



**Domestic
Horizontal Single-stage
(Stainless Steel)
Centrifugal Pumps**

EA*series*



Coding System

e.g. EA 250 SS A2 03T

XX XXX XX XX XX X

Series

EA = Close-coupled pump with single impeller

Nominal Flow (l/min)

Impeller / Body Material

SS = SS304 Impeller and Body

KK = SS316 Impeller and Body

Motor Data

A2 = 50 Hz / 2 pole

B2 = 60 Hz / 2 pole

Rating (kW/10)

e.g.

03 = 0.37 kW

22 = 2.2 kW

Electrical Arrangement

T = Three - phase

M = Single - phase

Z = Special voltage

General Data

• Application

- Pressurization and pumping of industrial and civilian clean water or other liquid;

- Water treatment;
- Water circulating system;
- Agricultural irrigation;
- Other elds.

• Pumping liquids

- Thin, clean, non-ammable and explosive, not containing the liquid with solid particle and fiber;
- Able to transmit light corrosive medium (have a bearing on the content of chloride ion in the medium, thickness of acid or alkali, whether generate corrosion on the rubber and mechanical seal materials;
- The density of transmitted medium is less than that of clean water, viscosity close to that of water. Otherwise the motor of large power is required.

• Operating condition

- Liquid temperature - 10°C ~ +85°C ;
- Ambient temperature : up to +40°C ;
- Altitude : up to 1000m ;
- Max. pressure of the system is 8 bar

• Structure features

- EA series of pump is single-stage centrifugal pump and features axial suction and radial discharge
- Compact structure, the pump is connected with the motor, co axial installation:
- Convenient installation , screw thread water inlet and outlet ;
- Light weight, thin plate pressing structure for main parts and components;
- Corrosion resistance, components passing the flow use AISI 304 or AISI 316 stainless steel.

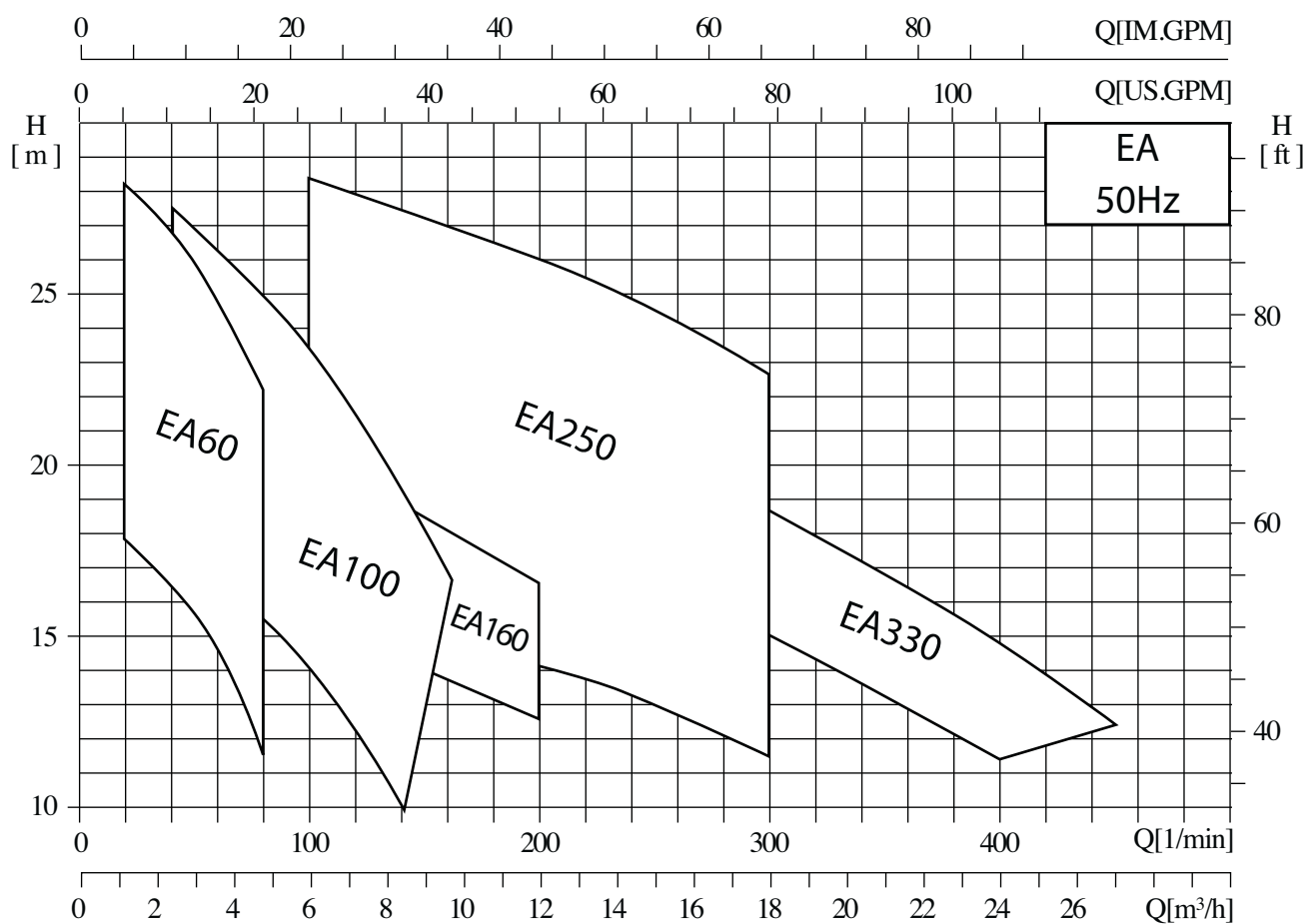
• Motor

- TEFC motor , 2-pole ;
- Protection class : IP55 ;
- Insulation class : F ;
- Standard voltage : 50Hz
 - Single phase (240V)
 - Three phase (415V)
- Standard voltage : 60Hz
 - Single phase (240V)
 - Three phase (460V)

• Pumping liquids

- The pump shall be fastened on the stable horizontal base;
- The installation of the pump shall ensure that the pump will not be in uenced by the tension of the pipeline;
- The pump shall be installed on the ventilating and anti-freezing place to ensure normal operation of the motor;
- Electric wiring device shall guarantee that the pump will not be damaged by lack of phase, unstable voltage, current leakage and overload.

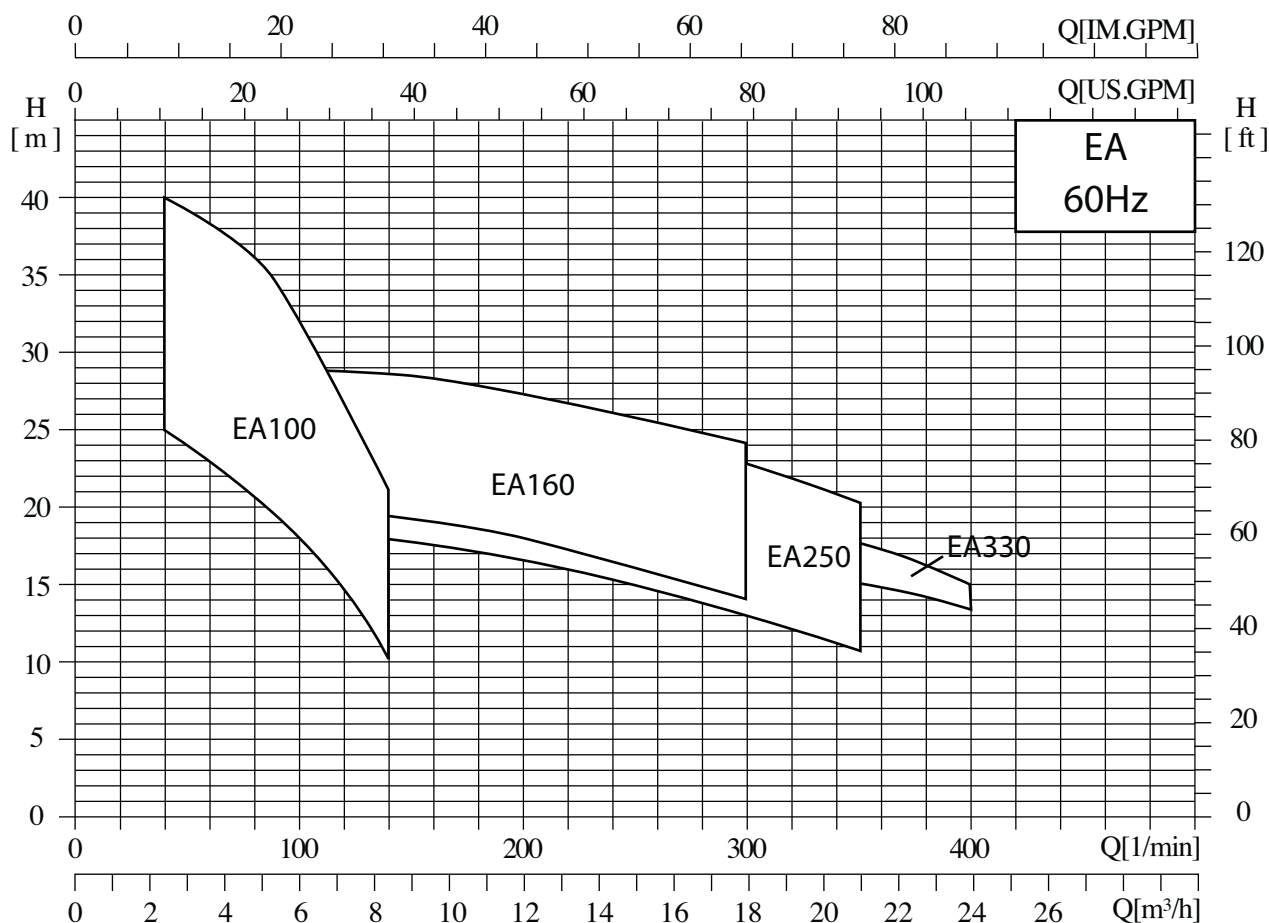
Family Curve - 50 Hz



Performance Table

Model	Driving motor		Q (l/min)	20	40	60	80	100	120	140	160	200	250	300	330	350	400	450
	(kW)	(hp)	Q (m³/h)	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27
EA 060 (SS/KK) A2 03 (T/M)	0.37	0.5	H (m)	17.7	16.4	14.6	11.4											
EA 060 (SS/KK) A2 05 (T/M)	0.55	0.75		22.7	21.3	19.5	16.2											
EA 060 (SS/KK) A2 07 (T/M)	0.75	1		28.2	26.8	25	22											
EA 100 (SS/KK) A2 05 (T/M)	0.55	0.75			17.8	16.7	15.4	14	12.2	9.9								
EA 100 (SS/KK) A2 11 (T/M)	1.1	1.5			27.4	26.3	25	23.4	21.5	19.5	16.7							
EA 160 (SS/KK) A2 07 (T/M)	0.75	1				15.5	15.3	15	14.8	14.3	13.8	12.5						
EA 160 (SS/KK) A2 11 (T/M)	1.1	1.5				19.7	19.5	19.3	19.1	18.7	18.2	16.5						
EA 250 (SS/KK) A2 11 (T/M)	1.1	1.5						15.8	15.6	15.4	15	14.3	13	11.5				
EA 250 (SS/KK) A2 15 (T/M)	1.5	2						23.2	23	22.7	22.2	21.4	19.8	17.7				
EA 250 (SS/KK) A2 22 (T/M)	2.2	3						28.2	27.8	27.5	27	26.2	24.6	22.6				
EA 330 (SS/KK) A2 15 (T/M)	1.5	2							18.8	18.7	18.5	17.8	16.7	15	14	13.5	11.6	
EA 330 (SS/KK) A2 22 (T/M)	2.2	3							22.5	22.2	22	21.5	20.3	18.7	17.5	16.8	14.8	12.3

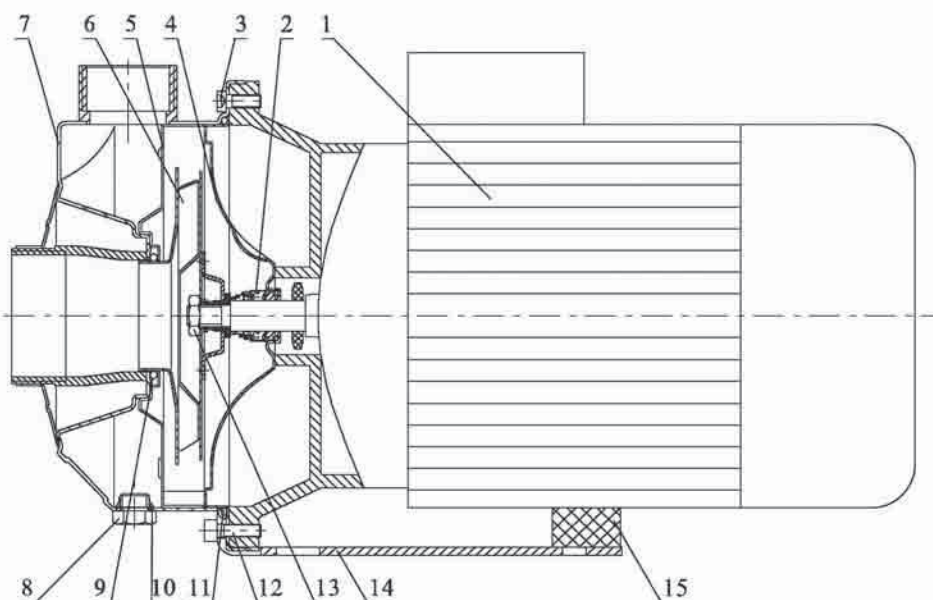
Family Curve - 60 Hz



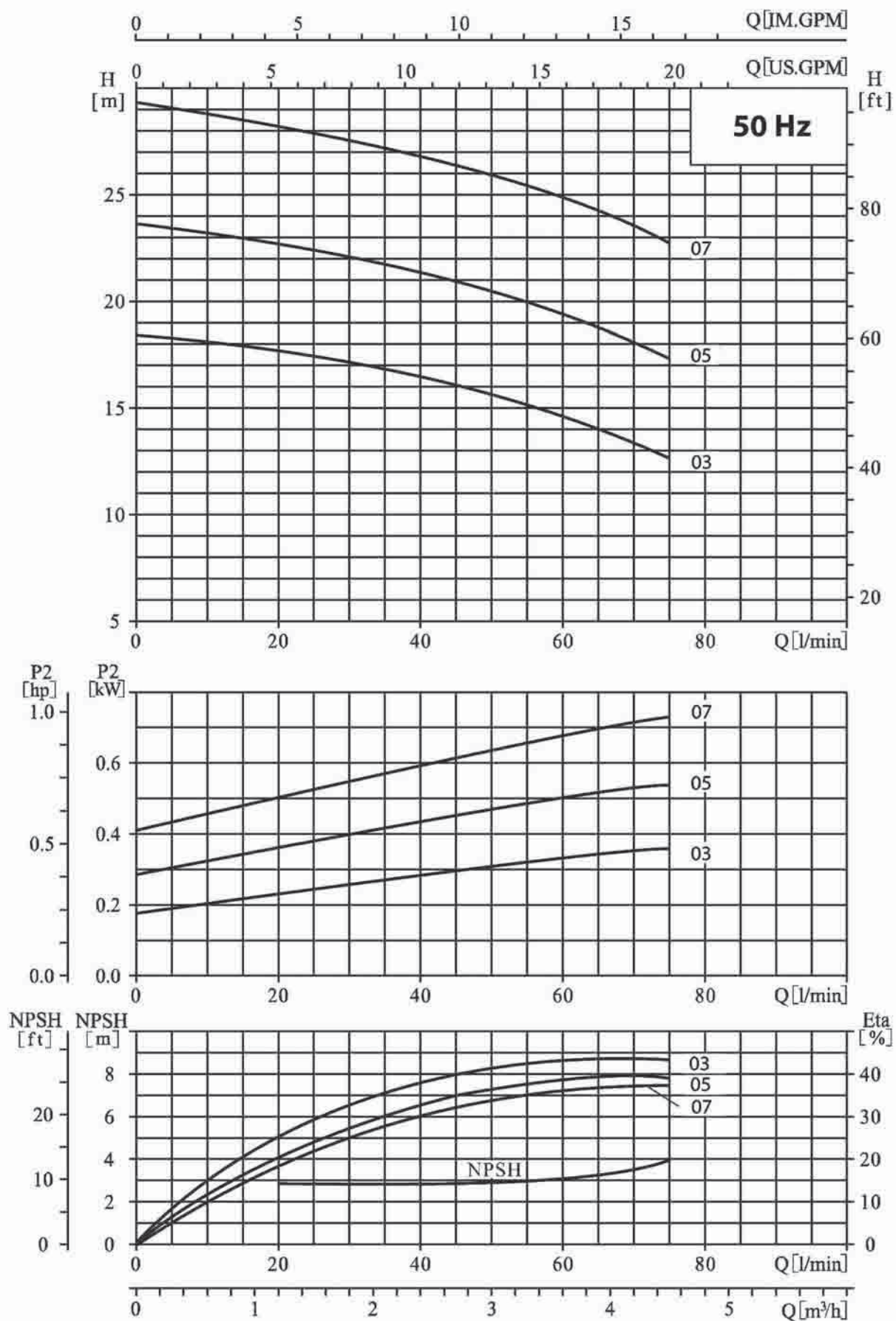
Performance Table

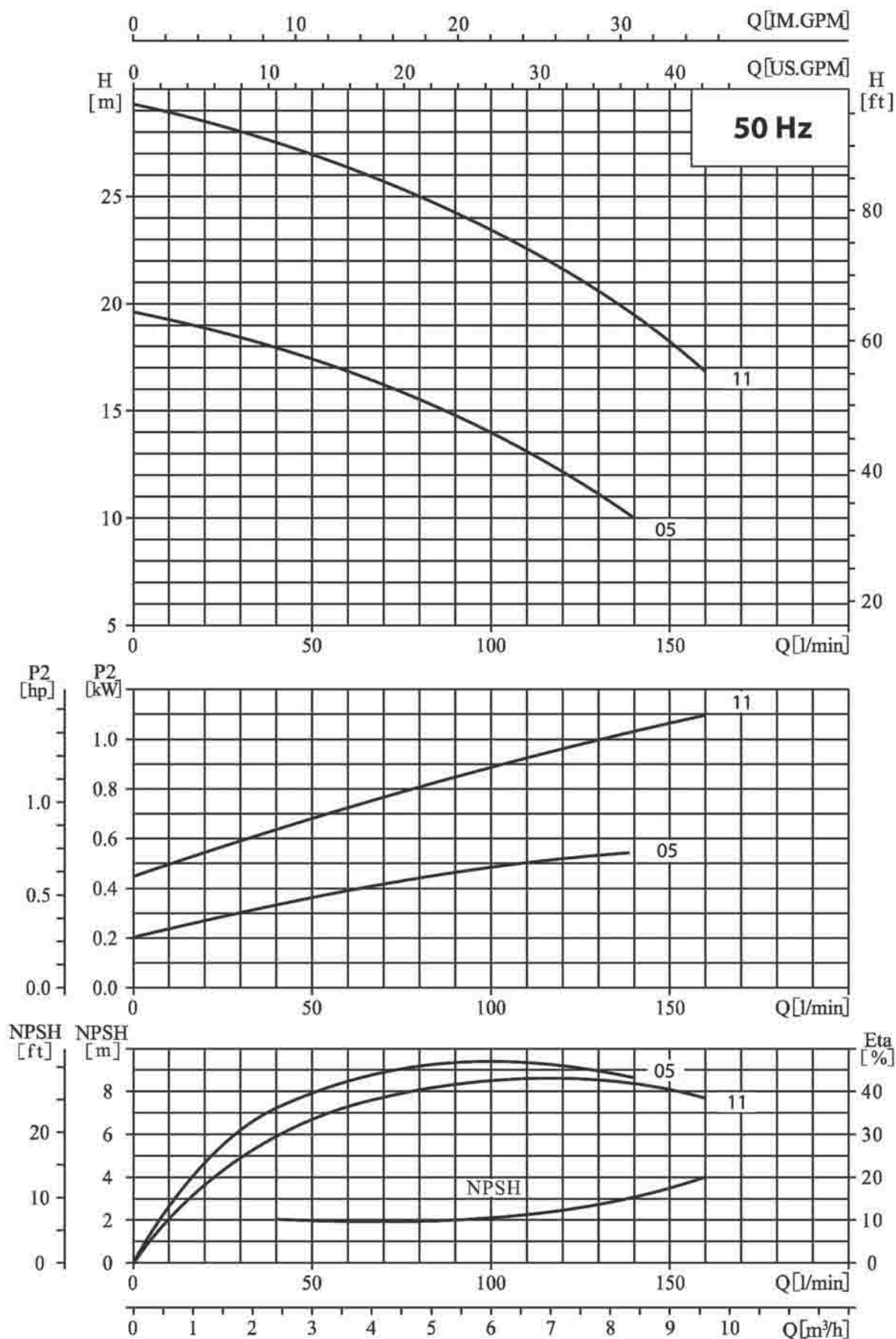
Model	Driving motor		Q (l/min)	20	40	60	80	100	120	140	160	200	250	300	330	350	400
	(kW)	(hp)	Q (m³/h)	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24
EA 100 (SS/KK) B2 07 (T/M)	0.75	1	H (m)		25	23	21	17	15	10							
EA 100 (SS/KK) B2 11 (T/M)	1.1	1.5			33	31	29	25	21	15							
EA 100 (SS/KK) B2 15 (T/M)	1.5	2			40	38	36	32	27	22							
EA 160 (SS/KK) B2 11 (T/M)	1.1	1.5						20.5	20	19.5	19	18	17	14			
EA 160 (SS/KK) B2 15 (T/M)	1.5	2						25.5	25	24.5	24	23	22	20			
EA 160 (SS/KK) B2 22 (T/M)	2.2	3						29	28.8	28.5	28	27.5	26	24			
EA 250 (SS/KK) B2 11 (T/M)	1.1	1.5							18.5	18	17.5	16.5	15	13	12	11	
EA 250 (SS/KK) B2 15 (T/M)	1.5	2							22.5	22	21.5	20.5	18.5	16	14	13	
EA 250 (SS/KK) B2 22 (T/M)	2.2	3							28.5	28	27.5	26.5	25	23	21.5	20.5	
EA 330 (SS/KK) B2 15 (T/M)	1.5	2								19.5	19	18.5	18	16.5	16	15	13.5
EA 330 (SS/KK) B2 22 (T/M)	2.2	3								23	22.5	22	20.5	19.5	18.5	17.5	15

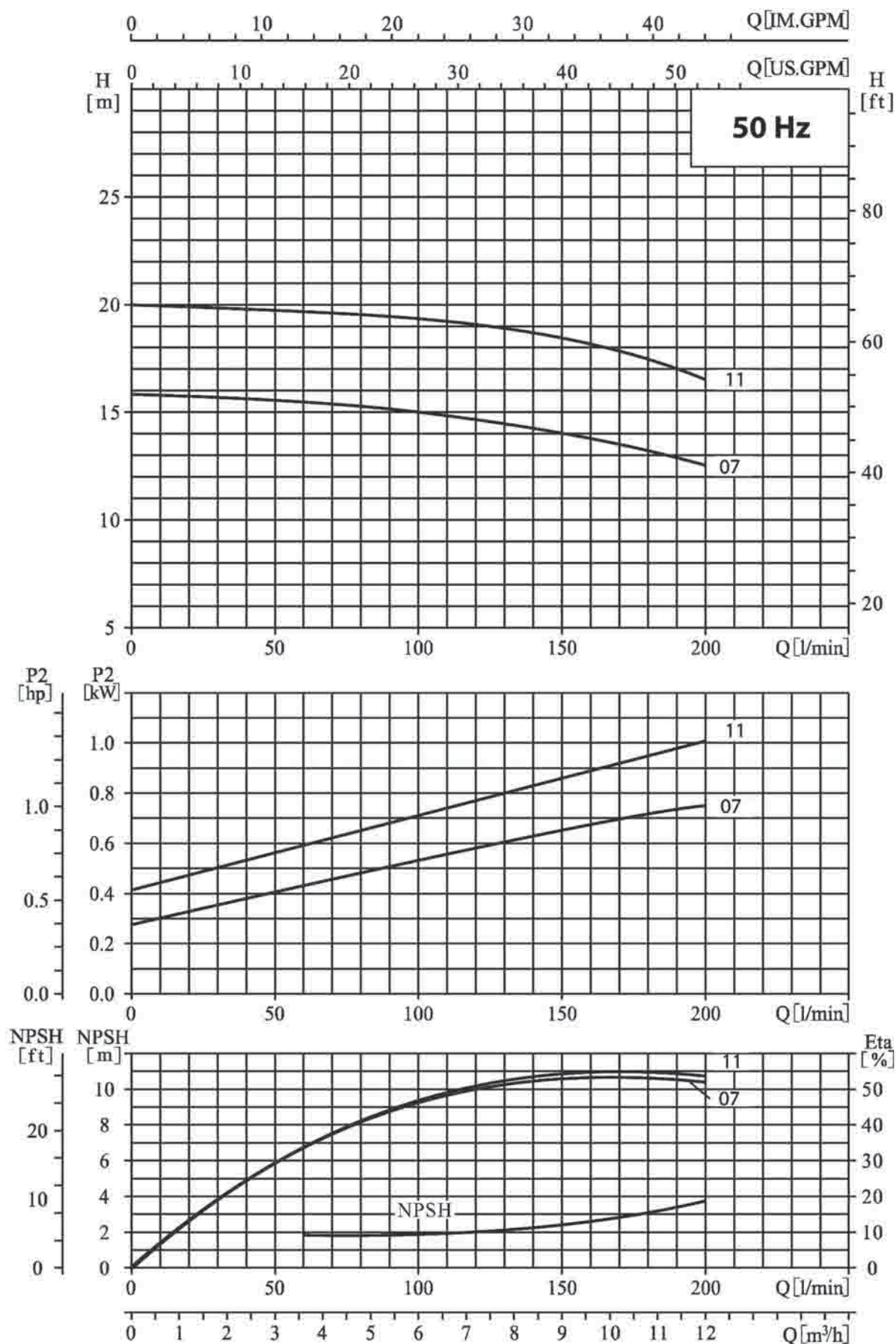
Sectional Drawing

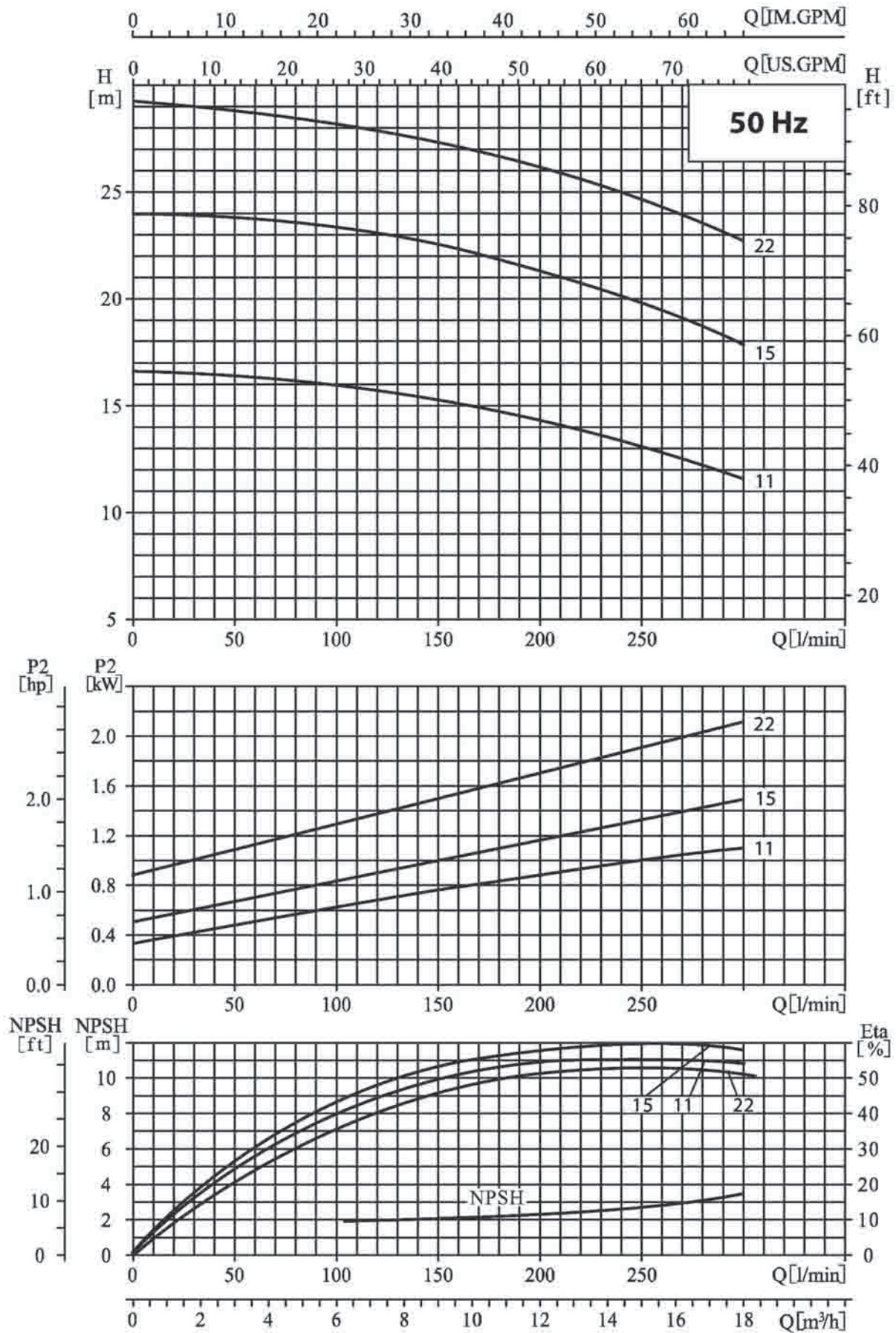


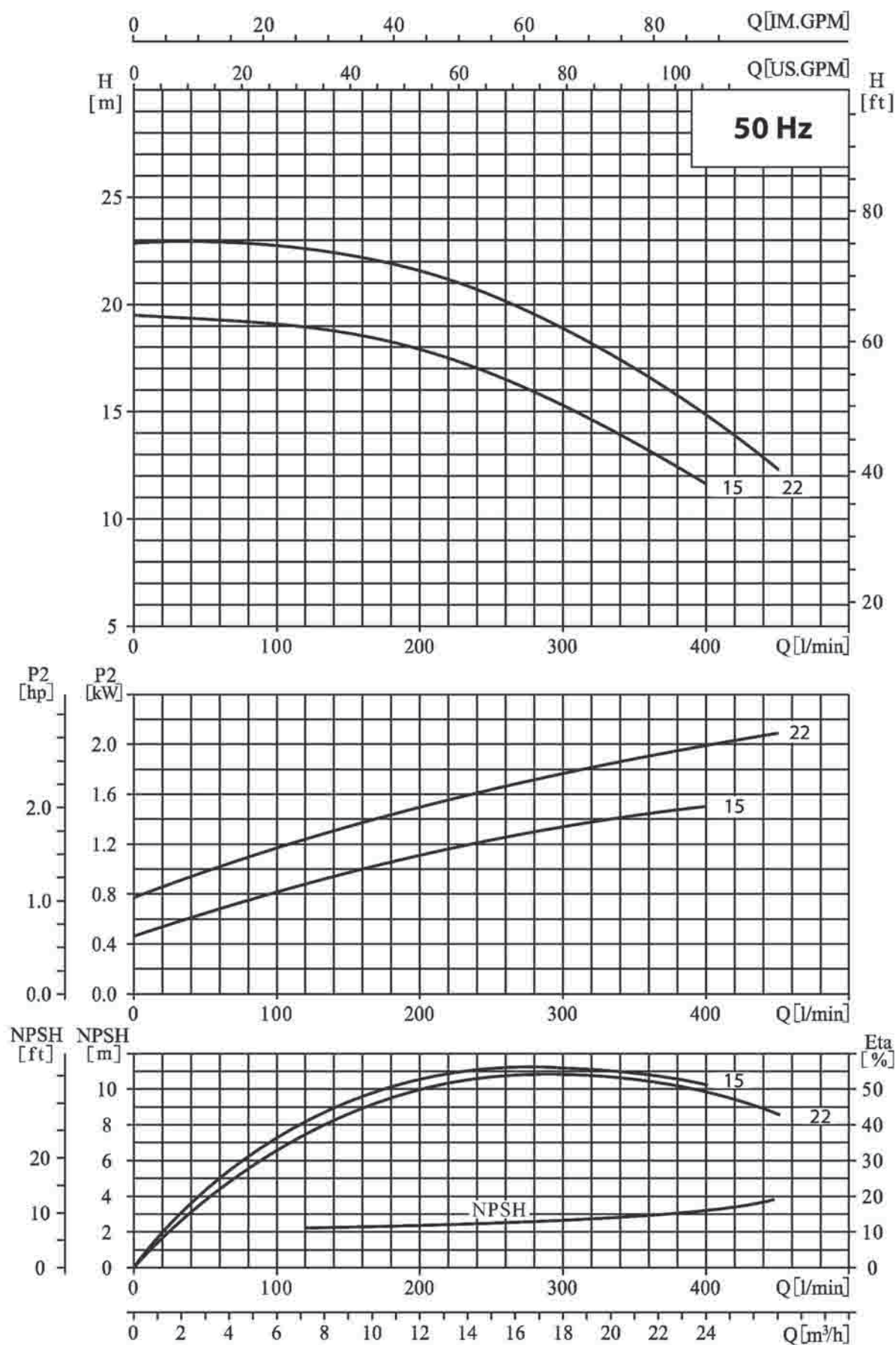
No.	Part Name	Material	AISI
1	Motor		
2	Mechanical seal	Carbon / Silicon Bide	
3	M6 x 15 / Screw	0Cr18Ni9 / SS304	AISI304
4	Seal Base	0Cr18Ni9 / SS304	AISI304
5	Diffuser	0Cr18Ni9 / SS304	AISI304
6	Impeller	0Cr18Ni9 / SS304	AISI304
7	Pump body	0Cr18Ni9 / SS304	AISI304
8	Vent	0Cr18Ni9 / SS304	AISI304
9	O-Ring	NBR	
10	O-Ring	NBR	
11	O-Ring	NBR	
12	M6 x 20 / Screw	0Cr18Ni9 / SS304	AISI304
13	Nut M10	0Cr18Ni9 / SS304	AISI304
14	Base	Steel	A570
15	Support foot	NBR	

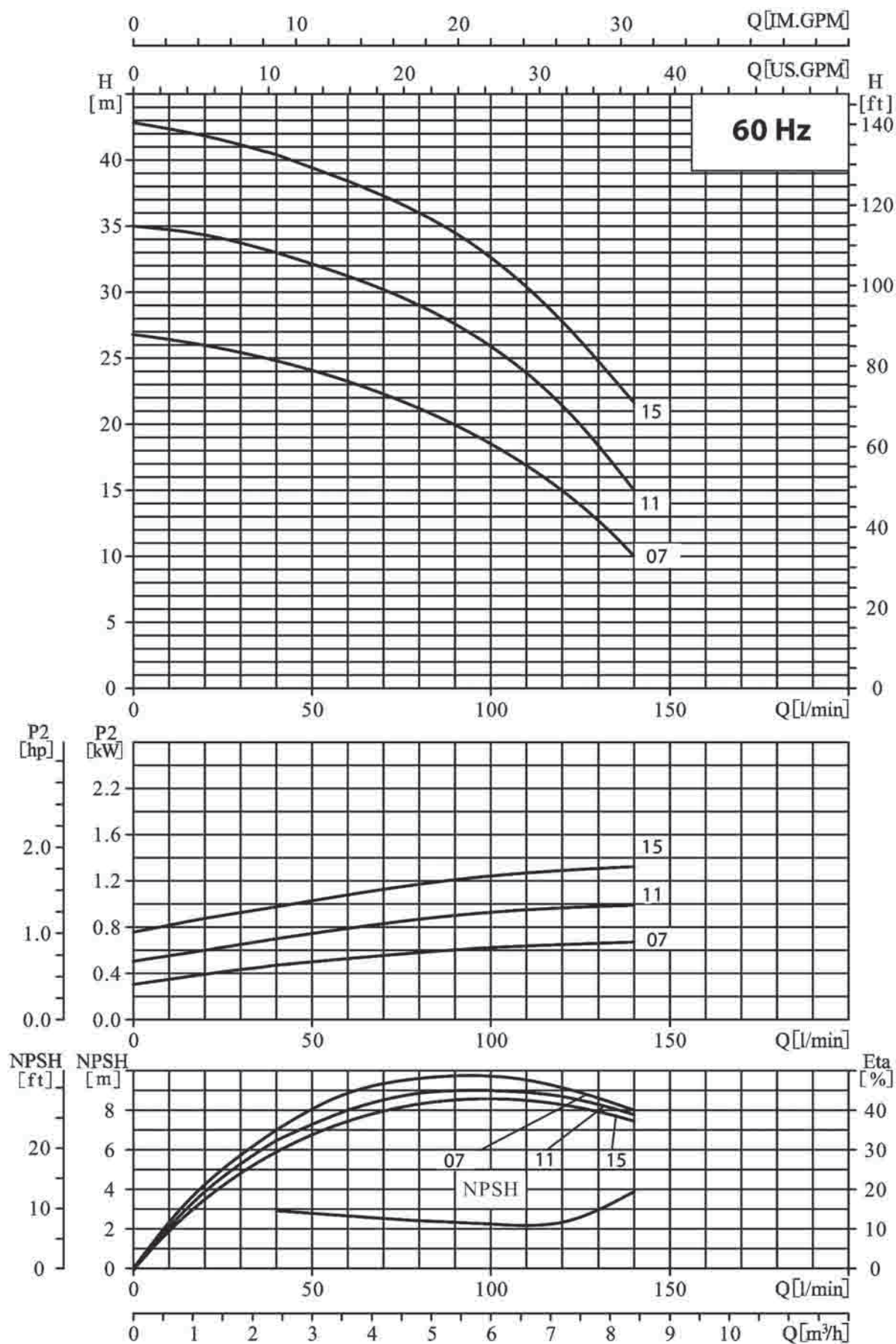


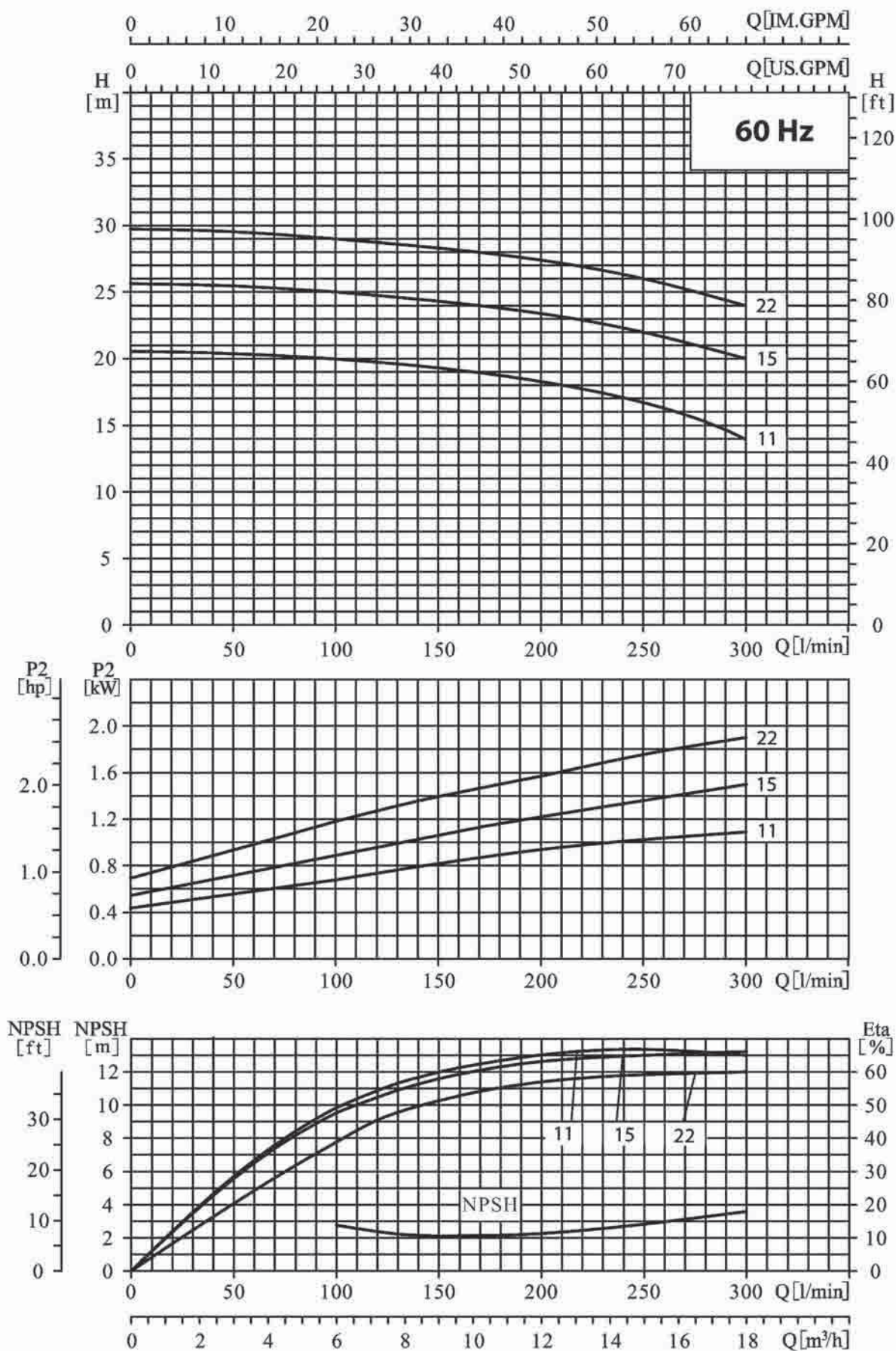


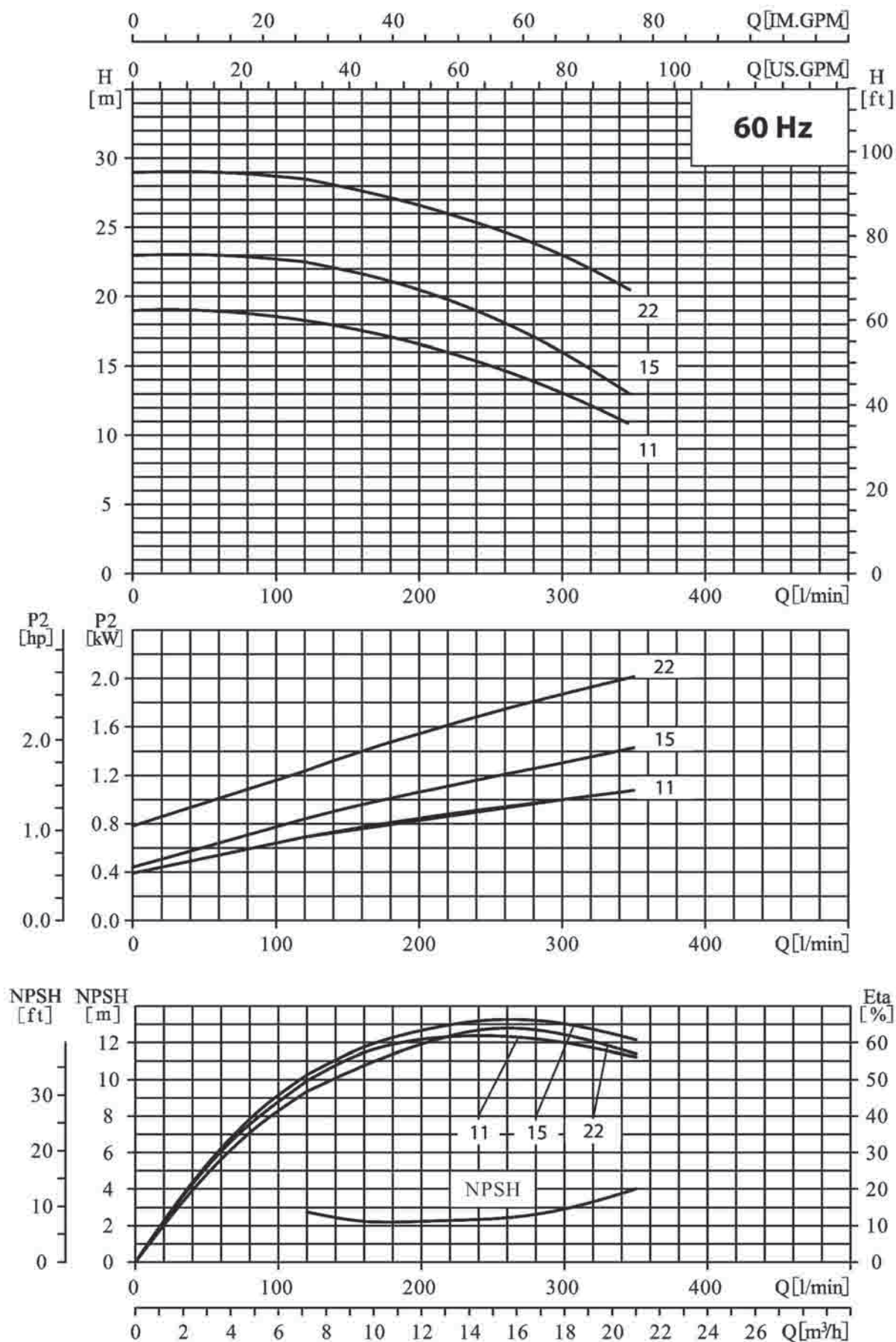


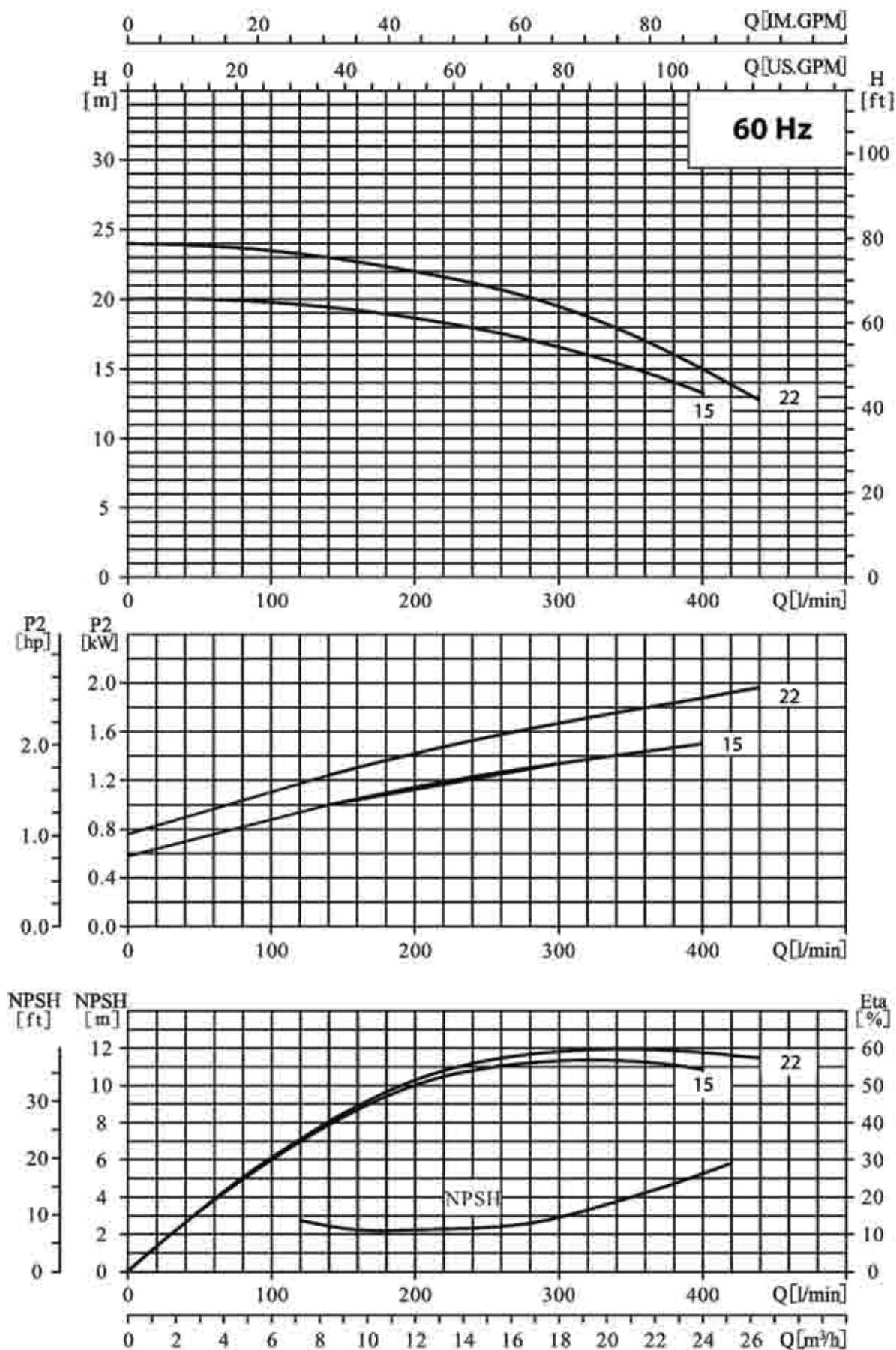




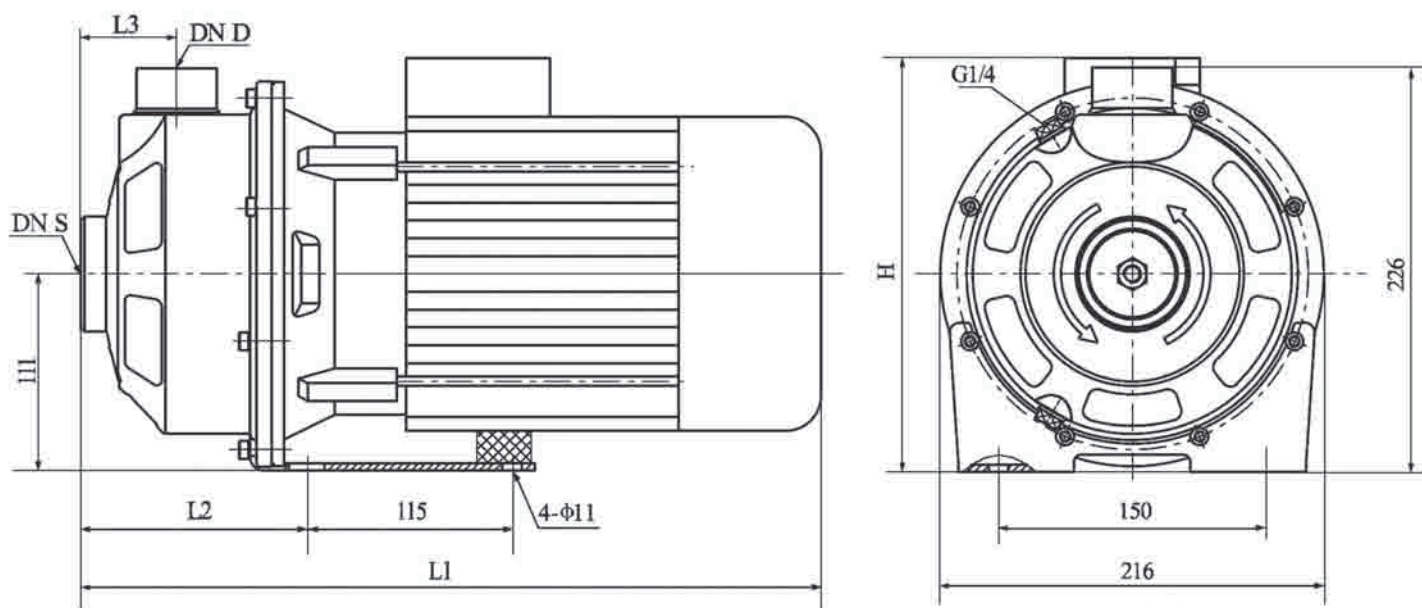








Performance Curve



Size and Weight - 50 Hz

Model	Motor			L1	L2	L3	H		DN S	DN D	Weight
	Phase	kW	hp	mm			3ph (T)	1ph (M)	Inlet	Outlet	kg
EA 060 (SS/KK) A2 03 (T/M)	3PH / 1PH	0.37	0.5	328	113	51	216	230	G1 ¼	G1	10
EA 060 (SS/KK) A2 05 (T/M)		0.55	0.75	328	113	51	216	230	G1 ¼	G1	12
EA 060 (SS/KK) A2 07 (T/M)		0.75	1	361	113	51	223	245	G1 ¼	G1	14
EA 100 (SS/KK) A2 05 (T/M)		0.55	0.75	328	113	51	216	230	G1 ¼	G1	12
EA 100 (SS/KK) A2 11 (T/M)		1.1	1.5	361	113	51	223	245	G1 ¼	G1	16
EA 160 (SS/KK) A2 07 (T/M)		0.75	1	375	127	54	223	245	G1 ¼	G1 ¼	14
EA 160 (SS/KK) A2 11 (T/M)		1.1	1.5	375	127	54	223	245	G1 ½	G1 ¼	16
EA 250 (SS/KK) A2 11 (T/M)		1.1	1.5	375	127	54	223	245	G1 ½	G1 ¼	16
EA 250 (SS/KK) A2 15 (T/M)		1.5	2	415	127	54	232	253	G1 ½	G1 ¼	20
EA 250 (SS/KK) A2 22 (T/M)		2.2	3	415	127	54	232	253	G1 ½	G1 ¼	23
EA 330 (SS/KK) A2 15 (T/M)		1.5	2	415	127	54	232	253	G2	G1 ¼	20
EA 330 (SS/KK) A2 22 (T/M)		2.2	3	415	127	54	232	253	G2	G1 ¼	23

Size and Weight - 60 Hz

Model	Motor			L1	L2	L3	H		DN S	DN D	Weight
	Phase	kW	hp	mm			3ph (T)	1ph (M)	Inlet	Outlet	kg
EA 100 (SS/KK) B2 07 (T/M)	3PH / 1PH	0.75	1	361	113	51	223	245	G1 ¼	G1	14
EA 100 (SS/KK) B2 11 (T/M)		1.1	1.5	361	113	51	223	245	G1 ¼	G1	14
EA 100 (SS/KK) B2 15 (T/M)		1.5	2	401	113	51	232	253	G1 ¼	G1	20
EA 160 (SS/KK) B2 11 (T/M)		1.1	1.5	375	127	54	223	245	G1 ½	G1 ¼	16
EA 160 (SS/KK) B2 15 (T/M)		1.5	2	415	127	54	232	253	G1 ½	G1 ¼	20
EA 160 (SS/KK) B2 22 (T/M)		2.2	3	415	127	54	232	253	G1 ½	G1 ¼	23
EA 250 (SS/KK) B2 11 (T/M)		1.1	1.5	375	127	54	223	245	G1 ½	G1 ¼	16
EA 250 (SS/KK) B2 15 (T/M)		1.5	2	415	127	54	232	253	G1 ½	G1 ¼	20
EA 250 (SS/KK) B2 22 (T/M)		2.2	3	415	127	54	232	253	G1 ½	G1 ¼	23
EA 330 (SS/KK) B2 15 (T/M)		1.5	2	415	127	54	232	253	G2	G1 ¼	20
EA 330 (SS/KK) B2 22 (T/M)		2.2	3	415	127	54	232	253	G2	G1 ¼	23



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