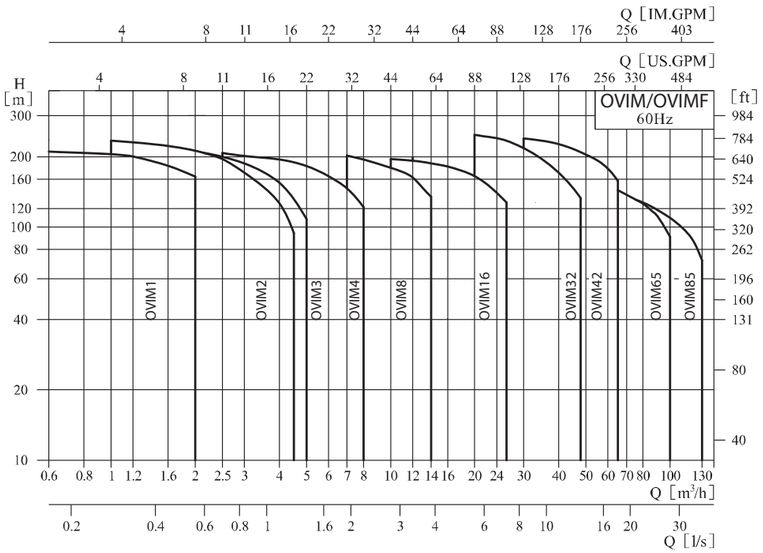
TRU2O®

# A New Vision for Quality Pumps

# OVIM 60Hz
# OVIMF 60Hz

*Light Vertical Multistage Centrifugal Pumps*

## PERFORMANCE SCOPE




## PRODUCT RANGE

| DESCRIPTION | OVIM1 | OVIM2 | OVIM3 | OVIM4 | OVIM8 | OVIM16 | OVIM32 | OVIM42 | OVIM65 | OVIM85 |
|---|---|---|---|---|---|---|---|---|---|---|
| Rated flow [m³/h] | 1 | 2 | 3 | 4 | 8 | 16 | 32 | 42 | 65 | 85 |
| Rated flow [gpm] | 4.4 | 8.9 | 13.1 | 17.4 | 34.9 | 69.7 | 141.1 | 185.4 | 285.3 | 380.4 |
| Flow range [m³/h] | 0.6-2 | 1-4.5 | 1.5-5 | 2.5-8 | 7-14 | 10-26 | 20-48 | 30-65 | 40-100 | 60-130 |
| Flow range [gpm] | 2.7-8.9 | 4.4-19.8 | 6.7-22.2 | 11.1-34.9 | 30.1-61.8 | 44.4-114.1 | 87.2-210.8 | 131.6-285.3 | 176-439.1 | 264.7-572.2 |
| Max. pressure [ft] | 736 | 786 | 769 | 703 | 669 | 669 | 836 | 870 | 602 | 502 |
| Motor power [hp] | 0.5-3 | 0.75-5 | 0.5-5 | 1-7.5 | 1-15 | 3-25 | 3-40 | 7.5-60 | 10-60 | 15-60 |
| Temperature range [ºF] | 5º F ~ 248º F | | | | | | | | | |
| Max. efficiency [%] | 44 | 46 | 54 | 59 | 64 | 66 | 76 | 78 | 80 | 81 |
| Type | | | | | | | | | | |
| OVIM | • | • | • | • | • | • | • | • | • | • |
| OVIMF | • | • | • | • | • | • | • | • | • | • |
| OVIM Pipe connection | | | | | | | | | | |
| ANSI Flange | 1" | 1" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 4" |
| OVIMF Pipe connection | | | | | | | | | | |
| ANSI Flange | 1" | 1" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 4" |



**OVIM/OVIMF** 60Hz
*General Data*

## Pump

The TRU20® OVIM/OVIMF is a non-self-priming vertical stamped stainless steel multistage centrifugal pump. These pumps are driven by a standard NEMA, TEFC, Premium Efficiency, 60hz motor. The motor output shaft connects directly with the pump through a coupling. The pressure-resistant cylinder and flow passage components are fixed between the pump head and the inlet/outlet section by tie-bar bolts. The inlet and outlet of the pumps are located inline at the bottom of the unit. This configuration allows the pump and piping to be as compact as possible. These pumps can easily be fitted with a dry-run protection device. All of the OVIM/OVIMF pumps are fitted with a maintenance free cartridge seal.

## Operating Conditions

- Thin, clean, non-flammable and non-explosive liquid containing no solid granules or fibers.
- Standard water temperature range: 5º F – 158º F
- Hot Water Models temperature range: 158º F – 248º F
- Ambient temperatures up to 104º F
- Altitude up to 3280 ft, please consult factory for higher elevations.

## Applications

OVIM/OVIMF pumps can be used in a wide variety of applications. They can be used to pump liquids from tap water to industrial liquids. There are a wide range of pressures and flows which can be accommodated.

The OVIM pumps are Stainless Steel with Cast Iron Flow passages and can be used to convey non-corrosive liquids. The OVIMF pumps are all stainless steel and can be used to convey slightly corrosive liquids. If there is a question as to which model is appropriate, please consult the factory. Here are some typical applications where OVIM/OVIMF pumps may be used:

- Water Supply: Conveyance in Waterworks facilities, Water Boosting systems, Commercial boosters, Filtration systems.
- Industrial Boosting: Process Water Flow systems, cleaning systems, high-pressure wash systems.
- Industrial Liquid Conveying: Cooling and Air Conditioning Systems, Boiler Water Supply and Condensing Systems, Machine Cooling Systems.
- Water Treatment: Ultrafiltration Systems, Reverse Osmosis Systems, Distillation Systems, Separators, Swimming Pool Systems.

## Applications (cont.)

- Irrigation: Farmland Irrigation, Spray Irrigation, Drip Irrigation.
- Mining: Mine Dewatering, Waste Pond Systems.
- Oil and Gas: Conveyance of Fracking Fluids, Well Fluid Conveyance.

## Motors

- NEMA C-Faced Frame
- Totally Enclosed Fan Cooled
- Two Pole Standard Motors
- Protection Class: IP55
- Insulation Class: F
- Standard Voltage: 3x200-230/346-400V
- Premium Efficiency Standard
- Other Motor Features Available Upon Request

## Model Definitions

OVIM F 42 - 1 - 1 - E E E E E

**Base model designation**

**Metallurgy**
Blank = Cast iron
F = 304SS
G = 316SS

**Nominal flow rate m³/hr**

**Number of impellers**

**Number of reduced diameter impellers**

**Rubber parts**
E = EPDM standard
H = Hi temp special

**Shaft seal**
E = Standard seal
X = Special seal

**Flange**
E = ANSI standard flange
X = DIN or other special flange

**Motor frequency**
E = 60 Hz standard
X = 50 Hz special

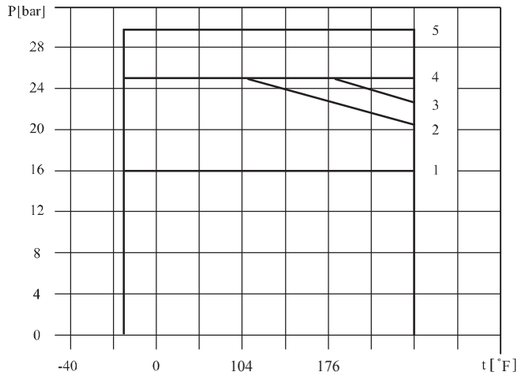
**Motor**
E = Standard NEMA, c-face, TEFC
X = Special motor

MAX WORKING PRESSURE

| MODEL | CURVE NUMBER |
|---|---|
| **60HZ** | |
| **OVIM1, OVIMF1** | |
| 1-2 ~ 1-17<br>1-19 ~ 1-25 | 1<br>2 |
| **OVIM2, OVIMF2** | |
| 2-2 ~ 2-11<br>2-13 ~ 2-18 | 1<br>2 |
| **OVIM3, OVIMF3** | |
| 3-2 ~ 3-15<br>3-17 ~ 3-25 | 1<br>2 |
| **OVIM4, OVIMF4** | |
| 4-2 ~ 4-10<br>4-12 ~ 4-16 | 1<br>2 |
| **OVIM8, OVIMF8** | |
| 8-2/1 ~ 8-8<br>8-10 ~ 8-14 | 1<br>3 |
| **OVIM16, OVIMF16** | |
| 16-2 ~ 16-6<br>16-7 ~ 16-10 | 1<br>3 |
| **OVIM32, OVIMF32** | |
| 32-10-1 ~ 32-50-2<br>32-50 ~ 32-90-2<br>32-90 ~ 32-100-2 | 1<br>4<br>5 |
| **OVIM42, OVIMF42** | |
| 42-10-1 ~ 42-30<br>42-40-2 ~ 42-60<br>42-70-2 ~ 42-70 | 1<br>4<br>5 |
| **OVIM65, OVIMF65** | |
| 65-10-1 ~ 65-30<br>65-40-2 ~ 65-50-2 | 1<br>4 |
| **OVIM85, OVIMF85** | |
| 85-10-1 ~ 85-30<br>85-40-2 | 1<br>4 |

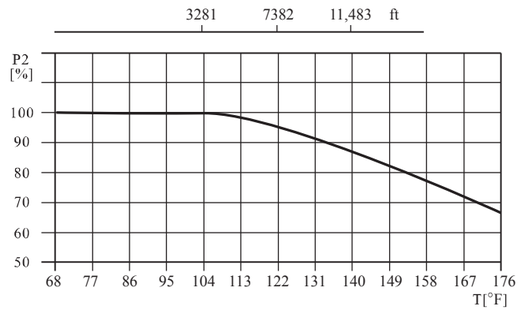
## Pressure & Temperature Limitations

The following figure shows the limitation of pressure and temperature, which shall be kept within the region as shown in the figure.




## Maximum Ambient Temperature

When the pump operates under ambient temperature higher than 104ºF or at altitude higher than 328 ft, because of low air density and poor cooling effects, the motor output power P2 will be decreased to a certain extent. If the pump is operated under the above conditions, it should be equipped with a higher power motor.

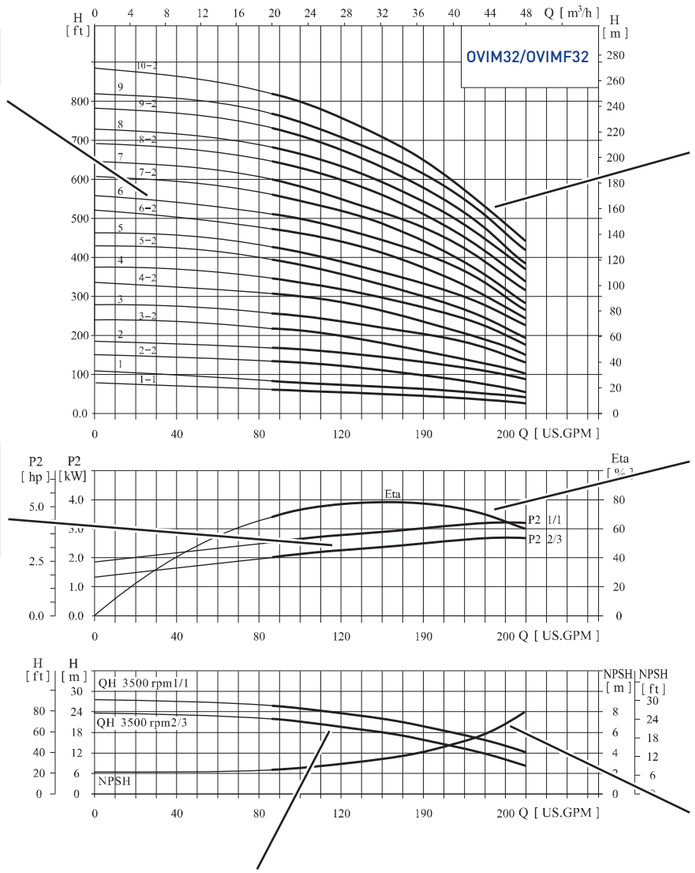







## Curve Illustration

First number: Stage
Second Number:
Number of small impeller




Pump Q-H curve, the thickened line presents recommended performance region.

The power curve presents the input power of each stage, which is divided into integrate impeller type (1/1) and the type with small impeller (2/3)

Eta curve presents pump efficiency. For pumps equipped withsmall impeller, the efficiency will be 2% lower than that shown by the curve.

NPSH curve expresses the average value of all curves of this series.
A safety margin of 20 in. shall be taken into consideration when making selection.

The Q-H curve of each stage, presenting integrate impeller type (1/1) and the type equipped with small impeller (2/3).

## Performance Curve

The following conditions are suitable for the performance curves shown below:

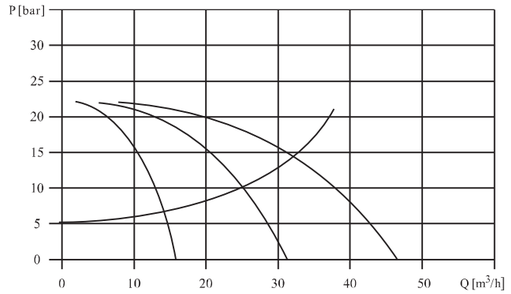
1) All curves are based on the measured values of constant motot speed 3500 rpm.
2) Curve tolerance in conformity with ISO9906 Annex A.
3) Measurment is done with 68ºF air-free water, kinematic viscosity of 1mm$^2$/sec.
4) The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate.

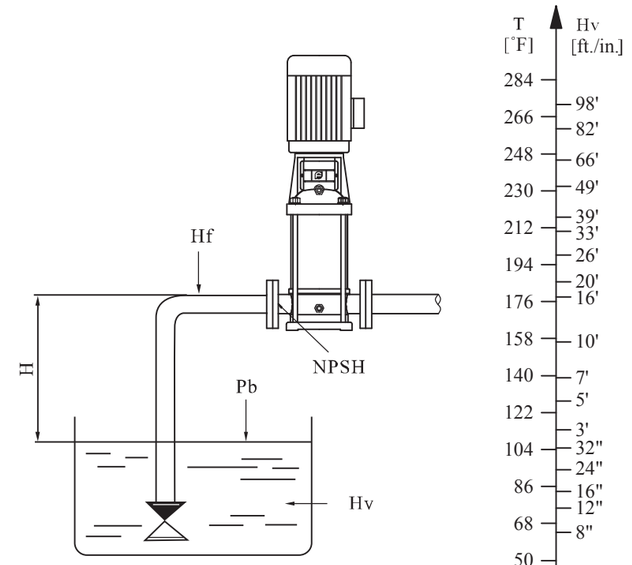
## Minimum Inlet Pressure

When the pressure in the pump is lower than the steam pressure used to convey the liquid, cavitation will occur. To avoid cavitation, a minimum pressure at the inlet side of the pump should be maintained. The maximum suction length can be calculated as follows:
H-Pb x 10.2 – NPSH – Hf – Hv – Hs
Pb=atmosphere pressure [bar]
(can be set a s 1bar)
In a closed system, Pb means system pressure [bar]
NPSH=Net positive suction head [m]
(It can be read out from the point of possible max. flow rate shown on NPSH curve)
Hf=Pipeline loss at the inlet [m]
Hv=Steam pressure [m]
If the calculated result H is positive, the pump may run under the max. suction length H.
If the calculated result H is negative, a delivery head of min. inlet pressure is necessary.

## Operation in Parallel

Running several pumps in parallel provides some benefit over running a single pump.
- Increased reliability since if a pump fails there will still be flow from the other pumps
- Availability of different working states necessary in a variable flow system.



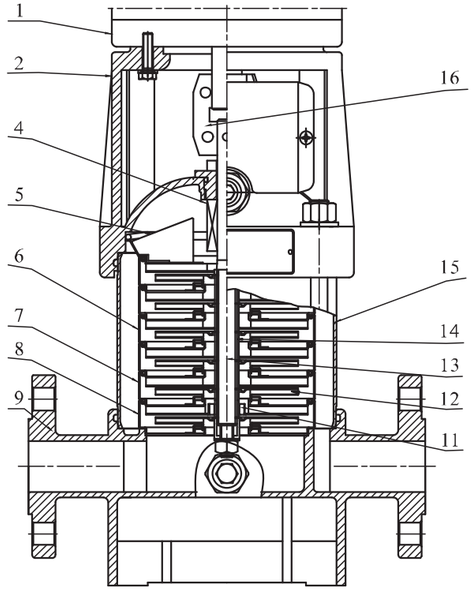




Confirm that pump is not at cavitations state.

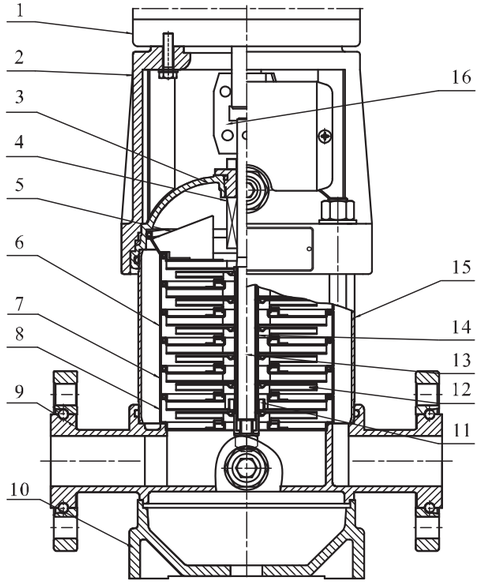




## Sectional Drawing OVIM/OVIMF1, 2, 3, 4




OVIM



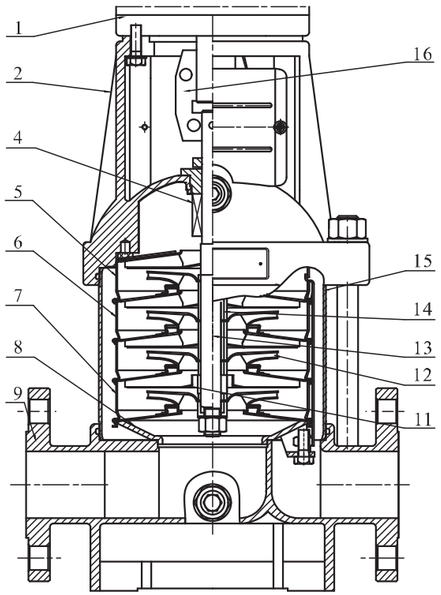

OVIMF

### MATERIAL OVIM/OVIMF1, 2, 3, 4

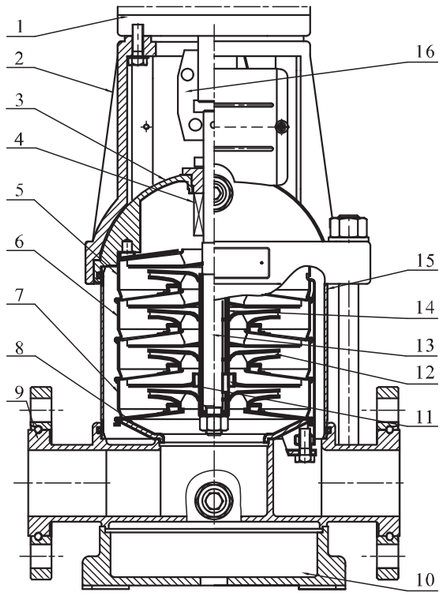
| NO. | NAME | MATERIAL | AISI/ASTM |
|---|---|---|---|
| 1 | Motor | | |
| 2 | Pump head | Cast iron | ASTM25B |
| 4 | Mechanical Seal | | |
| 5 | Top diffuser | Stainless steel | AISI304 |
| 6 | Diffuser | Stainless steel | AISI304 |
| 7 | Support diffuser | Stainless steel | AISI304 |
| 8 | Inducer | Stainless steel | AISI304 |
| 11 | Bearing | Tungsten carbide | |
| 12 | Impeller | Stainless steel | AISI304 |
| 13 | Shaft | Stainless steel | AISI304<br>AISI316L |

| NO. | NAME | MATERIAL | AISI/ASTM |
|---|---|---|---|
| 14 | Impeller sleeve | Stainless steel | AISI304 |
| 15 | Cylinder | Stainless steel | AISI304 |
| 16 | Coupling | Carbon steel | |
| **OVIMF** | | | |
| 3 | Seal base | Stainless steel | AISI304 |
| 9 | Inlet & outlet chamber | Stainless steel | AISI304 |
| 10 | Base plate | Cast iron | ASTM25B |
| **OVIM** | | | |
| 9 | Inlet & outlet chamber | Cast iron | ASTM25B |

## Sectional Drawing OVIM/OVIMF8, 16




OVIM




OVIMF

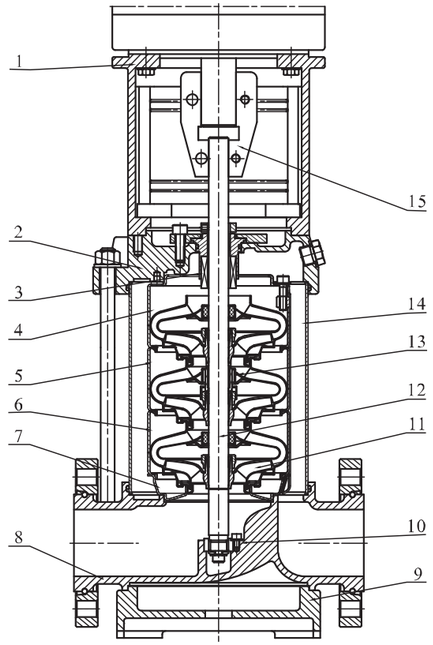
### MATERIAL OVIM/OVIMF8, 16

| NO. | NAME | MATERIAL | AISI/ASTM |
|---|---|---|---|
| 1 | Motor | | |
| 2 | Pump head | Cast iron | ASTM25B |
| 4 | Mechanical Seal | | |
| 5 | Top diffuser | Stainless steel | AISI304 |
| 6 | Diffuser | Stainless steel | AISI304 |
| 7 | Support diffuser | Stainless steel | AISI304 |
| 8 | Inducer | Stainless steel | AISI304 |
| 11 | Bearing | Tungsten carbide | |
| 12 | Impeller | Stainless steel | AISI304 |
| 13 | Shaft | Stainless steel | AISI304<br>AISI316L |
| 14 | Impeller sleeve | Stainless steel | AISI304 |
| 15 | Cylinder | Stainless steel | AISI304 |
| 16 | Coupling | Carbon steel | |
| **OVIMF** | | | |
| 3 | Seal base | Stainless steel | AISI304 |
| 9 | Inlet & outlet chamber | Stainless steel | AISI304 |
| 10 | Base plate | Cast iron | ASTM25B |
| **OVIM** | | | |
| 9 | Inlet & outlet chamber | Cast iron | ASTM25B |





## Sectional Drawing OVIM/OVIMF32, 42, 65, 85




### MATERIAL OVIM/OVIMF32, 42, 65, 85

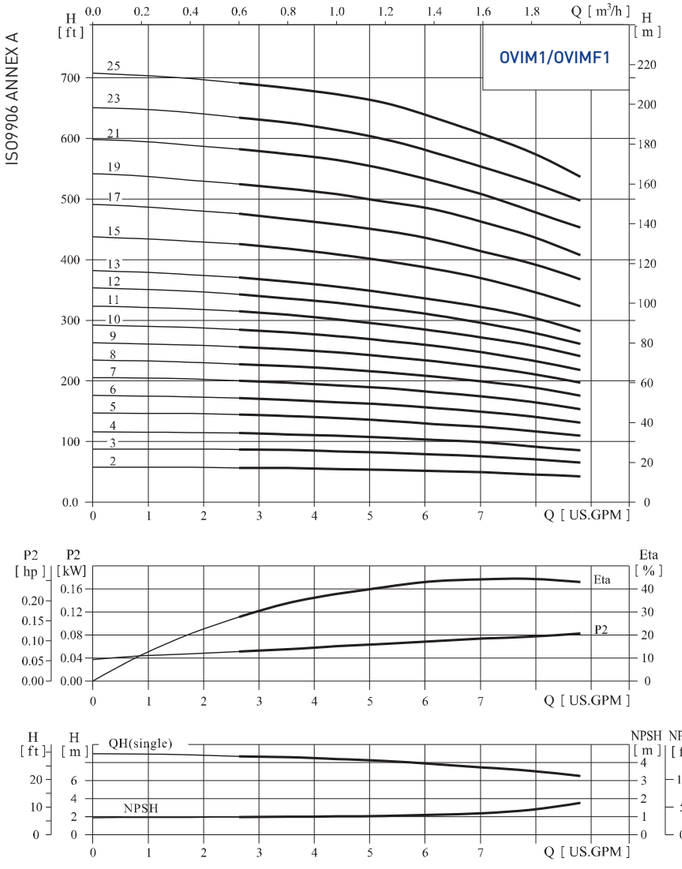
| NO. | NAME | MATERIAL | AISI/ASTM |
|---|---|---|---|
| 1 | Bracket | Cast iron | ASTM25B |
| 3 | Mechanical seal | | |
| 4 | Top diffuser | Stainless steel | AISI304 |
| 5 | Support diffuser | Stainless steel | AISI304 |
| 6 | Diffuser | Stainless steel | AISI304 |
| 7 | Inducer | Stainless steel | AISI304 |
| 9 | Base plate | Cast iron | ASTM25B |
| 10 | Bottom bearing | Tungsten carbide | |
| 11 | Impeller | Stainless steel | AISI304 |
| 12 | Shaft | Stainless steel | AISI316L<br>AISI304<br>AISI431 |
| 13 | Intermediate bearing | Tungsten carbide | |
| 14 | Cylinder | Stainless steel | AISI304 |
| 15 | Coupling | Carbon steel | |
| | Rubber parts | NBR | |
| **OVIM** | | | |
| 2 | Pump head | Cast iron | ASTM25B |
| 8 | Inlet & outlet chamber | Cast iron | ASTM25B |
| **OVIMF** | | | |
| 2 | Pump head | Stainless steel | AISI304 |
| 8 | Inlet & outlet chamber | Stainless steel | AISI304 |

# OVIM1/OVIMF1 60Hz

*Technical Data*

## PERFORMANCE CURVES

ISO9906 ANNEX A



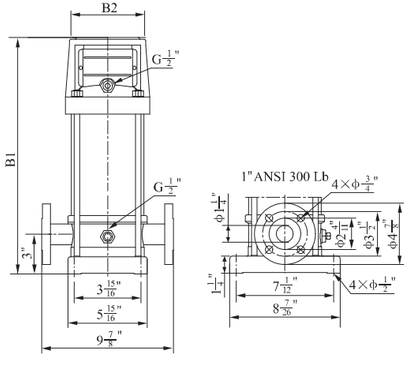

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM1-2 | 0.5 | 56C |
| OVIM1-3 | 0.5 | 56C |
| OVIM1-4 | 0.5 | 56C |
| OVIM1-5 | 0.75 | 56C |
| OVIM1-6 | 0.75 | 56C |
| OVIM1-7 | 1 | 56C |
| OVIM1-8 | 1 | 56C |
| OVIM1-9 | 1 | 56C |
| OVIM1-10 | 1.5 | 56C |
| OVIM1-11 | 1.5 | 56C |
| OVIM1-12 | 1.5 | 56C |
| OVIM1-13 | 1.5 | 56C |
| OVIM1-15 | 2 | 56C |
| OVIM1-17 | 2 | 56C |
| OVIM1-19 | 3 | 182TC |
| OVIM1-21 | 3 | 182TC |
| OVIM1-23 | 3 | 182TC |
| OVIM1-25 | 3 | 182TC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT [LBS] |
|---|---|---|---|
| OVIM1-2 | 11 1/4 | 6 1/2 | 34 |
| OVIM1-3 | 12 | 6 1/2 | 35 |
| OVIM1-4 | 12 11/16 | 6 1/2 | 36 |
| OVIM1-5 | 13 3/8 | 6 1/2 | 37 |
| OVIM1-6 | 14 1/8 | 6 1/2 | 39 |
| OVIM1-7 | 14 13/16 | 6 1/2 | 40 |
| OVIM1-8 | 15 9/16 | 6 1/2 | 41 |
| OVIM1-9 | 16 1/4 | 6 1/2 | 42 |
| OVIM1-10 | 16 15/16 | 6 1/2 | 43 |
| OVIM1-11 | 17 11/16 | 6 1/2 | 44 |
| OVIM1-12 | 18 3/8 | 6 1/2 | 45 |
| OVIM1-13 | 19 1/16 | 6 1/2 | 46 |
| OVIM1-15 | 20 1/2 | 6 1/2 | 49 |
| OVIM1-17 | 21 15/16 | 6 1/2 | 51 |
| OVIM1-19 | 23 5/8 | 8 7/8 | 56 |
| OVIM1-21 | 25 1/16 | 8 7/8 | 57 |
| OVIM1-23 | 26 1/2 | 8 7/8 | 60 |
| OVIM1-25 | 27 7/8 | 8 7/8 | 62 |

## INSTALLATION SKETCH





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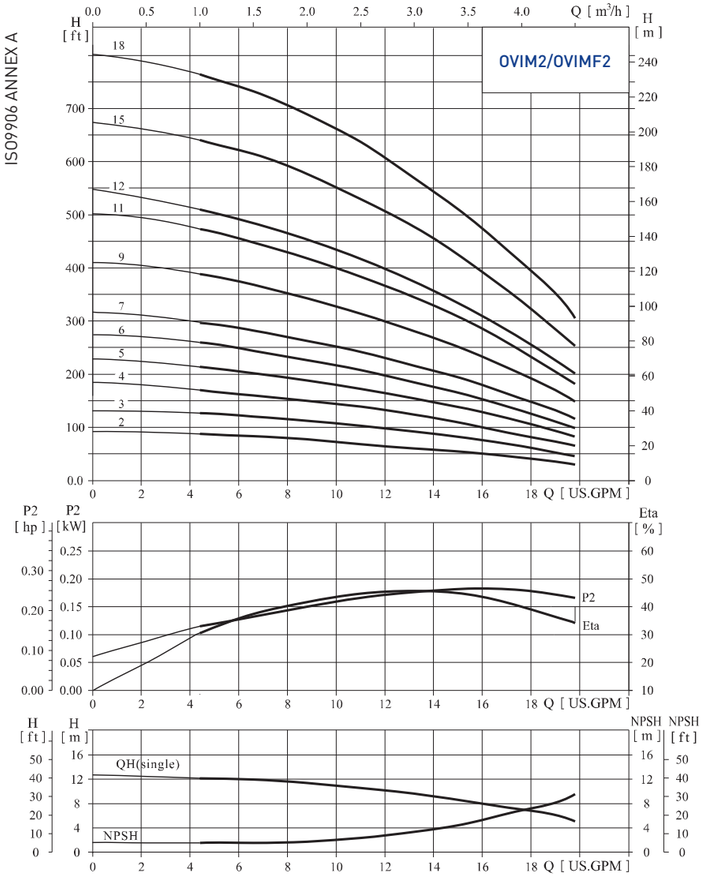
# OVIM2/OVIMF2 60Hz

*Technical Data*

## PERFORMANCE CURVES

ISO9906 ANNEX A



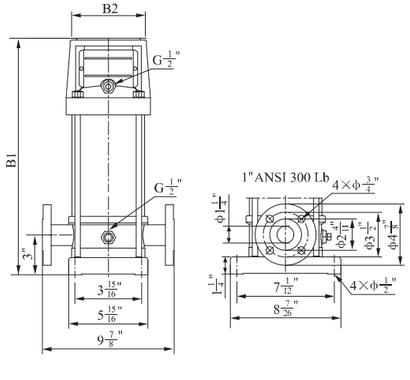

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM2-2 | 0.75 | 56C |
| OVIM2-3 | 1 | 56C |
| OVIM2-4 | 1.5 | 56C |
| OVIM2-5 | 1.5 | 56C |
| OVIM2-6 | 1.5 | 56C |
| OVIM2-7 | 2 | 56C |
| OVIM2-9 | 3 | 182TC |
| OVIM2-11 | 3 | 182TC |
| OVIM2-12 | 3 | 182TC |
| OVIM2-15 | 5 | 184TC |
| OVIM2-18 | 5 | 184TC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT [LBS] |
|---|---|---|---|
| OVIM2-2 | 11 1/4 | 6 1/2 | 34 |
| OVIM2-3 | 12 | 6 1/2 | 35 |
| OVIM2-4 | 12 11/16 | 6 1/2 | 36 |
| OVIM2-5 | 13 3/8 | 6 1/2 | 37 |
| OVIM2-6 | 14 1/8 | 6 1/2 | 39 |
| OVIM2-7 | 14 13/16 | 6 1/2 | 40 |
| OVIM2-9 | 16 9/16 | 8 7/8 | 42 |
| OVIM2-11 | 18 | 8 7/8 | 44 |
| OVIM2-12 | 18 11/16 | 8 7/8 | 50 |
| OVIM2-15 | 20 13/16 | 8 7/8 | 53 |
| OVIM2-18 | 22 15/16 | 8 7/8 | 55 |

## INSTALLATION SKETCH





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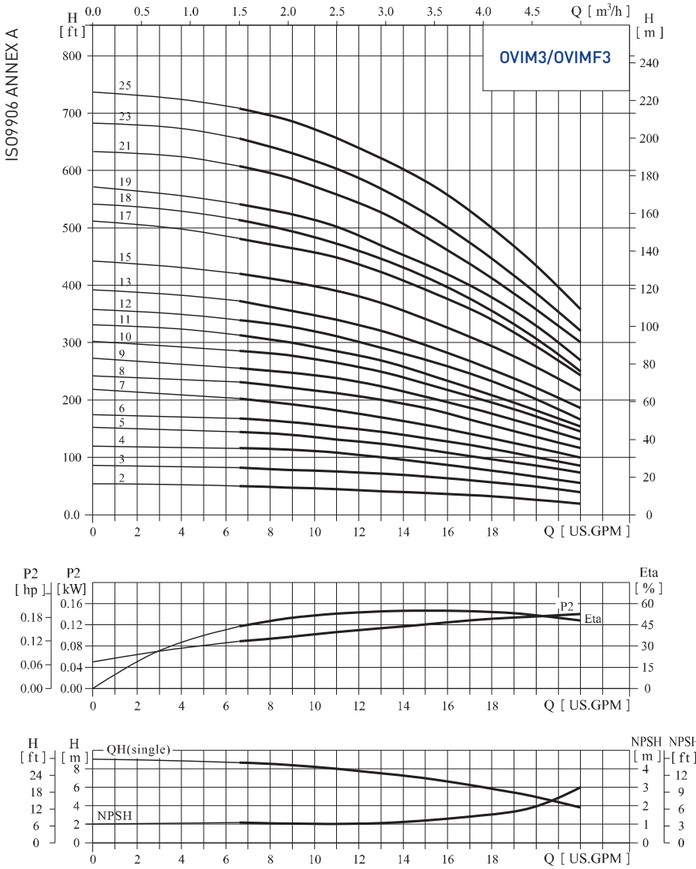
# OVIM3/OVIMF3 60Hz

*Technical Data*

## PERFORMANCE CURVES

ISO9906 ANNEX A



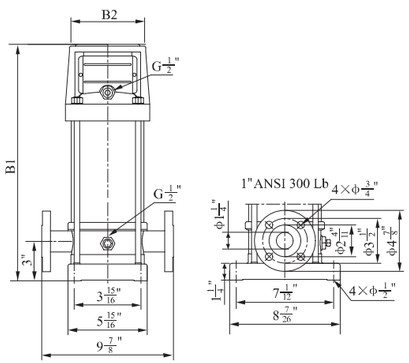

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM3-2 | 0.5 | 56C |
| OVIM3-3 | 0.75 | 56C |
| OVIM3-4 | 0.75 | 56C |
| OVIM3-5 | 1 | 56C |
| OVIM3-6 | 1.5 | 56C |
| OVIM3-7 | 1.5 | 56C |
| OVIM3-8 | 1.5 | 56C |
| OVIM3-9 | 2 | 56C |
| OVIM3-10 | 2 | 56C |
| OVIM3-11 | 2 | 56C |
| OVIM3-12 | 3 | 182TC |
| OVIM3-13 | 3 | 182TC |
| OVIM3-15 | 3 | 182TC |
| OVIM3-17 | 3 | 182TC |
| OVIM3-18 | 3 | 182TC |
| OVIM3-19 | 5 | 184TC |
| OVIM3-21 | 5 | 184TC |
| OVIM3-23 | 5 | 184TC |
| OVIM3-25 | 5 | 184TC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT [LBS] |
|---|---|---|---|
| OVIM3-2 | 11 1/4 | 6 1/2 | 34 |
| OVIM3-3 | 12 | 6 1/2 | 35 |
| OVIM3-4 | 12 11/16 | 6 1/2 | 36 |
| OVIM3-5 | 13 3/8 | 6 1/2 | 37 |
| OVIM3-6 | 14 1/8 | 6 1/2 | 39 |
| OVIM3-7 | 14 13/16 | 6 1/2 | 40 |
| OVIM3-8 | 15 9/16 | 6 1/2 | 41 |
| OVIM3-9 | 16 1/4 | 6 1/2 | 42 |
| OVIM3-10 | 16 15/16 | 6 1/2 | 43 |
| OVIM3-11 | 17 11/16 | 6 1/2 | 44 |
| OVIM3-12 | 18 11/16 | 8 7/8 | 50 |
| OVIM3-13 | 19 3/8 | 8 7/8 | 51 |
| OVIM3-15 | 20 13/16 | 8 7/8 | 53 |
| OVIM3-17 | 22 1/4 | 8 7/8 | 54 |
| OVIM3-18 | 22 15/16 | 8 7/8 | 55 |
| OVIM3-19 | 23 5/8 | 8 7/8 | 56 |
| OVIM3-21 | 25 1/16 | 8 7/8 | 57 |
| OVIM3-23 | 26 1/2 | 8 7/8 | 60 |
| OVIM3-25 | 27 7/8 | 8 7/8 | 62 |

## INSTALLATION SKETCH





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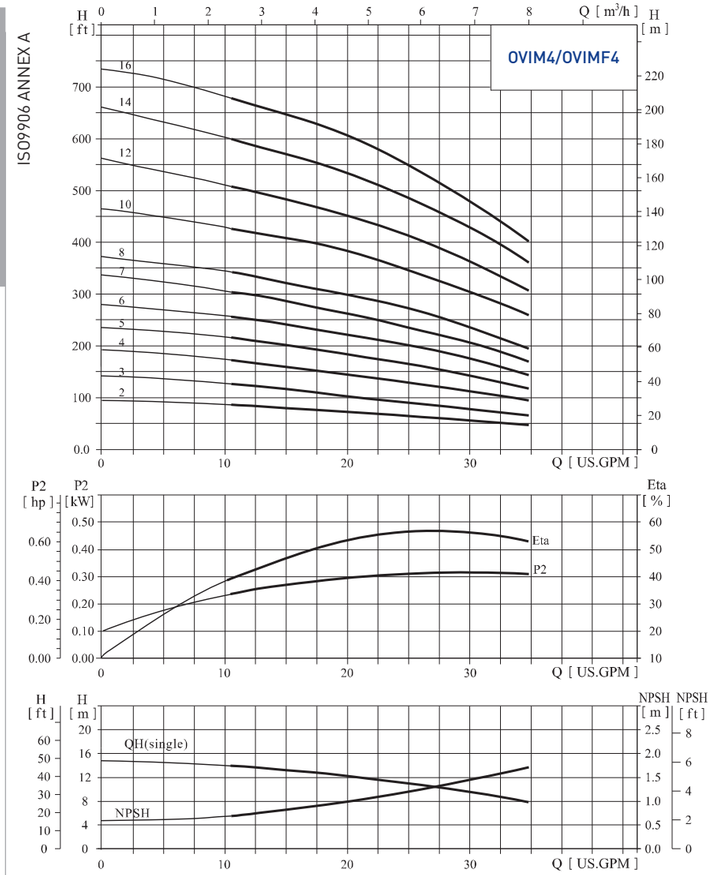
# OVIM4/OVIMF4 60Hz

*Technical Data*

## PERFORMANCE CURVES

ISO9906 ANNEX A



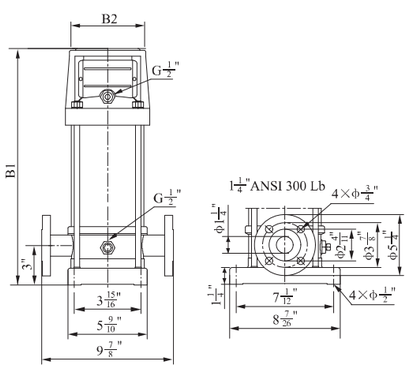

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM4-2 | 1 | 56C |
| OVIM4-3 | 1.5 | 56C |
| OVIM4-4 | 2 | 56C |
| OVIM4-5 | 3 | 182TC |
| OVIM4-6 | 3 | 182TC |
| OVIM4-7 | 5 | 184TC |
| OVIM4-8 | 5 | 184TC |
| OVIM4-10 | 5 | 184TC |
| OVIM4-12 | 7.5 | 213TC |
| OVIM4-14 | 7.5 | 213TC |
| OVIM4-16 | 7.5 | 213TC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT [LBS] |
|---|---|---|---|
| OVIM4-2 | 12 | 6 1/2 | 37 |
| OVIM4-3 | 13 1/16 | 6 1/2 | 39 |
| OVIM4-4 | 14 1/8 | 6 1/2 | 40 |
| OVIM4-5 | 15 7/16 | 8 7/8 | 46 |
| OVIM4-6 | 16 9/16 | 8 7/8 | 47 |
| OVIM4-7 | 17 5/8 | 8 7/8 | 49 |
| OVIM4-8 | 18 11/16 | 8 7/8 | 50 |
| OVIM4-10 | 20 13/16 | 8 7/8 | 51 |
| OVIM4-12 | 23 7/16 | 8 7/8 | 55 |
| OVIM4-14 | 25 9/16 | 8 7/8 | 57 |
| OVIM4-16 | 27 11/16 | 8 7/8 | 60 |

## INSTALLATION SKETCH





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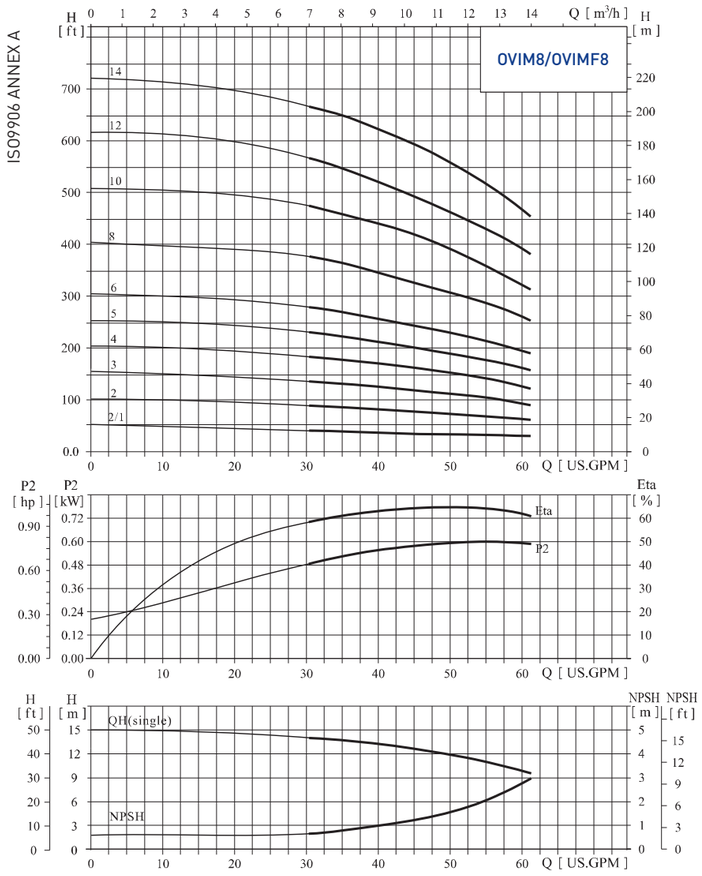
# OVIM8/OVIMF8 60Hz

*Technical Data*

## PERFORMANCE CURVES

ISO9906 ANNEX A



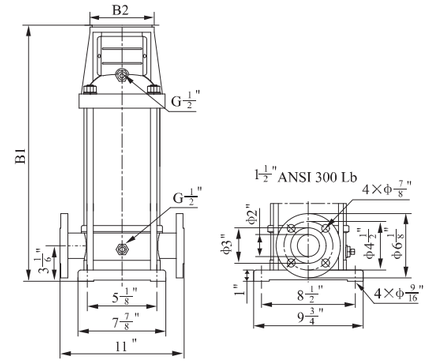

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM8-2/1 | 1 | 56C |
| OVIM8-2 | 2 | 56C |
| OVIM8-3 | 3 | 182TC |
| OVIM8-4 | 5 | 184TC |
| OVIM8-5 | 5 | 184TC |
| OVIM8-6 | 5 | 184TC |
| OVIM8-8 | 7.5 | 213TC |
| OVIM8-10 | 10 | 215TC |
| OVIM8-12 | 10 | 215TC |
| OVIM8-14 | 15 | 254TC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT [LBS] |
|---|---|---|---|
| OVIM8-2/1 | 14 4/9 | 6 1/2 | 57 |
| OVIM8-2 | 14 4/9 | 6 1/2 | 57 |
| OVIM8-3 | 16 1/16 | 8 7/8 | 65 |
| OVIM8-4 | 17 1/4 | 8 7/8 | 66 |
| OVIM8-5 | 18 3/7 | 8 7/8 | 67 |
| OVIM8-6 | 19 3/5 | 8 7/8 | 68 |
| OVIM8-8 | 22 11/25 | 8 7/8 | 82 |
| OVIM8-10 | 24 4/5 | 8 7/8 | 84 |
| OVIM8-12 | 27 1/6 | 8 7/8 | 86 |
| OVIM8-14 | 32 13/25 | 8 7/8 | 95 |

## INSTALLATION SKETCH





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# OVIM16/OVIMF16 60Hz

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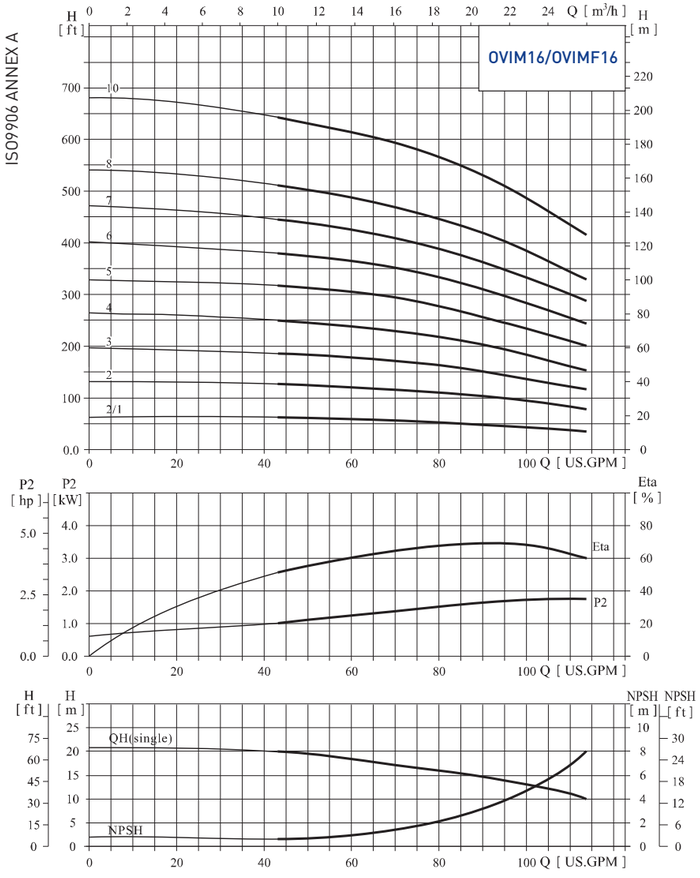
## PERFORMANCE CURVES

ISO9906 ANNEX A



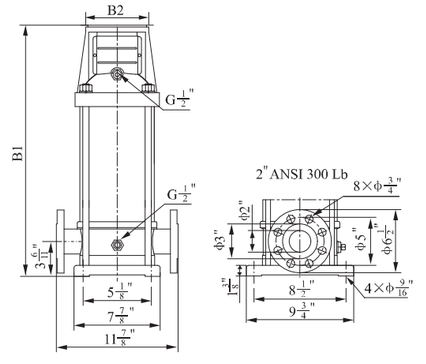

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM16-2/1 | 3 | 182TC |
| OVIM16-2 | 5 | 184TC |
| OVIM16-3 | 7.5 | 213TC |
| OVIM16-4 | 10 | 215TC |
| OVIM16-5 | 15 | 254TC |
| OVIM16-6 | 15 | 254TC |
| OVIM16-7 | 20 | 256TC |
| OVIM16-8 | 20 | 256TC |
| OVIM16-10 | 25 | 284TSC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT [LBS] |
|---|---|---|---|
| OVIM16-2/1 | 16 11/24 | 8 7/8 | 71 |
| OVIM16-2 | 16 11/24 | 8 7/8 | 71 |
| OVIM16-3 | 18 7/10 | 8 7/8 | 73 |
| OVIM16-4 | 20 8/17 | 8 7/8 | 75 |
| OVIM16-5 | 25 4/17 | 8 7/8 | 84 |
| OVIM16-6 | 27 | 8 7/8 | 86 |
| OVIM16-7 | 28 15/19 | 8 7/8 | 88 |
| OVIM16-8 | 30 5/9 | 8 7/8 | 93 |
| OVIM16-10 | 33 9/26 | 11 1/32 | 101 |

## INSTALLATION SKETCH





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# OVIM32/OVIMF32 60Hz

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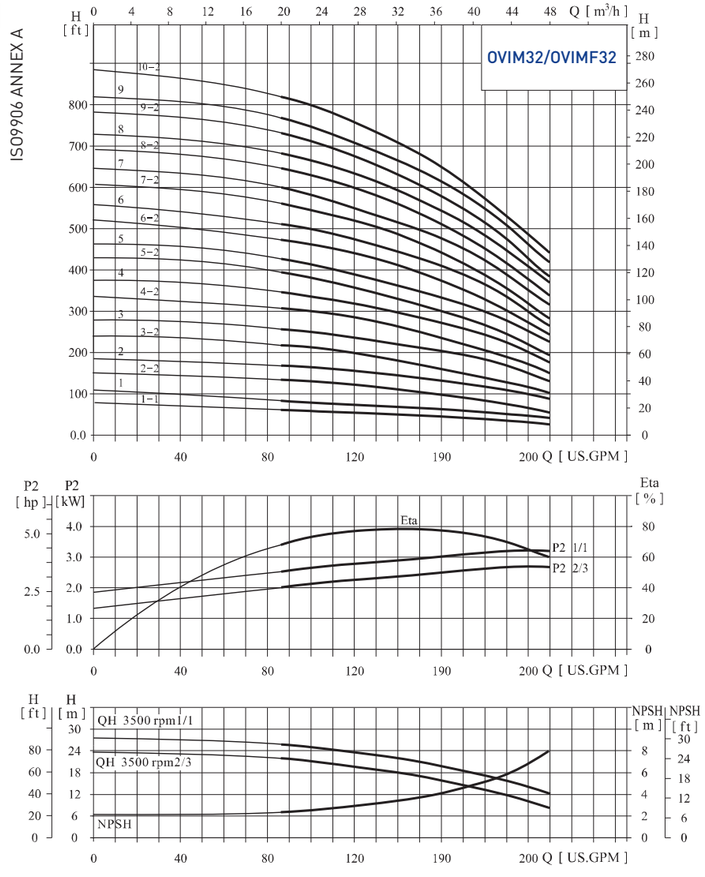
## PERFORMANCE CURVES

ISO9906 ANNEX A



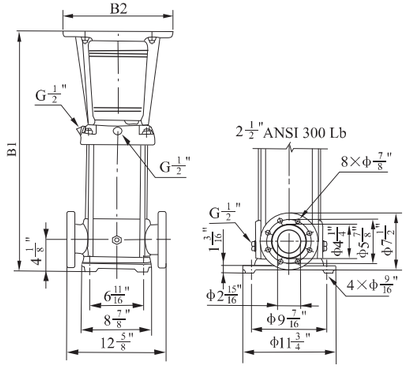

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM32-1-1 | 3 | 182TC |
| OVIM32-1 | 5 | 184TC |
| OVIM32-2-2 | 7.5 | 213TC |
| OVIM32-2 | 10 | 215TC |
| OVIM32-3-2 | 10 | 215TC |
| OVIM32-3 | 15 | 254TC |
| OVIM32-4-2 | 15 | 254TC |
| OVIM32-4 | 20 | 256TC |
| OVIM32-5-2 | 20 | 256TC |
| OVIM32-5 | 25 | 284TSC |
| OVIM32-6-2 | 25 | 284TSC |
| OVIM32-6 | 25 | 284TSC |
| OVIM32-7-2 | 30 | 286TSC |
| OVIM32-7 | 30 | 286TSC |
| OVIM32-8-2 | 30 | 286TSC |
| OVIM32-8 | 40 | 324TSC |
| OVIM32-9-2 | 40 | 324TSC |
| OVIM32-9 | 40 | 324TSC |
| OVIM32-10-2 | 40 | 324TSC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT (LBS) |
|---|---|---|---|
| OVIM32-1-1 | 20 3/25 | 8 7/8 | 93 |
| OVIM32-1 | 20 3/25 | 8 7/8 | 93 |
| OVIM32-2-2 | 22 7/8 | 8 7/8 | 101 |
| OVIM32-2 | 22 7/8 | 8 7/8 | 101 |
| OVIM32-3-2 | 25 5/8 | 8 7/8 | 110 |
| OVIM32-3 | 29 2/15 | 8 7/8 | 128 |
| OVIM32-4-2 | 31 8/9 | 8 7/8 | 137 |
| OVIM32-4 | 31 8/9 | 8 7/8 | 137 |
| OVIM32-5-2 | 34 9/14 | 8 7/8 | 146 |
| OVIM32-5 | 33 6/7 | 11 1/32 | 139 |
| OVIM32-6-2 | 33 6/7 | 11 1/32 | 148 |
| OVIM32-6 | 33 6/7 | 11 1/32 | 148 |
| OVIM32-7-2 | 37 3/8 | 11 1/32 | 157 |
| OVIM32-7 | 37 3/8 | 11 1/32 | 157 |
| OVIM32-8-2 | 42 1/8 | 11 1/32 | 165 |
| OVIM32-8 | 42 11/12 | 13 7/12 | 179 |
| OVIM32-9-2 | 42 11/12 | 13 7/12 | 187 |
| OVIM32-9 | 42 11/12 | 13 7/12 | 187 |
| OVIM32-10-2 | 48 3/7 | 13 7/12 | 196 |

## INSTALLATION SKETCH





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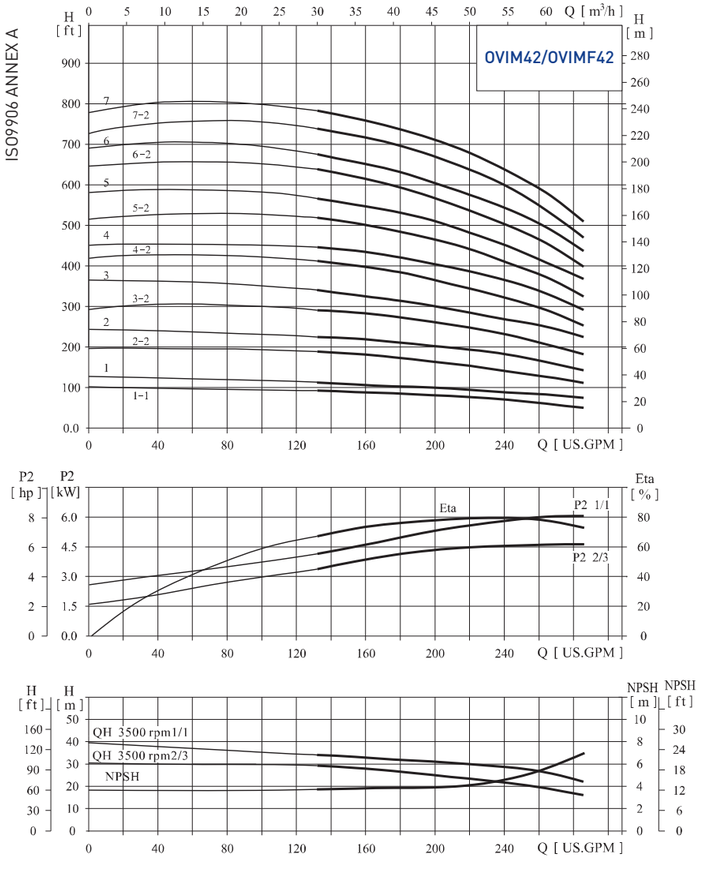
# OVIM42/OVIMF42 60Hz

*Technical Data*

## PERFORMANCE CURVES

ISO9906 ANNEX A



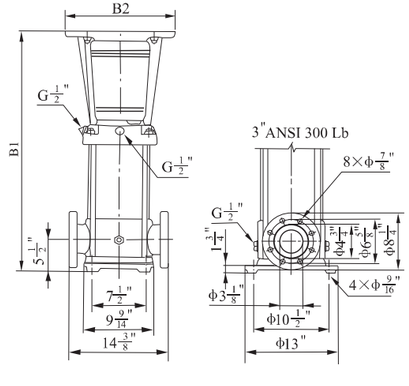

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM42-1-1 | 7.5 | 213TC |
| OVIM42-1 | 10 | 215TC |
| OVIM42-2-2 | 15 | 254TC |
| OVIM42-2 | 20 | 256TC |
| OVIM42-3-2 | 25 | 284TSC |
| OVIM42-3 | 25 | 284TSC |
| OVIM42-4-2 | 30 | 286TSC |
| OVIM42-4 | 40 | 324TSC |
| OVIM42-5-2 | 40 | 324TSC |
| OVIM42-5 | 40 | 324TSC |
| OVIM42-6-2 | 50 | 326TSC |
| OVIM42-6 | 50 | 326TSC |
| OVIM42-7-2 | 60 | 364TSC |
| OVIM42-7 | 60 | 364TSC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT (LBS) |
|---|---|---|---|
| OVIM42-1-1 | 22 8/25 | 8 7/8 | 137 |
| OVIM42-1 | 22 8/25 | 8 7/8 | 137 |
| OVIM42-2-2 | 29 1/20 | 8 7/8 | 163 |
| OVIM42-2 | 29 1/20 | 8 7/8 | 163 |
| OVIM42-3-2 | 31 2/5 | 11 1/32 | 165 |
| OVIM42-3 | 31 2/5 | 11 1/32 | 165 |
| OVIM42-4-2 | 34 9/16 | 11 1/32 | 174 |
| OVIM42-4 | 35 5/14 | 13 7/12 | 190 |
| OVIM42-5-2 | 38 1/2 | 13 7/12 | 198 |
| OVIM42-5 | 38 1/2 | 13 7/12 | 198 |
| OVIM42-6-2 | 41 2/3 | 13 7/12 | 207 |
| OVIM42-6 | 41 2/3 | 13 7/12 | 207 |
| OVIM42-7-2 | 44 2/5 | 15 11/20 | 234 |
| OVIM42-7 | 44 2/5 | 15 11/20 | 234 |

## INSTALLATION SKETCH





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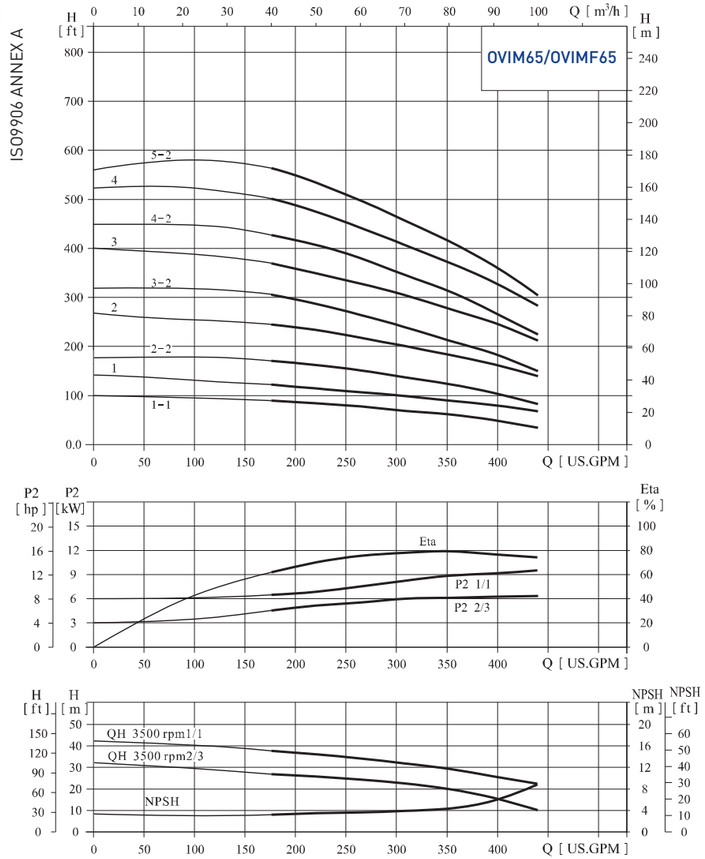
# OVIM65/OVIMF65 60Hz

*Technical Data*

## PERFORMANCE CURVES

ISO9906 ANNEX A



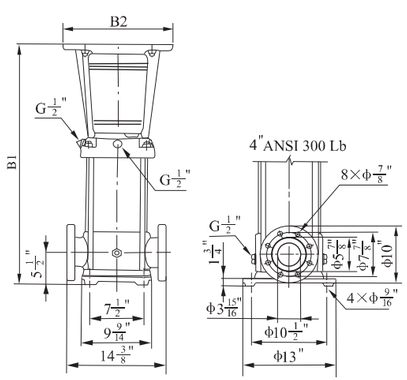

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM65-1-1 | 10 | 215TC |
| OVIM65-1 | 15 | 254TC |
| OVIM65-2-2 | 20 | 256TC |
| OVIM65-2 | 30 | 286TSC |
| OVIM65-3-2 | 30 | 286TSC |
| OVIM65-3 | 40 | 324TSC |
| OVIM65-4-2 | 50 | 326TSC |
| OVIM65-4 | 60 | 364TSC |
| OVIM65-5-2 | 60 | 364TSC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT [LBS] |
|---|---|---|---|
| OVIM65-1-1 | 22 8/25 | 8 7/8 | 139 |
| OVIM65-1 | 26 1/42 | 8 7/8 | 157 |
| OVIM65-2-2 | 29 5/17 | 8 7/8 | 168 |
| OVIM65-2 | 28 1/2 | 11 1/32 | 161 |
| OVIM65-3-2 | 31 11/15 | 11 1/32 | 172 |
| OVIM65-3 | 32 1/2 | 13 7/12 | 187 |
| OVIM65-4-2 | 35 15/19 | 13 7/12 | 198 |
| OVIM65-4 | 35 2/5 | 15 11/20 | 214 |
| OVIM65-5-2 | 38 5/8 | 15 11/20 | 225 |

## INSTALLATION SKETCH





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# OVIM85/OVIMF85 60Hz

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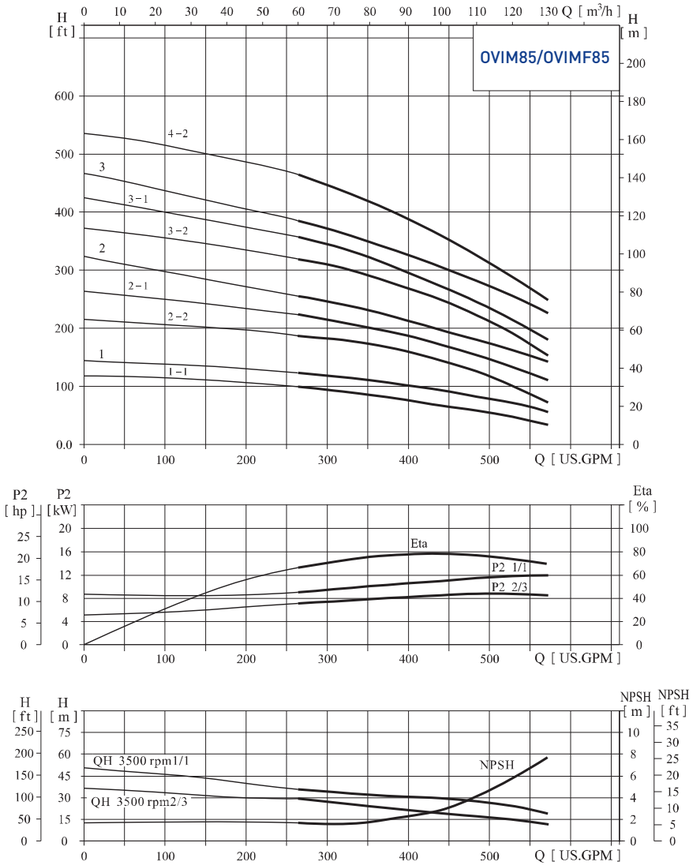
## PERFORMANCE CURVES



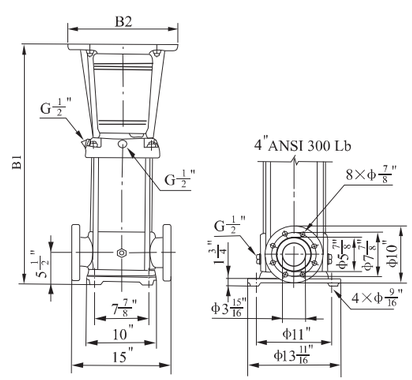

## PERFORMANCE TABLE

| MODEL | DRIVING MOTOR (HP) | FRAME |
|---|---|---|
| OVIM85-1-1 | 15 | 254TC |
| OVIM85-1 | 20 | 256TC |
| OVIM85-2-2 | 25 | 284TSC |
| OVIM85-2-1 | 30 | 286TSC |
| OVIM85-2 | 40 | 324TSC |
| OVIM85-3-2 | 50 | 326TSC |
| OVIM85-3-1 | 50 | 326TSC |
| OVIM85-3 | 60 | 364TSC |
| OVIM85-4-2 | 60 | 364TSC |

## SIZES AND WEIGHT

| MODEL | SIZE (INCHES) B1 | B2 | WEIGHT [LBS] |
|---|---|---|---|
| OVIM85-1-1 | 22 2/23 | 8 7/8 | 163 |
| OVIM85-1 | 22 2/23 | 8 7/8 | 163 |
| OVIM85-2-2 | 29 1/4 | 11 1/32 | 168 |
| OVIM85-2-1 | 29 1/4 | 11 1/32 | 168 |
| OVIM85-2 | 30 1/25 | 13 7/12 | 187 |
| OVIM85-3-2 | 33 2/3 | 13 7/12 | 202 |
| OVIM85-3-1 | 33 2/3 | 13 7/12 | 202 |
| OVIM85-3 | 33 4/15 | 15 11/20 | 220 |
| OVIM85-4-2 | 36 8/9 | 15 11/20 | 234 |

## INSTALLATION SKETCH





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