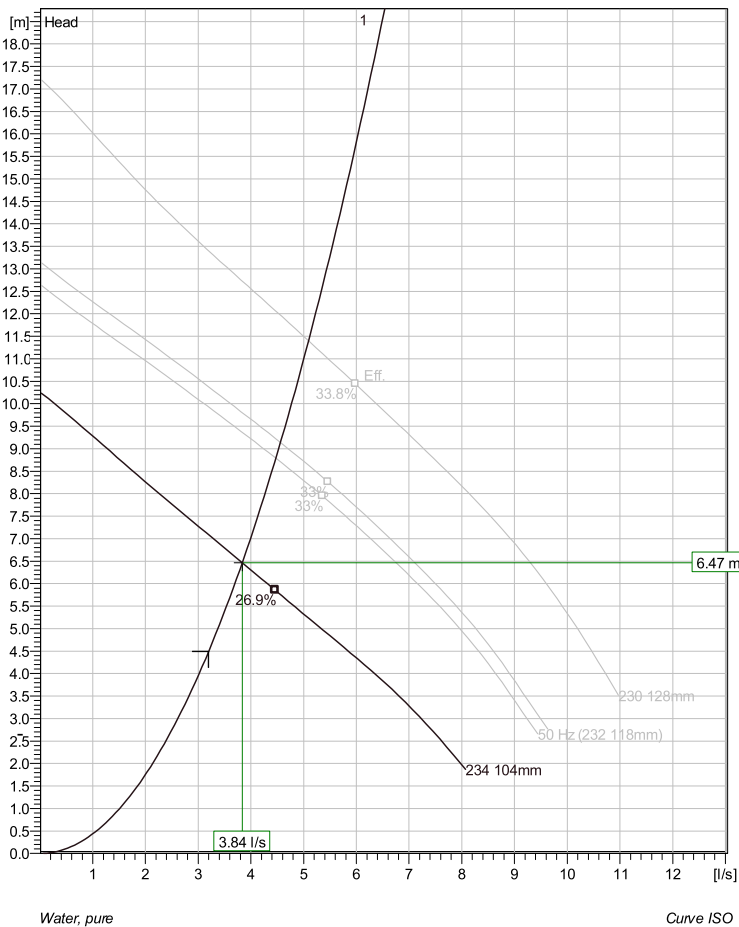


## DP 3057 MT 3~ 234

### Technical specification



Note: Picture might not correspond to the current configuration.

#### General

Portable pumps with vortex impellers ideal for applications in which the water or liquid contains concentrations of abrasives when clogging problems can occur.

#### Impeller

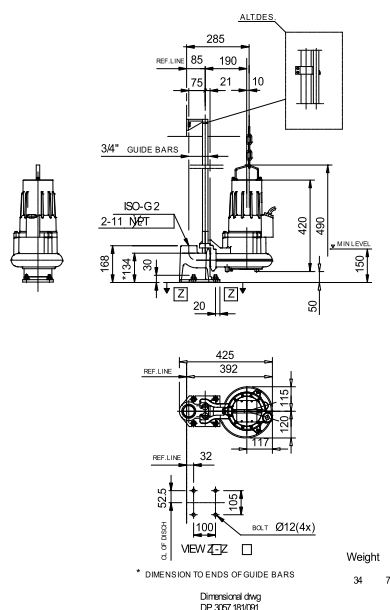
|                           |                |
|---------------------------|----------------|
| Impeller material         | Grey cast iron |
| Discharge Flange Diameter | 50 mm          |
| Inlet diameter            | 50 mm          |
| Impeller diameter         | 104 mm         |
| Number of blades          | 6              |
| 48 mm                     | 48 mm          |

#### Motor

|                  |                             |
|------------------|-----------------------------|
| Motor #          | D3057.181 13-10-2BB-W 2.4KW |
| Approval         | Standard                    |
| Stator variant   | 1                           |
| Frequency        | 50 Hz                       |
| Rated voltage    | 380 V                       |
| Number of poles  | 2                           |
| Phases           | 3~                          |
| Rated power      | 2.4 kW                      |
| Rated current    | 5.5 A                       |
| Starting current | 23 A                        |
| Rated speed      | 2700 rpm                    |
| Power factor     |                             |
| 1/1 Load         | 0.90                        |
| 3/4 Load         | 0.86                        |
| 1/2 Load         | 0.78                        |
| Motor efficiency |                             |
| 1/1 Load         | 74.0 %                      |
| 3/4 Load         | 79.0 %                      |
| 1/2 Load         | 81.5 %                      |

#### Configuration

#### Installation: P - Semi permanent, Wet



|         |            |            |            |             |
|---------|------------|------------|------------|-------------|
| Project | Project ID | Created by | Created on | Last update |
|         |            |            | 2017-01-23 |             |

## DP 3057 MT 3~ 234

### Performance curve



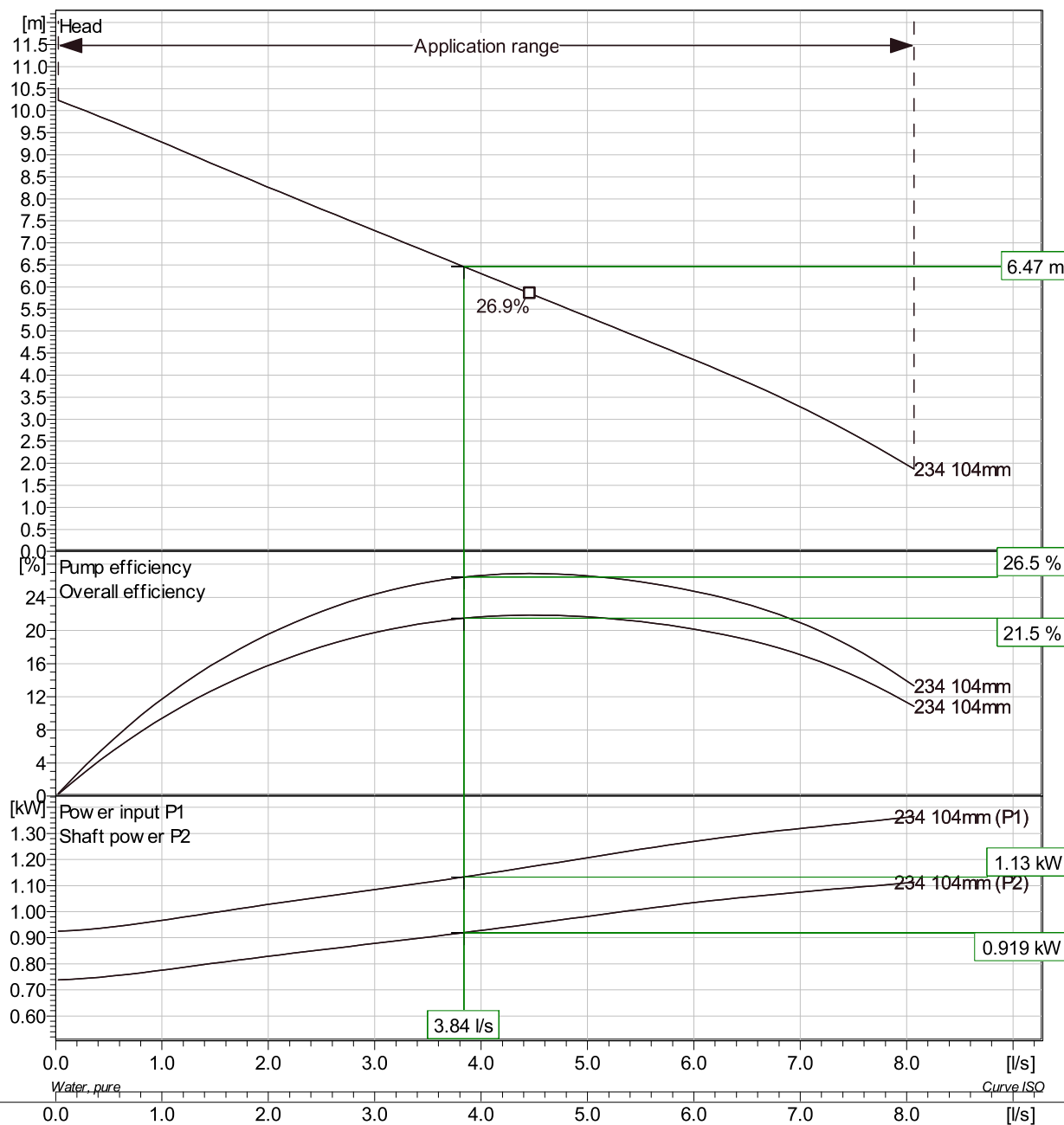
#### Pump

Discharge Flange Diameter 50 mm  
Inlet diameter 50 mm  
Impeller diameter 104 mm  
Number of blades 6  
48 mm 48 mm

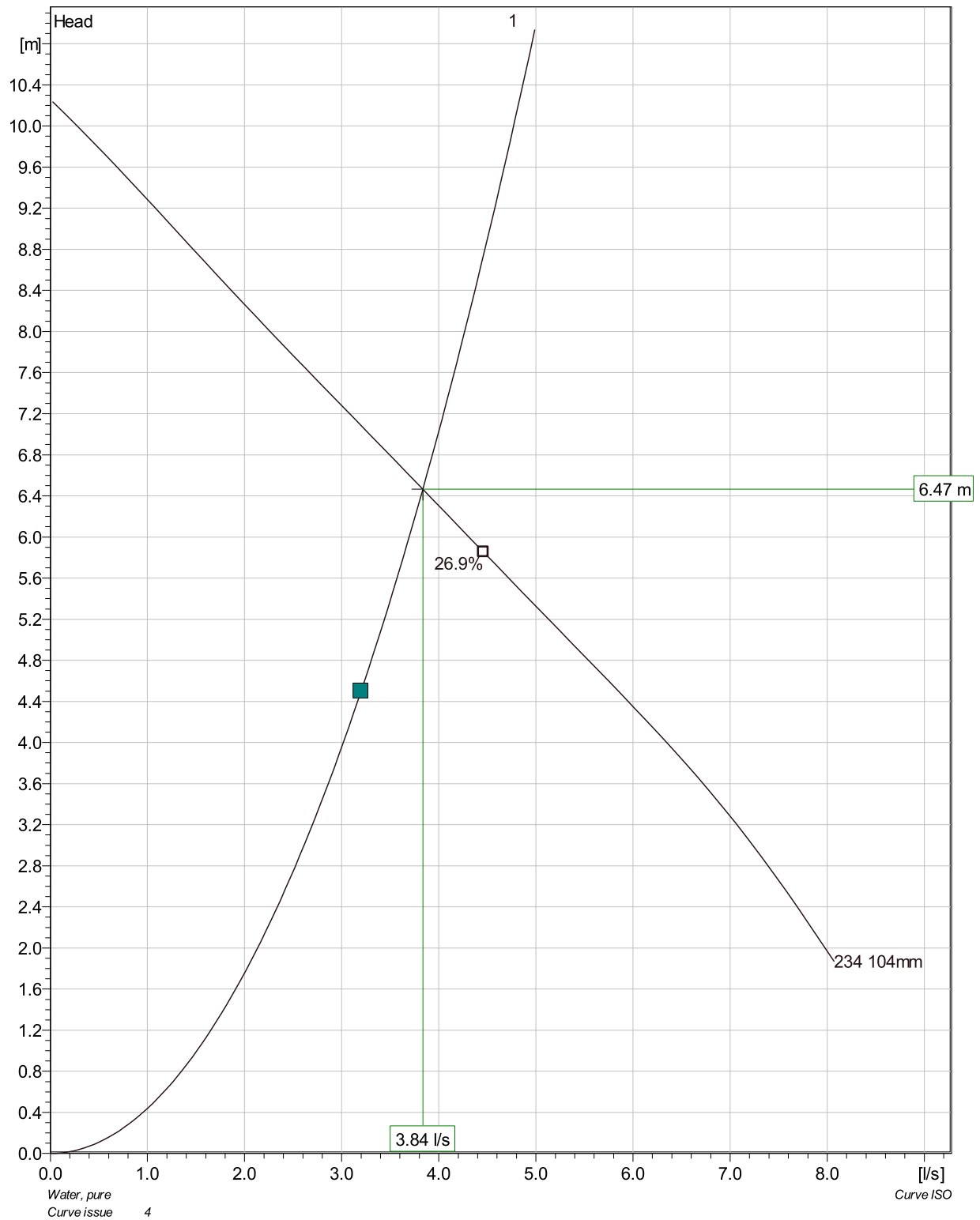
#### Motor

Motor # D3057.181 13-10-2BB-W 2.4KW  
Approval Standard  
Stator variant 1  
Frequency 50 Hz  
Rated voltage 380 V  
Number of poles 2  
Phases 3~  
Rated power 2.4 kW  
Rated current 5.5 A  
Starting current 23 A  
Rated speed 2700 rpm

Power factor  
1/1 Load 0.90  
3/4 Load 0.86  
1/2 Load 0.78  
Motor efficiency  
1/1 Load 74.0 %  
3/4 Load 79.0 %  
1/2 Load 81.5 %



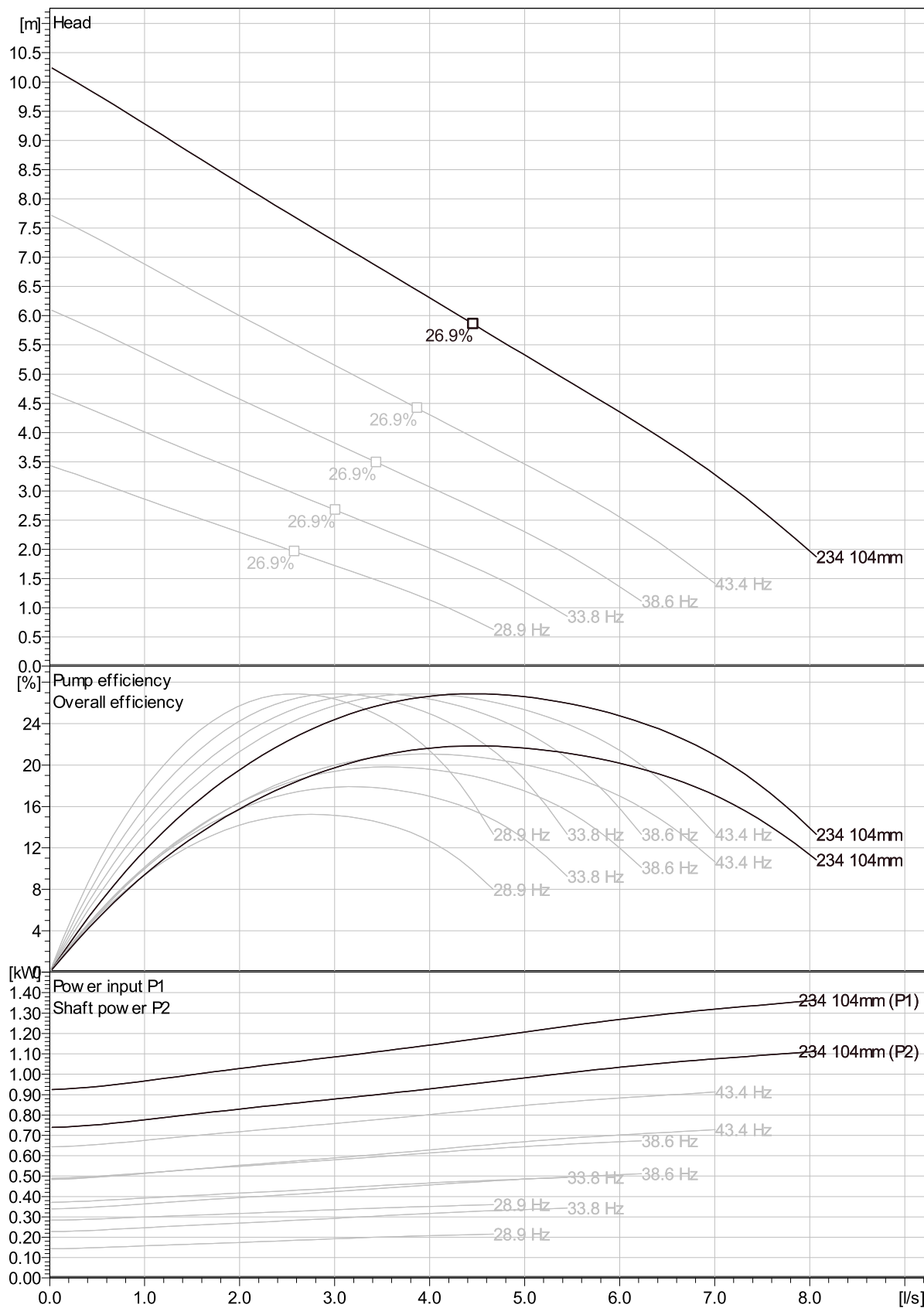
## DP 3057 MT 3~ 234 Duty Analysis



| Pumps running /System | Individual pump |        |             | Total    |        |             |           |                 | NPSHre |
|-----------------------|-----------------|--------|-------------|----------|--------|-------------|-----------|-----------------|--------|
|                       | Flow            | Head   | Shaft power | Flow     | Head   | Shaft power | Pump eff. | Specific energy |        |
| 1                     | 3.84 l/s        | 6.47 m | 0.919 kW    | 3.84 l/s | 6.47 m | 0.919 kW    | 26.5 %    | 0.0821 kWh/m³   |        |

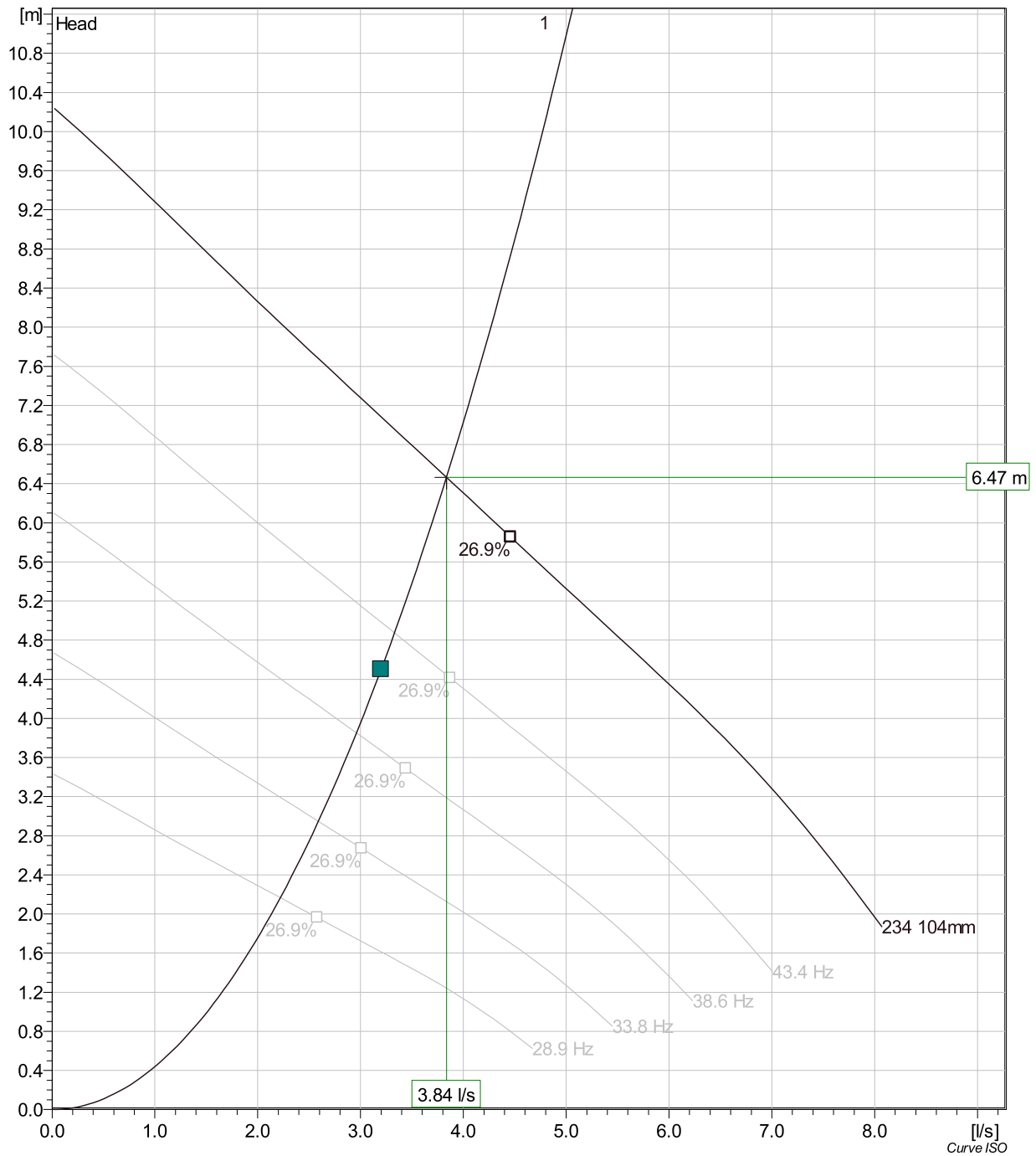
|         |            |            |                          |             |
|---------|------------|------------|--------------------------|-------------|
| Project | Project ID | Created by | Created on<br>2017-01-23 | Last update |
|---------|------------|------------|--------------------------|-------------|

## DP 3057 MT 3~ 234 VFD Curve



|         |            |            |                          |             |
|---------|------------|------------|--------------------------|-------------|
| Project | Project ID | Created by | Created on<br>2017-01-23 | Last update |
|---------|------------|------------|--------------------------|-------------|

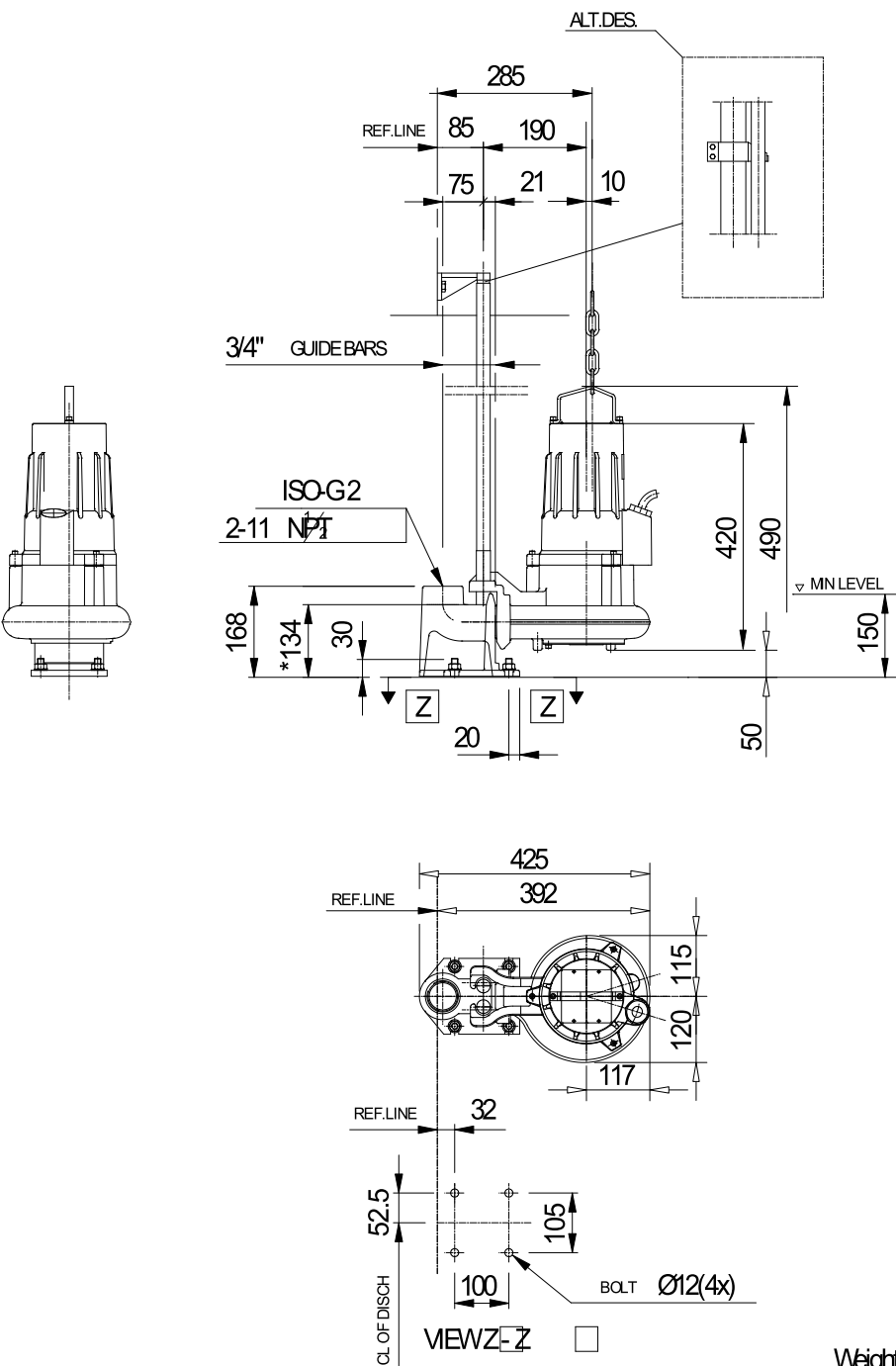
## DP 3057 MT 3~ 234 VFD Analysis



| Pumps running /System | Frequency | Flow     | Head   | Shaft power | Flow     | Head   | Shaft power | Pump eff. | Specific energy           | NPSHre |
|-----------------------|-----------|----------|--------|-------------|----------|--------|-------------|-----------|---------------------------|--------|
| 1                     | 50 Hz     | 3.84 l/s | 6.47 m | 0.919 kW    | 3.84 l/s | 6.47 m | 0.919 kW    | 26.5 %    | 0.0821 kWh/m <sup>3</sup> |        |
| 1                     | 43.4 Hz   | 3.33 l/s | 4.87 m | 0.602 kW    | 3.33 l/s | 4.87 m | 0.602 kW    | 26.5 %    | 0.0644 kWh/m <sup>3</sup> |        |
| 1                     | 38.6 Hz   | 2.96 l/s | 3.85 m | 0.423 kW    | 2.96 l/s | 3.85 m | 0.423 kW    | 26.5 %    | 0.0543 kWh/m <sup>3</sup> |        |
| 1                     | 33.8 Hz   | 2.59 l/s | 2.95 m | 0.283 kW    | 2.59 l/s | 2.95 m | 0.283 kW    | 26.5 %    | 0.0462 kWh/m <sup>3</sup> |        |
| 1                     | 28.9 Hz   | 2.22 l/s | 2.17 m | 0.178 kW    | 2.22 l/s | 2.17 m | 0.178 kW    | 26.5 %    | 0.0401 kWh/m <sup>3</sup> |        |

|         |            |            |                          |             |
|---------|------------|------------|--------------------------|-------------|
| Project | Project ID | Created by | Created on<br>2017-01-23 | Last update |
|---------|------------|------------|--------------------------|-------------|

DP 3057 MT 3~ 234  
Dimensional drawing



Weight  
34 7

Dimensional dwg  
DP 3057.181/091

| Project | Project ID | Created by | Created on | Last update |
|---------|------------|------------|------------|-------------|
|         |            |            | 2017-01-23 |             |