

# IAM SERIES

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## H4 MODELS

### INDEX

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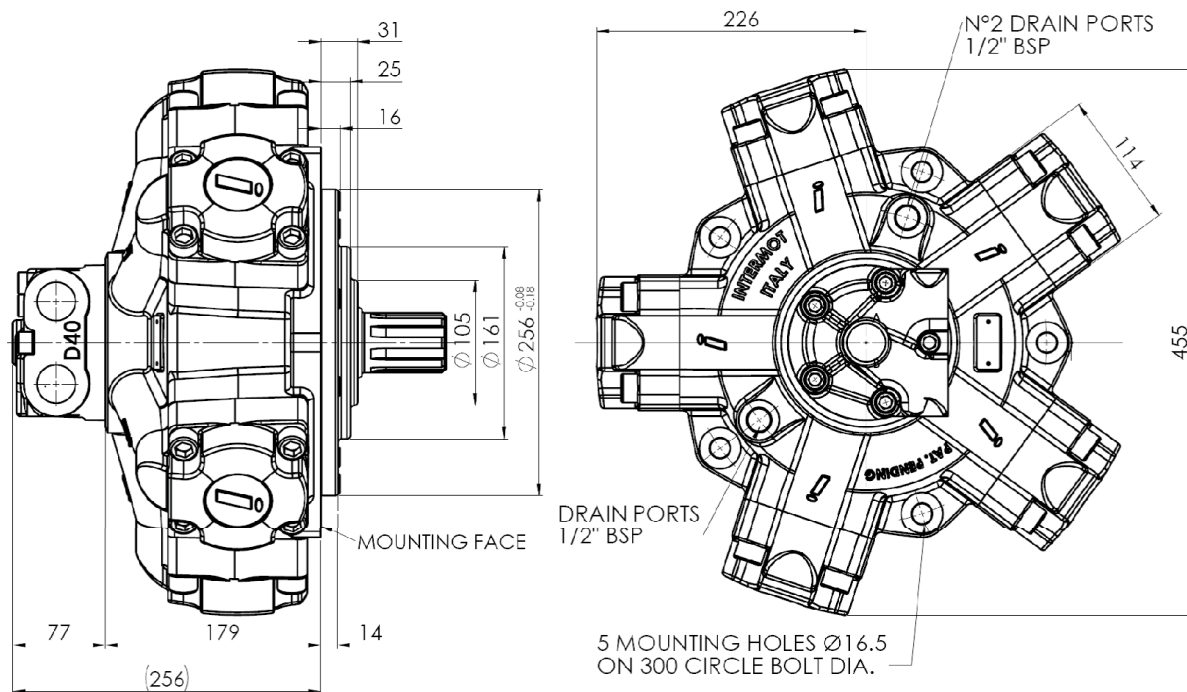
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## IAM H4 - TECHNICAL DATA

| MODEL  | N° of pistons | Displacement | Specific Torque | Pressure  |          |      | Speed          |      | Max Case Pressure | Max Power | Dry Weight | Inertia moment of rotating parts |                    |     |
|--------|---------------|--------------|-----------------|-----------|----------|------|----------------|------|-------------------|-----------|------------|----------------------------------|--------------------|-----|
|        |               |              |                 | Max Cont. | Max Int. | Peak | Max Continuous | Peak |                   |           |            |                                  |                    |     |
|        |               | cc/rev       | Nm/bar          | bar       | bar      | bar  | rpm            | rpm  | bar               | hp        | kW         | kg                               | kg cm <sup>2</sup> |     |
| IAM H4 | 700           | 5            | 707             | 11,3      | 250      | 300  | 350            | 500  | 580               | 6         | 107        | 80                               | 92                 | 267 |
|        | 800           | 5            | 764             | 12,2      | 250      | 300  | 350            | 450  | 530               | 6         | 107        | 80                               | 92                 | 267 |
|        | 850           | 5            | 847             | 13,5      | 250      | 300  | 350            | 450  | 530               | 6         | 107        | 80                               | 92                 | 267 |
|        | 900           | 5            | 877             | 14,0      | 250      | 300  | 350            | 450  | 530               | 6         | 107        | 80                               | 92                 | 267 |
|        | 1000          | 5            | 966             | 15,4      | 250      | 300  | 350            | 330  | 400               | 6         | 107        | 80                               | 92                 | 267 |
|        | 1100          | 5            | 1093            | 17,4      | 250      | 300  | 350            | 330  | 400               | 6         | 107        | 80                               | 92                 | 267 |
|        | 1200          | 5            | 1193            | 19,0      | 250      | 300  | 350            | 300  | 350               | 6         | 107        | 80                               | 92                 | 267 |
|        | 1300          | 5            | 1333            | 21,2      | 250      | 300  | 350            | 250  | 300               | 6         | 107        | 80                               | 92                 | 267 |
|        | 1400          | 5            | 1406            | 22,4      | 250      | 300  | 350            | 230  | 280               | 6         | 107        | 80                               | 92                 | 267 |

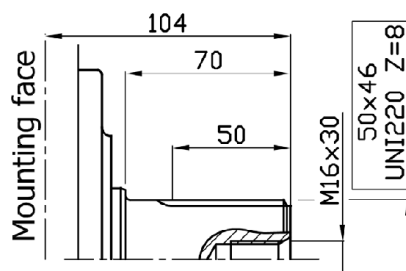
# IAM H4 - DIMENSIONAL DRAWINGS

**IAE 700 – 800 – 850 – 900 – 1000 – 1100 – 1200 – 1300 – 1400 H4**

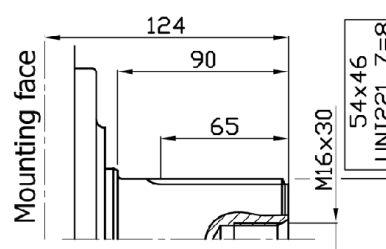


## SHAFT OPTIONS

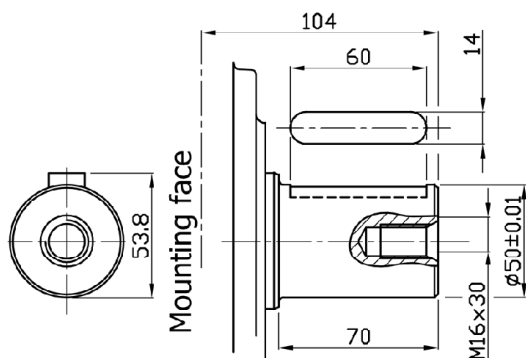
A0: Standard splined shaft



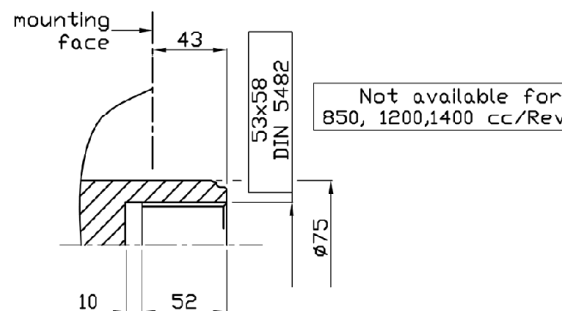
A1: Splined shaft on request



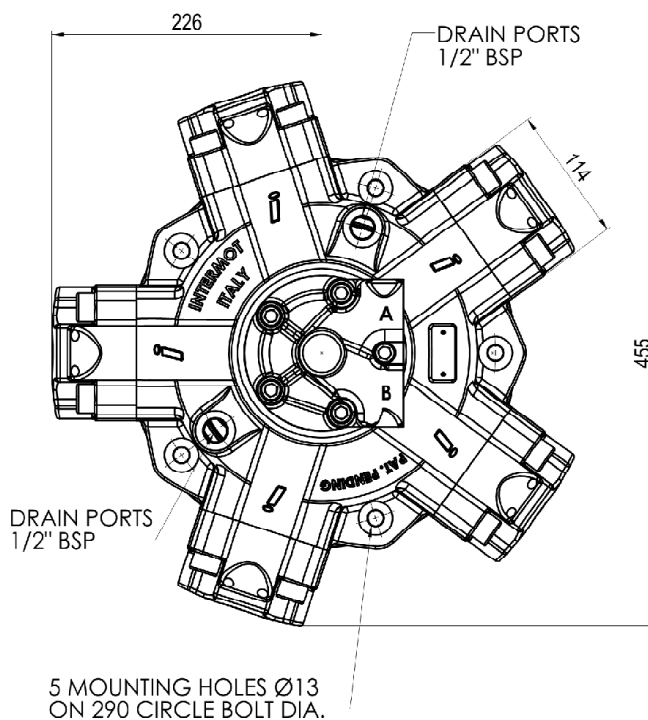
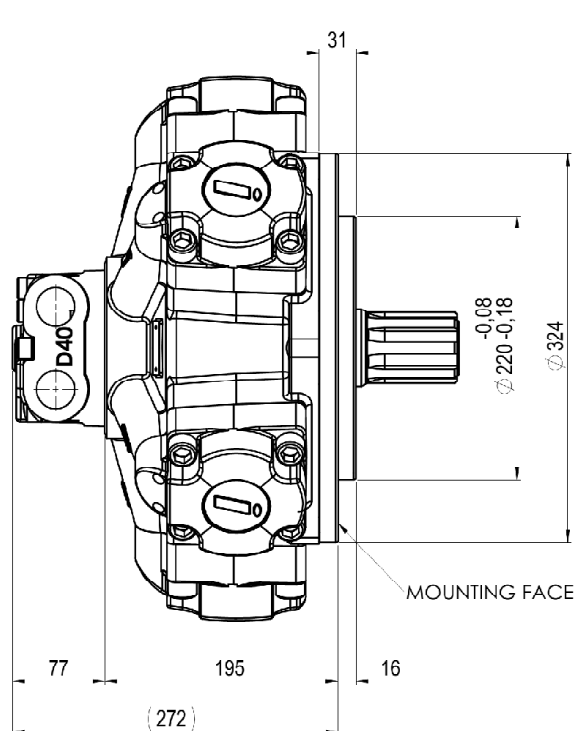
A2: Parallel shaft on request



A3: Female shaft on request

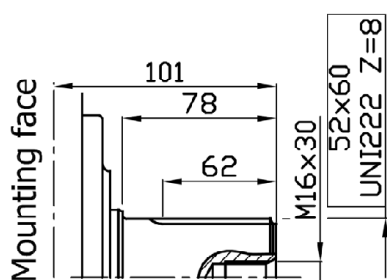


# **IAM 700/C – 800/C H4**

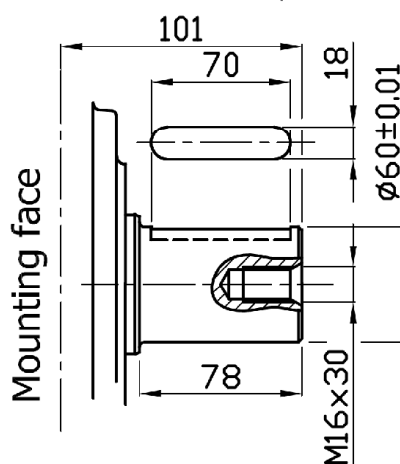


## **SHAFT OPTIONS**

A0: Standard splined shaft

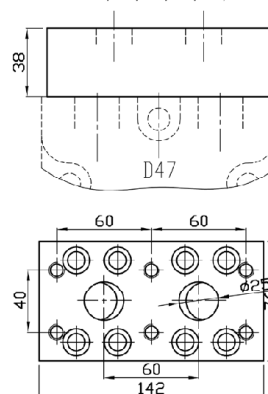


A2: Parallel shaft on request

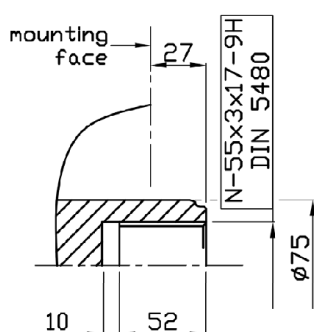


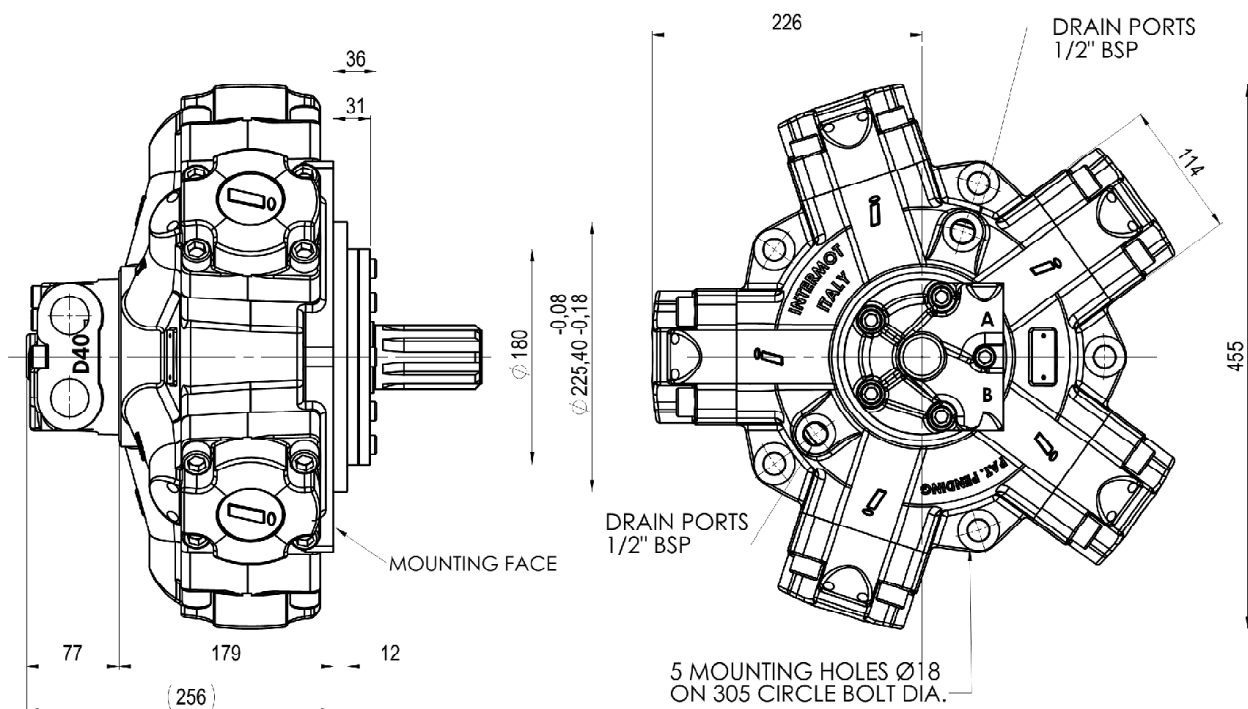
FL2: Connection block

Connection block, fitting D47 distributor, for motor MR 350/450/500/600/700/800



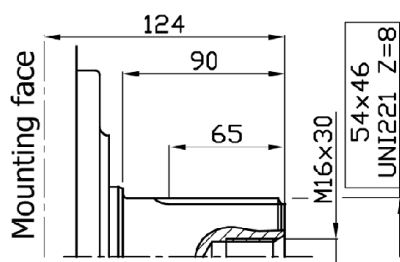
A3: Female shaft on request



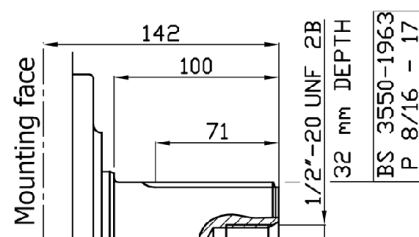
**IAM 800/B45 H4**

## SHAFT OPTIONS

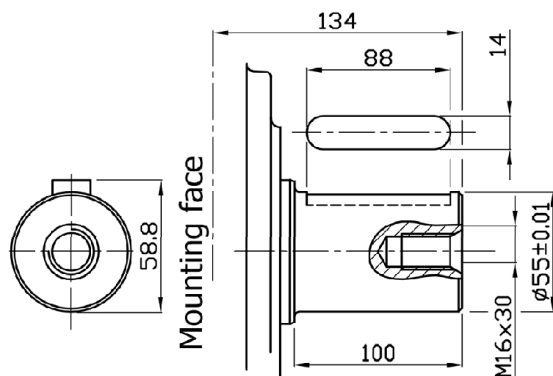
A0: Standard splined shaft



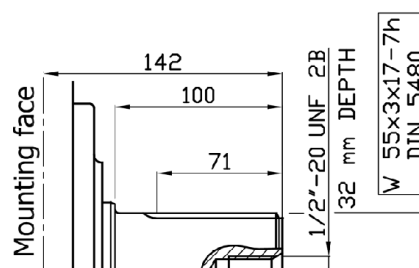
A1: Splined shaft on request



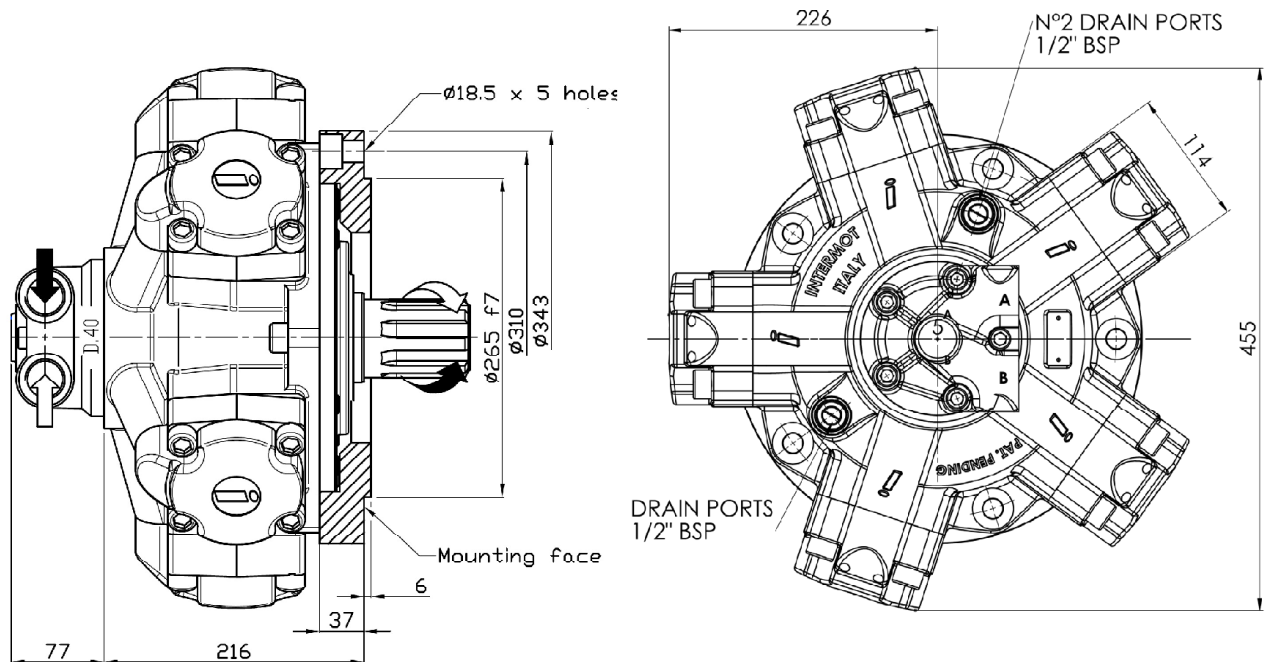
A2: Parallel shaft on request



A4: Splined shaft on request

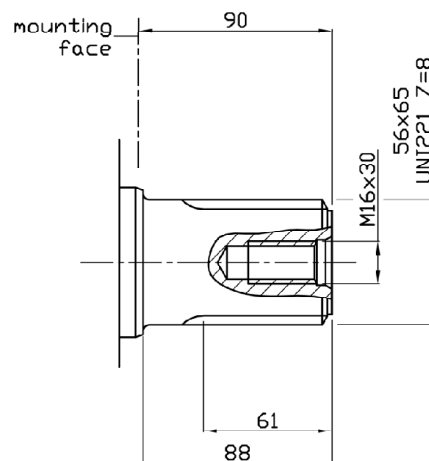


**IAM 700/GM4 - 800/GM4 - 900/GM4 - 1000/GM4 - 1100/GM4 – 1250/GM4 H4**

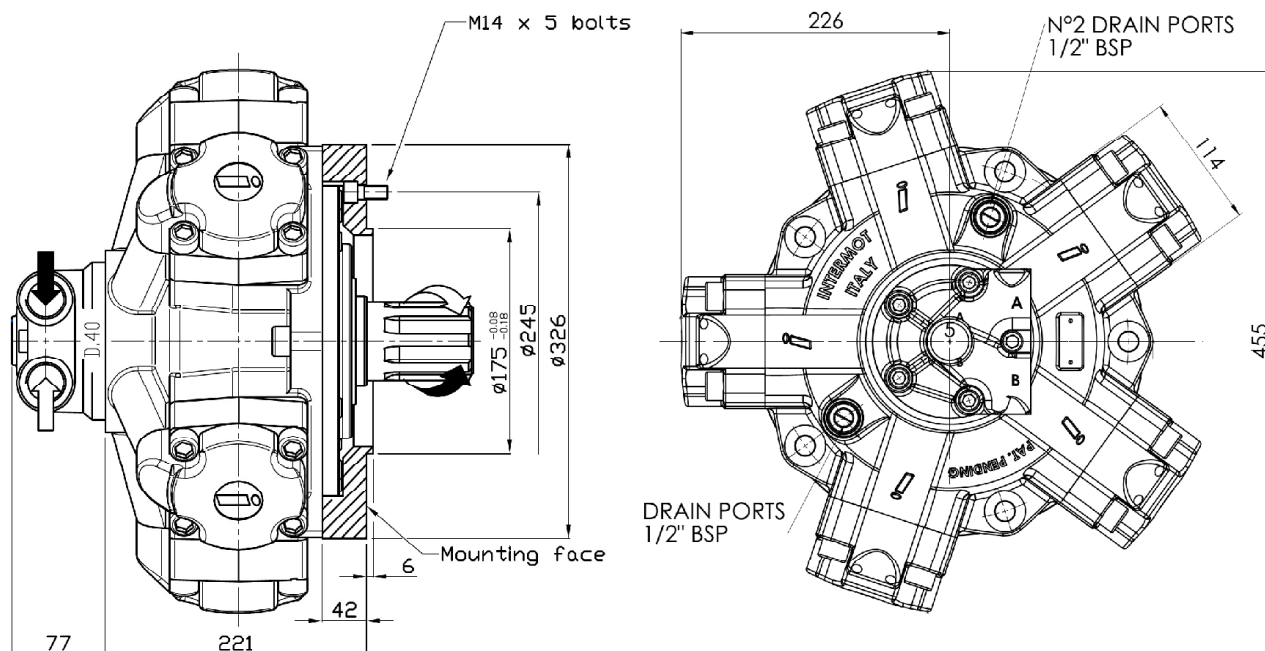


**SHAFT OPTIONS**

A0: Standard splined shaft



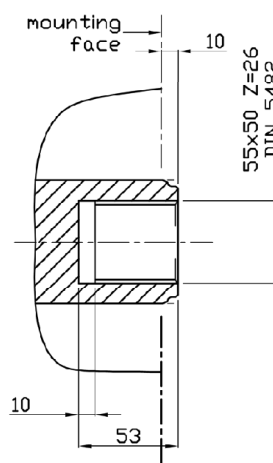
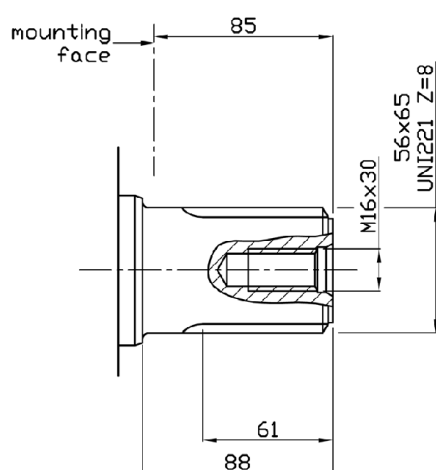
# IAM 700/S - 800/S - 900/S - 1000/S - 1100/S – 1250/S H4



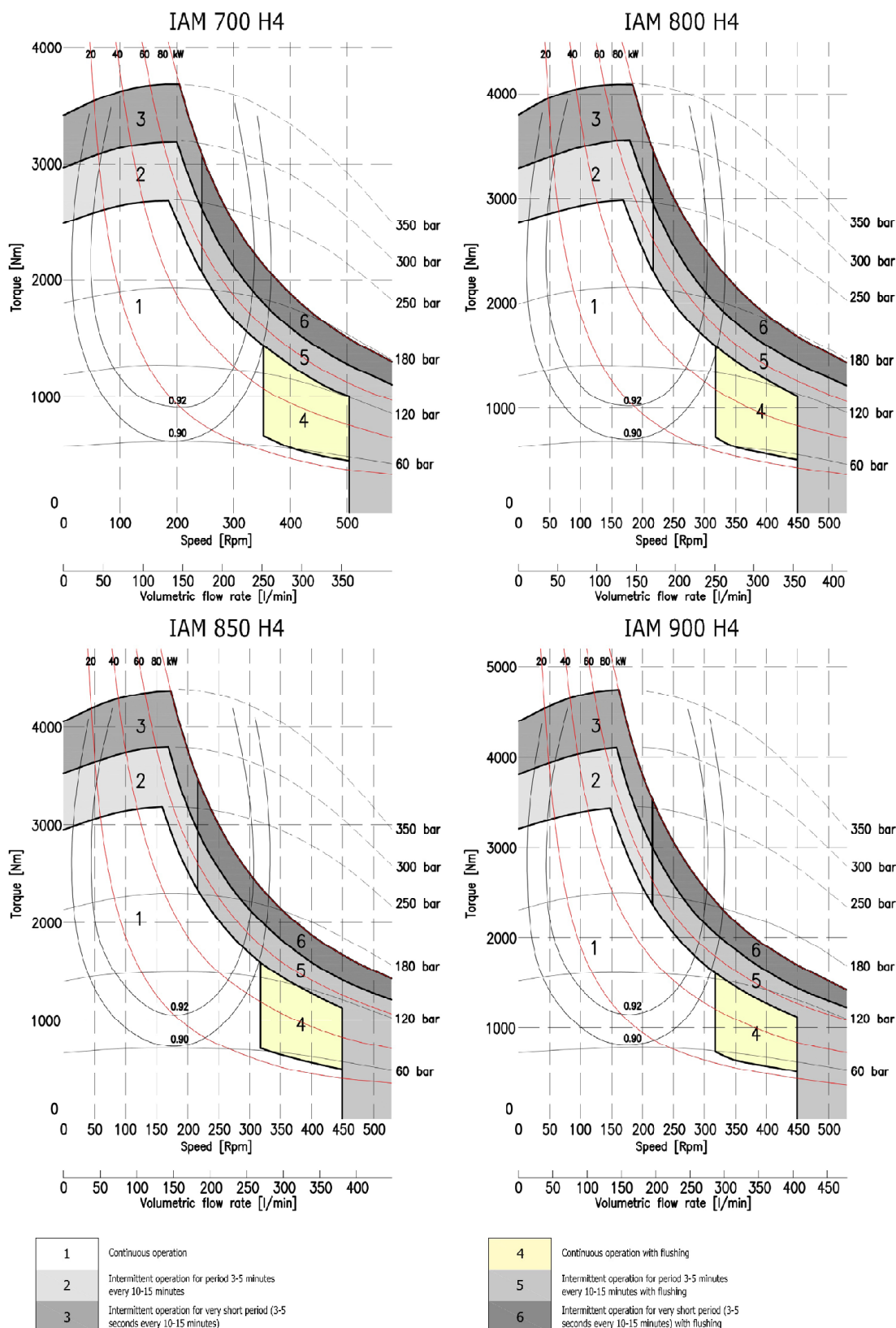
## SHAFT OPTIONS

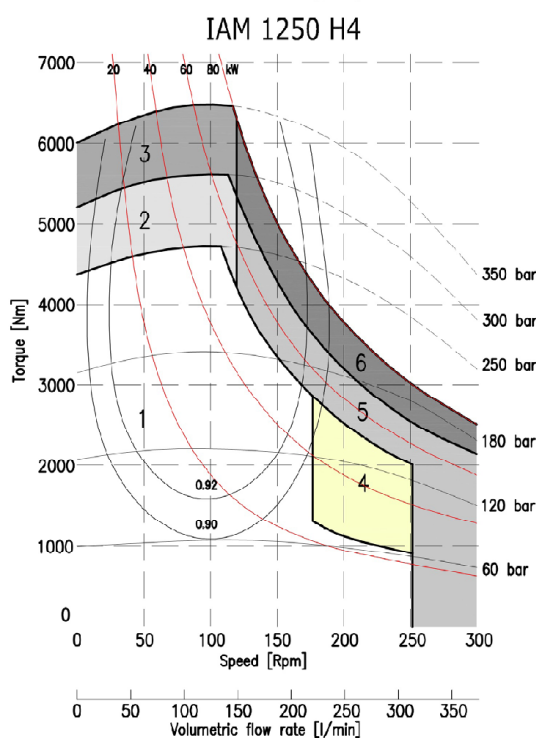
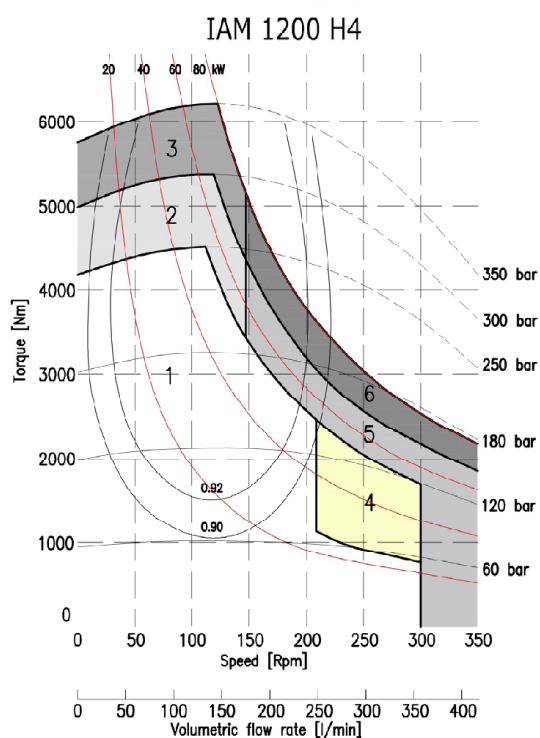
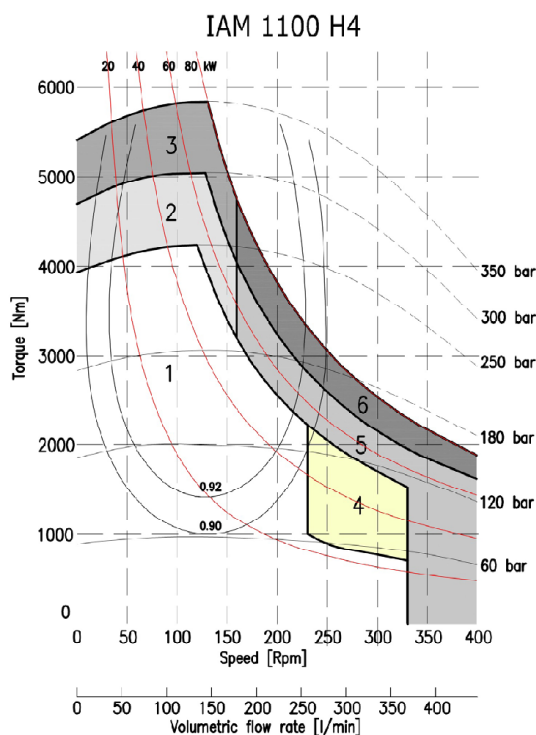
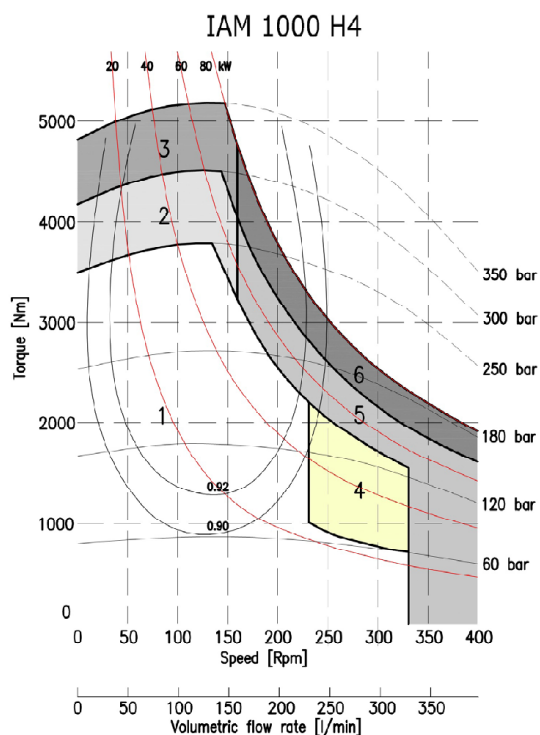
A0: Standard splined shaft

A3: Female shaft on request



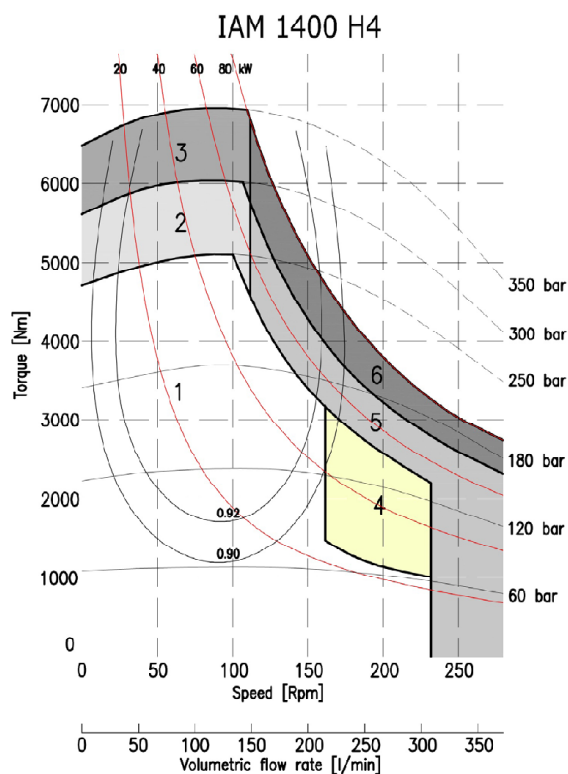
# IAM H4 - POWER CHARTS





|   |                                                                                |
|---|--------------------------------------------------------------------------------|
| 1 | Continuous operation                                                           |
| 2 | Intermittent operation for period 3-5 minutes every 10-15 minutes              |
| 3 | Intermittent operation for very short period (3-5 seconds every 10-15 minutes) |

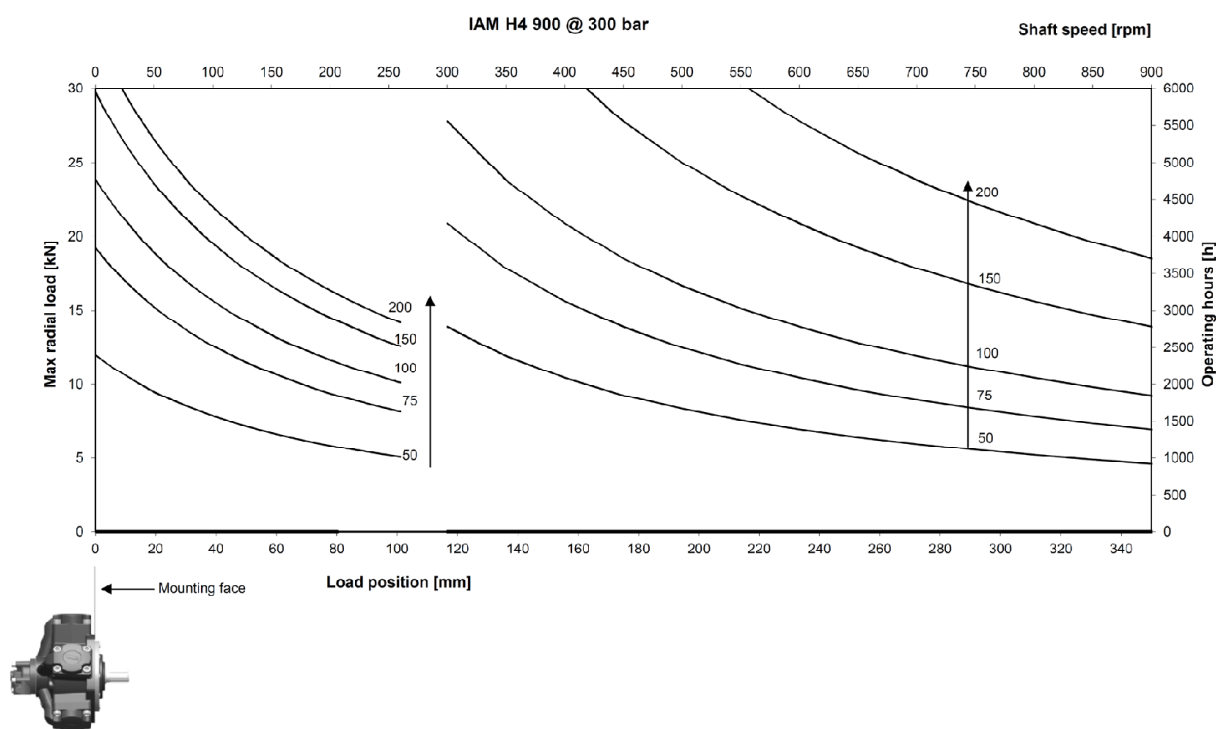
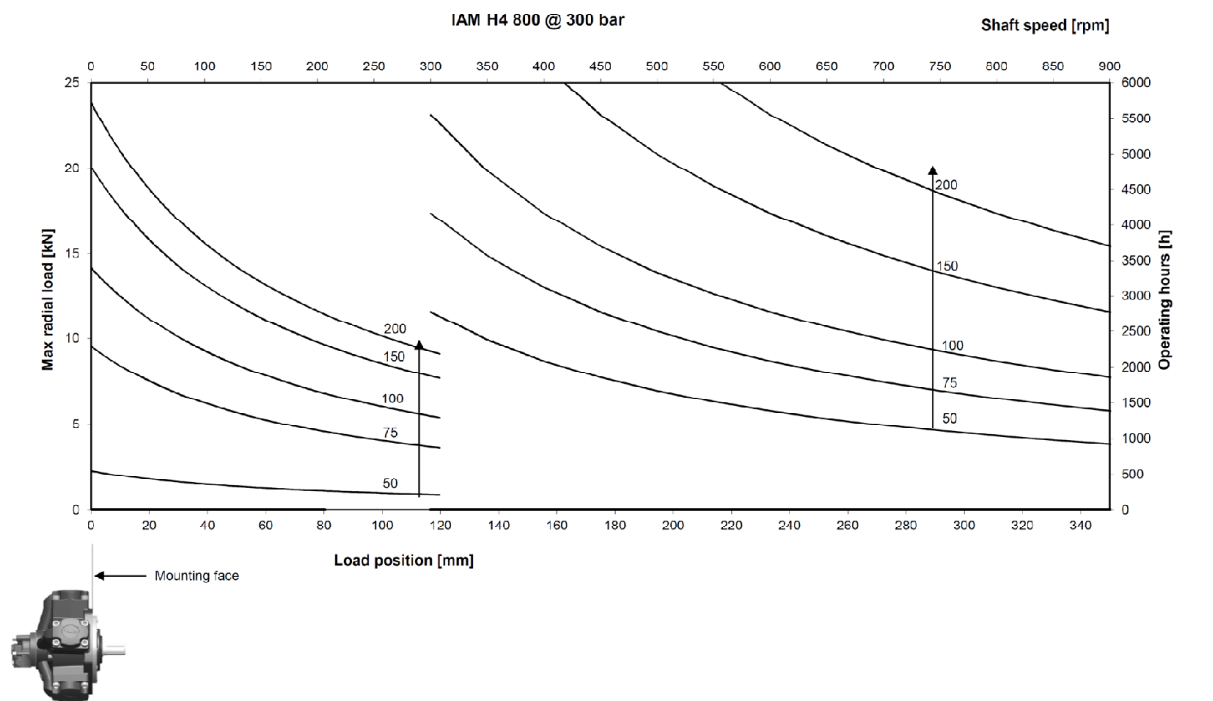
|   |                                                                                              |
|---|----------------------------------------------------------------------------------------------|
| 4 | Continuous operation with flushing                                                           |
| 5 | Intermittent operation for period 3-5 minutes every 10-15 minutes with flushing              |
| 6 | Intermittent operation for very short period (3-5 seconds every 10-15 minutes) with flushing |

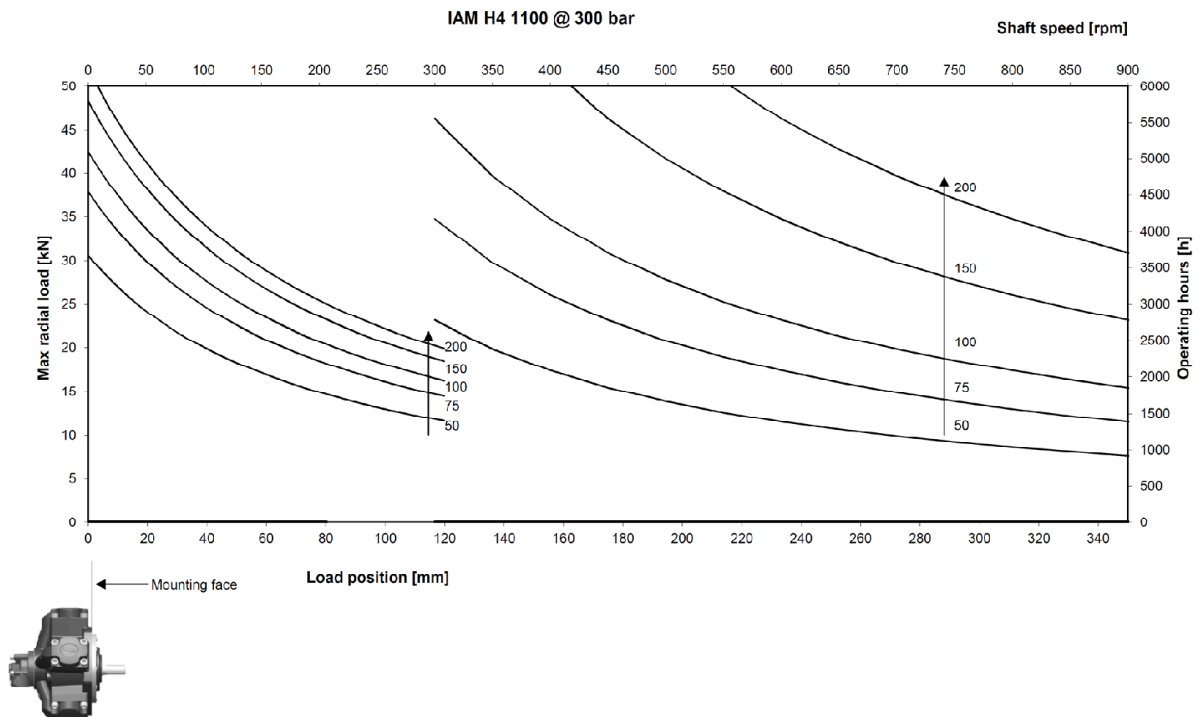
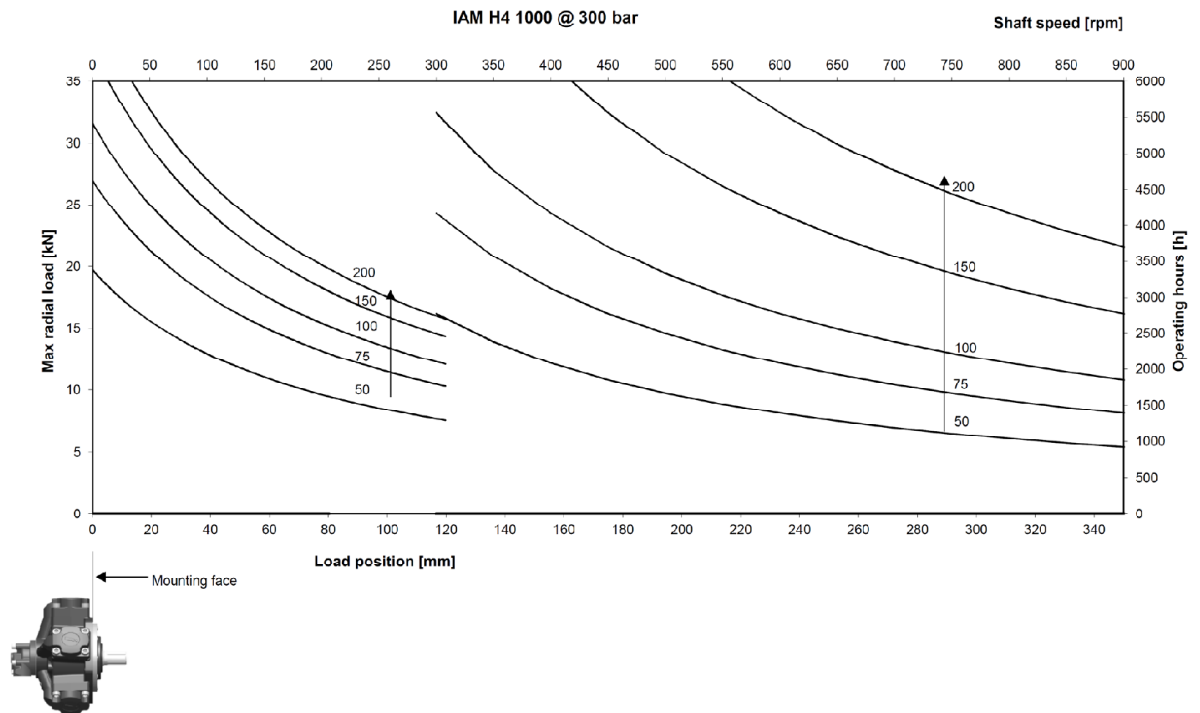


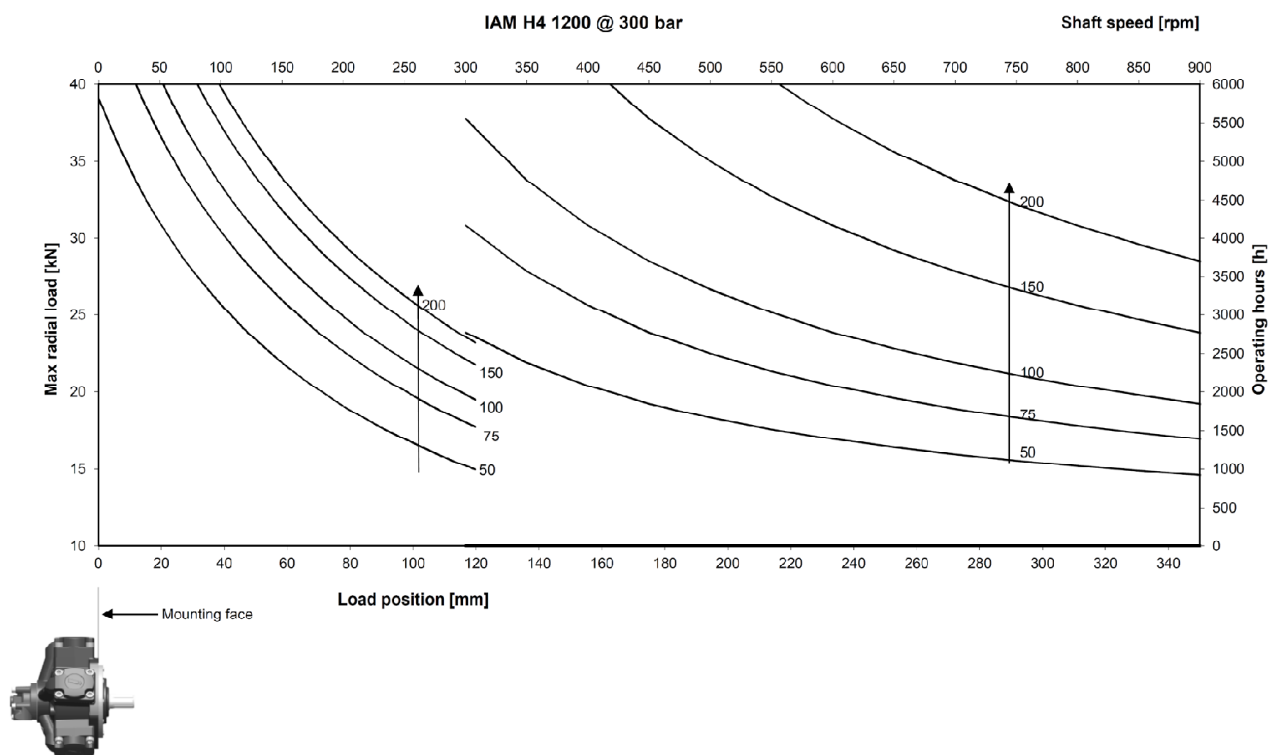
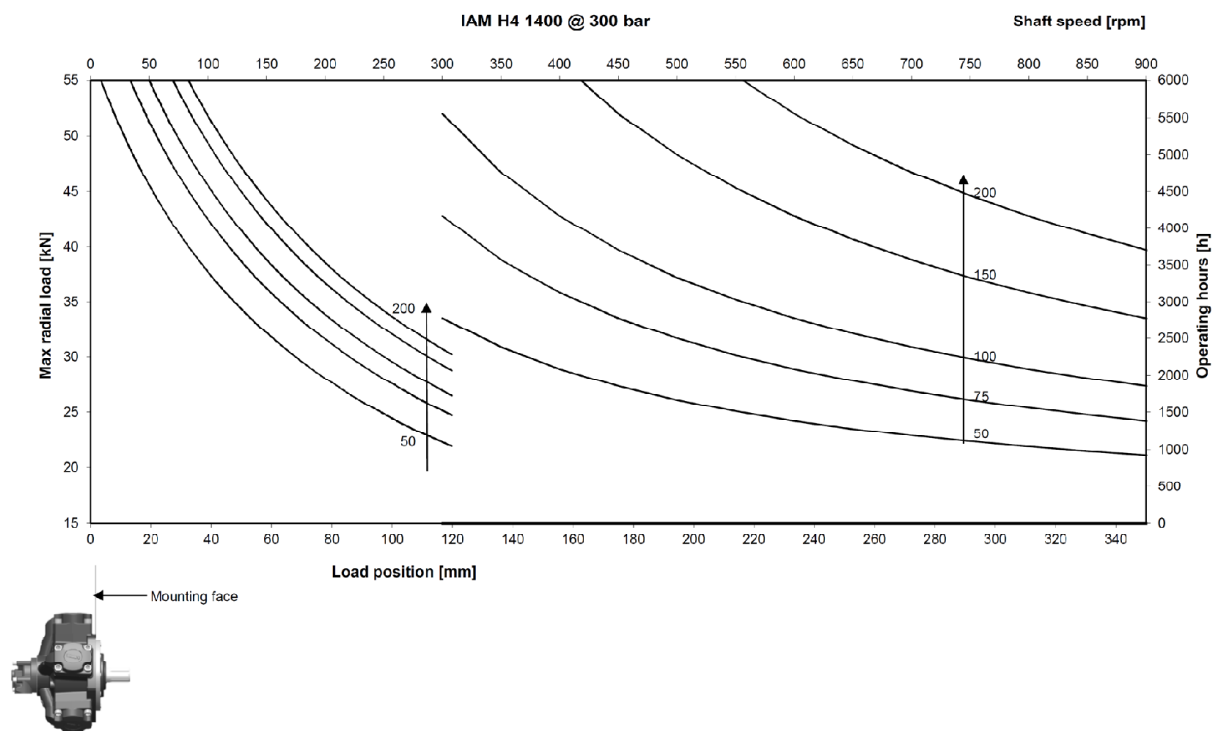
|   |                                                                                |
|---|--------------------------------------------------------------------------------|
| 1 | Continuous operation                                                           |
| 2 | Intermittent operation for period 3-5 minutes every 10-15 minutes              |
| 3 | Intermittent operation for very short period (3-5 seconds every 10-15 minutes) |

|   |                                                                                              |
|---|----------------------------------------------------------------------------------------------|
| 4 | Continuous operation with flushing                                                           |
| 5 | Intermittent operation for period 3-5 minutes every 10-15 minutes with flushing              |
| 6 | Intermittent operation for very short period (3-5 seconds every 10-15 minutes) with flushing |

# IAM H4 - SIDE LOAD CHARTS







## IAM H4 - ORDERING INSTRUCTIONS

| IAM                                                                                                                                                       | ---- | /---- | H4 | A _ | D ---- | ---- | SB -- |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----|-----|--------|------|-------|
| <b>Model</b><br>IAM                                                                                                                                       |      |       |    |     |        |      |       |
| <b>Displacement</b><br>700 cc/rev<br>800 cc/rev<br>850 cc/rev<br>900 cc/rev<br>1000 cc/rev<br>1100 cc/rev<br>1200 cc/rev<br>1300 cc/rev<br>1400 cc/rev    |      |       |    |     |        |      |       |
| <b>Interchangeability</b><br>/C<br>/B45<br>/GM4<br>/S                                                                                                     |      |       |    |     |        |      |       |
| <b>Housing</b><br>H4                                                                                                                                      |      |       |    |     |        |      |       |
| <b>Shaft</b><br>A0 – Standard splined shaft<br>A1 – Special splined shaft<br>A2 – Parallel keyed shaft<br>A3 – Female shaft<br>A4 – Special splined shaft |      |       |    |     |        |      |       |
| <b>Distributor</b><br>D31 – ¾" BSP<br>D31G – ¾" BSP<br>D310 – 1" BSP<br>D40 – 1" BSP<br>D47 – SAE 1" 3000 psi flange                                      |      |       |    |     |        |      |       |
| <b>Tachometer</b><br>TA<br>TB<br>EST<br>EST.30<br>J                                                                                                       |      |       |    |     |        |      |       |
| <b>Spline billet</b><br>SB4 – 46 UNI 220<br>SB5 – 46 UNI 221<br>SB16 - 52 UNI 222                                                                         |      |       |    |     |        |      |       |

EXAMPLE :

IAM 800 H4 A0 D40

IAM 700/C H4 A0 D40 TA SB16