

## CENTRIFUGAL PUMPS according to EN 733 standard in cast iron

End suction centrifugal pumps in accordance with EN 733 (ex DIN 24255) made of cast iron, applications include water boosting, heating systems, air-conditioning, washing systems and many other industrial applications.



### SPECIFICATIONS

- Maximum working pressure: 10 bar
- Maximum liquid temperature: 90°C

### MATERIALS

- Pump body, bracket and impeller in cast iron
- Shaft in AISI 304
- Mechanical seal in carbon/ceramic/NBR

### TECHNICAL DATA

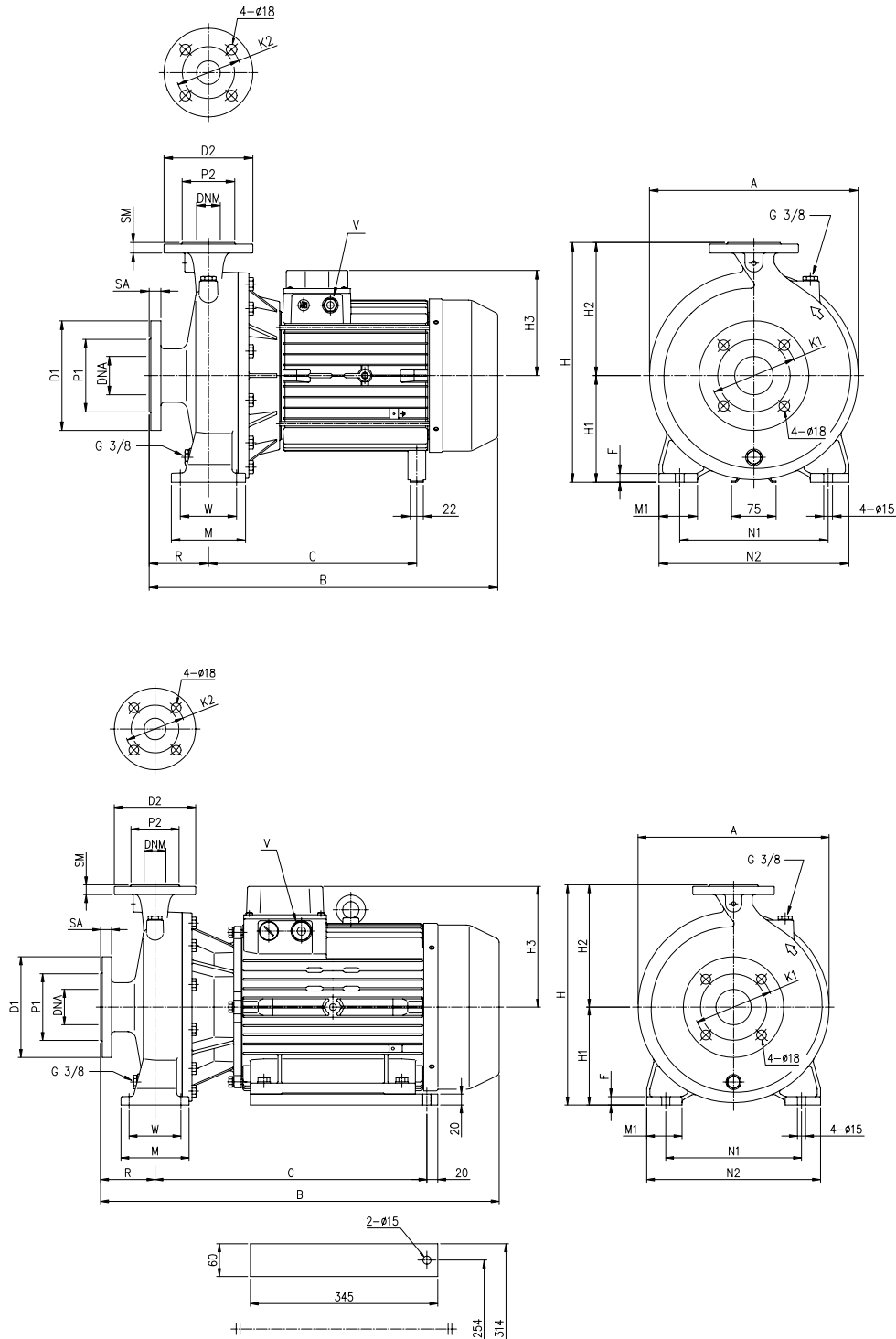
- Asynchronous 2 poles motor
- Insulation class F
- Protection degree IP 55
- Single-phase standard voltage: 220V -6% +10%  
Three-phase standard voltage: 220/380-460V ±6%  
(up to 4 kW)  
380-460/660 ±6%  
(5,5 kW and above)
- Permanent split capacitor and automatic thermal overload protection for single-phase version
- Thermal protection to be provided by the user for three-phase version

## DIMENSIONAL TABLE

Pump type	Weight [kg]		Dimensions [mm]																																																																												
	1~	3~	DNA	P1	K1	D1	SA	DNM	P2	K2	D2	SM	H	H1	H2	[1]	[2]	R	W	N1	M	N2	M1	F	A	B	C	V [1]																																																			
MD 32-125/1.16 (M)	27,1	27,1	50	102	125	165		32	78	100	140	18	252	112	140	122	139	80	70	140	100	190	240	50	13	205	431	230	PG 13.5																																																		
MD 32-125/1.56 (M)	27,8	27,8											245	252																																																																	
MD 32-160/1.56 (M)	32,5	32,5											20	40	88	110	150			292	132	160	134			181	95	70		190	100	240	265	212	100	50	15	290	459	254	PG 16																																						
MD 32-160/2.26 (M)	34,9	34,9																		245	252																																																										
MD 32-200/3.06	43,6	43,6																		65	122	145	185							340	160	180	134					153	100	95		180	125	320	65	250	125	320	65	15	540	275	PG 21																										
MD 32-200/4.06	50	50																												290	290																																																
MD 32-250/7.56	74,6	74,6																												20	40	88	110					150				340	160	180	134						153	95		70	180	125	320	65	250	125	320	65	15	588	351	PG 21													
MD 32-250/9.26	84,3	84,3																																								290	290																																				
MD 32-250/116	87,3	87,3																																								65	122	145	185										405	180	225	139						181	100		70	212	100	265	50	212	125	320	65	15	588	351	PG 21
MD 40-125/1.56 (M)	28,4	28,4																																																					290	290																							
MD 40-125/2.26 (M)	31,4	31,4	20	50	102	125	165	292	132	160	122	139						100	70					190	100				240																										50	190	240	50						13				230	431	230	PG 13.5								
MD 40-160/3.06	38,5	38,5						245	245																																																																						
MD 40-160/4.06	42,5	42,5						20	50	102	125	165	340	160	180	134	153							100	70		212	100	265					50	212	125	320				65														15													495	278	PG 16									
MD 40-200/5.56	60	60											290	290																																																																	
MD 40-200/7.56	68	68											20	50	102	125	165			360	160	180	181			-	100	70	212					100					265	50						212	125	280	65	13			300															585	355								PG 21		
MD 40-250/116	91,7	91,7																		290	290																																																										
MD 40-250/136	93	93																		80	138	160	200			22			360	160	180	153	-	95				125	280	65												300	585	355					PG 21																				
MD 50-125/2.26 (M)	33,8	33,8																											260	260																																																	
MD 50-125/3.06	35,5	35,5																											80	138	160	200	22						340	160		180	153	-	95						125									280	65	300	585		355	PG 21													
MD 50-125/4.06	41,8	41,8																																					260	260																																							
MD 50-160/5.56	57	57	80	138	160	200	22											340	160																				180	153		-	95	125												280	65	300		585	355			PG 21															
MD 50-160/7.56	68,2	68,2																260	260																																																												
MD 50-200/9.26	73,9	73,9						80	138	160	200	22						360	160					180	153										-	95	125		280	65	300	585													355	PG 21																							
MD 50-200/116	80,7	80,7																260	260																																																												
MD 65-125/5.56	58	58											80	138	160	200	22	340	160					180	153		-	95							125				280	65						300	585	355	PG 21																														
MD 65-125/7.56	66,5	66,5																260	260																																																												
MD 65-160/116	86,3	86,3																80	138	160	200	22	360	160	180	153	-							95				125	280	65										300		585	355	PG 21																									
MD 65-160/156	91,4	91,4																					260	260																																																							

[1] Only for three-phase  
[2] Only for single-phase

## DIMENSIONS

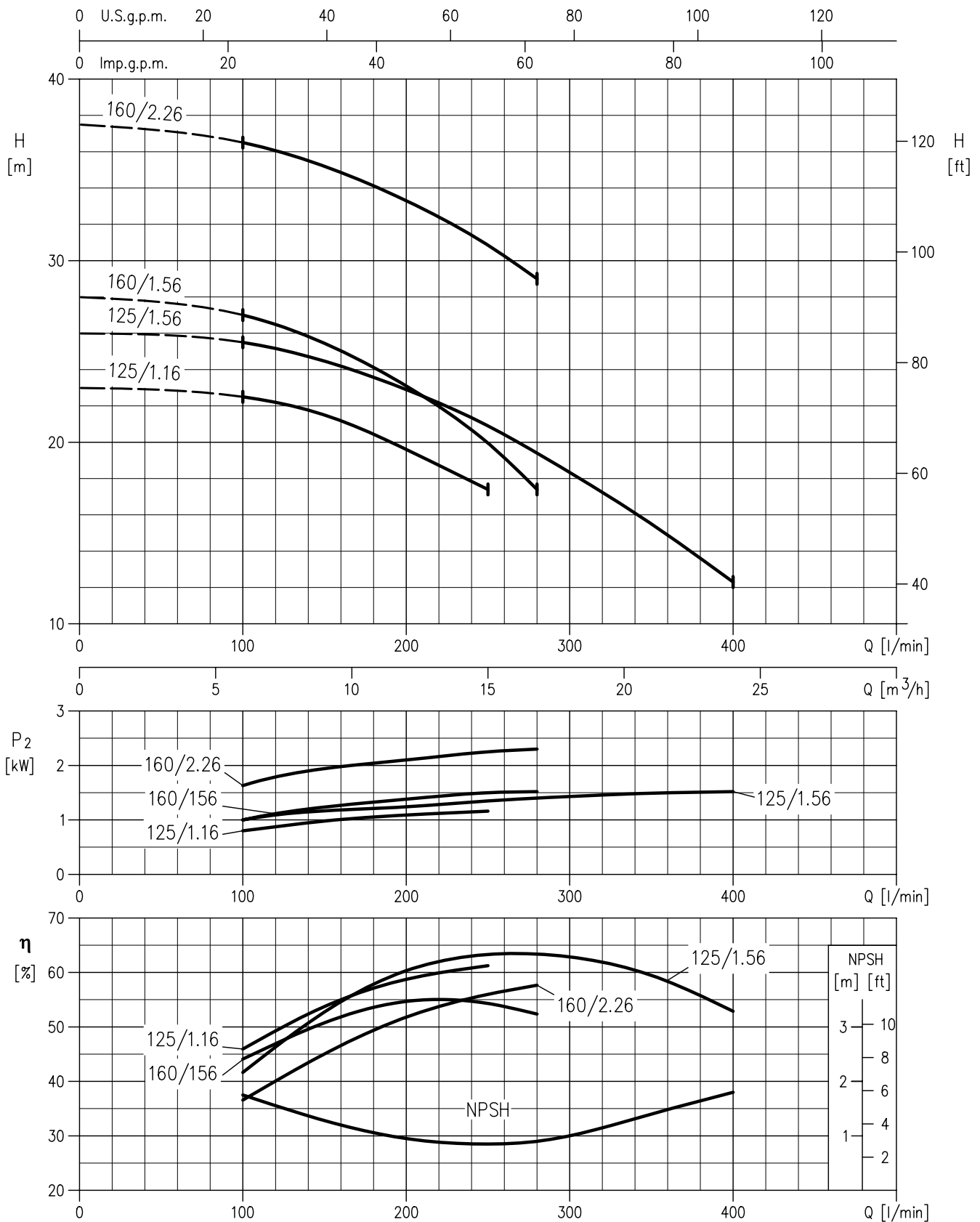


## DIMENSIONAL TABLE

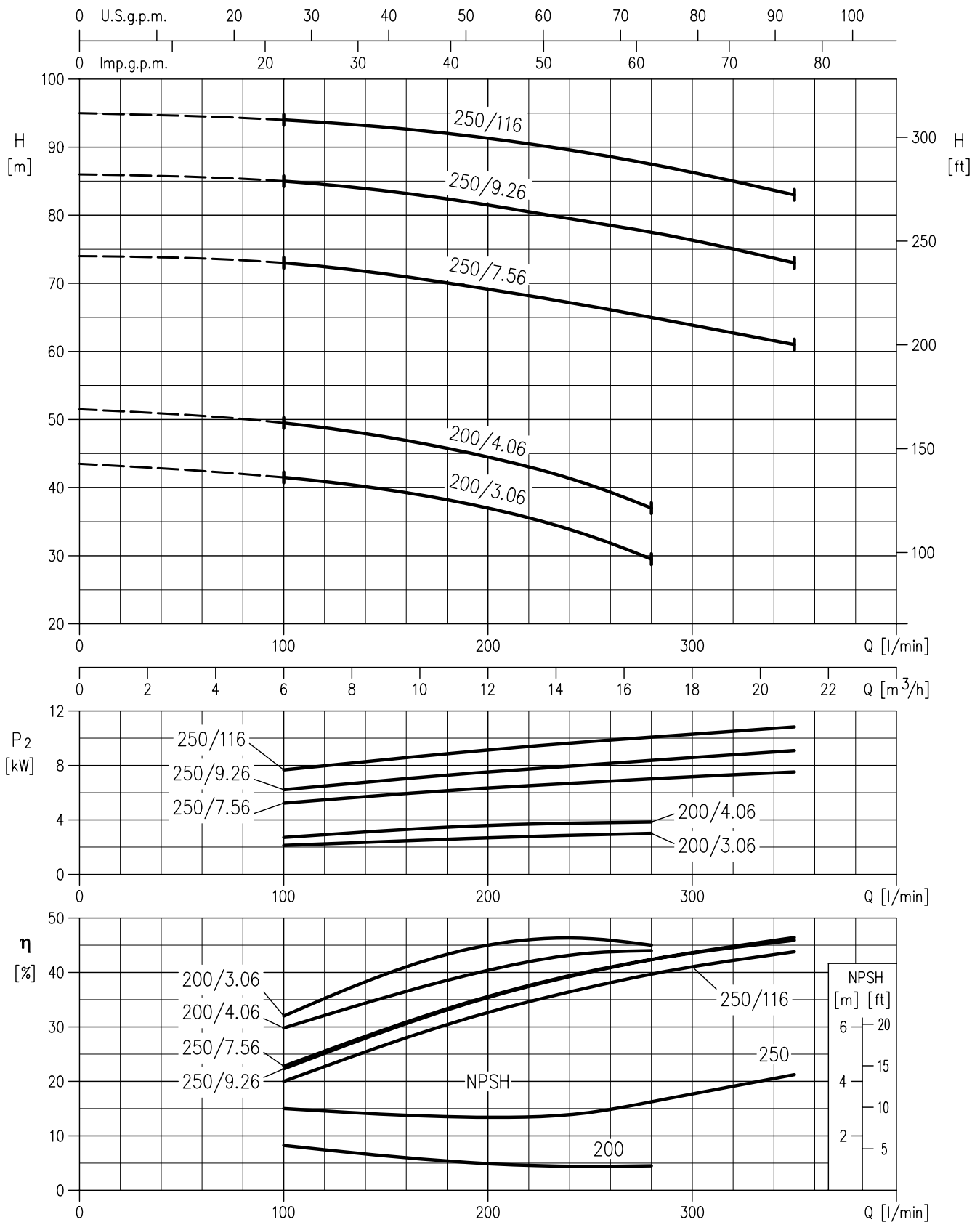
Pump type	Weight [kg]		Dimensions [mm]																									
	1~	3~	DNA	P1	K1	D1	SA	DNM	P2	K2	D2	SM	H	H1	H2	H3	R	W	N1	M	N2	M1	F	A	B	C	V	
MD 40-250/156	-	96,8	65					40	88	110	150	18																
MD 50-250/156	-	97,6	65	122	145	185	20	50	102	125	165														352	734	501	PG 21
MD 50-250/18.56	-	123	65									20	405	180	225	230	100	95	250	125	320	65	15					
MD 50-250/226	-	148	65																									
MD 65-200/18.56	-	134	80	138	160	200	22	65	122	145	185														310	736	548	
MD 65-200/226	-	135	80																									



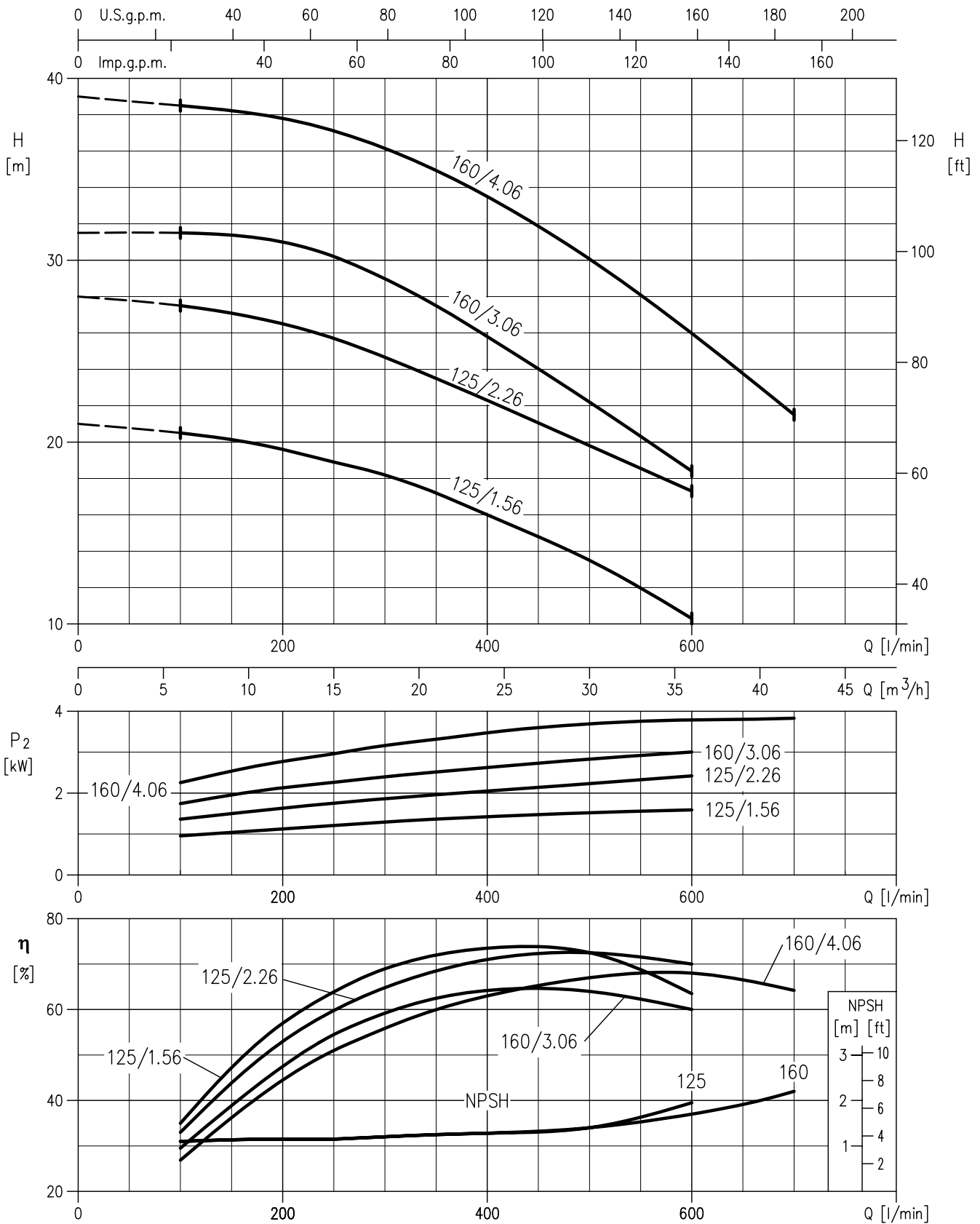
**PERFORMANCE CURVES MD 32 125-160 series** (according to ISO 9906 Annex A)



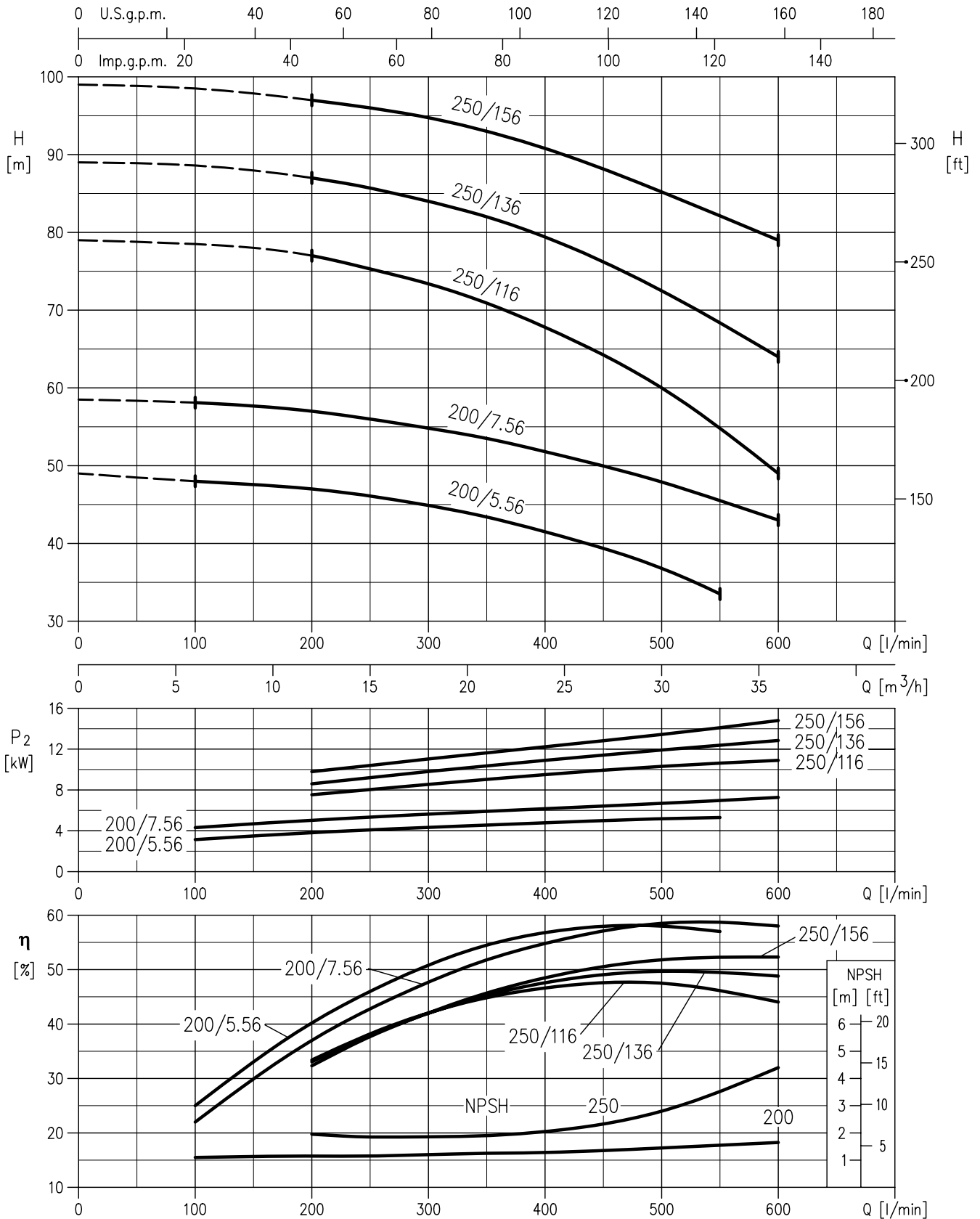
**PERFORMANCE CURVES MD 32 200-250 series** (according to ISO 9906 Annex A)



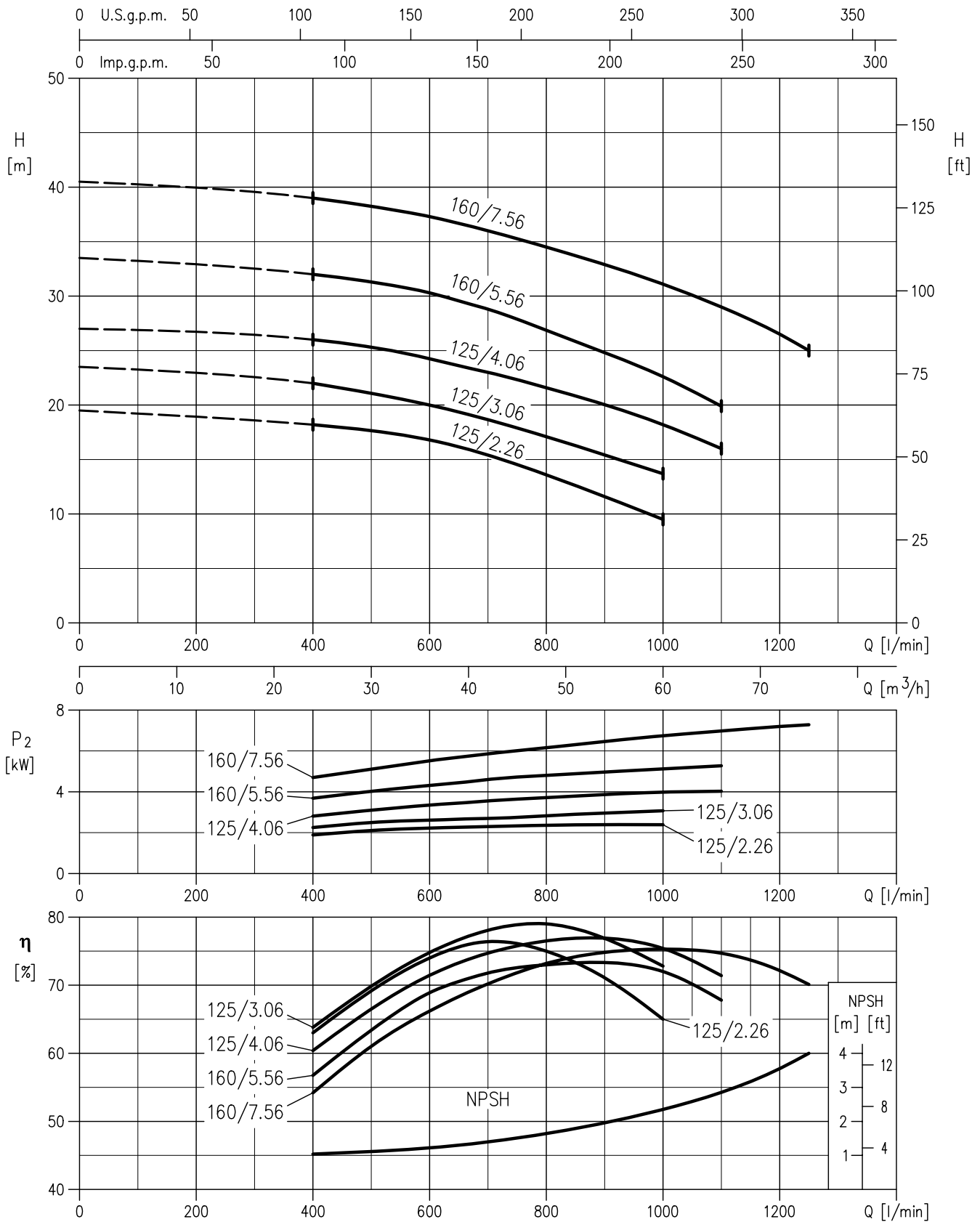
**PERFORMANCE CURVES MD 40 125-160 series** (according to ISO 9906 Annex A)



**PERFORMANCE CURVES MD 40 200-250 series** (according to ISO 9906 Annex A)

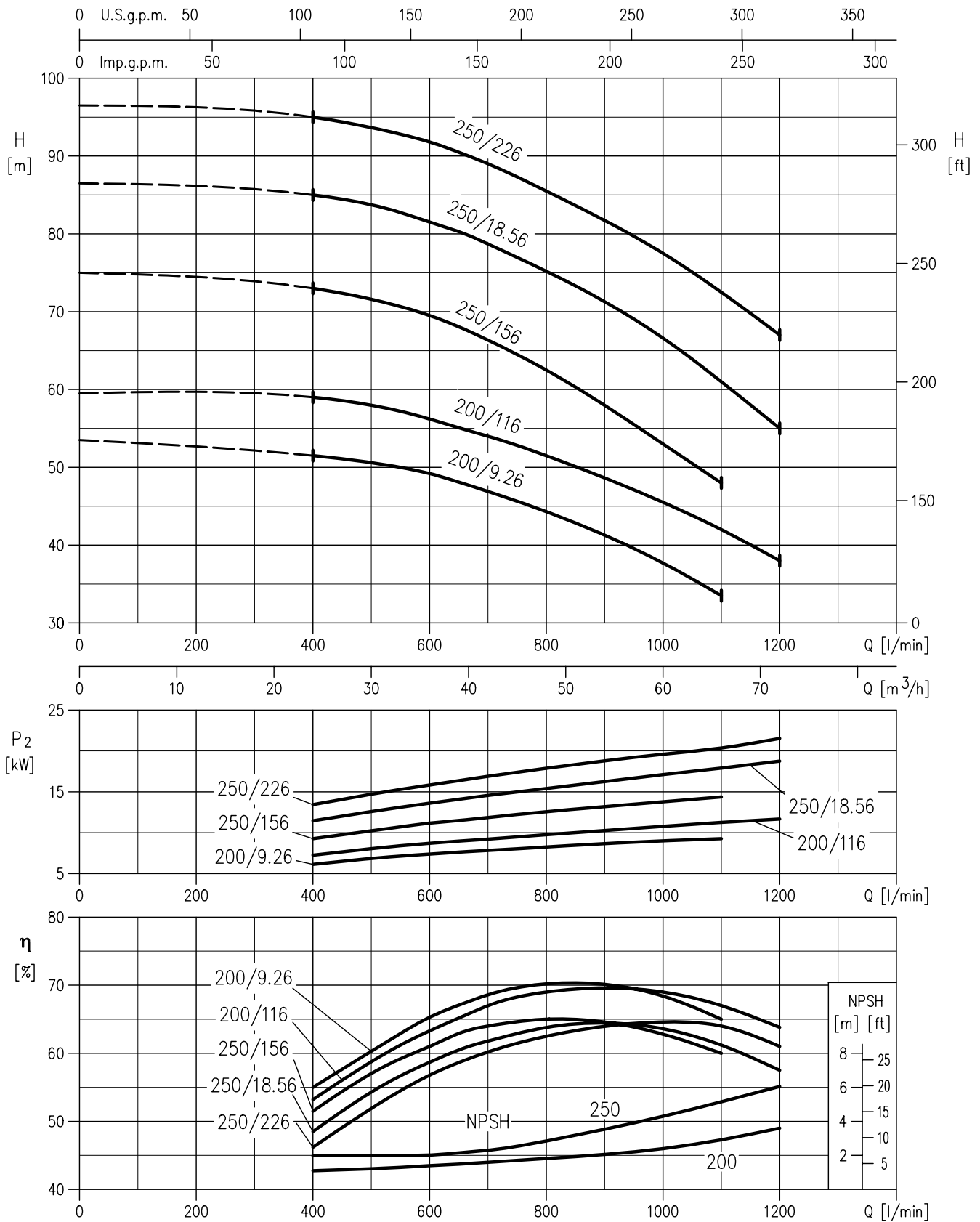


**PERFORMANCE CURVES MD 50 125-160 series** (according to ISO 9906 Annex A)





**PERFORMANCE CURVES MD 50 200-250 series** (according to ISO 9906 Annex A)



**PERFORMANCE CURVES MD 65 125-160-200 series** (according to ISO 9906 Annex A)

