

-  Clean water
-  Civil use
-  Agricultural use
-  Industrial use



※ **HT pumps are designed for high hydraulic performance featuring a robust, compact, and reliable mechanical construction..**

- ※ Jacket **Stainless steel AISI 304**
- ※ Impellers: **Stainless steel AISI 304**
- ※ Diffusers: **Stainless steel AISI 304**
- ※ Shaft **Stainless steel AISI 431**

PERFORMANCE RANGE

- Flow rate up to **800 l/min** (48 m³/h)
- Head up to **160 m**

INSTALLATION AND USE

Designed to transfer clean water free from abrasive particles and liquids that will not damage the pump's components. Their high efficiency and adaptability to a wide variety of applications make them an ideal choice in the domestic, civil, agricultural, and industrial sectors, particularly for water distribution along pressure tanks to increase overall network pressure. Suggested uses include fire-fighting systems, heavy-duty cleaning applications, industrial power washers, and irrigation.

KEY FEATURES

- ※ **Stainless steel components** extend service life and enhance efficiency.
- ※ Multi-stage design results in exceptionally quiet operation

APPLICATION LIMITS

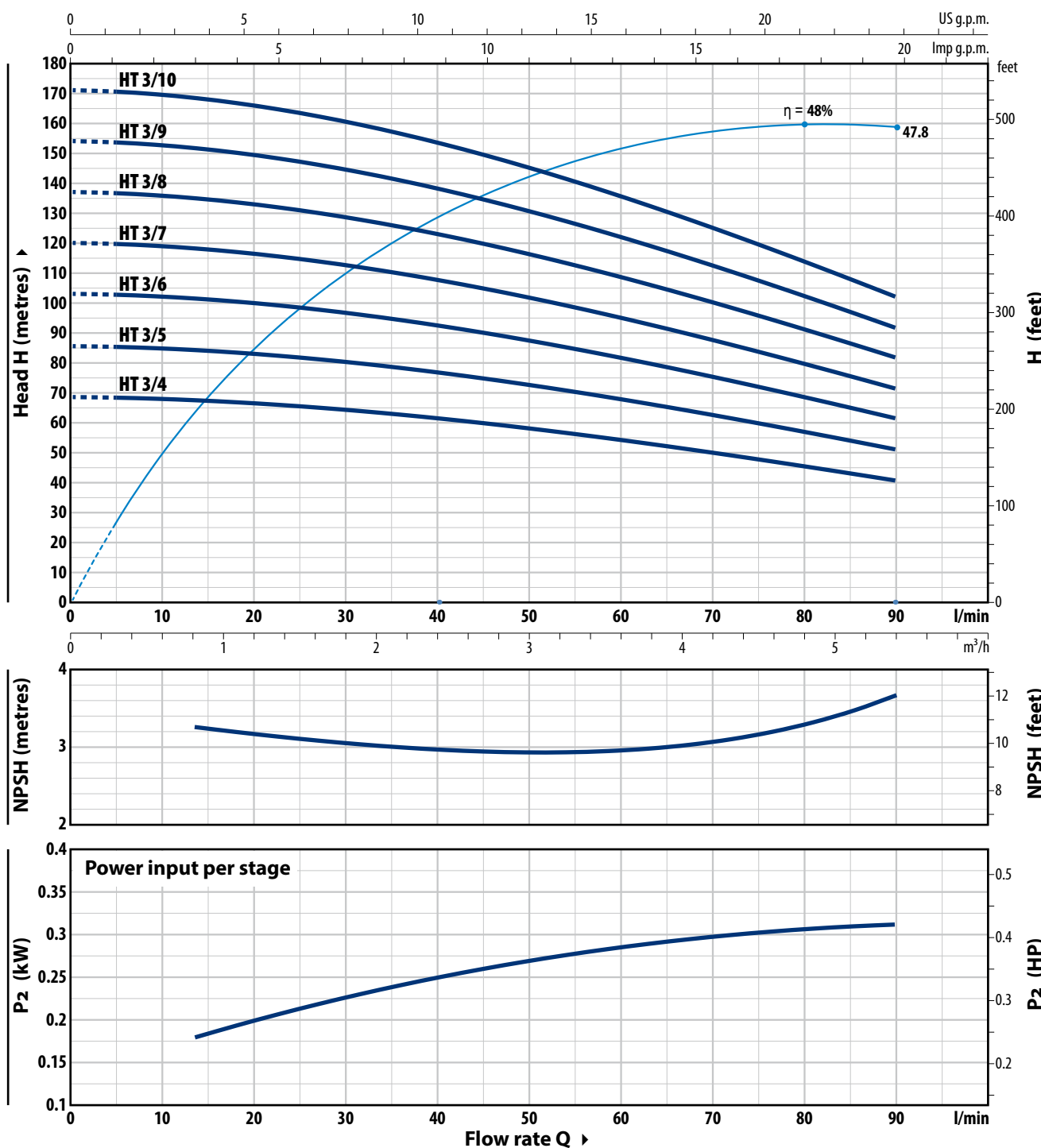
- Manometric suction head up to **7 m**
- Liquid temperature between **-15 °C** and **+90 °C**
- Ambient temperature up to **+40 °C**
- Maximum working pressure **16 bar**

AVAILABLE UPON REQUEST

- ※ Handling of liquids with higher or lower temperatures.
- ※ Pump body with NPT threaded ports ANSI B 1.20.1
- ※ COUNTER-FLANGE
- ※ Pump protection kit to prevent dry running
- ※ O-rings in EPDM or VITON (standard version in NBR)
- ※ Different voltage or frequency

CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz



TYPE		POWER (P ₂)		3~	Q	m³/h	0	0.3	0.6	1.2	2.4	3.6	5.4
Single-phase	Three-phase	kW	HP			l/min	0	5	10	20	40	60	90
HTm 3/4	HT 3/4	0.75	1	IE3	H metres	68.5	68.5	68	66.5	61.5	54.5	41	
HTm 3/5	HT 3/5	1.1	1.5			86	86	85	83	77	68	51	
HTm 3/6	HT 3/6	1.5	2			103	103	102	100	92	82	61.5	
HTm 3/7	HT 3/7	1.8	2.5			120	120	119	116	108	95	72	
–	HT 3/8	2.2	3			137	137	136	133	123	109	82	
–	HT 3/9	3	4			154	154	153	150	138	122	92	
–	HT 3/10	3	4			172	171	170	166	154	136	102	

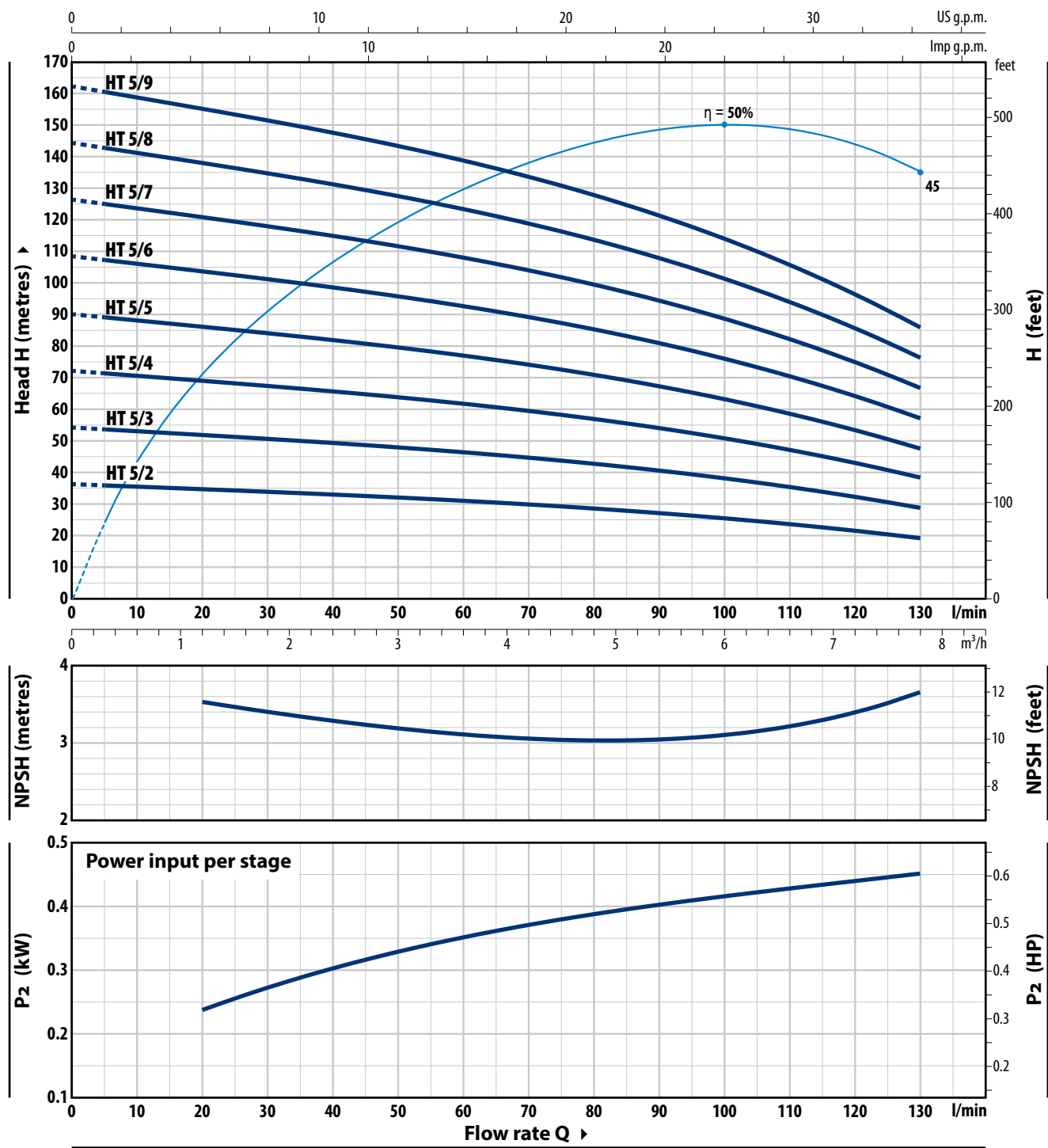
Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

HT 5

CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

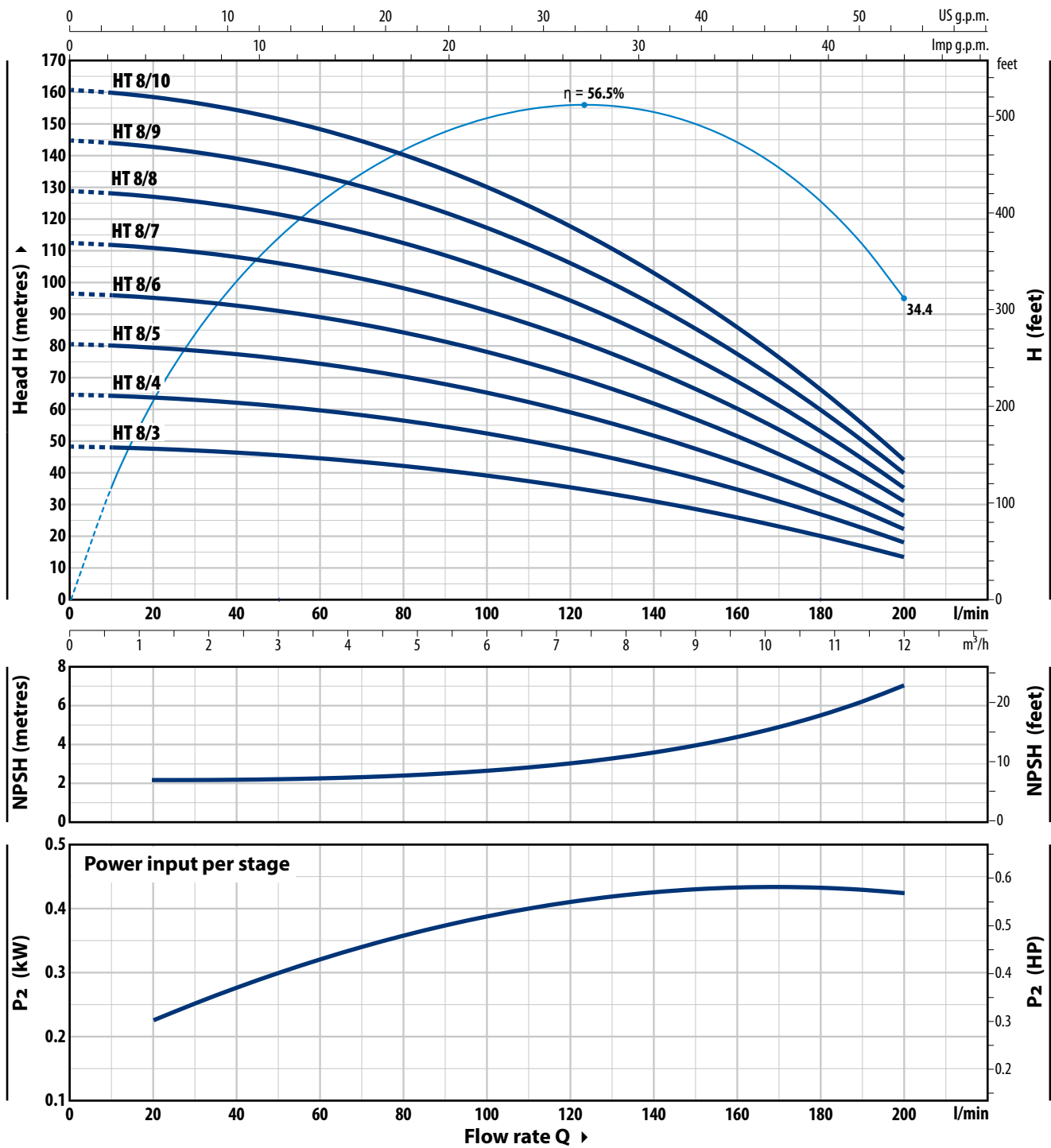


TYPE		POWER (P2)		3~	Q												
Single-phase	Three-phase	kW	HP			m³/h	0	0.3	0.6	1.2	2.4	3.6	4.8	5.4	6	7.8	
						l/min	0	5	10	20	40	60	80	90	100	130	
HTm 5/2	HT 5/2	0.75	1	IE3	H metres		36	35.5	35.5	34.5	33	31	28.5	27	25.3	19	
HTm 5/3	HT 5/3	1.1	1.5				54	53.5	53	51.5	49	46.5	42.5	40.5	38	28.5	
HTm 5/4	HT 5/4	1.5	2				72	71	71	69	65.5	61.5	57	54	50.5	38	
HTm 5/5	HT 5/5	1.8	2.5				90	89	88	86	82	77	71	67.5	63.5	47.5	
HTm 5/6	HT 5/6	2.2	3				108	107	106	103	98	93	85	81	76	57	
–	HT 5/7	3	4				126	125	124	121	115	108	99	94	89	66.5	
–	HT 5/8	3	4				144	143	141	138	131	123	114	108	101	76	
–	HT 5/9	4	5.5				162	161	159	155	148	139	128	121	114	86	

Q = Flow rate H = Total manometric head HS = Suction height Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz



TYPE		POWER (P ₂)		3~	Q								
Single-phase	Three-phase	kW	HP			0	1.2	2.4	3.6	6.0	8.4	10.8	12.0
						0	20	40	60	100	140	180	200
HTm 8/3	HT 8/3	1.1	1.5	IE3	H metres	48.5	48	46.5	45	39.5	31	20.1	13.5
HTm 8/4	HT 8/4	1.5	2			64.5	64	62	59.5	52.5	41.5	26.8	18
HTm 8/5	HT 8/5	1.8	2.5			81	80	78	75	65.5	52	33.5	22.5
HTm 8/6	HT 8/6	2.2	3			97	95	93	89	78	62	40	27
–	HT 8/7	3	4			113	111	108	104	91	72	47	31.5
–	HT 8/8	4	5.5			129	127	124	119	104	83	53.5	35.5
–	HT 8/9	4	5.5			145	143	139	134	117	93	60	40
–	HT 8/10	5.5	7.5			161	159	155	149	131	103	67	44.5

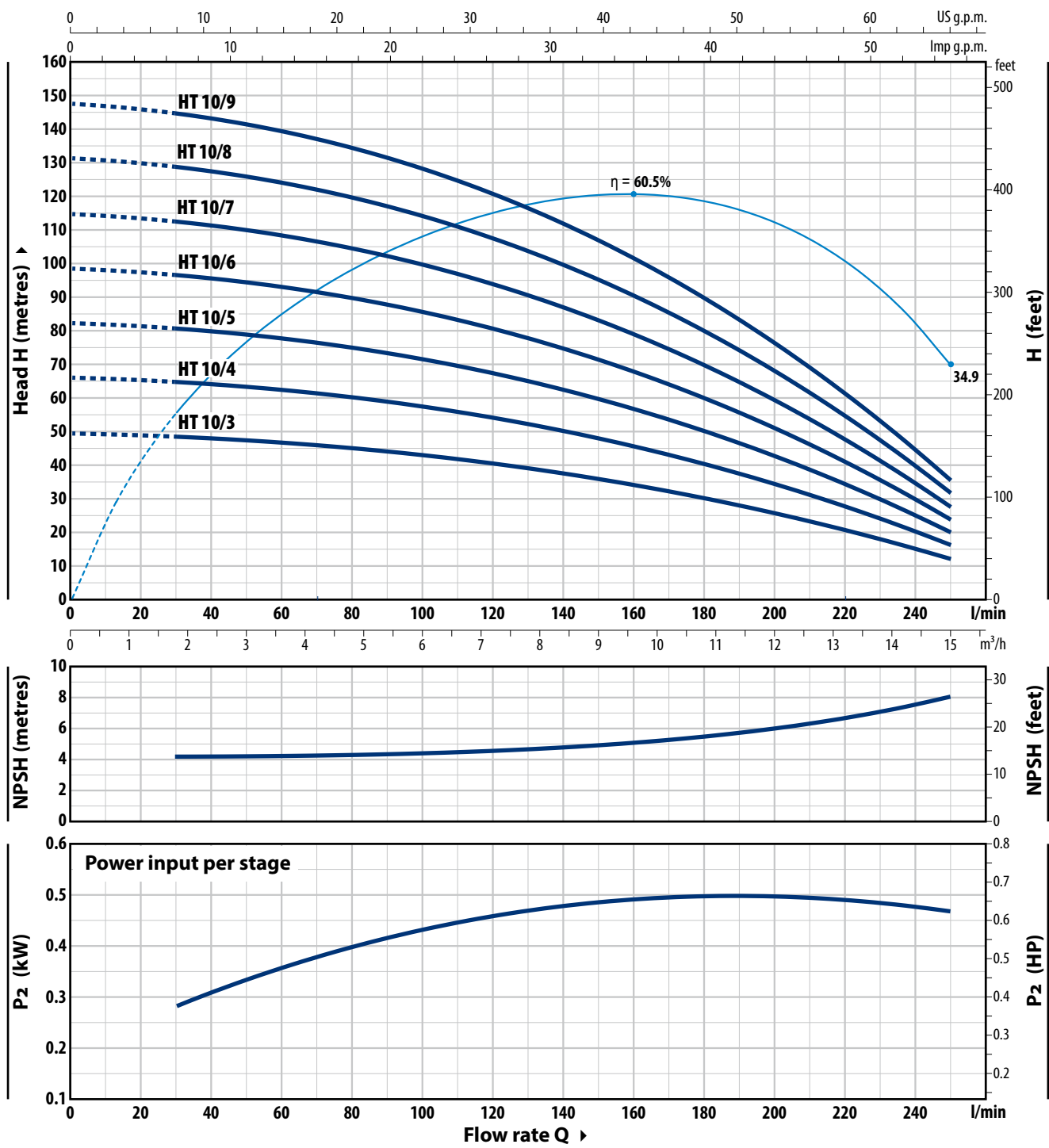
Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

HT 10

CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

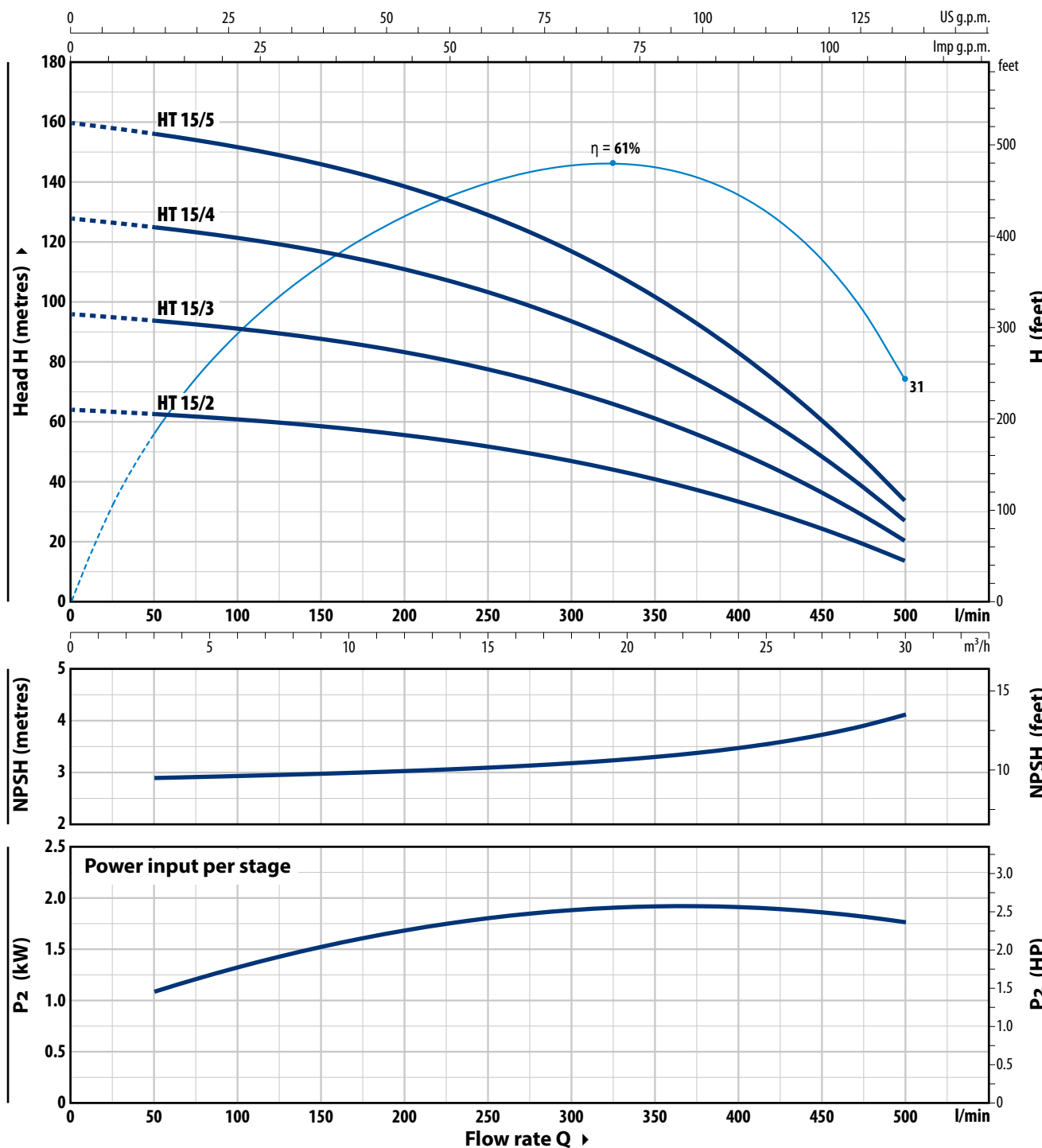


TYPE		POWER (P ₂)		3~	Q	m³/h	0	1.8	3	4.2	5.4	6.6	7.8	9	10.8	13.2	15
Single-phase	Three-phase	kW	HP			l/min	0	30	50	70	90	110	130	150	180	220	250
HTm 10/3	HT 10/3	1.5	2	IE3	H metres	49.5	48.5	47.5	46	44	42	39	36	30	20.6	12	
HTm 10/4	HT 10/4	1.8	2.5			66	64.5	63	61.5	59	55.5	52	48	40	27.5	16	
HTm 10/5	HT 10/5	2.2	3			82	81	79	77	73	69.5	65	59.5	50	34.5	20	
–	HT 10/6	3	4			99	97	94	92	88	83	78	71	60	41	24	
–	HT 10/7	3	4			115	113	110	107	102	97	91	83	70	48	28	
–	HT 10/8	4	5.5			131	129	126	122	117	111	104	95	80	54.5	32	
–	HT 10/9	4	5.5			148	145	142	137	132	125	117	107	90	61.5	36	

Q = Flow rate H = Total manometric head HS = Suction height Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz



TYPE	POWER (P ₂)		3~	Q	0	3	6	12	18	24	30
Three-phase	kW	HP			0	50	100	200	300	400	500
HT 15/2	4	5.5	IE3	H metres	64	62.5	60.5	55.5	47	33	13.5
HT 15/3	5.5	7.5			96	94	91	83	70	50	20
HT 15/4	7.5	10			128	125	121	111	94	66.5	27
HT 15/5	9.2	12.5			160	156	152	139	117	83	33.5

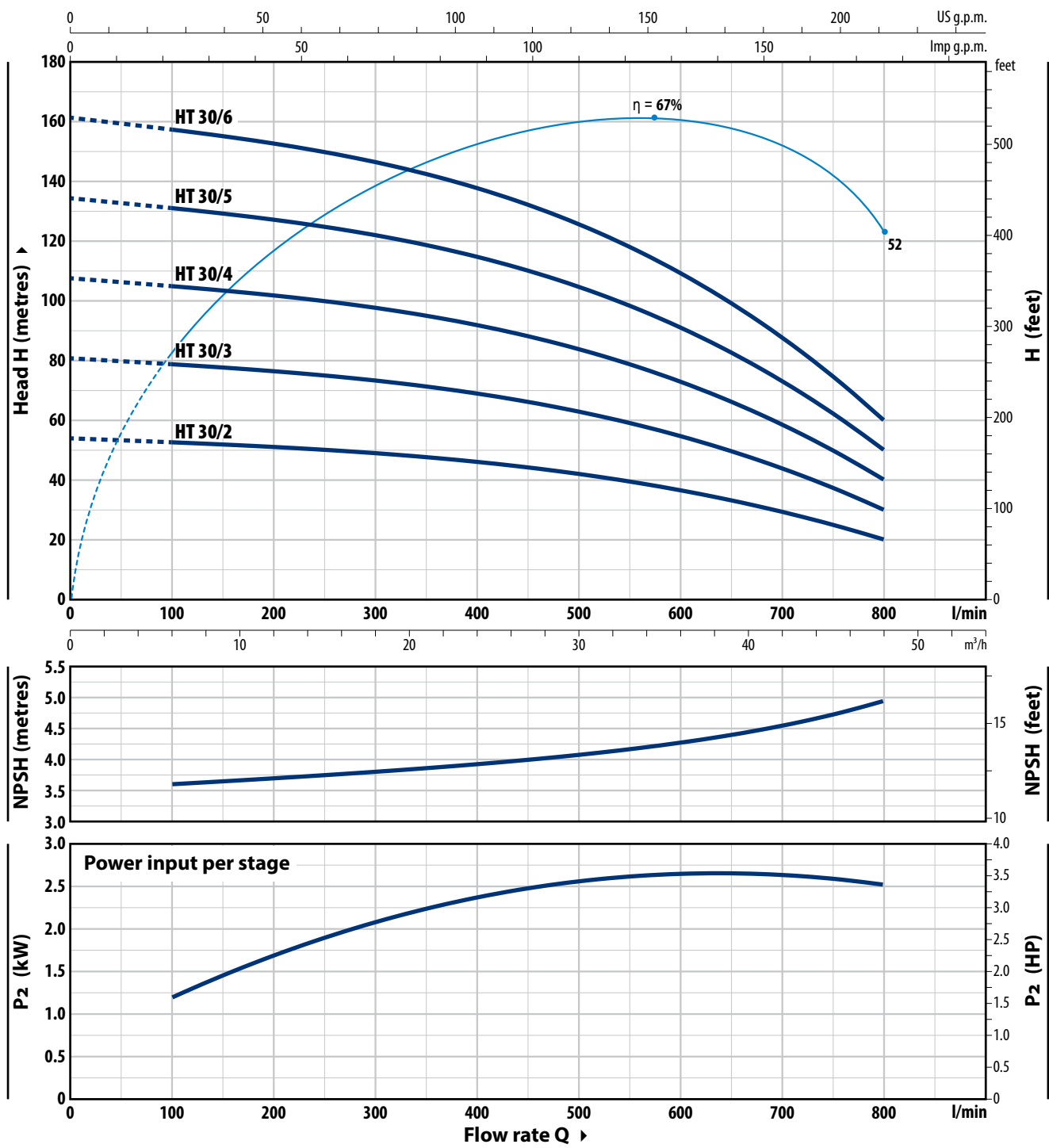
Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

HT 30

CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz



TYPE	POWER (P ₂)		3~	Q	m ³ /h							
Three-phase	kW	HP			0	6	12	18	24	30	36	48
HT 30/2	5.5	7.5	IE3	H metres	0	100	200	300	400	500	600	800
HT 30/3	7.5	10			54	52.5	51	49	46	42	36.5	20
HT 30/4	11	15			81	79	76	73	69	63	54.5	30
HT 30/5	15	20			108	105	102	98	92	84	73	40
HT 30/6	15	20			134	131	127	122	115	105	91	50
					161	157	153	146	138	126	109	60

Q = Flow rate H = Total manometric head HS = Suction height Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

ABSORPTION

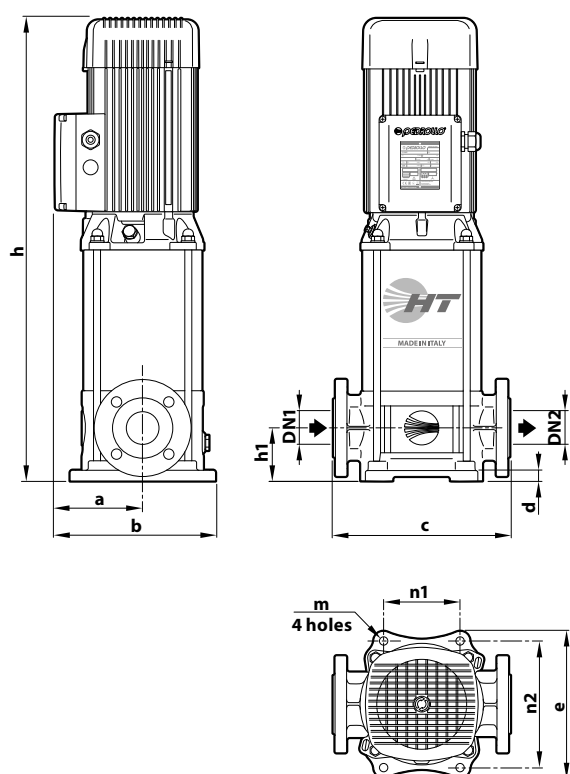
TYPE	VOLTAGE
Single-ph.	220 V
HTm 3/4	7.5 A
HTm 3/5	9.0 A
HTm 3/6	10.5 A
HTm 3/7	12.5 A
HTm 5/2	6.0 A
HTm 5/3	8.0 A
HTm 5/4	10.0 A
HTm 5/5	11.8 A
HTm 5/6	14.2 A
HTm 8/3	8.0 A
HTm 8/4	11.0 A
HTm 8/5	12.5 A
HTm 8/6	15.2 A
HTm 10/3	n.a.
HTm 10/4	n.a.
HTm 10/5	n.a.

TYPE	VOLTAGE			
Three-phase	220 V - Δ	380 V - 人	220 V - Δ	440 V - 人
HT 3/4	6.1 A	3.5 A	5.2 A	3.0 A
HT 3/5	6.9 A	4.0 A	6.0 A	3.5 A
HT 3/6	7.6 A	4.4 A	6.6 A	3.8 A
HT 3/7	9.2 A	5.3 A	7.9 A	4.6 A
HT 3/8	n.a.	n.a.	n.a.	n.a.
HT 3/9	n.a.	n.a.	n.a.	n.a.
HT 3/10	n.a.	n.a.	n.a.	n.a.
HT 5/2	5.7 A	3.3 A	4.9 A	2.9 A
HT 5/3	6.6 A	3.8 A	5.7 A	3.3 A
HT 5/4	7.4 A	4.3 A	6.4 A	3.7 A
HT 5/5	9.2 A	5.3 A	7.9 A	4.6 A
HT 5/6	10.0 A	5.8 A	8.7 A	5.0 A
HT 5/7	n.a.	n.a.	n.a.	n.a.
HT 5/8	n.a.	n.a.	n.a.	n.a.
HT 5/9	n.a.	n.a.	n.a.	n.a.
HT 8/3	6.6 A	3.8 A	5.7 A	3.3 A
HT 8/4	7.8 A	4.5 A	6.7 A	3.9 A
HT 8/5	9.5 A	5.5 A	8.2 A	4.8 A
HT 8/6	10.4 A	6.0 A	9.0 A	5.2 A
HT 8/7	n.a.	n.a.	n.a.	n.a.
HT 8/8	n.a.	n.a.	n.a.	n.a.
HT 8/9	n.a.	n.a.	n.a.	n.a.
HT 8/10	n.a.	n.a.	n.a.	n.a.
HT 10/3	n.a.	n.a.	n.a.	n.a.
HT 10/4	n.a.	n.a.	n.a.	n.a.
HT 10/5	n.a.	n.a.	n.a.	n.a.
HT 10/6	n.a.	n.a.	n.a.	n.a.
HT 10/7	n.a.	n.a.	n.a.	n.a.
HT 10/8	n.a.	n.a.	n.a.	n.a.
HT 10/9	n.a.	n.a.	n.a.	n.a.
HT 15/2	19.0 A	11.0 A	16.8 A	10.5 A
HT 15/3	24.2 A	14.0 A	21.3 A	13.3 A
HT 15/4	31.2 A	18.0 A	27.7 A	17.3 A
HT 15/5	35.0 A	20.2 A	30.8 A	19.2 A
HT 30/2	23.7 A	13.7 A	20.9 A	13.0 A
HT 30/3	31.5 A	18.2 A	27.7 A	17.3 A
HT 30/4	37.2 A	21.5 A	32.8 A	20.5 A
HT 30/5	45.5 A	26.3 A	40.0 A	25.0 A
HT 30/6	52.2 A	30.2 A	46.0 A	28.8 A

PALLET CAPACITY

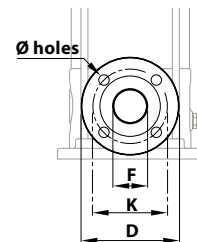
TYPE		NO. OF PUMPS
Single-phase	Three-phase	
HTm 3/4	HT 3/4	12
HTm 3/5	HT 3/5	12
HTm 3/6	HT 3/6	12
HTm 3/7	HT 3/7	12
–	HT 3/8	4
–	HT 3/9	4
–	HT 3/10	4
HTm 5/2	HT 5/2	12
HTm 5/3	HT 5/3	12
HTm 5/4	HT 5/4	12
HTm 5/5	HT 5/5	12
HTm 5/6	HT 5/6	12
–	HT 5/7	4
–	HT 5/8	4
–	HT 5/9	4
HTm 8/3	HT 8/3	12
HTm 8/4	HT 8/4	12
HTm 8/5	HT 8/5	12
HTm 8/6	HT 8/6	12
–	HT 8/7	4
–	HT 8/8	4
–	HT 8/9	4
–	HT 8/10	4
HTm 10/3	HT 10/3	12
HTm 10/4	HT 10/4	12
HTm 10/5	HT 10/5	12
–	HT 10/6	12
–	HT 10/7	4
–	HT 10/8	4
–	HT 10/9	4
–	HT 15/2	4
–	HT 15/3	4
–	HT 15/4	4
–	HT 15/5	4
–	HT 30/2	4
–	HT 30/3	4
–	HT 30/4	4
–	HT 30/5	2
–	HT 30/6	2

DIMENSIONS AND WEIGHT



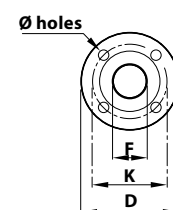
FLANGE

TYPE	DN mm	F mm	D mm	K mm	HOLES	
					N°	Ø mm
HT 3	25	1"	115	85	4	14
HT 5	32	1¼"	140	100		18
HT 8	40	1½"	150	110		
HT 10	40	1½"	150	110		
HT 15	50	2"	165	125	8	18
HT 30	65	2½"	185	145		



COUNTER-FLANGE

TYPE	DN mm	F mm	D mm	K mm	HOLES	
					N°	Ø mm
HT 3	25	1"	115	85	4	14
HT 5	32	1¼"	140	100		18
HT 8	40	1½"	150	110		
HT 10	40	1½"	150	110		
HT 15	50	2"	165	125	8	18
HT 30	65	2½"	185	145		



TYPE		PORTS		N°	DIMENSIONS mm										kg													
Single-ph.	Three-ph.	DN1	DN2	STAGES	a	b	c	d	e	h	h1	n1	n2	m	1~	3~												
HTm 3/4	HT 3/4	1"	1"	4	126	231	250	15	210	509	75	100	180	Ø 13	33.5	33.5												
HTm 3/5	HT 3/5			5						535					33.7	33.7												
HTm 3/6	HT 3/6			6						561					35.0	35.0												
HTm 3/7	HT 3/7			7						607					39.9	39.9												
-	HT 3/8			8						685					-	47.2												
-	HT 3/9			9						711					-	48.2												
-	HT 3/10			10						737					-	49.1												
HTm 5/2	HT 5/2	1¼"	1¼"	2	126	231				280	18				247	457	105	130	215	Ø 14	33.0	33.0						
HTm 5/3	HT 5/3			3												483					33.2	33.2						
HTm 5/4	HT 5/4			4												509					35.2	35.2						
HTm 5/5	HT 5/5			5												555					37.5	37.5						
HTm 5/6	HT 5/6			6												581					38.5	38.5						
-	HT 5/7			7												659					-	47.3						
-	HT 5/8			8												685					-	48.3						
-	HT 5/9	9	711	-	52.5																							
HTm 8/3	HT 8/3	1½"	1½"	3	126	231	300	18	247			488	90	130		215	Ø 14				34.6	34.6						
HTm 8/4	HT 8/4			4								514									36.6	36.6						
HTm 8/5	HT 8/5			5								560									40.1	40.1						
HTm 8/6	HT 8/6			6								586									40.9	40.9						
-	HT 8/7			7								664									-	48.6						
-	HT 8/8			8								690									-	52.7						
-	HT 8/9			9								716									-	53.7						
-	HT 8/10	10	742	-	58.7																							
HTm 10/3	HT 10/3	1½"	1½"	3	126	231				320	18	247	488		105			130	215	Ø 14	34.7	34.7						
HTm 10/4	HT 10/4			4									534								36.7	36.7						
HTm 10/5	HT 10/5			5									560								40.2	40.2						
-	HT 10/6			6									638								-	48.5						
-	HT 10/7			7									664								-	48.7						
-	HT 10/8			8									690								-	52.8						
-	HT 10/9			9									716								-	53.8						
-	HT 15/2	2"	2"	2	151	275	320	18	247				589	90	130	215	Ø 14				-	52.3						
-	HT 15/3			3									633								-	69.8						
-	HT 15/4			4									727								-	78.0						
-	HT 15/5	5	856	-	116.0																							
-	HT 30/2	2½"	2½"	2	151	275							320	18							247	604	105	130	215	Ø 14	-	61.5
-	HT 30/3			3																		698					-	69.5
-	HT 30/4			4																		827					-	124.5
-	HT 30/5			5																		871					-	125.0
-	HT 30/6	6	915	-	137.5																							

MATERIALS AND COMPONENTS

1 Pump body Cast iron JL250 with cataphoresis treatment, fitted with flanged and threaded ISO 228/1 ports

2 Cover Cast iron JL250 with cataphoresis treatment

3 External sleeve Stainless steel **AISI 304**

4 Impellers Stainless steel **AISI 304**

5 Diffusers Stainless steel **AISI 304**

6 Mechanical seal

Water pump	Seal	Shaft	Materials
HT 3 - 5 - 8 - 10	FN-18	Ø 18 mm	Graphite / Ceramic / NBR
HT 15 - 30	FN-KU-24	Ø 24 mm	Graphite / Ceramic / NBR
	ISO 3069 EN 12756		

7 Shaft Stainless steel **AISI 431**

8 Electric motor

- **HTm**: single-phase 220 V - 60 Hz with capacitor and winding integrated thermal motor protection
- **HT**: three-phase 220/380 V - 60 Hz or 220/440 V - 60 Hz
- The three-phase pumps are fitted with high performance motors in class IE3 (IEC 60034-30-1)
- Continuous running duty **S1**

