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## ***Intermot Hydraulic Motors IAM•HD Series***

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### ***H4 Models***

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***IAM•HD 700 – 800 – 1000 H4  
IAM•HD 700/C – 800/C H4***

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## ***INDEX***

|                            |         |
|----------------------------|---------|
| TECHNICAL DATA             | Pag. 8  |
| IAM•HD 700 – 800 – 1000 H4 | Pag. 9  |
| IAM•HD 700/C – 800/C H4    | Pag. 10 |
| ORDERING INSTRUCTIONS      | Pag. 11 |

## IAM•HD H4

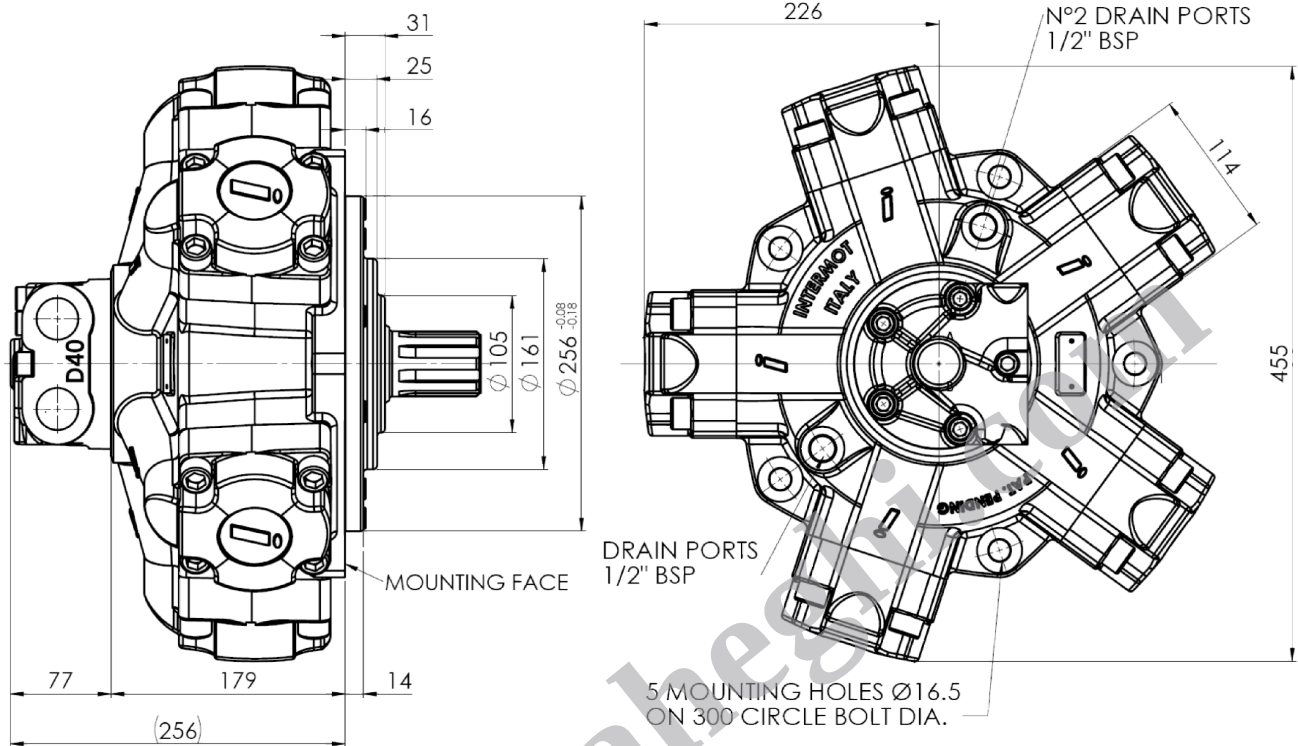
### Technical data

| MODEL     |      | N° of pistons | Displacement         | Specific Torque | Pressure  |          |      | Speed     |      | Max Power | Dry Mass | Max case pressure | Max back pressure | Temperature range |
|-----------|------|---------------|----------------------|-----------------|-----------|----------|------|-----------|------|-----------|----------|-------------------|-------------------|-------------------|
|           |      |               |                      |                 | Max Cont. | Max Int. | Peak | Max Cont. | Peak |           |          |                   |                   |                   |
|           |      |               | cm <sup>3</sup> /rev | Nm/bar          | bar       |          |      | rpm       |      | kW        | kg       | bar               | bar               | °C                |
| IAM•HD H4 | 700  | 5             | 714                  | 11.4            | 270       | 320      | 350  | 500       | 580  | 150       | 92       | 6                 | 70                | -30 ÷ +70         |
|           | 800  |               | 792                  | 12.6            | 270       | 320      | 350  | 450       | 520  | 150       |          |                   |                   |                   |
|           | 1000 |               | 992                  | 15.8            | 270       | 320      | 350  | 355       | 405  | 150       |          |                   |                   |                   |

# IAM•HD H4

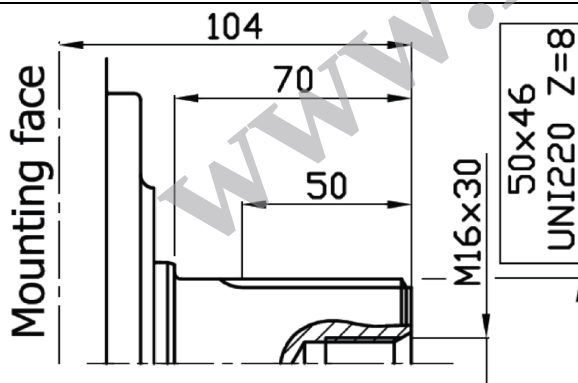
## Dimensional drawings

### IAM•HD 700 – 800 – 1000 H4

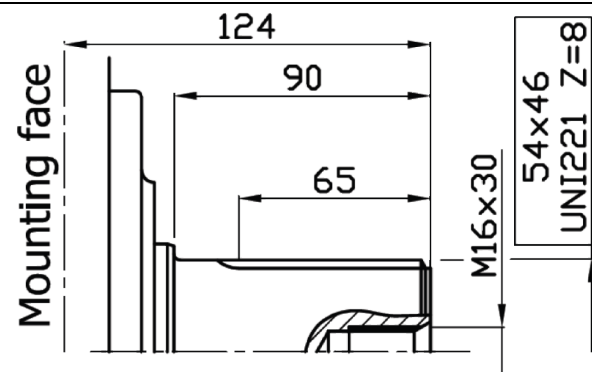


#### SHAFTS

##### A0: Standard splined shaft



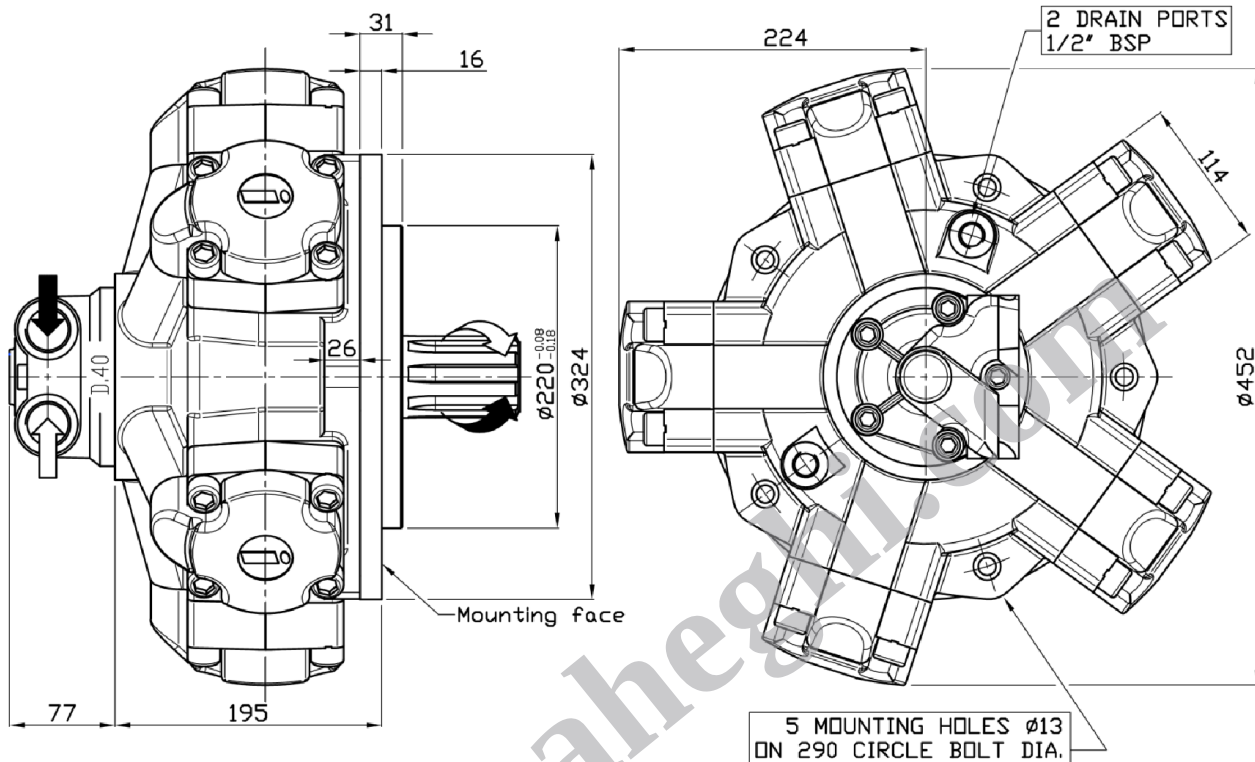
##### A1: Splined shaft on request



# IAM•HD H4

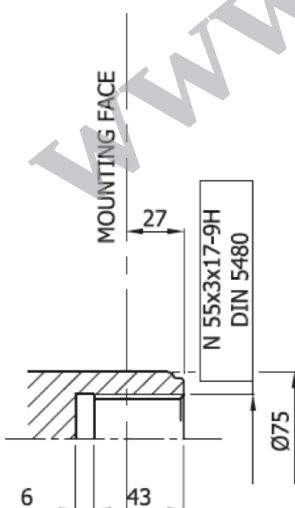
## Dimensional drawings

### IAM•HD 700/C – 800/C H4

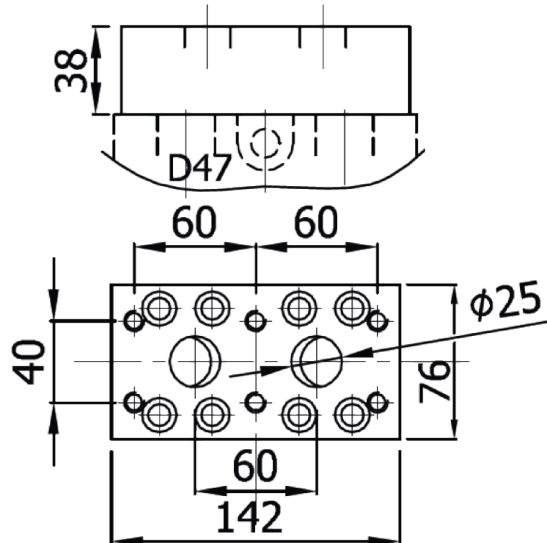


### SHAFTS

A3: Internal splined shaft



Option FL2



## IAM•HD H4

### Ordering instructions

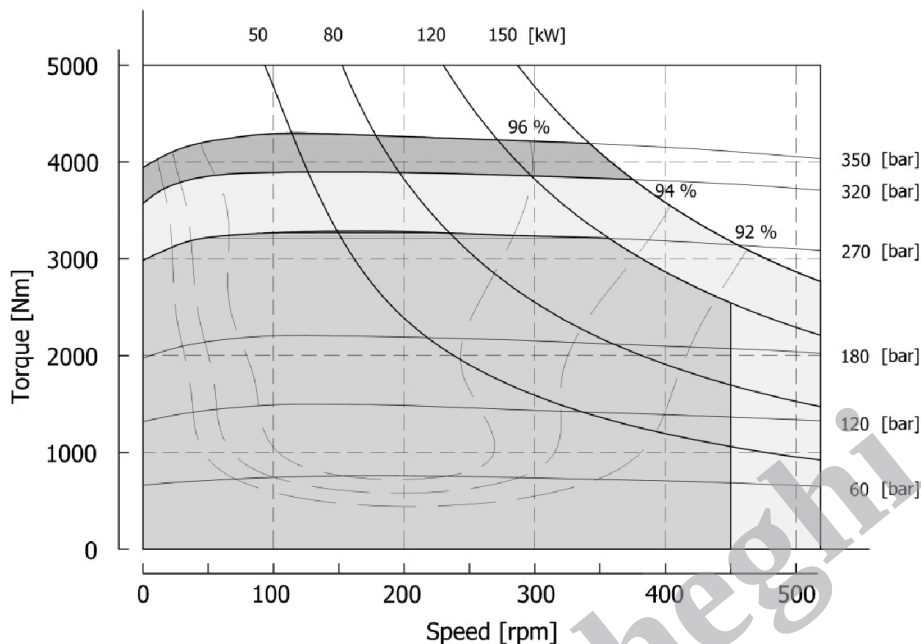
| IAM•HD                       | --- | / _ | H4 | A _         | D __ | SB _          |
|------------------------------|-----|-----|----|-------------|------|---------------|
| Model                        |     |     |    |             |      |               |
| Displacement                 |     |     |    |             |      |               |
| 700 cc/rev                   |     |     |    |             |      |               |
| 800 cc/rev                   |     |     |    |             |      |               |
| 1000 cc/rev                  |     |     |    |             |      |               |
| Interchangeability           |     |     |    |             |      |               |
| /C                           |     |     |    |             |      |               |
|                              |     |     |    |             |      |               |
| Housing                      |     |     |    |             |      |               |
|                              |     |     |    |             |      |               |
|                              |     |     |    |             |      |               |
|                              |     |     |    |             |      |               |
|                              |     |     |    | Shaft       |      |               |
| A0 – Standard splined shaft  |     |     |    |             |      |               |
| A1 – Special splined shaft   |     |     |    |             |      |               |
| A3 – Female shaft            |     |     |    |             |      |               |
|                              |     |     |    | Distributor |      |               |
| D40 – 1" BSP                 |     |     |    |             |      |               |
| D47 – SAE 1" 3000 psi flange |     |     |    |             |      |               |
|                              |     |     |    |             |      |               |
|                              |     |     |    |             |      | Spline billet |
| SB4 – 46 UNI 220             |     |     |    |             |      |               |
| SB5 – 46 UNI 221             |     |     |    |             |      |               |

**EXAMPLE: IAM•HD 800 H4 A0 D40**

## IAM•HD H4

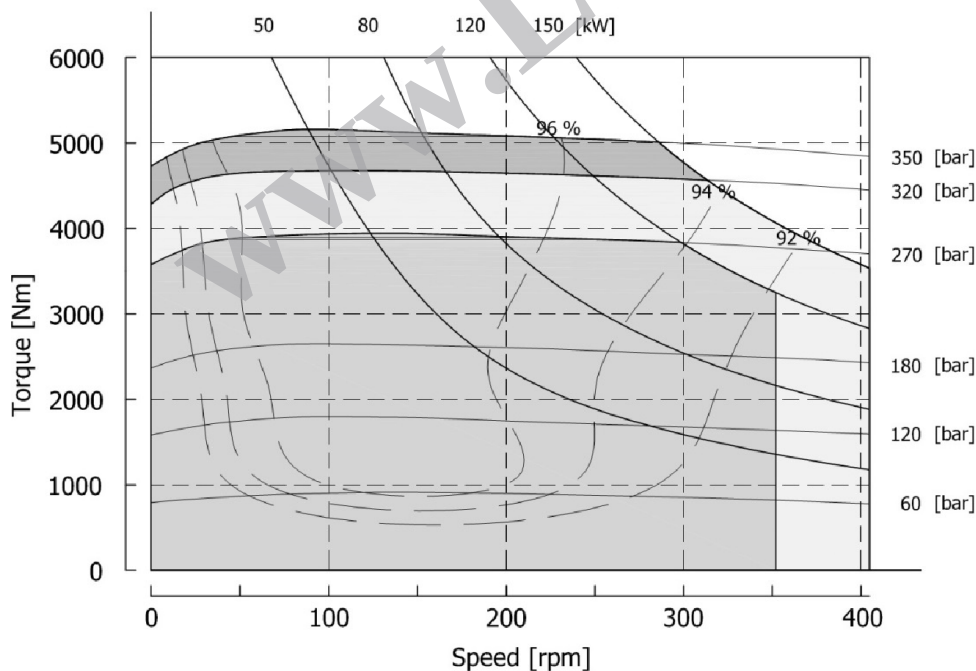
### Performance Curves

#### IAM•HD 800 H4



|   |                                                                                    |
|---|------------------------------------------------------------------------------------|
| 1 | Continuous operation                                                               |
| 2 | Intermittent operation: permitted on a 15% duty cycle for a maximum 5 min period   |
| 3 | Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes) |

#### IAM•HD 1000 H4



|   |                                                                                    |
|---|------------------------------------------------------------------------------------|
| 1 | Continuous operation                                                               |
| 2 | Intermittent operation: permitted on a 15% duty cycle for a maximum 5 min period   |
| 3 | Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes) |