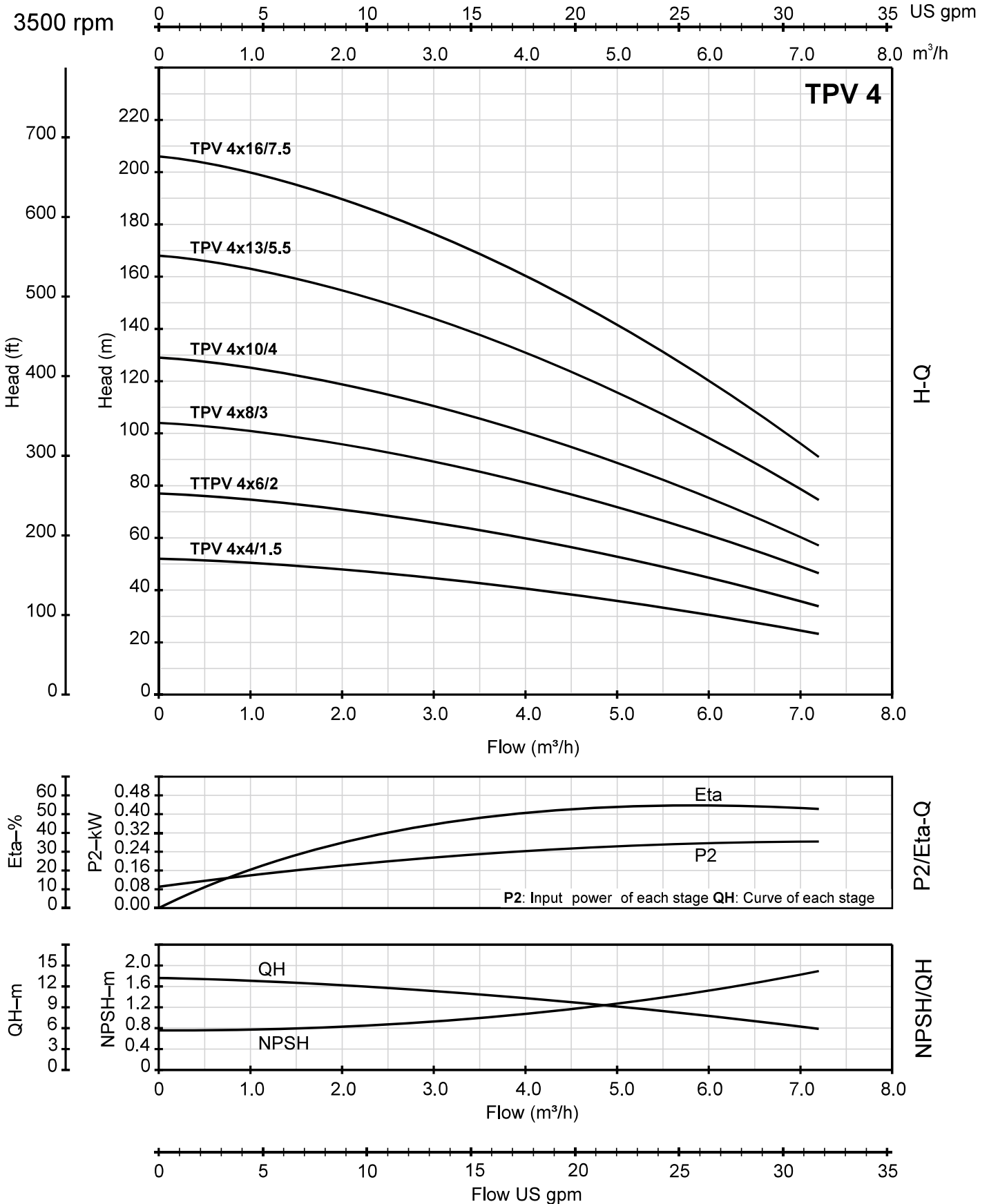
No.	Description	Material
1	Motor	IP55 / Class F
2	Coupling	Iron
3	Discharge Body	Cast iron
4	Cover	SS304
5	Release Valve	Brass
6	Discharge	Cast iron
7	Bolt	Steel
8	Seal Cover	Cast iron
9	Mechanical Seal	SiC/Carbon/SS304
10	Suction	Cast iron
11	Pump Shaft	SS304
12	Diffuser Top Cover	Techno-polymer
13	Pump Cover	SS304
14	Through Bolt	Steel
15	Diffuser Cover	Techno-polymer with SS304 ring
16	Diffuser	Techno-polymer with SS304 ring
17	Impeller	Techno-polymer
18	Impeller Nut	Galvanized Steel
19	O-ring	Rubber
20	Suction Body	Cast iron

DIMENSIONS & WEIGHT

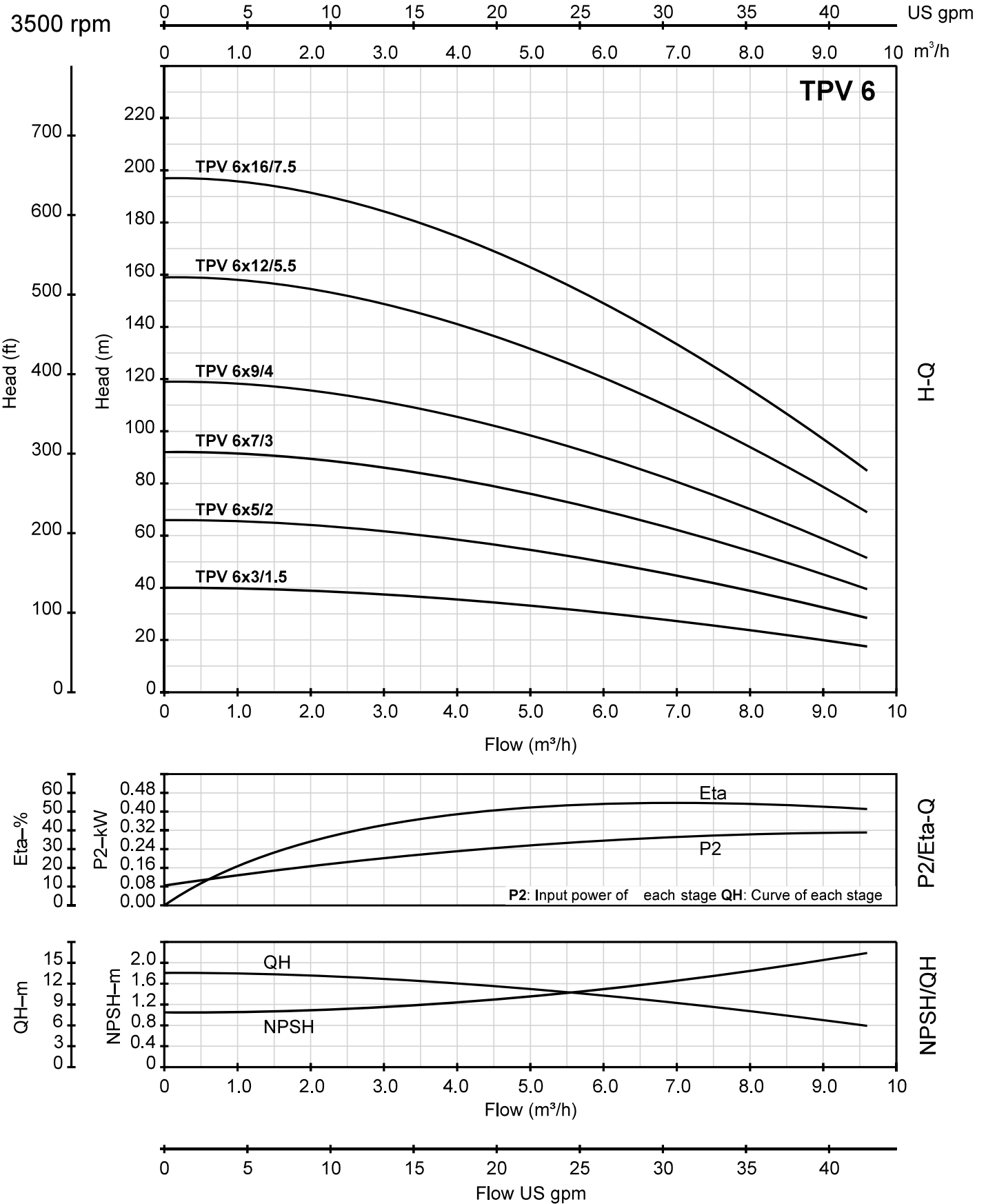


MODEL		DIMENSIONS (mm)															kg	
Single-phase	Three-phase	DN1	DN2	N	a	s	h	h1	h2	w1	w2	n1	n2	n3	n4	d	1~	3~
TPV 4x4/1.5	TPV 4x4/1.5	25/32	25/32	4	141	141	615.5	45.5	156.5	165	165	202	202	175	175	12	27.0	26.0
TPV 4x6/2	TPV 4x6/2	25/32	25/32	6	141	141	685.5	45.5	226.5	165	165	202	202	175	175	12	32.0	31.0
TPV 4x8/3	TPV 4x8/3	25/32	25/32	8	141	141	755.5	45.5	296.5	165	165	202	202	175	175	12	37.0	36.0
TPV 4x10/4	TPV 4x10/4	25/32	25/32	10	141	141	822.5	45.5	366.5	165	165	202	202	195	195	12	47.0	46.0
-	TPV 4x13/5.5	25/32	25/32	13	141	141	977.5	45.5	471.5	165	165	202	202	195	195	12	-	51.0
-	TPV 4x16/7.5	25/32	25/32	16	141	141	1132.5	45.5	576.5	165	165	202	202	204	204	12	-	61.0
TPV 6x3/1.5	TPV 6x3/1.5	25/32	25/32	3	141	141	580.5	45.5	121.5	165	165	202	202	175	175	12	26.0	25.0
TPV 6x5/2	TPV 6x5/2	25/32	25/32	5	141	141	650.5	45.5	191.5	165	165	202	202	175	175	12	31.0	30.0
TPV 6x7/3	TPV 6x7/3	25/32	25/32	7	141	141	720.5	45.5	261.5	165	165	202	202	175	175	12	36.0	35.0
TPV 6x9/4	TPV 6x9/4	25/32	25/32	9	141	141	837.5	45.5	331.5	165	165	202	202	195	195	12	46.0	45.0
-	TPV 6x12/5.5	25/32	25/32	12	141	141	942.5	45.5	436.5	165	165	202	202	195	195	12	-	50.0
-	TPV 6x16/7.5	25/32	25/32	16	141	141	1132.5	45.5	576.5	165	165	202	202	204	204	12	-	60.0
TPV 8x4/2	TPV 8x4/2	40/50	40/50	4	141	141	615.5	45.5	156.5	165	165	202	202	175	175	12	30.0	29.0
TPV 8x6/3	TPV 8x6/3	40/50	40/50	6	141	141	685.5	45.5	226.5	165	165	202	202	175	175	12	35.0	34.0
TPV 8x8/4	TPV 8x8/4	40/50	40/50	8	141	141	802.5	45.5	296.5	165	165	202	202	195	195	12	45.0	44.0
-	TPV 8x10/5.5	40/50	40/50	10	141	141	872.5	45.5	366.5	165	165	202	202	195	195	12	-	49.0
-	TPV 8x13/7.5	40/50	40/50	13	141	141	1027.5	45.5	471.5	165	165	202	202	204	204	12	-	59.0
-	TPV 8x17/10	40/50	40/50	17	141	141	1167.5	45.5	611.5	165	165	202	202	204	204	12	-	64.0
TPV 12x3/2	TPV 12x3/2	40/50	40/50	3	141	141	580.5	45.5	121.5	165	165	202	202	175	175	12	28.0	27.0
TPV 12x4/3	TPV 12x4/3	40/50	40/50	4	141	141	615.5	45.5	156.5	165	165	202	202	175	175	12	33.0	32.0
TPV 12x5/4	TPV 12x5/4	40/50	40/50	5	141	141	697.5	45.5	191.5	165	165	202	202	195	195	12	41.0	40.0
-	TPV 12x7/5.5	40/50	40/50	7	141	141	767.5	45.5	261.5	165	165	202	202	195	195	12	-	45.0
-	TPV 12x9/7.5	40/50	40/50	9	141	141	887.5	45.5	331.5	165	165	202	202	204	204	12	-	55.0
-	TPV 12x11/10	40/50	40/50	11	141	141	957.5	45.5	401.5	165	165	202	202	204	204	12	-	62.0
-	TPV 12x15/15	40/50	40/50	15	141	141	1127.5	45.5	541.5	165	165	202	202	260	260	12	-	80.0
-	TPV 30x5/10	50/65	50/65	5	170	170	939	62	309	187	187	230	230	260	260	12	-	84.0
-	TPV 30x6/12	50/65	50/65	6	170	170	993	62	362.5	187	187	230	230	260	260	12	-	90.0
-	TPV 30x8/15	50/65	50/65	8	170	170	1100	62	469.5	187	187	230	230	260	260	12	-	97.0

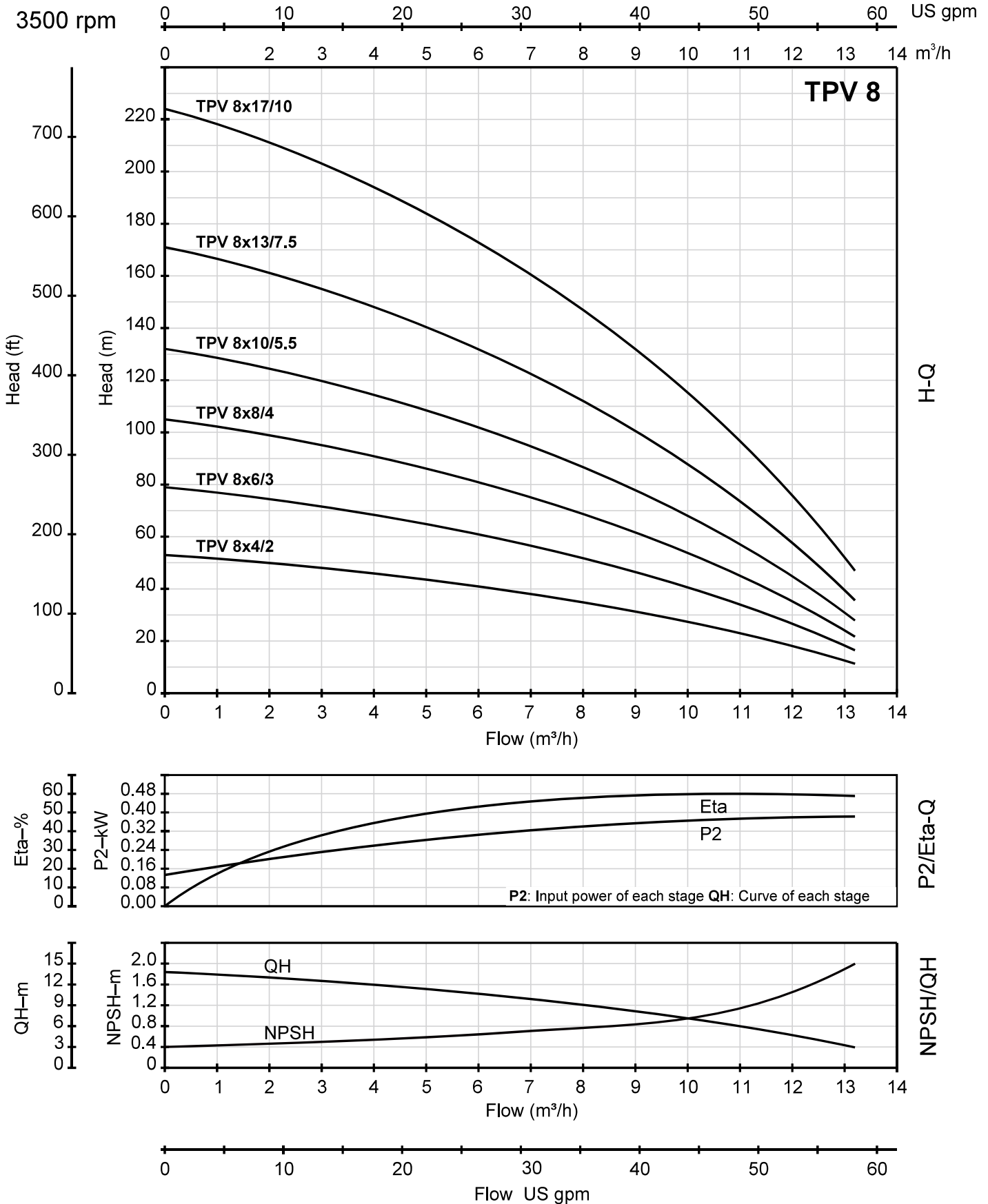
PERFORMANCE CURVES



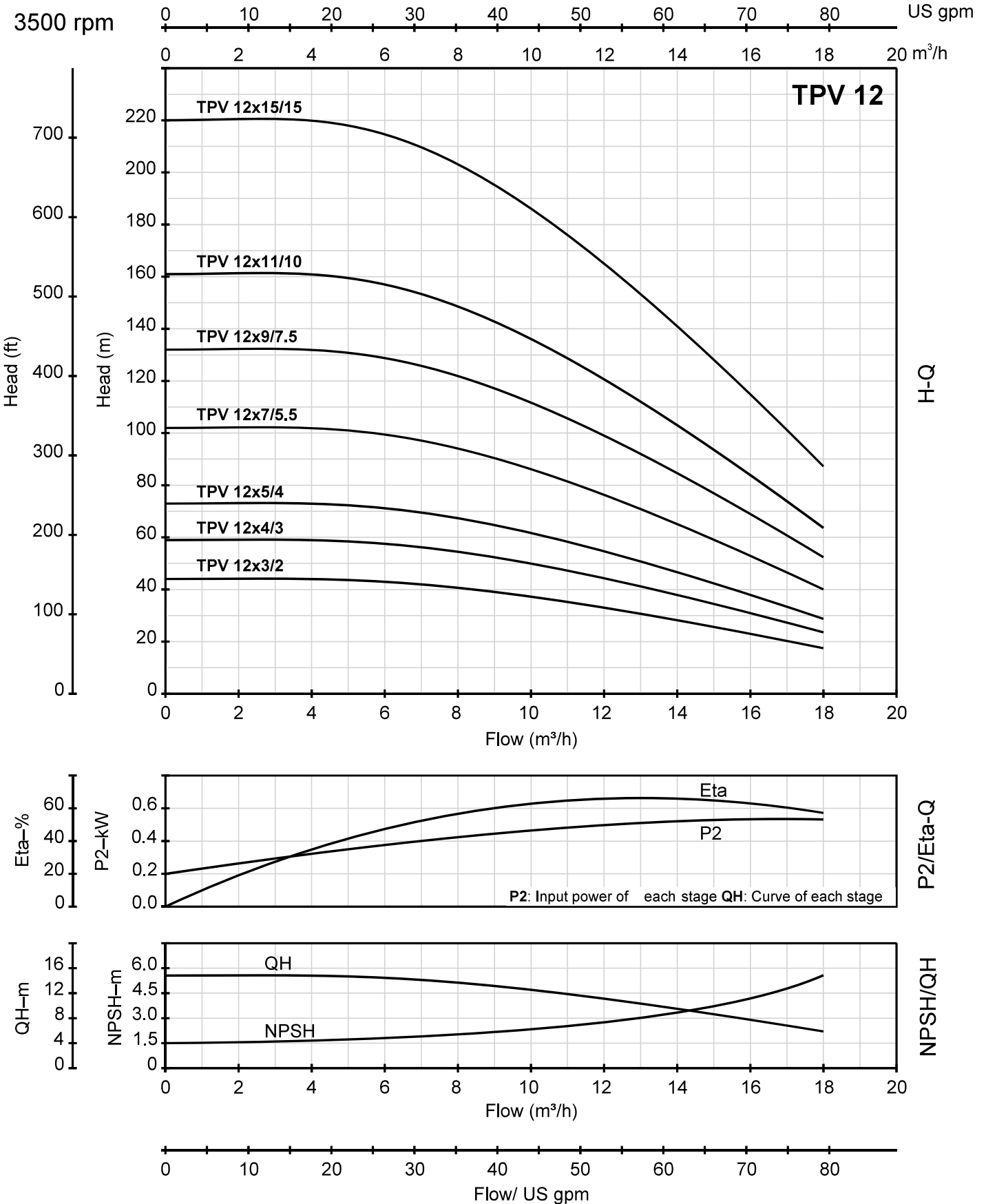
PERFORMANCE CURVES



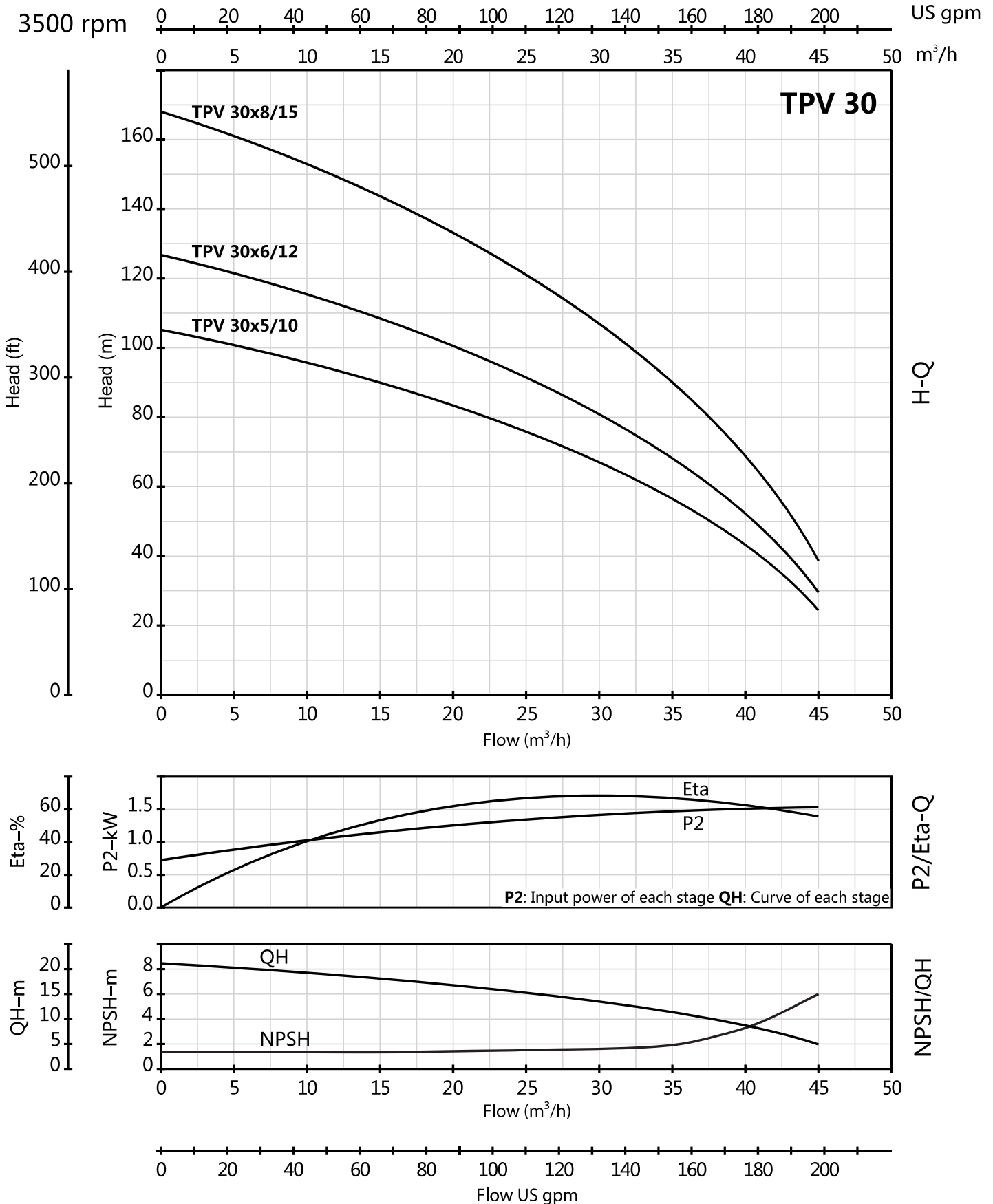
PERFORMANCE CURVES



PERFORMANCE CURVES



PERFORMANCE CURVES



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TECNODYNE

TECNODYNE PUMPS INC.

02 Sheppard Ave E, North York
Ontario, Canada M2N 5Y7
T: +1 (438) 308-2072
info@tecnodyne.ca
www.tecnodyne.ca