



AOH SERIES



SIDE CHANNEL SELF - PRIMING PUMPS



SIDE CHANNEL SELF-PRIMING PUMP: AOH

TECHNICAL DATA

CAPACITY:	35000 LPH
TOTAL HEAD:	Up TO 250 Mtrs.
SPEED:	1450 RPM.
TEMPERATURE:	150°C Max.
SHAFT SEALING:	Soft Asbestos Greased & Graphited packing/ Mechanical Seal.
CONNECTIONS:	Female BSP threads in counter flanges.
DIRECTION OF ROTATION:	Clockwise when looking at the Pump from motor end.



APPLICATION

'AOH' series Pumpsets are generally used for high pressure applications. Namely in industrial segment, pressure boosting, Boiler Feeding, smelting units, jet formation for cleaning ore and dust control of waste, Humidification in textile units. In residential segment, fire fighting, HVAC plants and Hydropneumatic Pumping.

DESIGN

Segmental type, horizontal, side channel self-priming Pumps, can handle liquids with entrained gases, fitted with vane wheel-impellers. Both suction and delivery orifices showing radially upwards.



CONSTRUCTION

FLANGES

Counter flanges are provided with female pipe threads complete with flange packing & bolts with nut.

DIRECTION OF ROTATION

Clockwise when looking from drive end. Pump with direction of rotation anti clock-wise can be supplied on demand only.

SHAFT SEALING

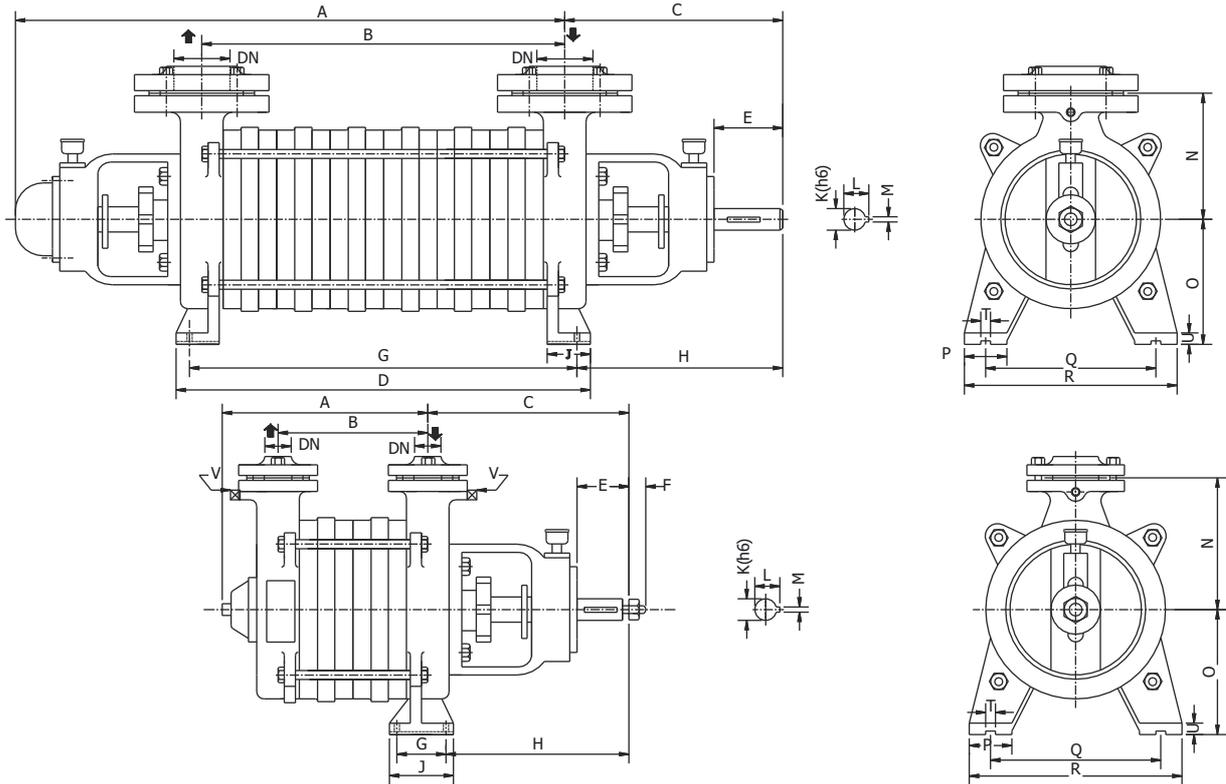
By Soft Asbestos Greased & Graphited packing / Mechanical Seal cooled by penetrating liquid temp range 0 to 100°C.

BEARING

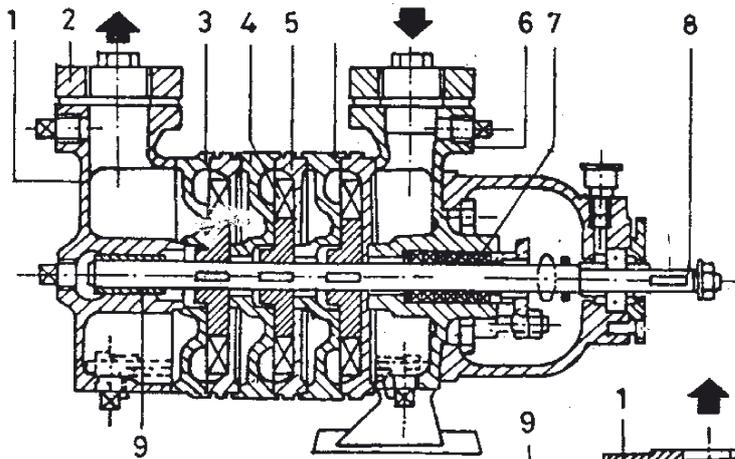
The Shaft is supported on a grease lubricated deep grooved ball bearing at drive end, & in a sleeve bearing flushed with liquid handled, on non driving end.



MODEL AOH 1200 TO 7100



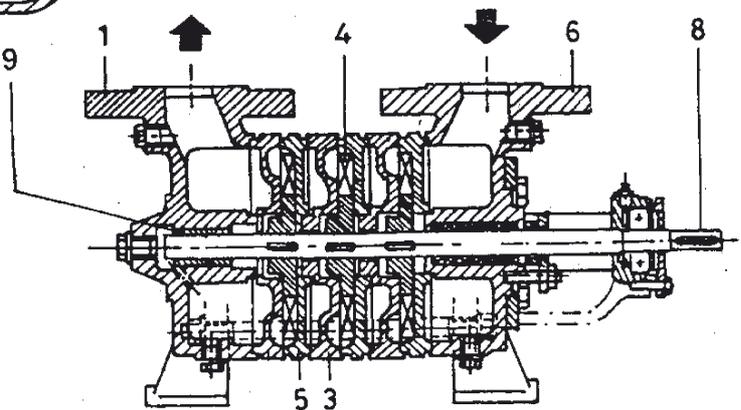
MODEL AOH 1200 TO 7100



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PARTS LIST

1. Delivery Chamber
2. Flange
3. Delivery Casing
4. Impeller
5. Suction Casing
6. Suction Chamber
7. Stuffing Box (Gland Packing)
8. Shaft
9. Bearing Bush



MODEL AOH 1200 TO 7100

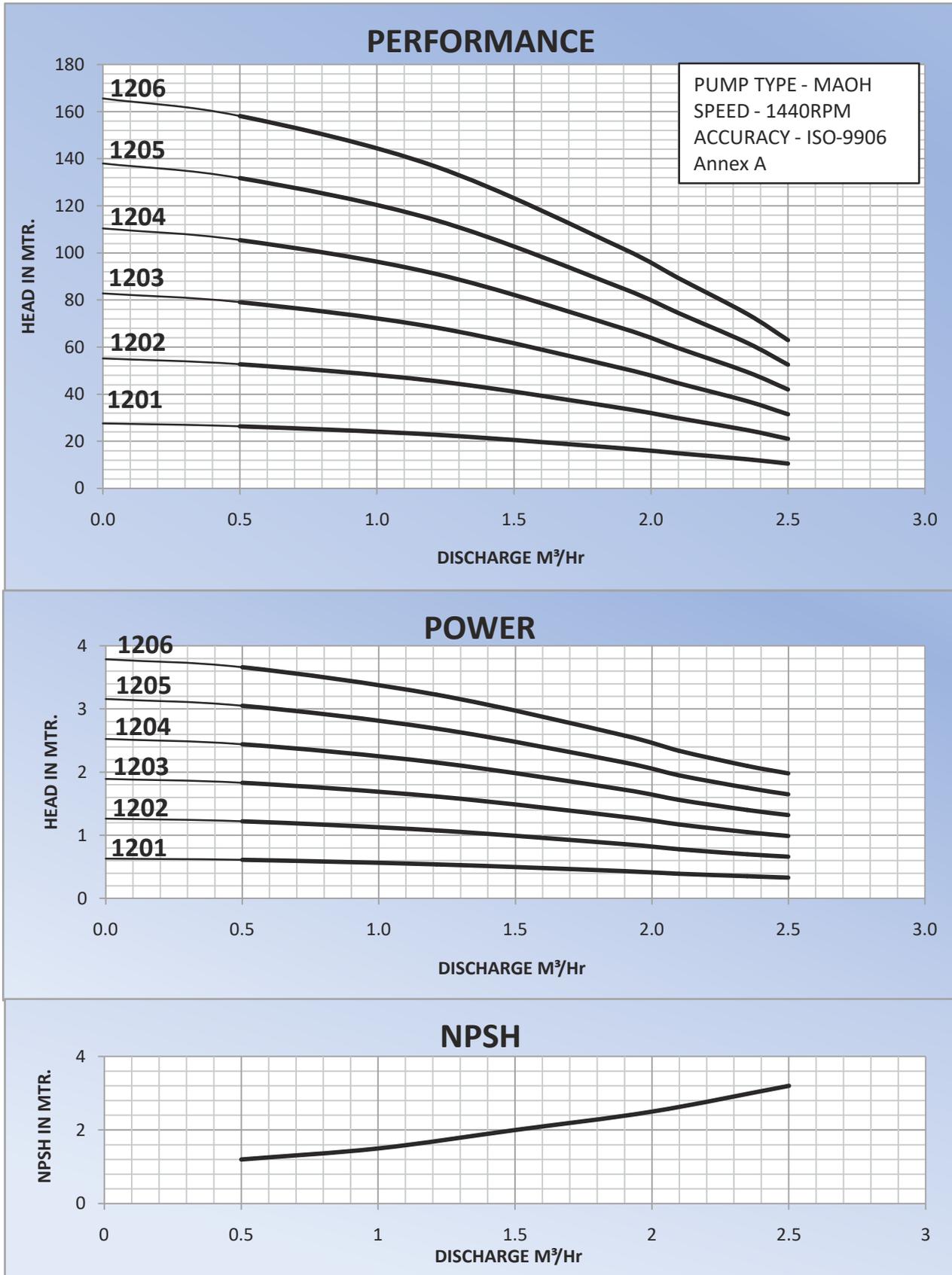


DIMENSIONS																							
RATING	DN	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	T	U			
MAOH 1201	25	118	78	140					122				4	90	90	36	120	156	13	12			
MAOH 1202			152		112		21	14		50		86									12	15	
MAOH 1203			186		146																		
MAOH 1204D			294		180		274				238												
MAOH 1205D			328		214		308	30			272										54	15	18
MAOH 1206D			362		248		342				306												
MAOH 2101	32	140	63	154					104				5	112	112	36	160	196	13	15			
MAOH 2102			180		123		27	16		70		106									16	18	
MAOH 2103			220		163																		
MAOH 2104D			325		203		325				290												
MAOH 2105D			365		243		365	36			330										70	19	22
MAOH 2106D			405		283		405				370												
MAOH 3101	32	140	63	154					104				5	112	112	36	160	196	13	15			
MAOH 3102			180		123		27	16		70		106									16	18	
MAOH 3103			220		163																		
MAOH 3104D			325		203		325				290												
MAOH 3105D			365		243		365	36			330										70	19	22
MAOH 3106D			405		283		405				370												
MAOH 3601	40	140	83	154					104				5	112	112	36	160	196	13	15			
MAOH 3602			180		123		27	16		70		106									16	18	
MAOH 3603			220		163																		
MAOH 3604D			325		203		325	36			290										70	19	22
MAOH 4101	40		155	195					192				7	132	132	47	160	218	13	20			
MAOH 4102			210			196	38	11													19	22	
MAOH 4103			265			251																	
MAOH 4104D			445		320		306				325										55		
MAOH 4105D			500		375		361				380											24	27
MAOH 4106D			555		430		416	40			435												
MAOH 5101	50		170	217					210				7	140	150	47	160	218	13	20			
MAOH 5102			245			220																	
MAOH 5103			320			251	38	11															
MAOH 5104D			590		395		306				410												
MAOH 5105D			665		470		361				485												
MAOH 5106D			740		545		416	40			560												
MAOH 7101	65	375	191	240					225				8	150	150	50	200	250	15	25			
MAOH 7102D			465		281		268				220												
MAOH 7103D			555		371		358	60			310												
MAOH 7104D			645		461		448				400												

"D" - DOUBLE HOUSING



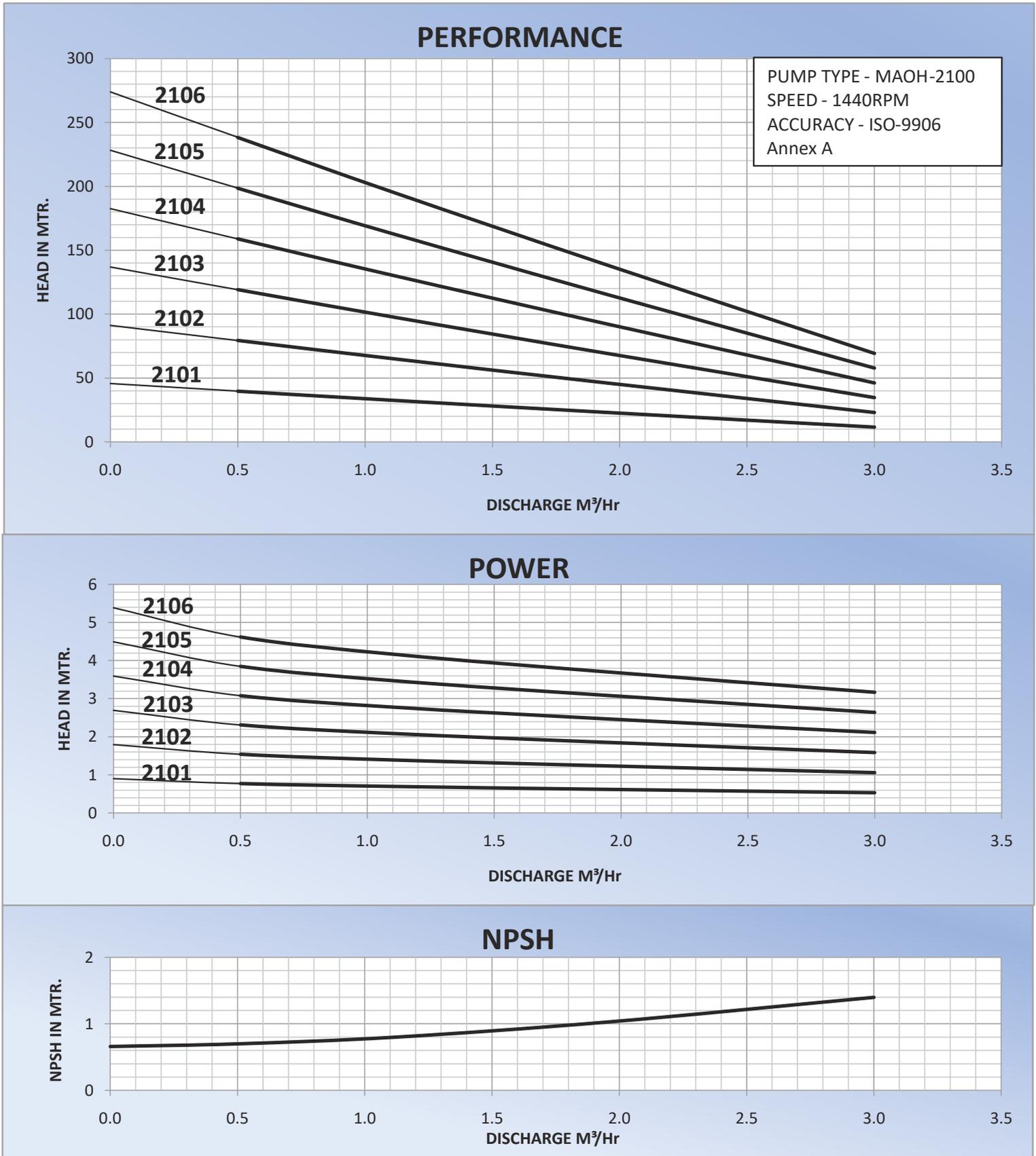
PERFORMANCE CURVES OF PUMP TYPE AOH - 1200



Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.



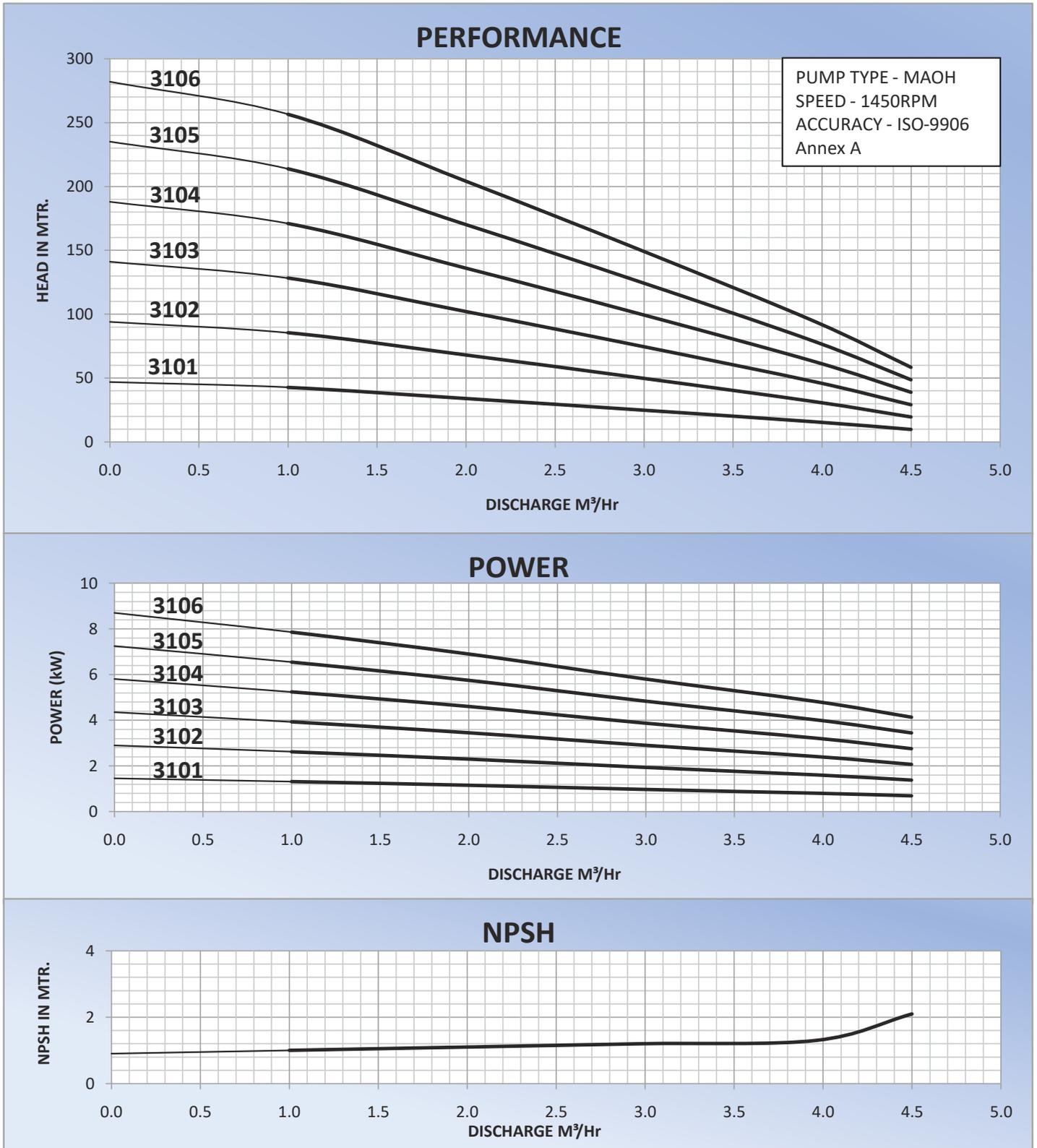
PERFORMANCE CURVES OF PUMP TYPE AOH - 2100



Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.



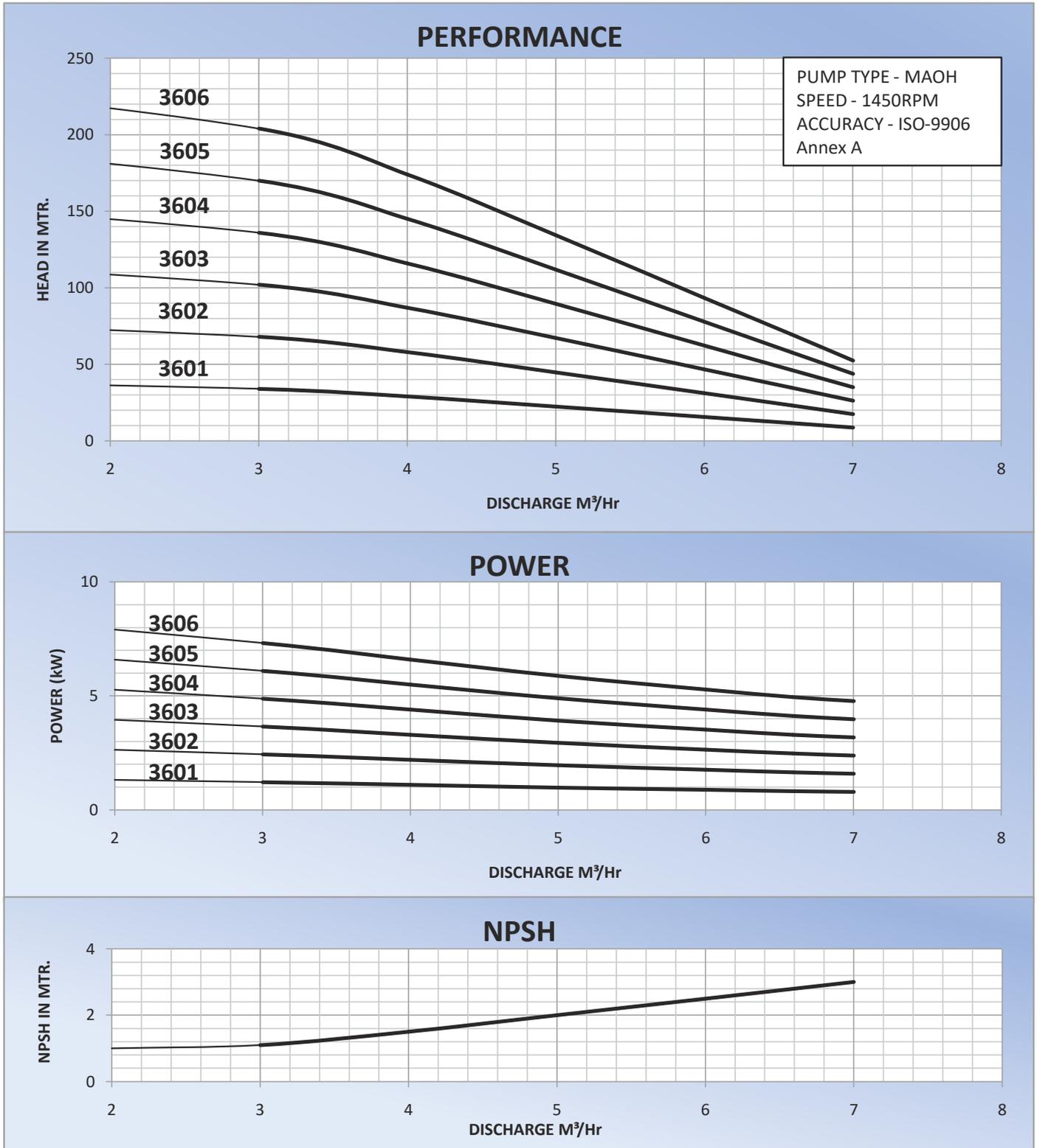
PERFORMANCE CURVES OF PUMP TYPE AOH - 3100



Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.



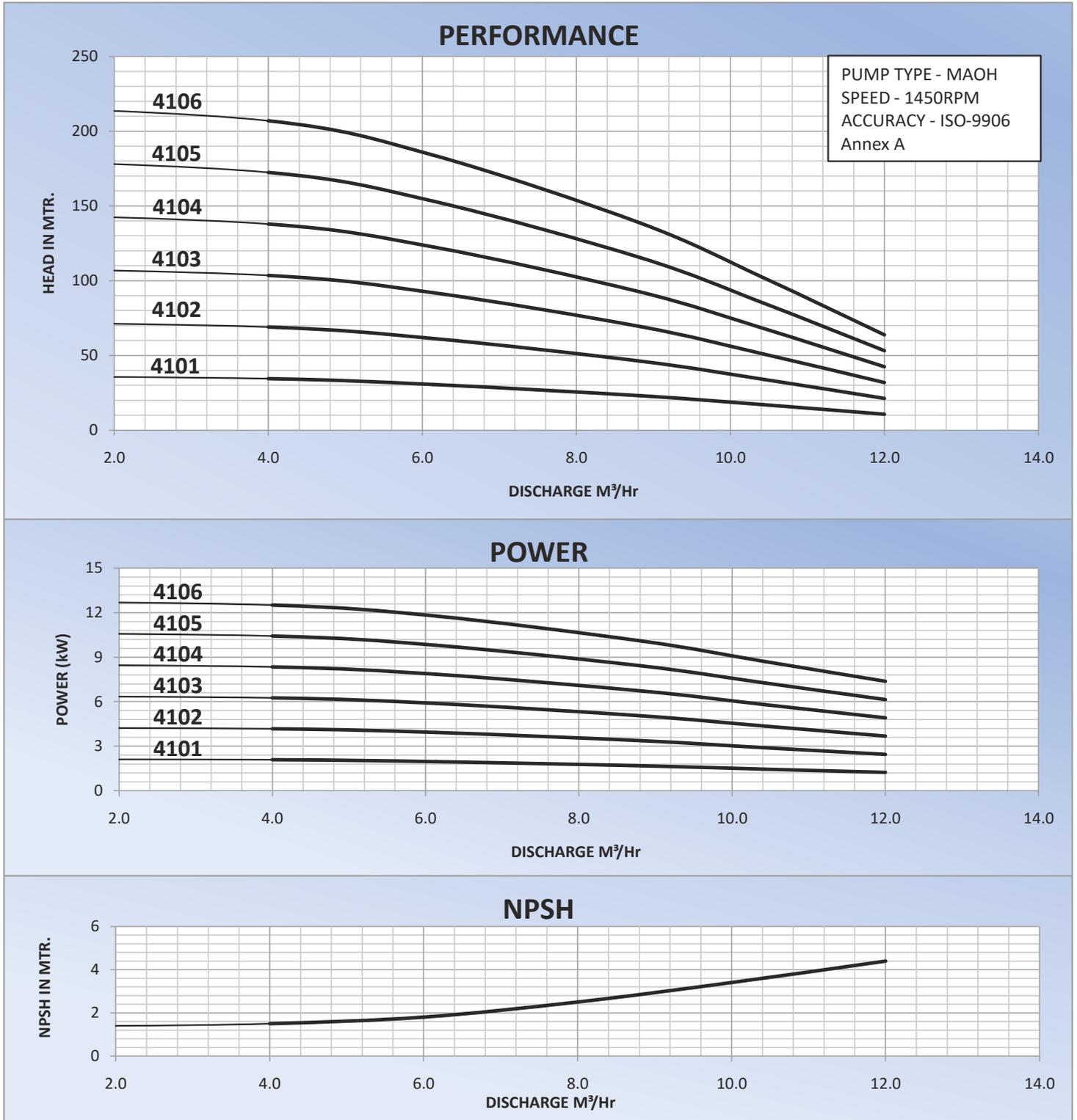
PERFORMANCE CURVES OF PUMP TYPE AOH - 3600



Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.



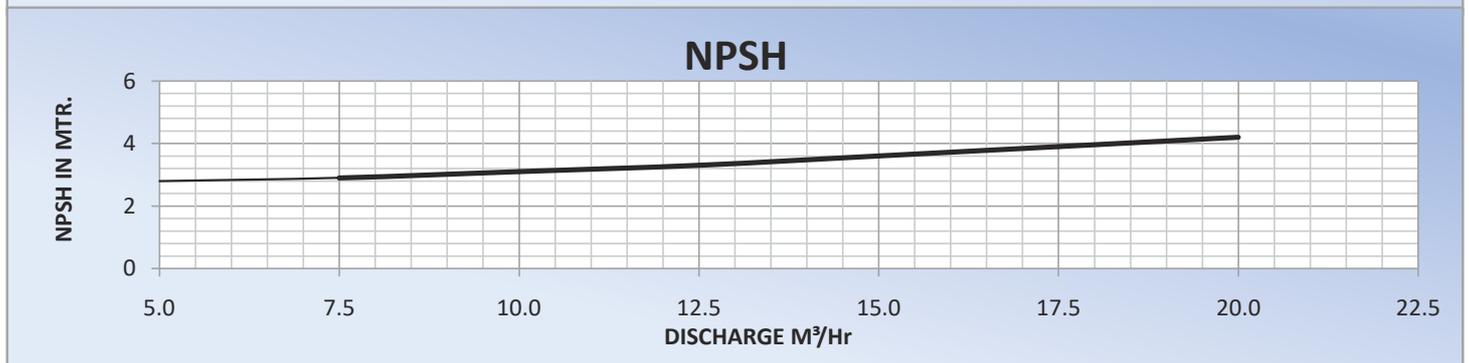
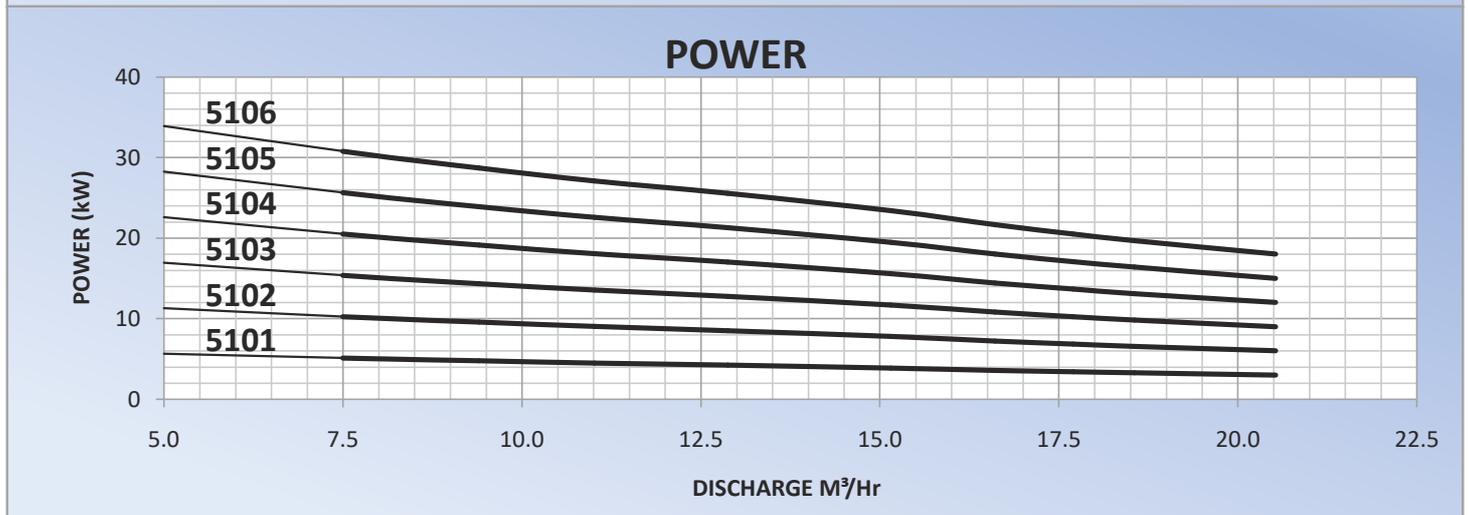
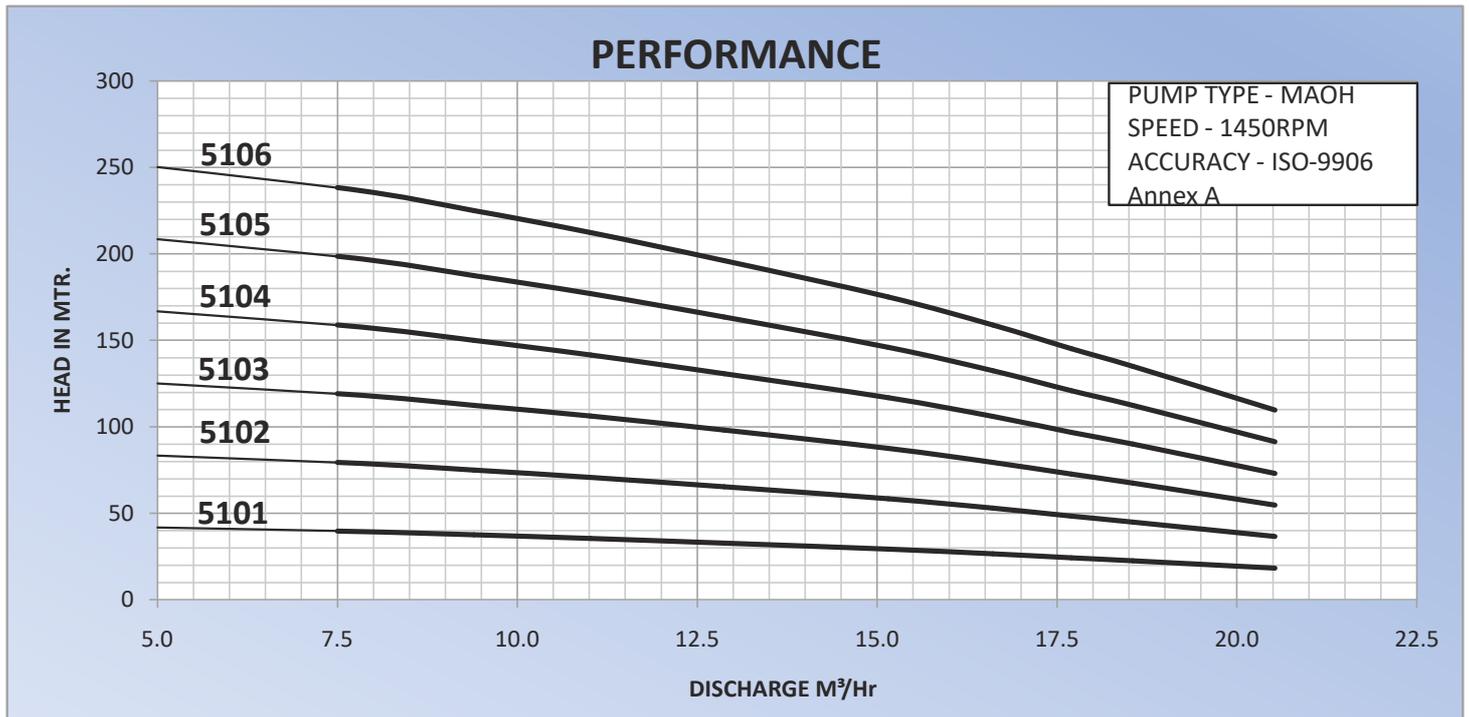
PERFORMANCE CURVES OF PUMP TYPE AOH - 4100



Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.



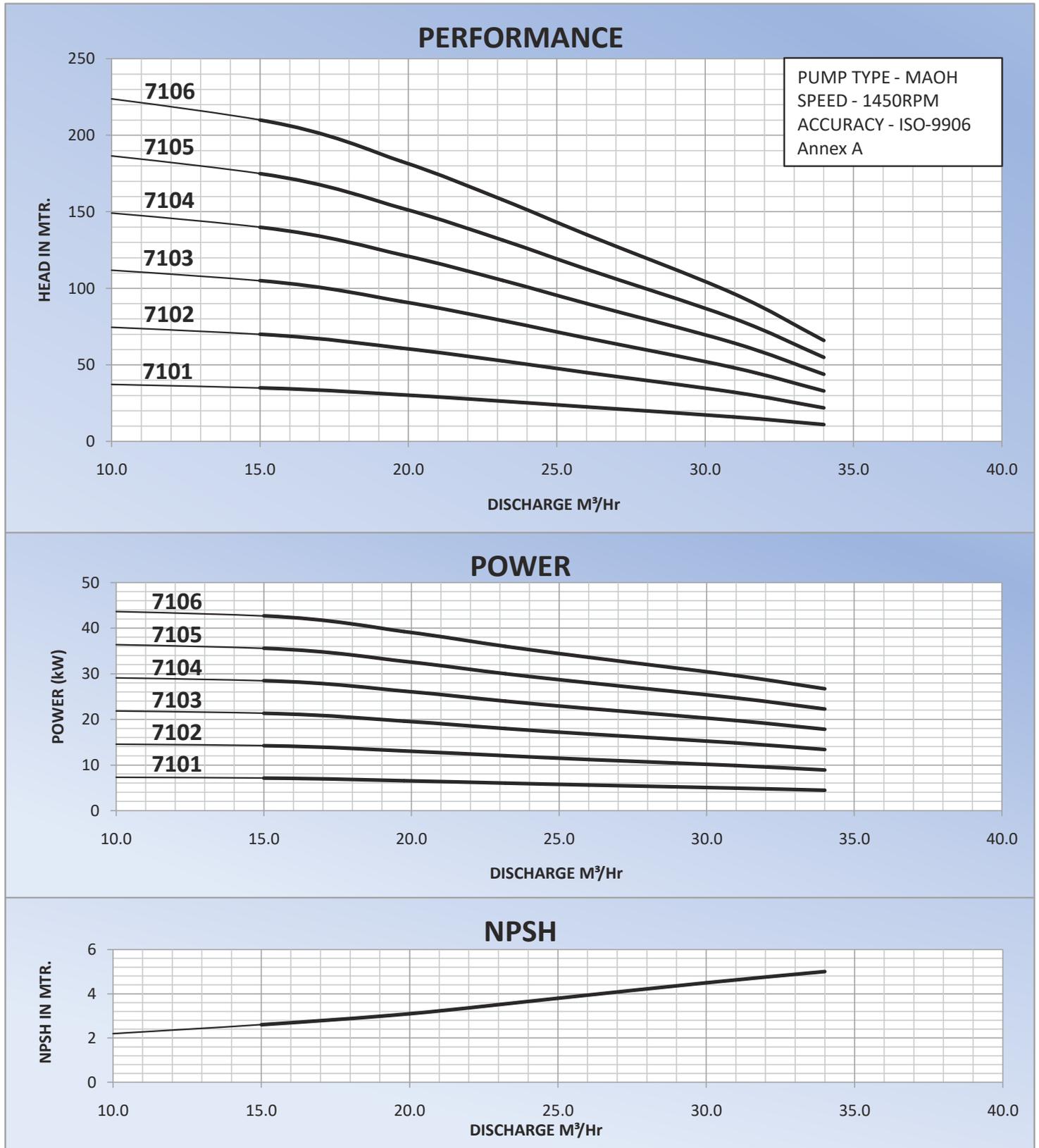
PERFORMANCE CURVES OF PUMP TYPE AOH - 5100



Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.



PERFORMANCE CURVES OF PUMP TYPE AOH - 7100



Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.



APPLICATIONS



Dissolved Air Flotation



Hot Water Circulation



Shipping Industry



Textile Boiler Industry