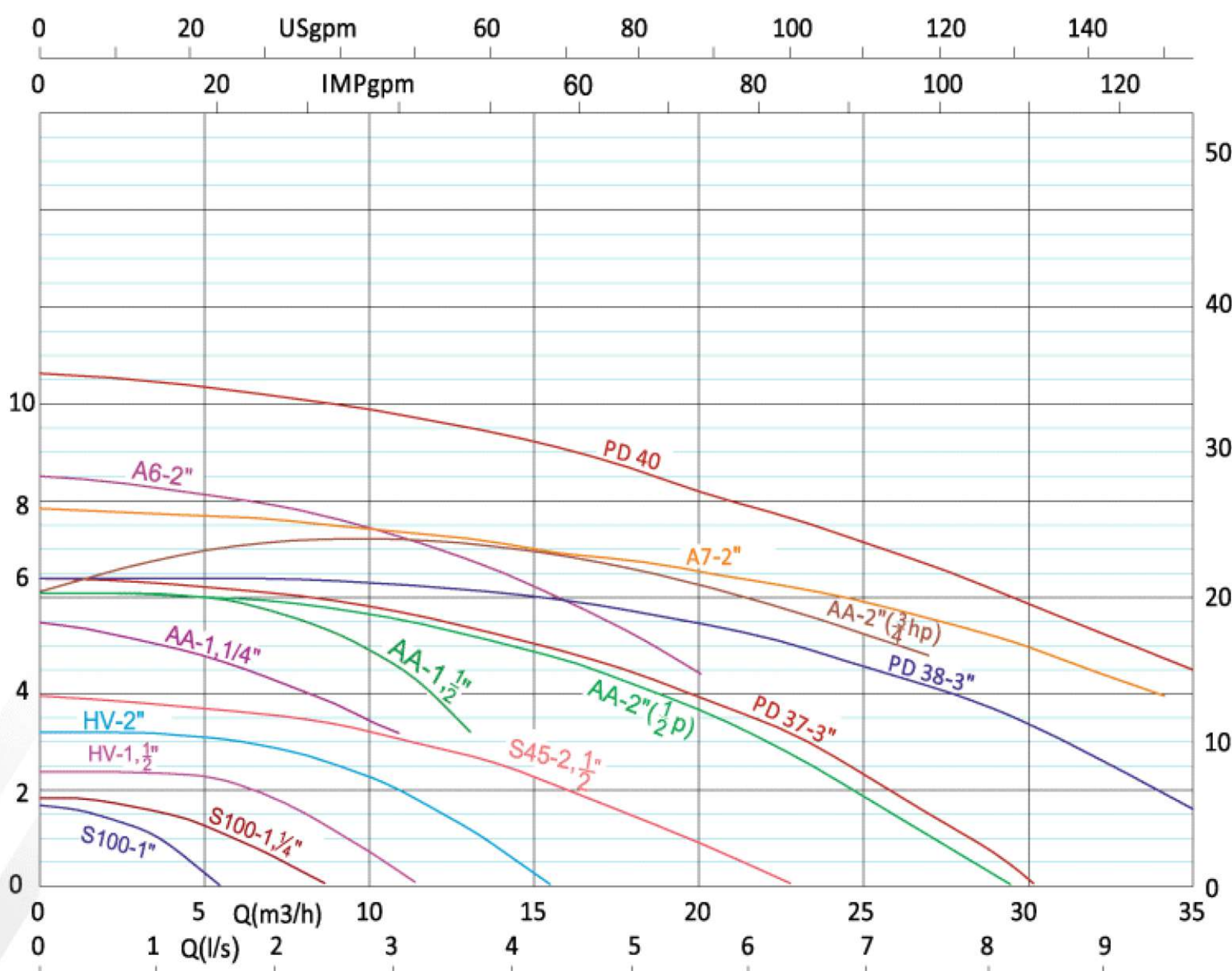
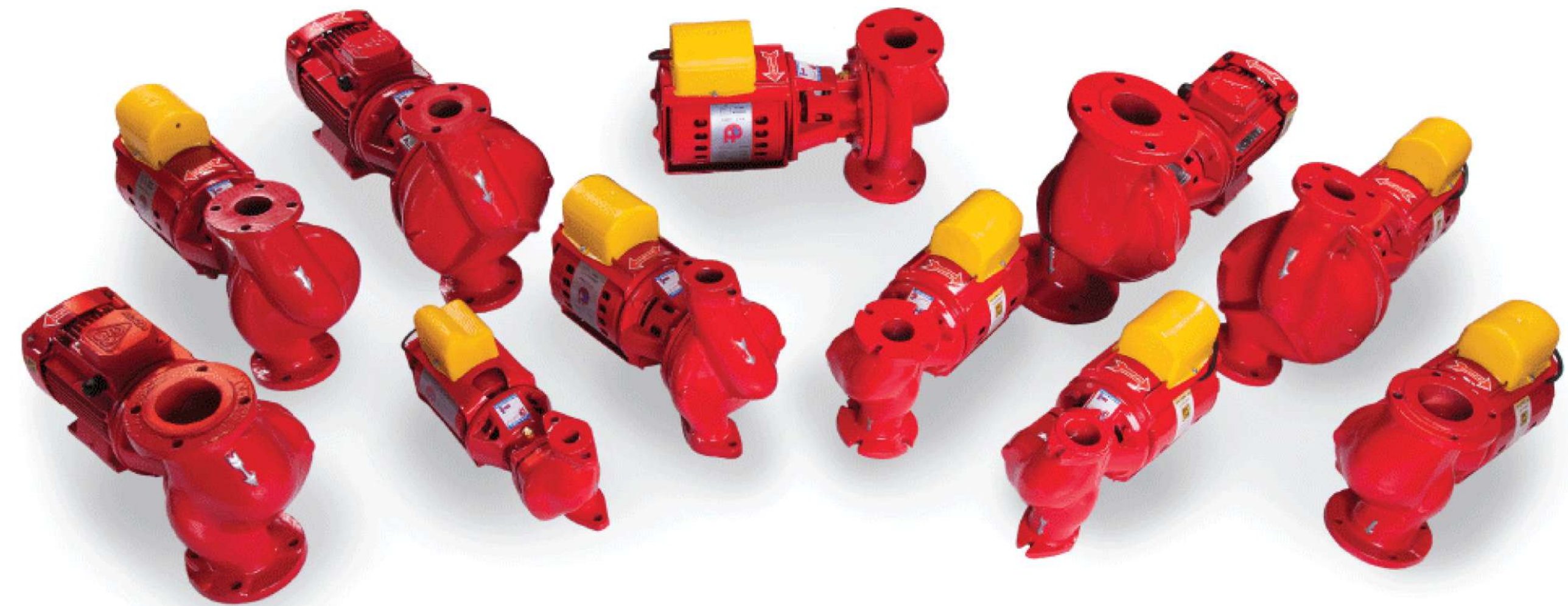


In-Line Circulator Types													
No.	Pump Type	Max Capacity (GPM)	Maximum Head (ft)	Impeller Diameter (mm)	Suction Flange Dia (Inch)	Discharge Flange Dia (Inch)	Body Height Dia(cm)	Power		Ampere		N (rpm)	
								KW	HP	1-Phase	3-Phase		
1	2" A6	90	28	150	2"	2"	35	0.75(3/4)	1	5.8	3.8	1450	
2	2" A7	145	27	155	2"	2"	35	1.1 (3/4)	1.5	5.8	3.8	1450	
3	1,1/2" AA	55	20	129	1,1/2"	1,1/2"	30	0.37	0.5(1/2)	2.8	—	1450	
4	2" AA (3/4hp)	120	24	129	2"	2"	30	0.55	0.75(3/4)	3.9	—	1450	
5	1,1/4" AA	45	18	129	1,1/4"	1,1/4"	30	0.37	0.5(1/2)	2.8	—	1450	
6	2" AA (1/2hp)	128	20	129	2"	2"	30	0.37	0.5(1/2)	2.8	—	1450	
7	1,1/2" HV	50	8	75	1,1/2"	1,1/2"	22	0.12(1/8)	0.16(1/6)	1.35	—	1450	
8	2" HV	68	11	85	2"	2"	22	0.12(1/8)	0.16(1/6)	1.35	—	1450	
9	PD37	130	22	129	2,1/2"	2,1/2"	31	0.55	0.75(3/4)	3.9	2.8	1450	
10	PD38	150	21	129	3"	3"	31	0.75(3/4)	1	5.8	3.8	1450	
11	PD40	150	34	150	3"	3"	38	1.5	2	9.4	7.1	1450	
12	2,1/2" S45	100	13	100	2,1/2"	2,1/2"	27	0.25(1/4)	0.33(1/3)	2.2	—	1450	
13	1"-S100	24	6	70	1"	1"	16.5	0.09	0.125(1/8)	0.75	—	1450	
14	1,1/4"-S100	35	7	70	1,1/4"	1,1/4"	16.5	0.09	0.125(1/8)	0.75	—	1450	

Circulator

پمپ‌های سیرکولاتور

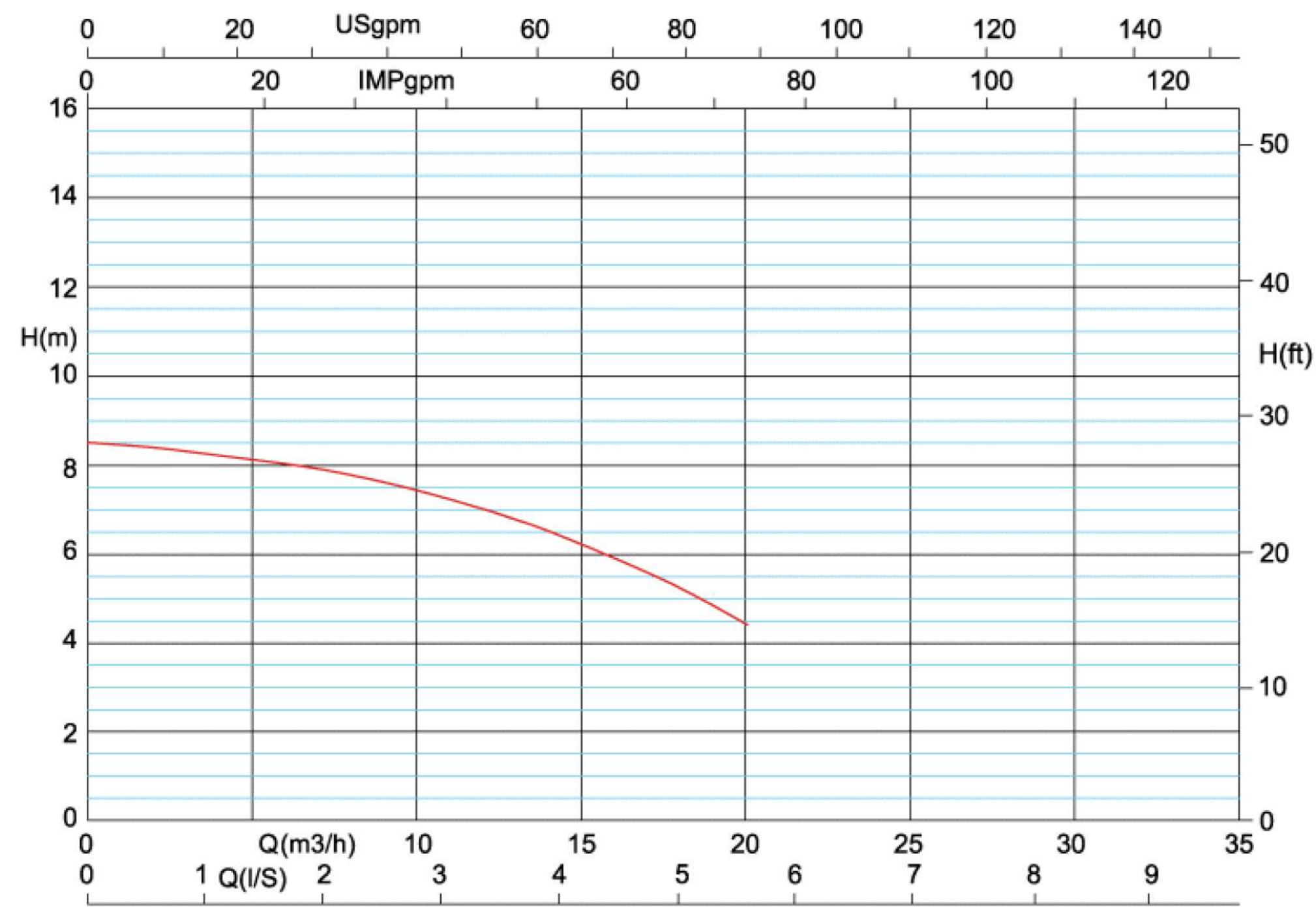


مشخصات کلی

- ◆ دارای الکترو موتورهای استاندارد با مصرف کم برق شرکت الکتروژن
- ◆ دارای شاسی انحصاری شرکت آزاد البرز برای بی صدا نمودن الکترو موتور
- ◆ دارای مکانیکال سیل
- ◆ دارای کوپلینگ فنری
- ◆ جنس پروانه ها از نوع پلی کربنات و پلی آمید الیاف دار است، که مقاوم در برابر خوردگی و رسوبات می باشد.
- ◆ جنس شفت ها از نوع فولاد آلیاژی ضد زنگ می باشد.
- ◆ درجه حرارت سیال در آب بندی با آب بند مکانیکال سیل: از ۵۰- تا ۱۴۰ درجه سانتی گراد می باشد.

General Specification

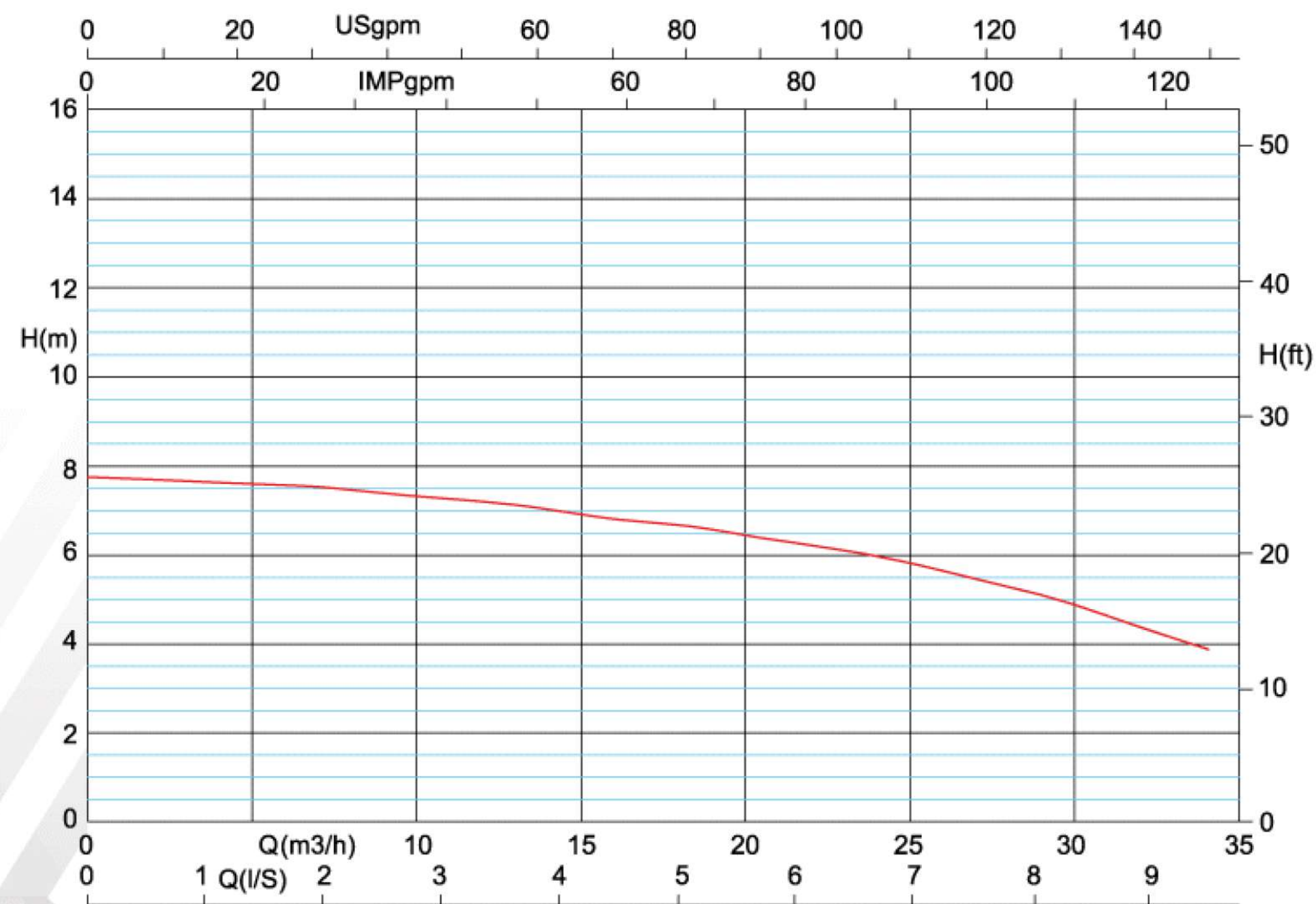
- ◆ They contain standard engines with low power consumption that belong to Electrogen co.
- ◆ They contain exclusive chassis of Azad Alborz Company to make engines silent.
- ◆ They contain mechanical seal.
- ◆ They have springy and elastic coupling.
- ◆ The impellers are made of polycarbonate so they are resistant against sediment.
- ◆ Shafts are made of stainless alloy steels.
- ◆ Operating temperature with mechanical seal: from -50 °c to 140 °c



2" A6



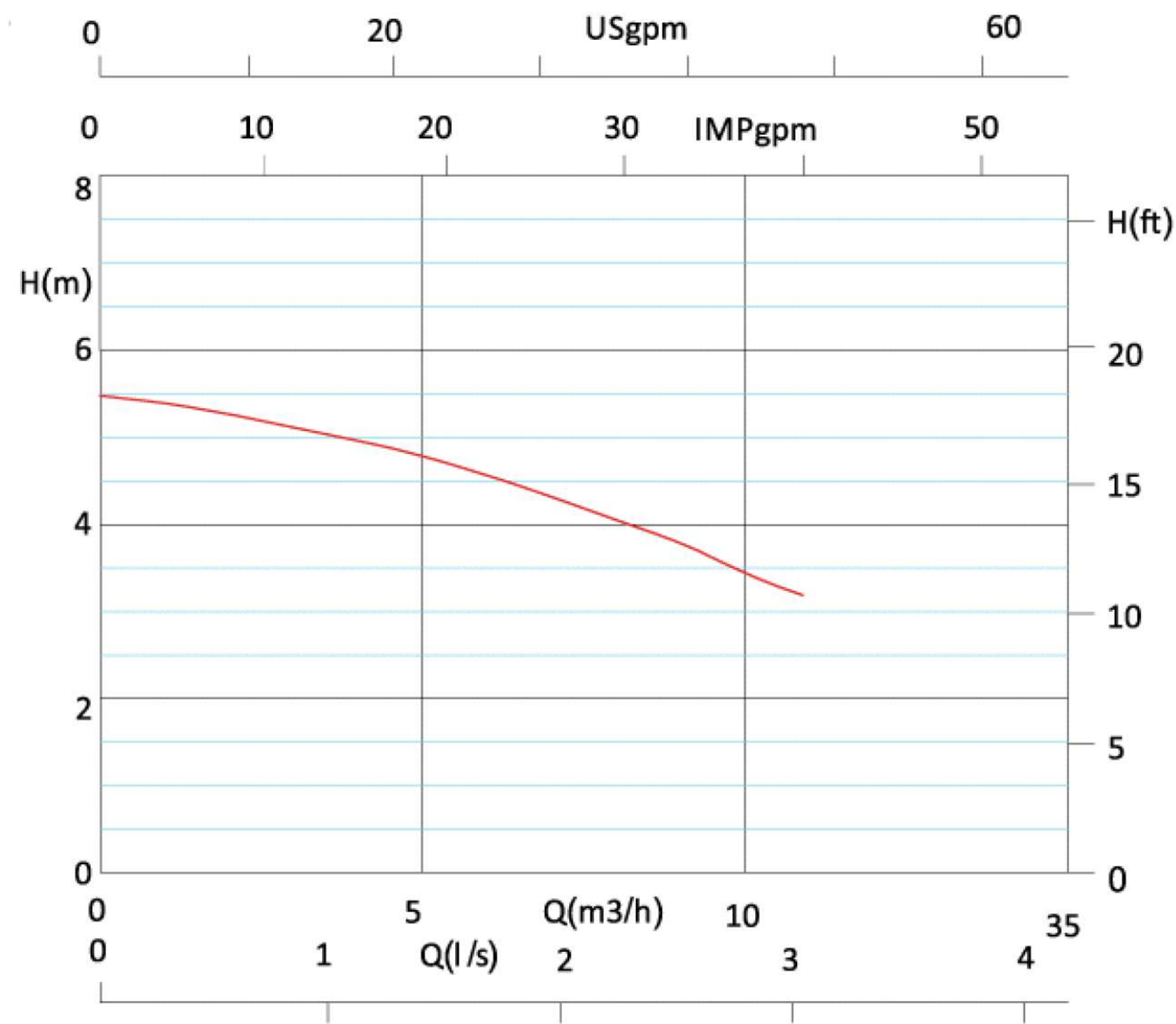
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
90	28	150	Mechanical Seal	2"	2"	35	Cast Iron	Alloyed Steel	Compound Poly Amide	0.75 (3.4)	1	1450	5.8	3.8



2" A7



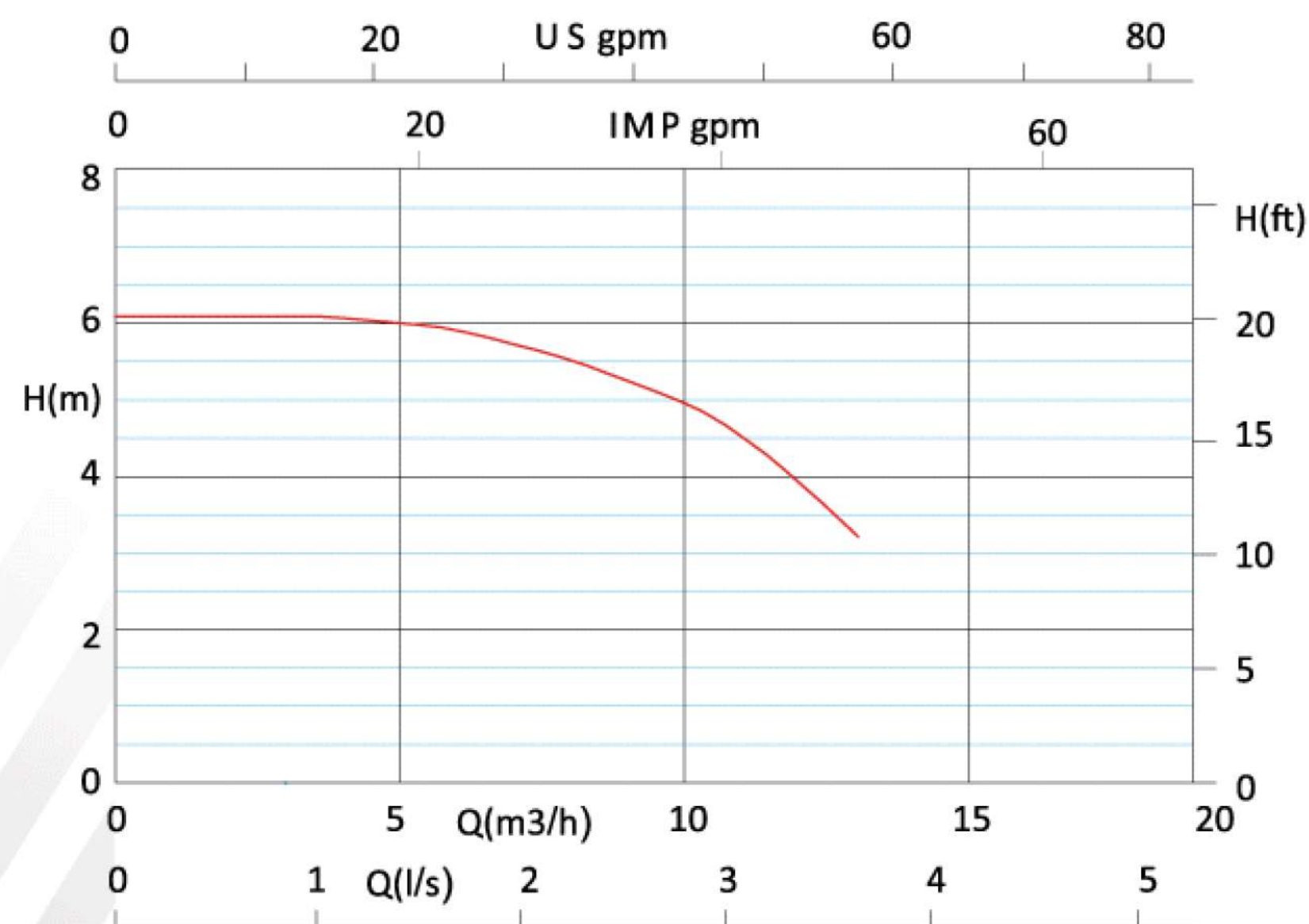
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
145	27	150	Mechanical Seal	2"	2"	35	Cast Iron	Alloyed Steel	Compound Poly Amide	1.1 (3/4)	1.5	1450	5.8	3.8



1-1/4 AA



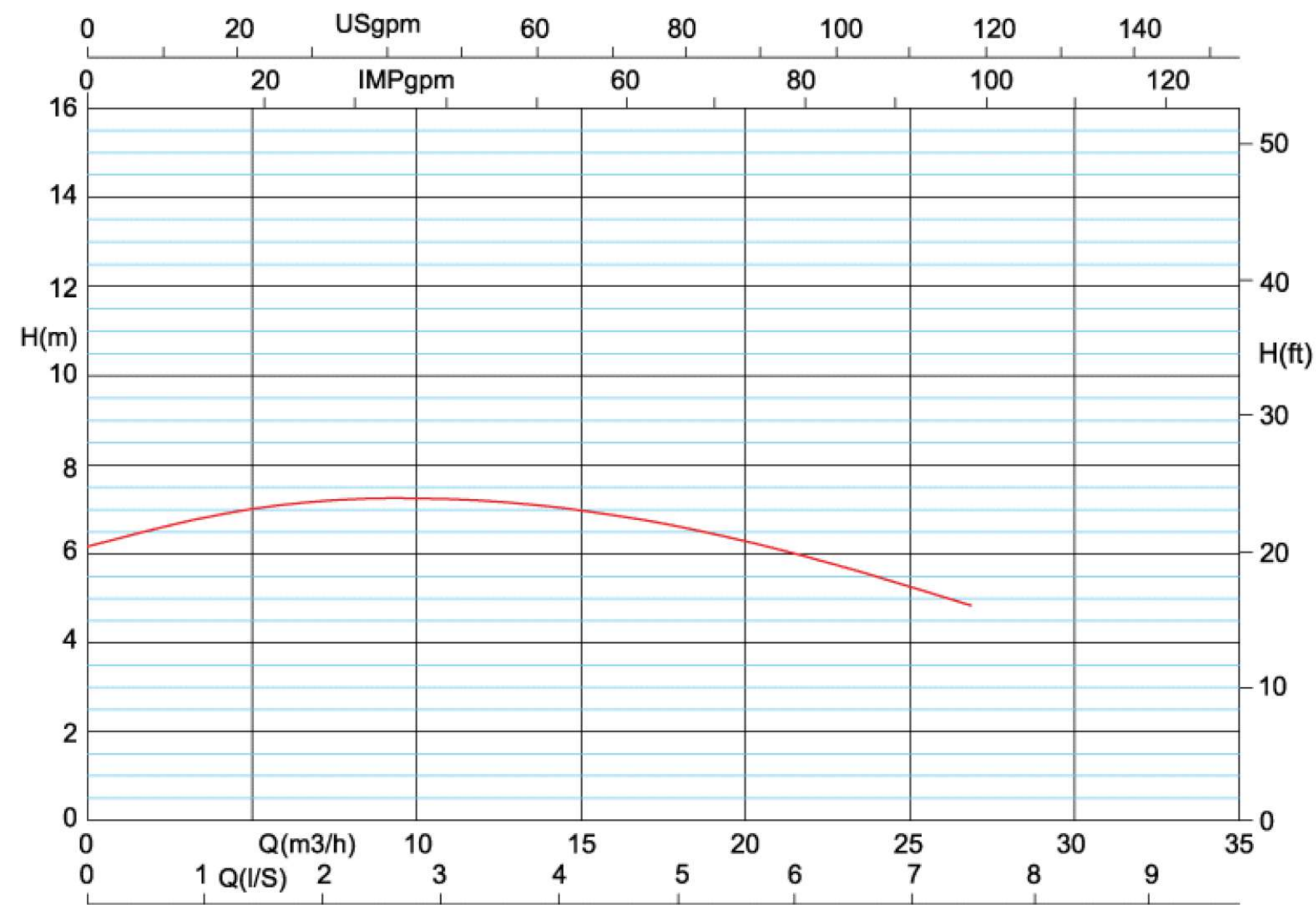
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
45	18	129	Mechanical Seal	1,1/4"	1,1/4"	30	Cast Iron	Alloyed Steel	Compound Poly Amide	0.37	0.5 (1/2)	1450	2.8	—



1-1/2 AA



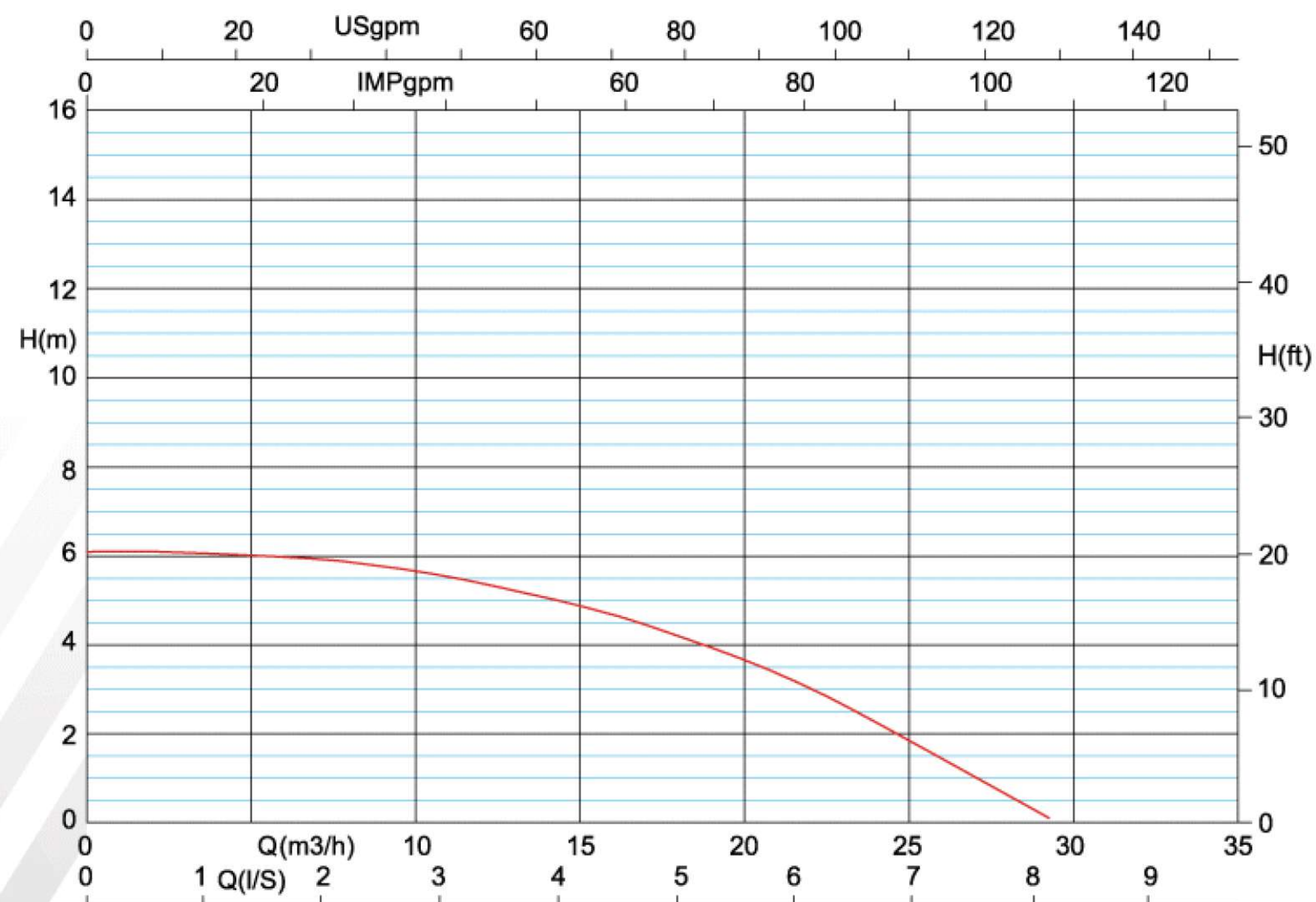
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
55	20	129	Mechanical Seal	1,1/2"	1,1/2"	30	Cast Iron	Alloyed Steel	Compound Poly Amide	0.37	0.5 (1/2)	1450	2.8	—



2" AA 3/4



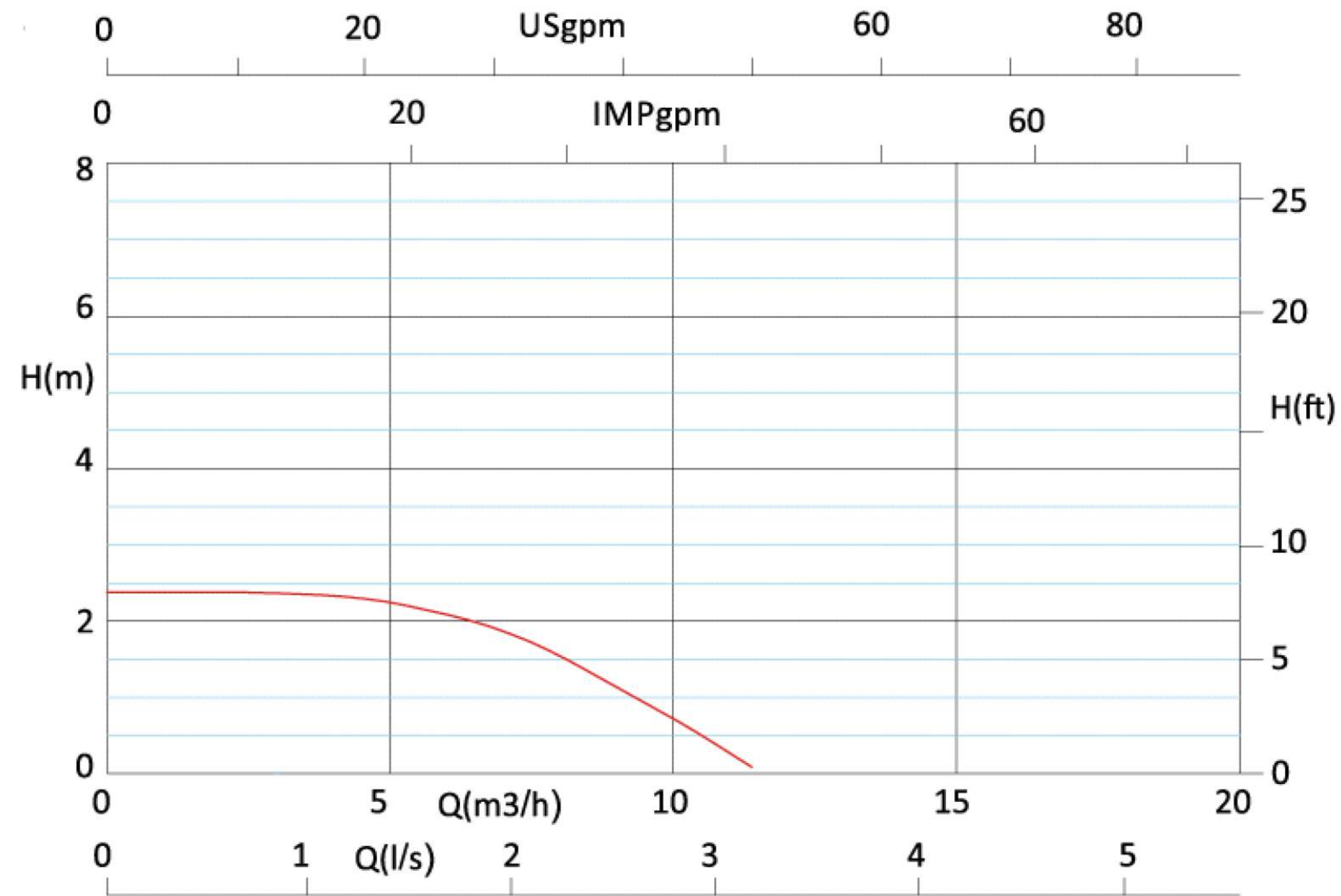
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
120	24	129	Mechanical Seal	2"	2"	30	Cast Iron	Alloyed Steel	Compound Poly Amide	0.55	0.75(3/4)	1450	3.9	—



2" AA



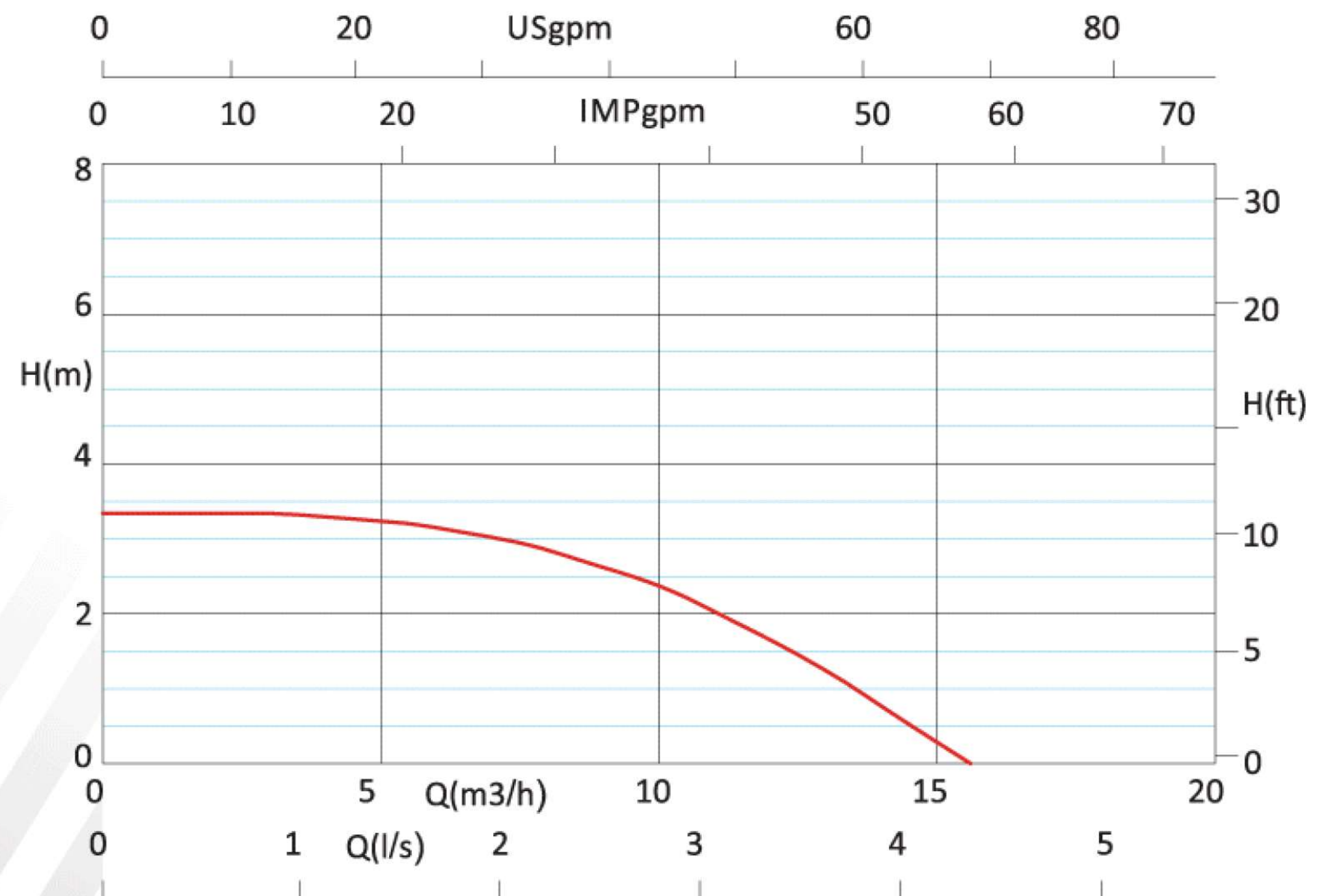
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
128	20	129	Mechanical Seal	2"	2"	30	Cast Iron	Alloyed Steel	Compound Poly Amide	0.37	0.5 (1/2)	1450	2.8	—



1-1/2 HV



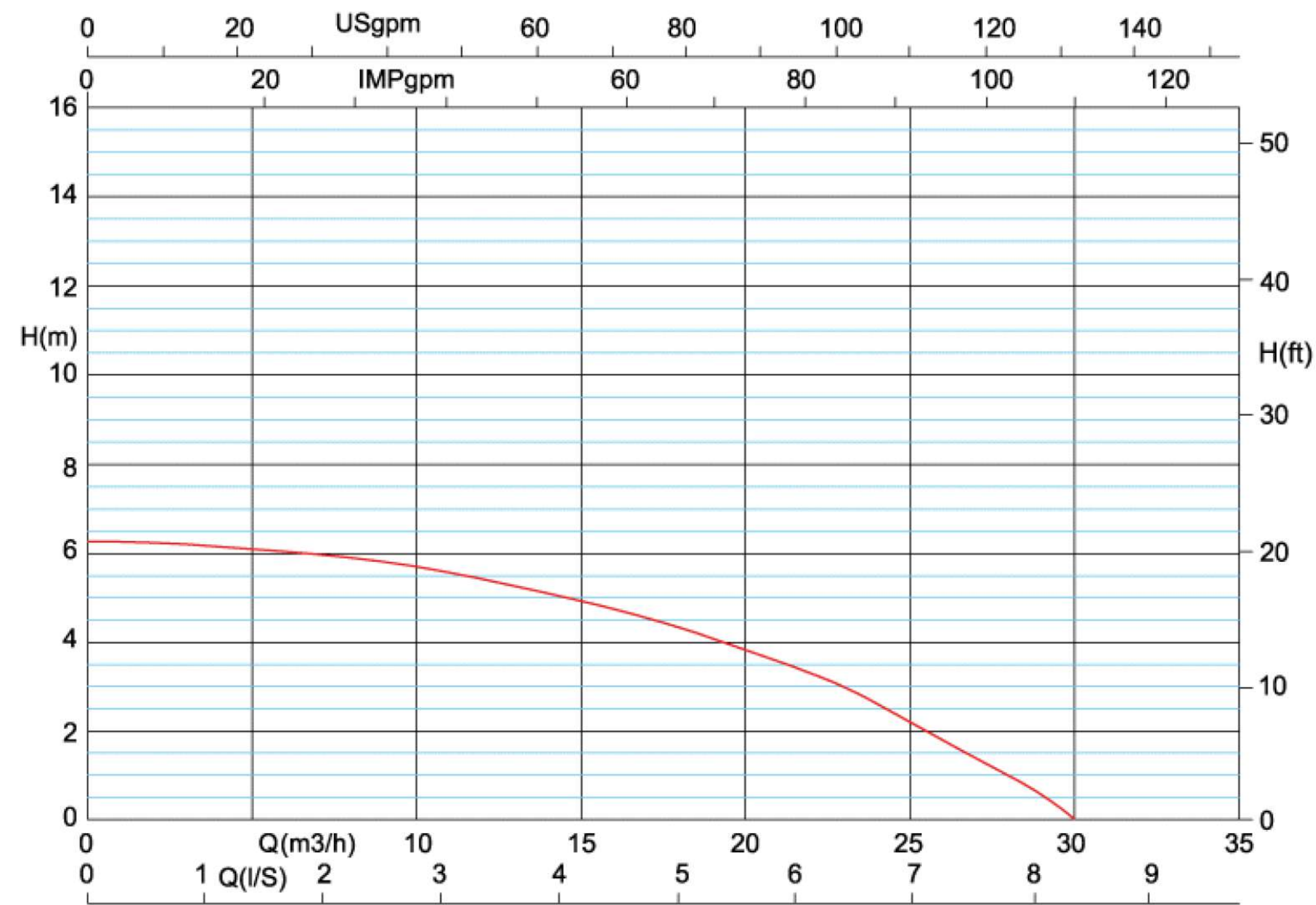
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
50	8	75	Mechanical Seal	1,1.2"	1,1.2"	22	Cast Iron	Alloyed Steel	Compound Poly Amide	0.12(1/8)	0.16(1/6)	1450	1.35	—



2" HV



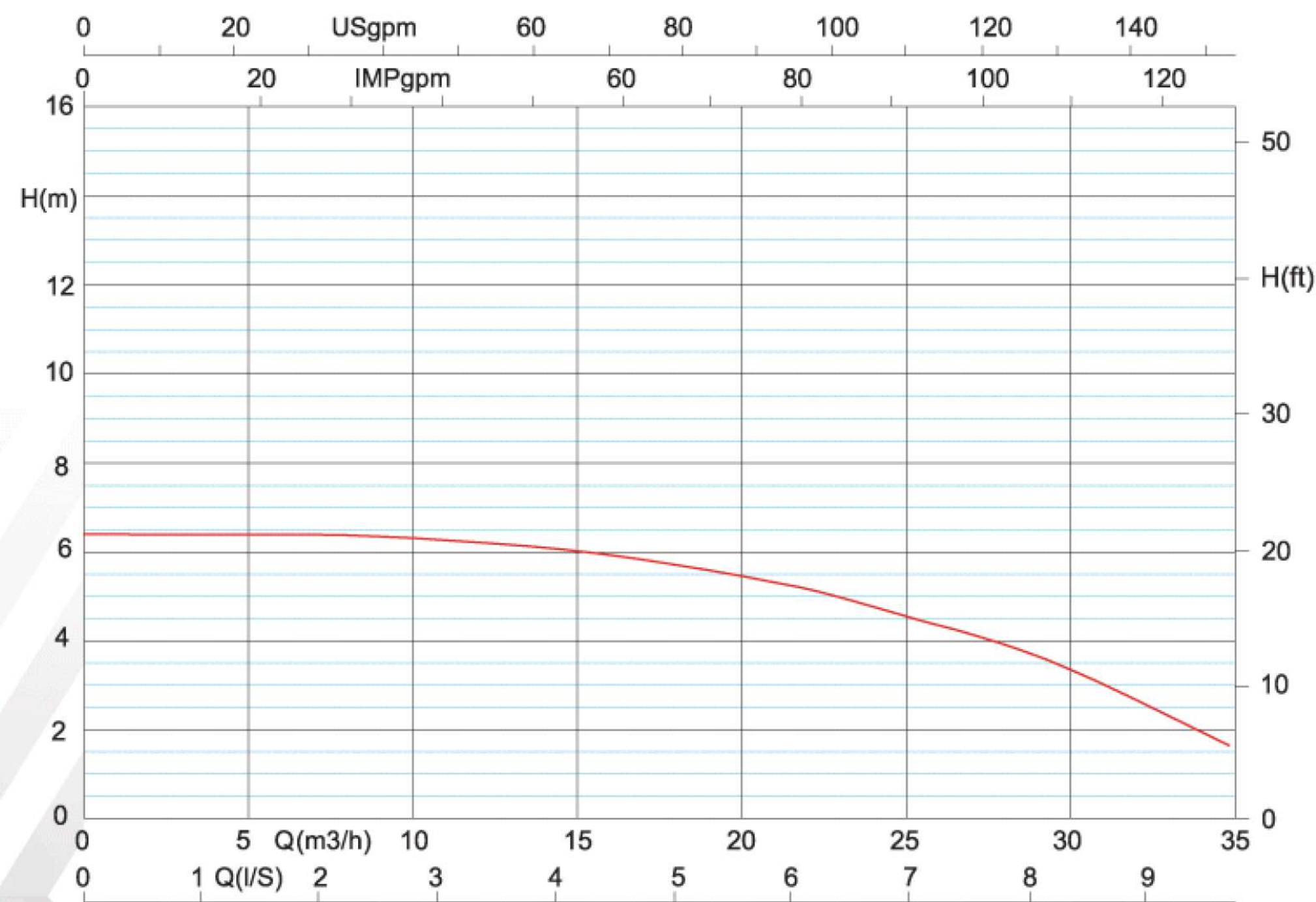
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
68	11	85	Mechanical Seal	2"	2"	22	Cast Iron	Alloyed Steel	Compound Poly Amide	0.12(1/8)	0.16(1/6)	1450	1.4	0.87



PD 37



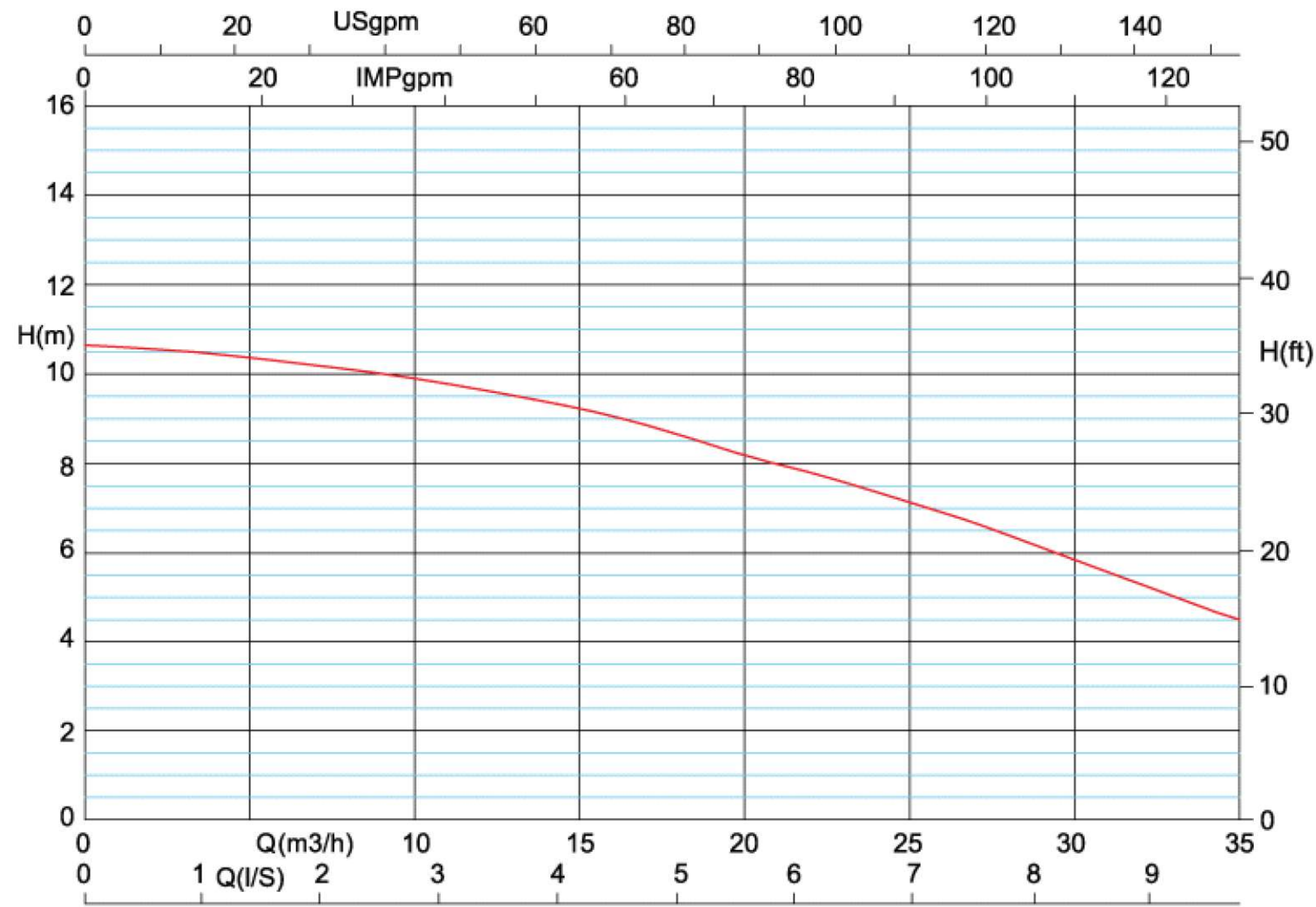
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
130	22	129	Mechanical Seal	2,1/2"	2,1/2"	31	Cast Iron	Alloyed Steel	Compound Poly Amide	0.55	0.75(3/4)	1450	3.9	2.8



PD 38



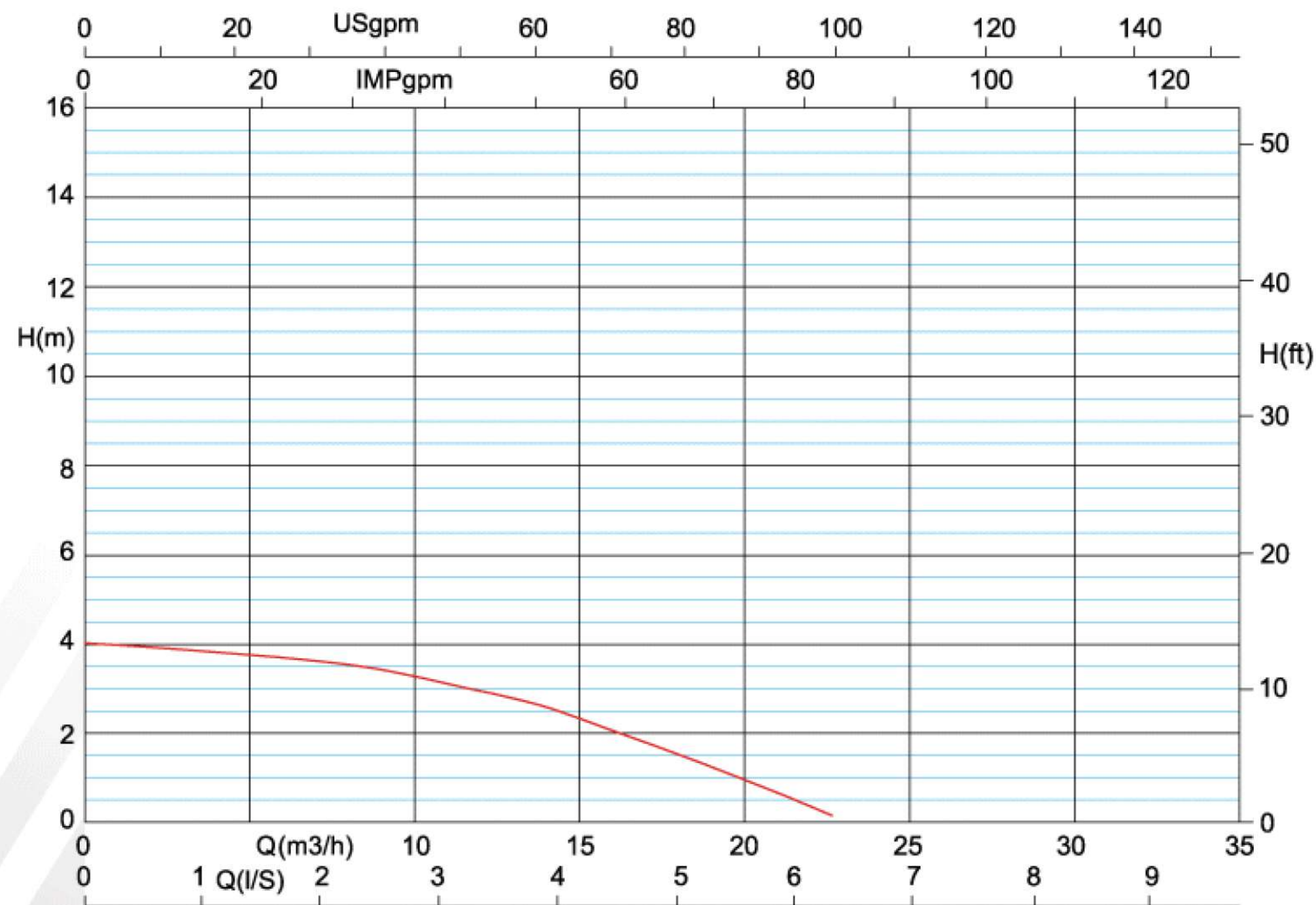
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
150	21	129	Mechanical Seal	3"	3"	31	Cast Iron	Alloyed Steel	Compound Poly Amide	0.75(3/4)	1	1450	5.8	3.8



PD 40



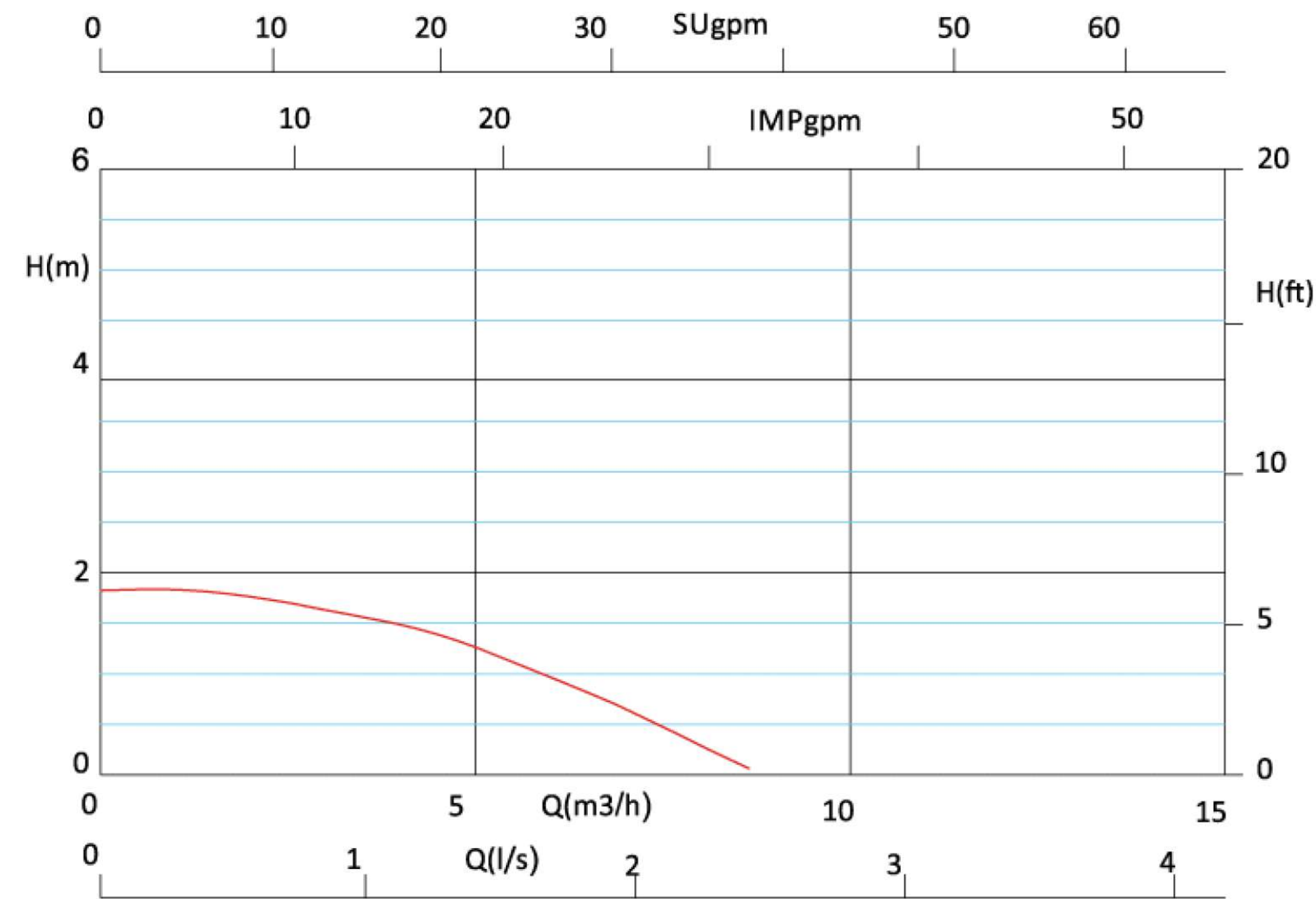
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia(cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
150	34	150	Mechanical Seal	3"	3"	38	Cast Iron	Alloyed Steel	Compound Poly Amide	1.5	2	1450	9.4	7.1



S 45 2-1/2"



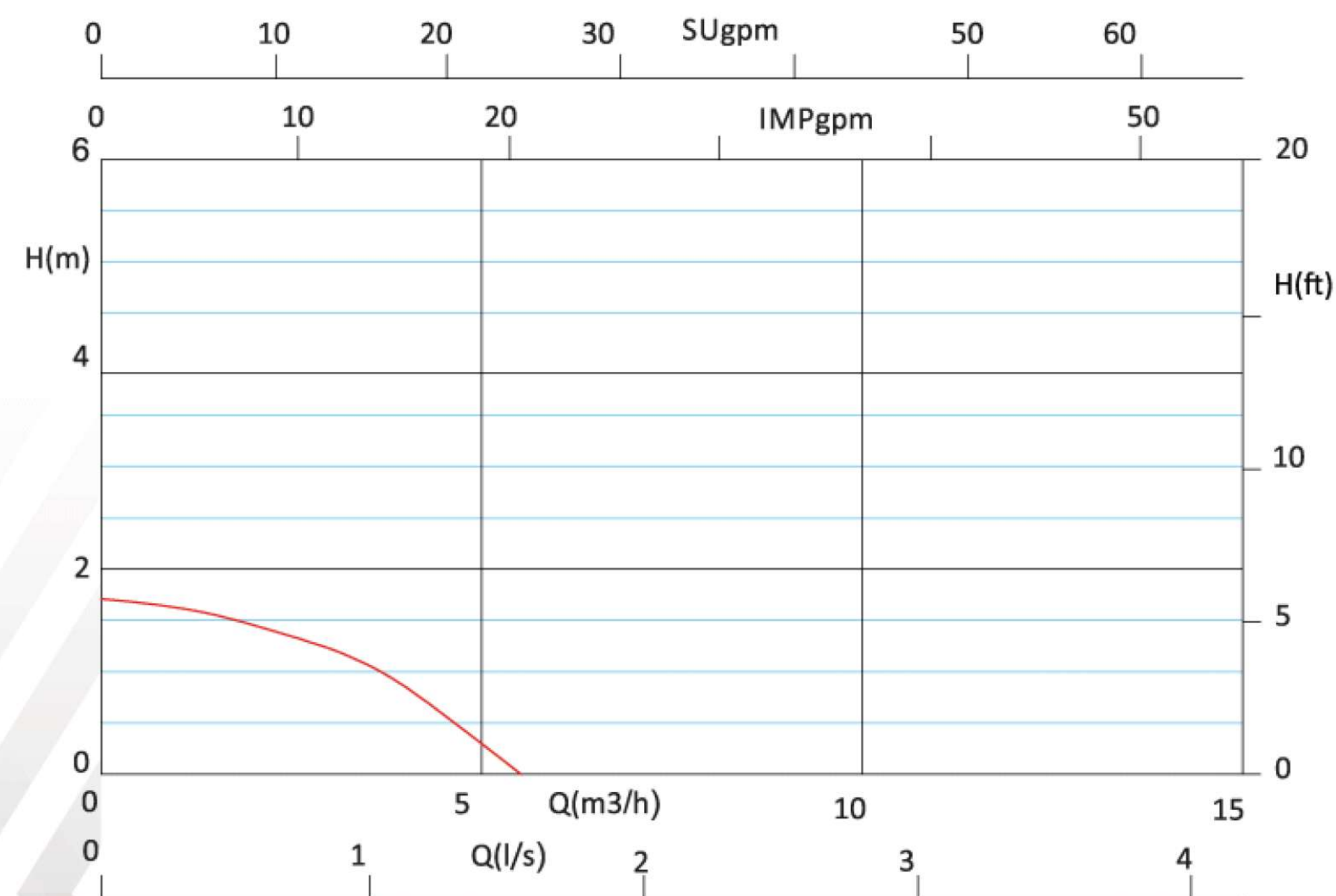
Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia(cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
100	13	100	Mechanical Seal	2,1/2"	2,1/2"	27	Cast Iron	Alloyed Steel	Compound Poly Amide	0.25(1/4)	0.33(1/3)	1450	2.2	—



1-1/4" S 100



Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
35	7	70	Mechanical Seal	1,1/4"	1,1/4"	16/5	Cast Iron	Alloyed Steel	Compound Poly Amide	0.09	0.125(1/8)	1450	0.75	—



1" S 100



Fluid Characteristic			Pump Characteristic							Motor Characteristic				
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (cm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
24	6	70	Mechanical Seal	1"	1"	16/5	Cast Iron	Alloyed Steel	Compound Poly Amide	0.09	0.125(1/8)	1450	0.75	—