

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. |

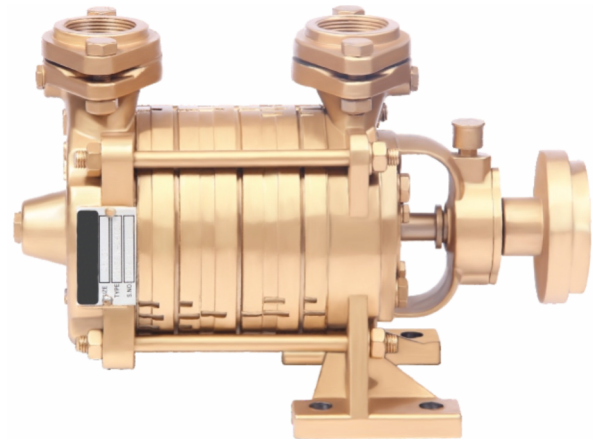


APPLICATION

'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.

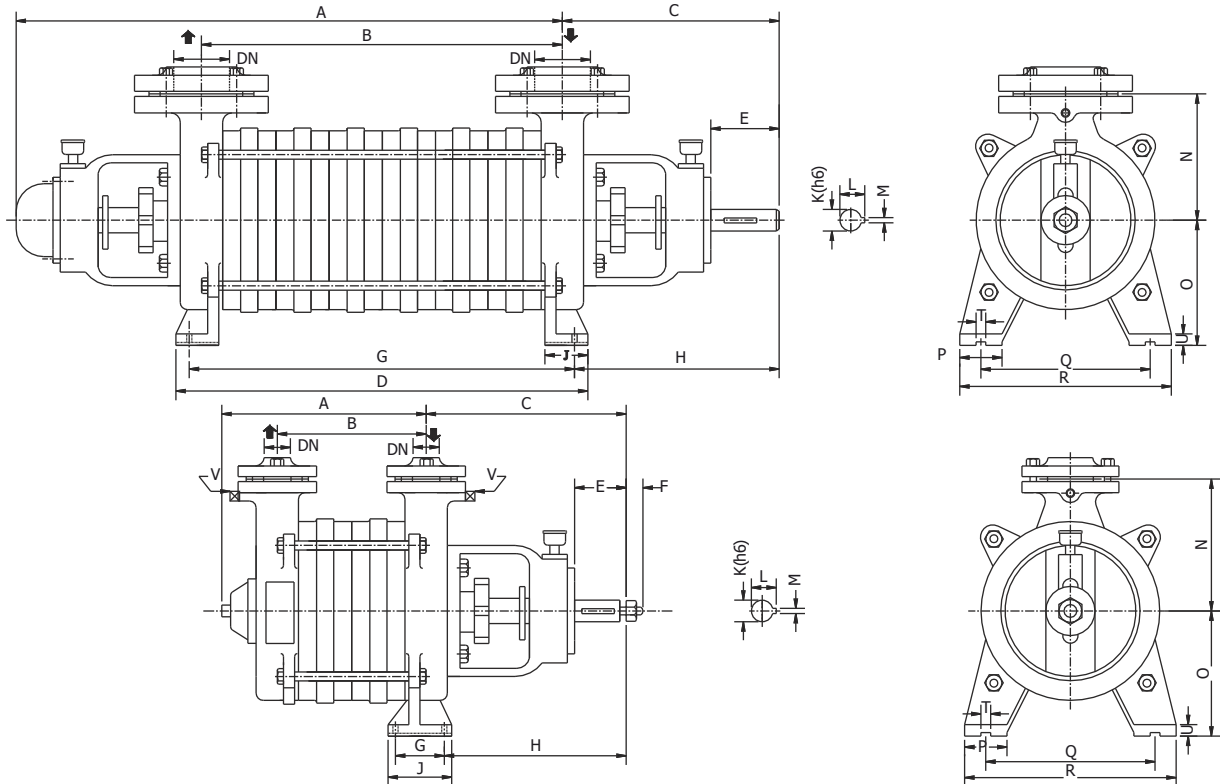
SHAFT SEALING

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

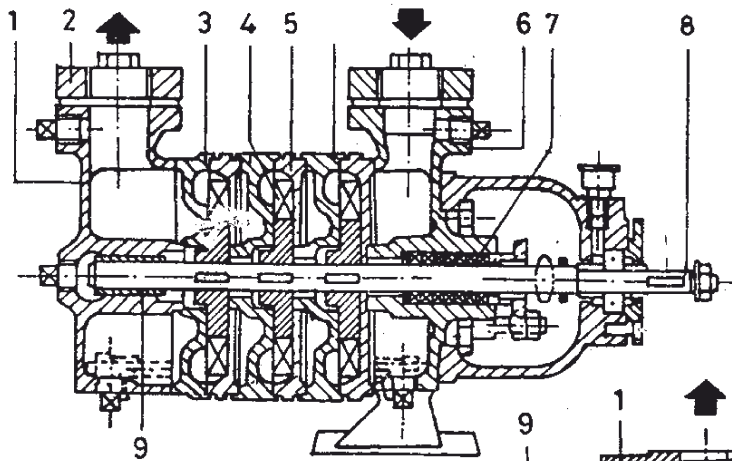
BEARING

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



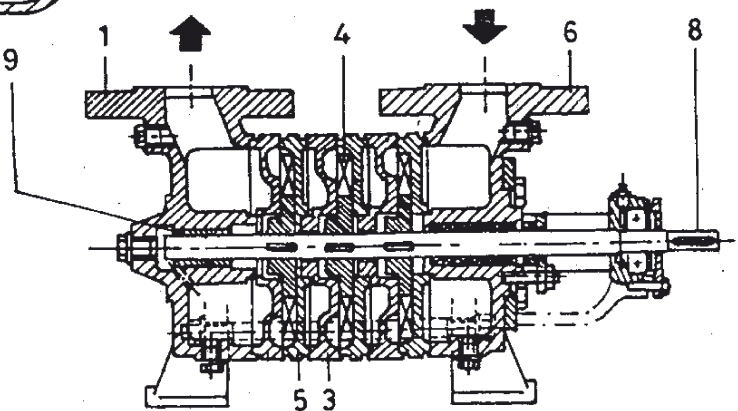
MODEL AOH 1200 TO 7100



MODEL AOH 1200 TO 7100

PARTS LIST

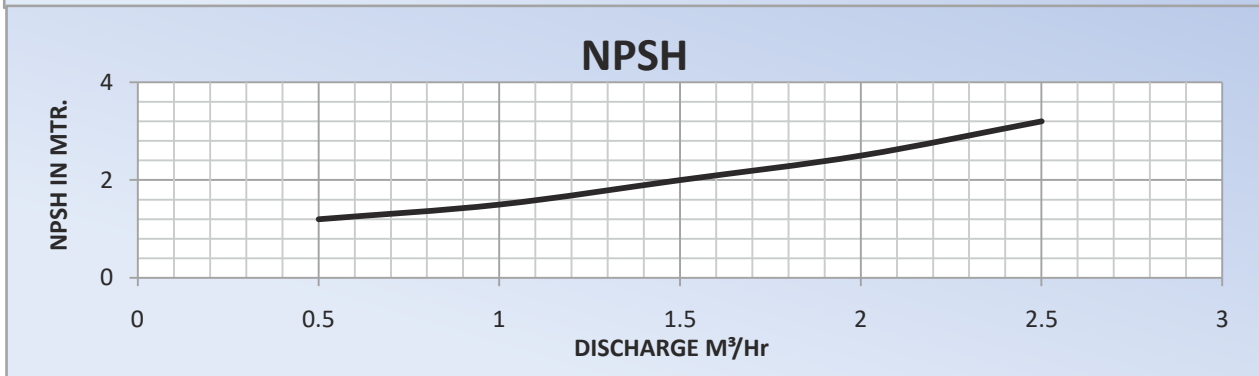
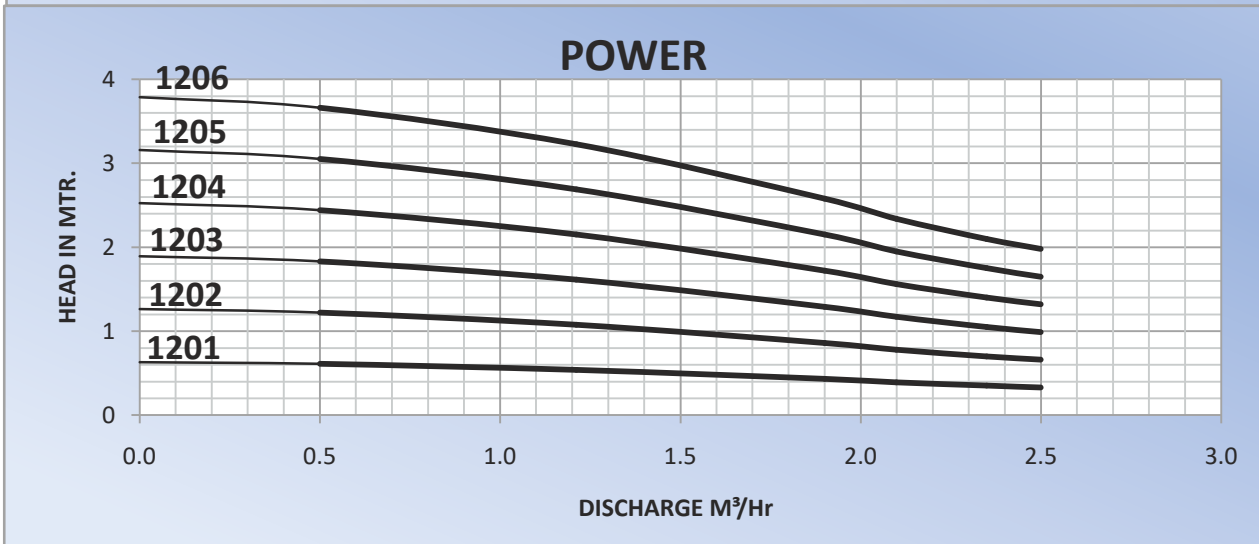
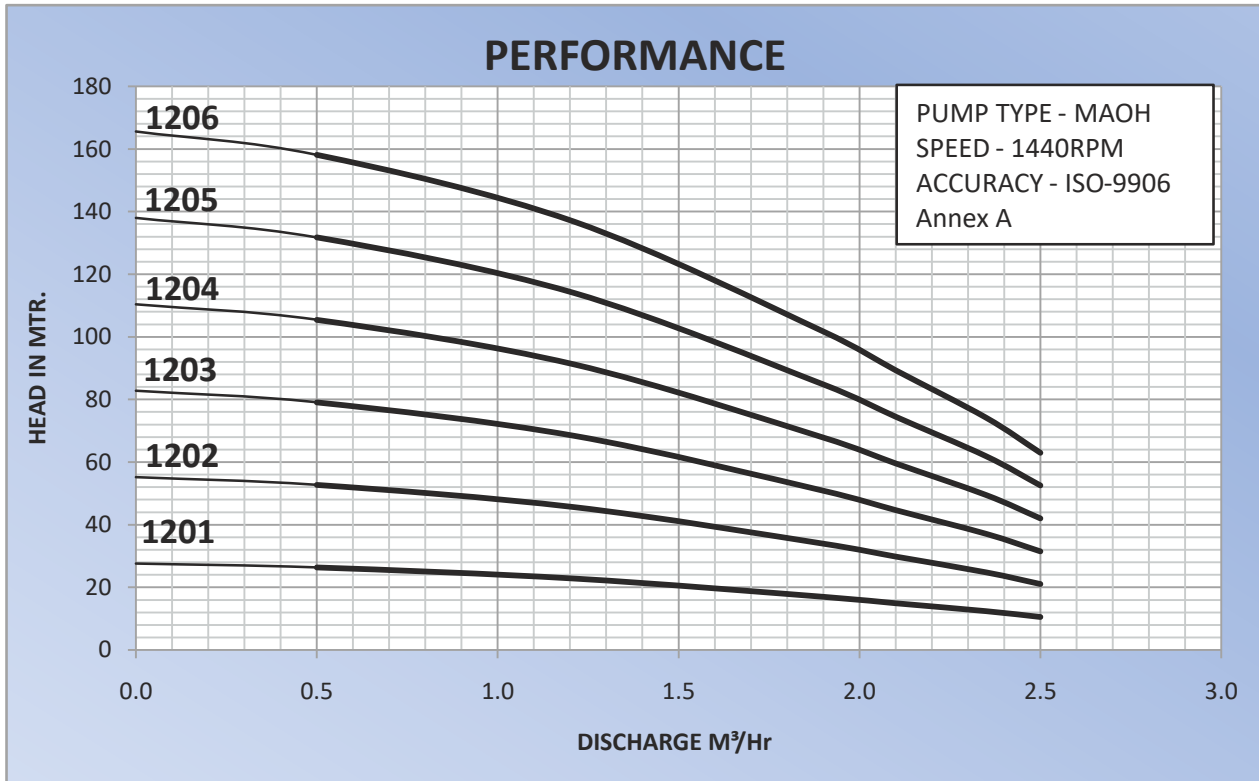
- 1. Delivery Chamber
- 2. Flange
- 3. Delivery Casing
- 4. Impeller
- 5. Suction Casing
- 6. Suction Chamber
- 7. Stuffing Box (Gland Packing)
- 8. Shaft
- 9. Bearing Bush



MODEL AOH 1200 TO 7100

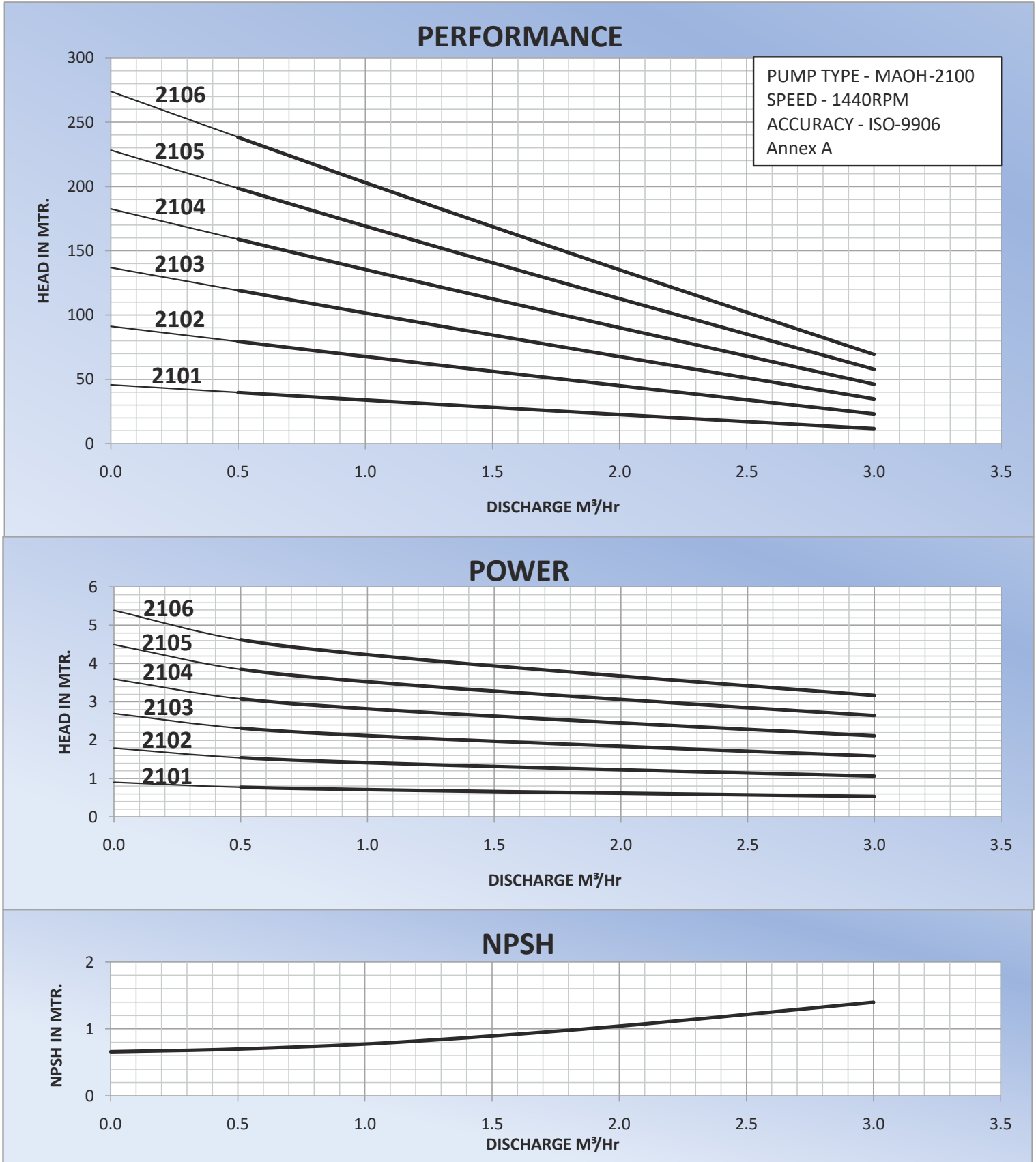
| DIMENSIONS | | | | | | | | | | | | | | | | | | | | | | | |
|------------|----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|---|-----|-----|----|-----|-----|----|----|----|----|----|
| RATING | DN | A | B | C | D | E | F | G | H | J | K | L | M | N | O | P | Q | R | T | U | | | |
| 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 | | | | | | | | | | 55 | 24 | 27 |
| 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 | | | | | | | | | | | | |

PERFORMANCE CURVES OF PUMP TYPE AOH - 1200



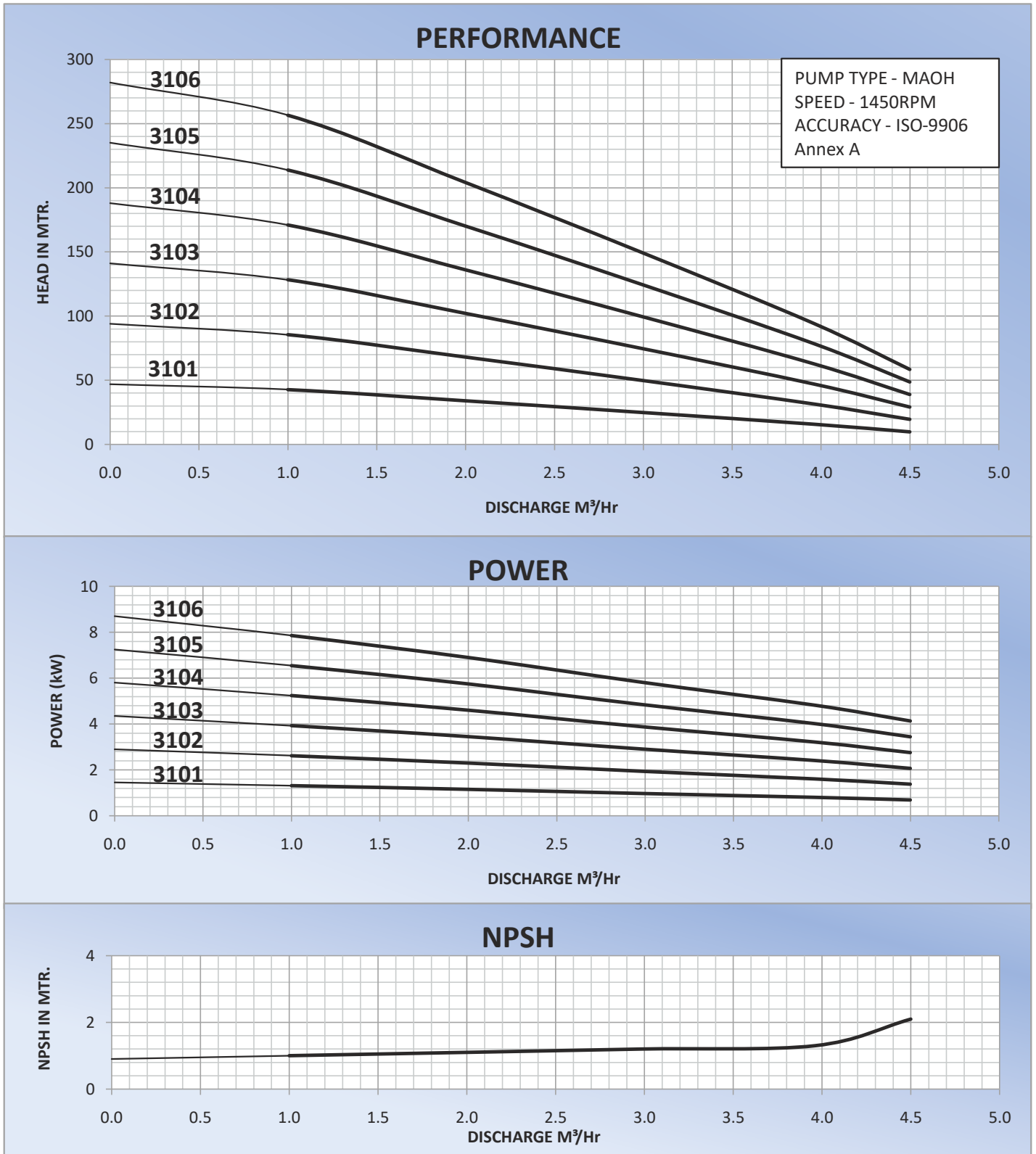
Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.

PERFORMANCE CURVES OF PUMP TYPE AOH - 2100



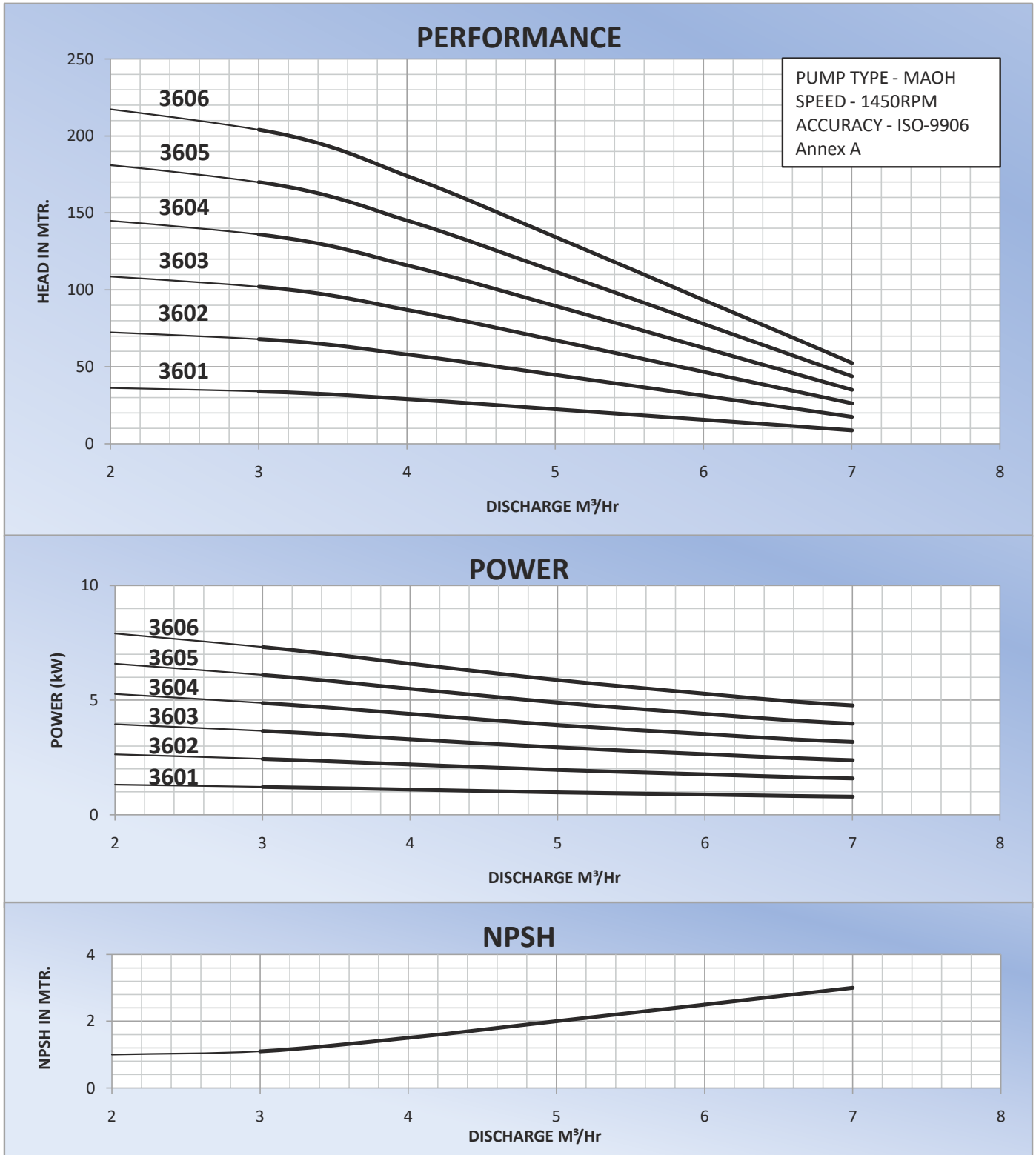
Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.

PERFORMANCE CURVES OF PUMP TYPE AOH - 3100



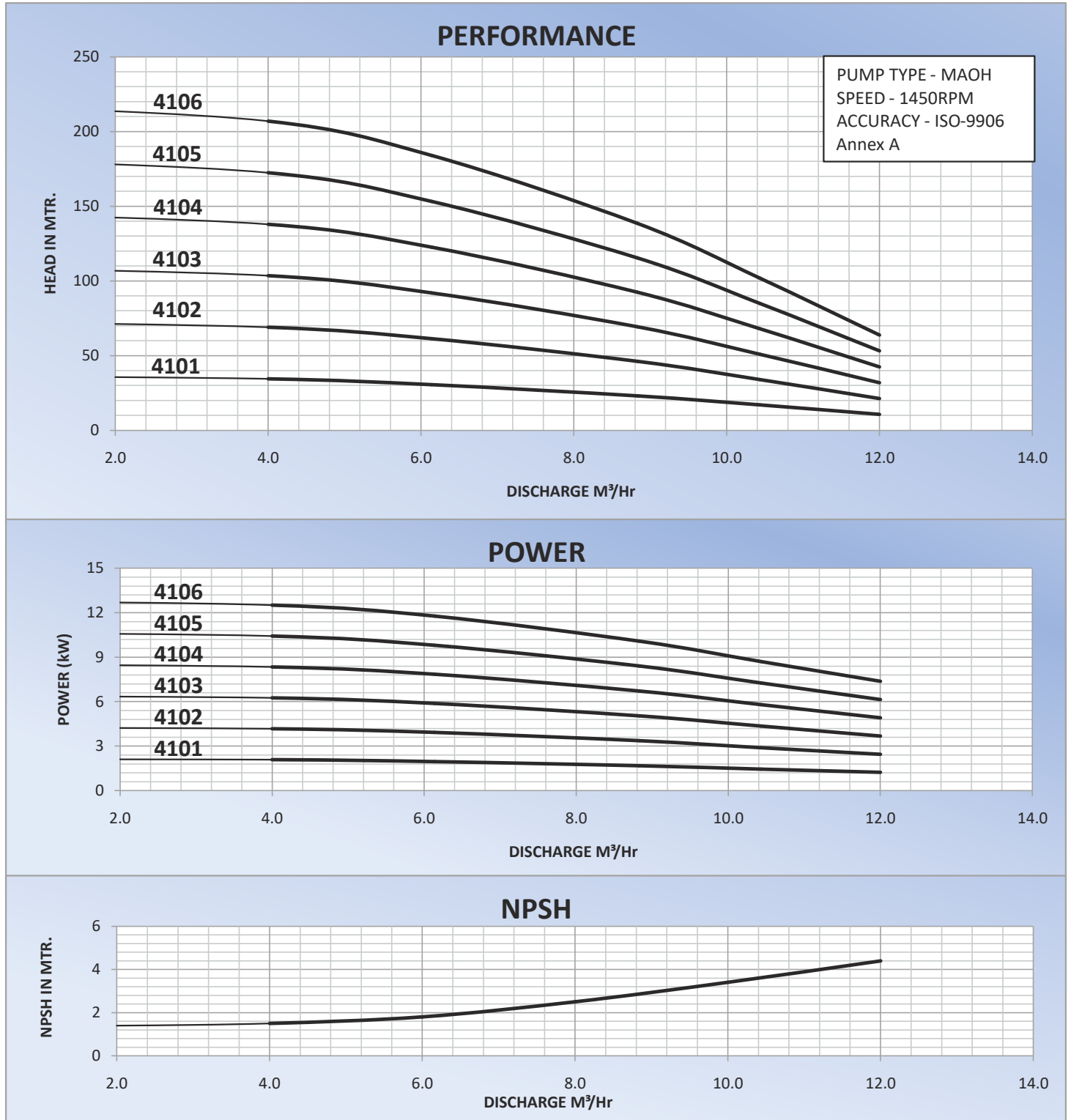
Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.

PERFORMANCE CURVES OF PUMP TYPE AOH - 3600



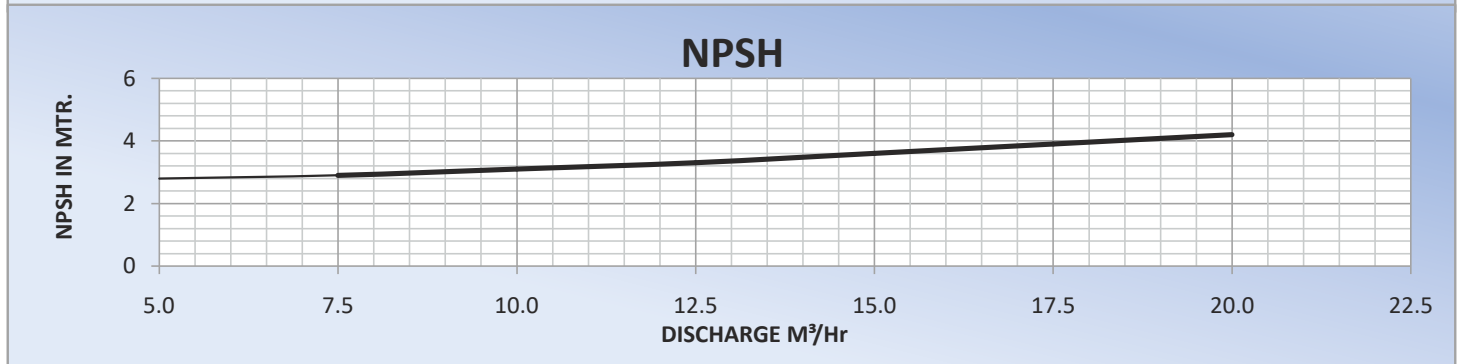
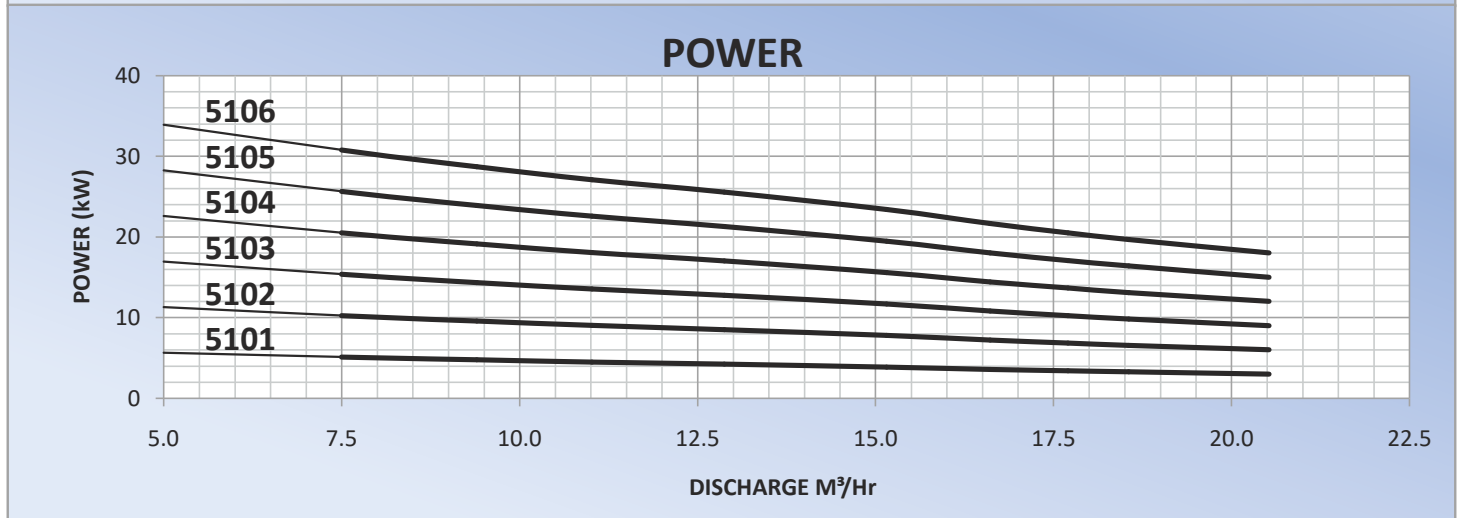
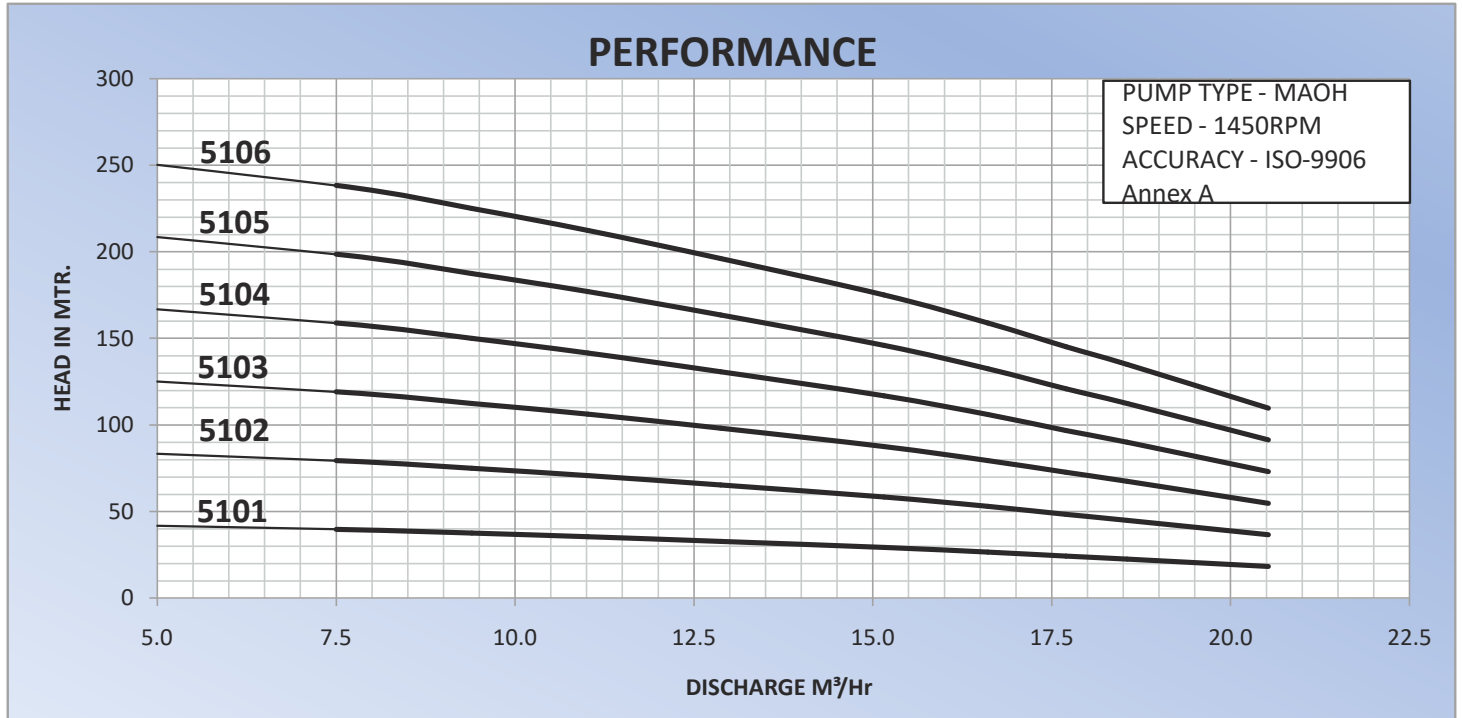
Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.

PERFORMANCE CURVES OF PUMP TYPE AOH - 4100



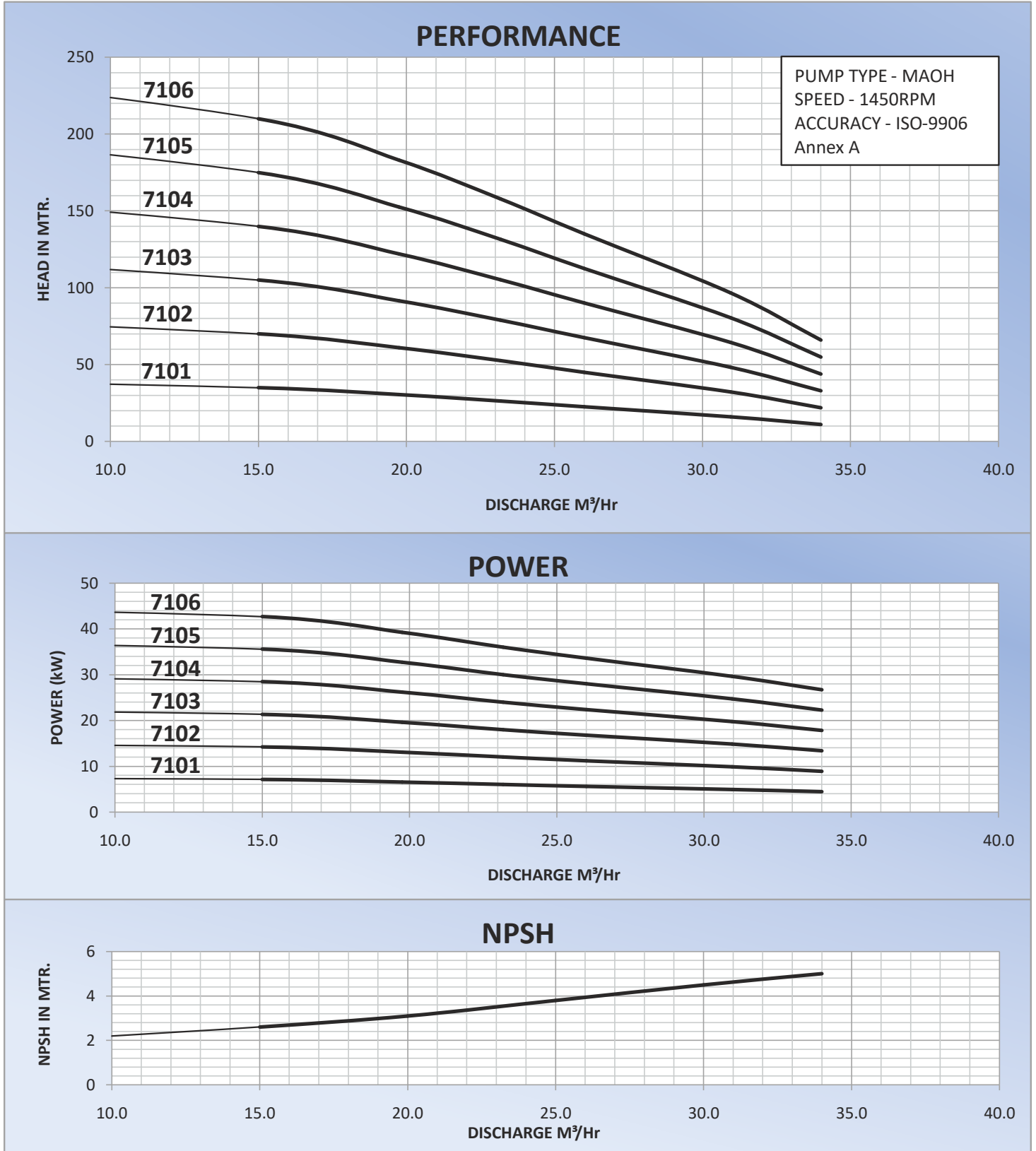
Values are valid for water at 1Kg/dm³ and viscosity of 1 cSt.

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