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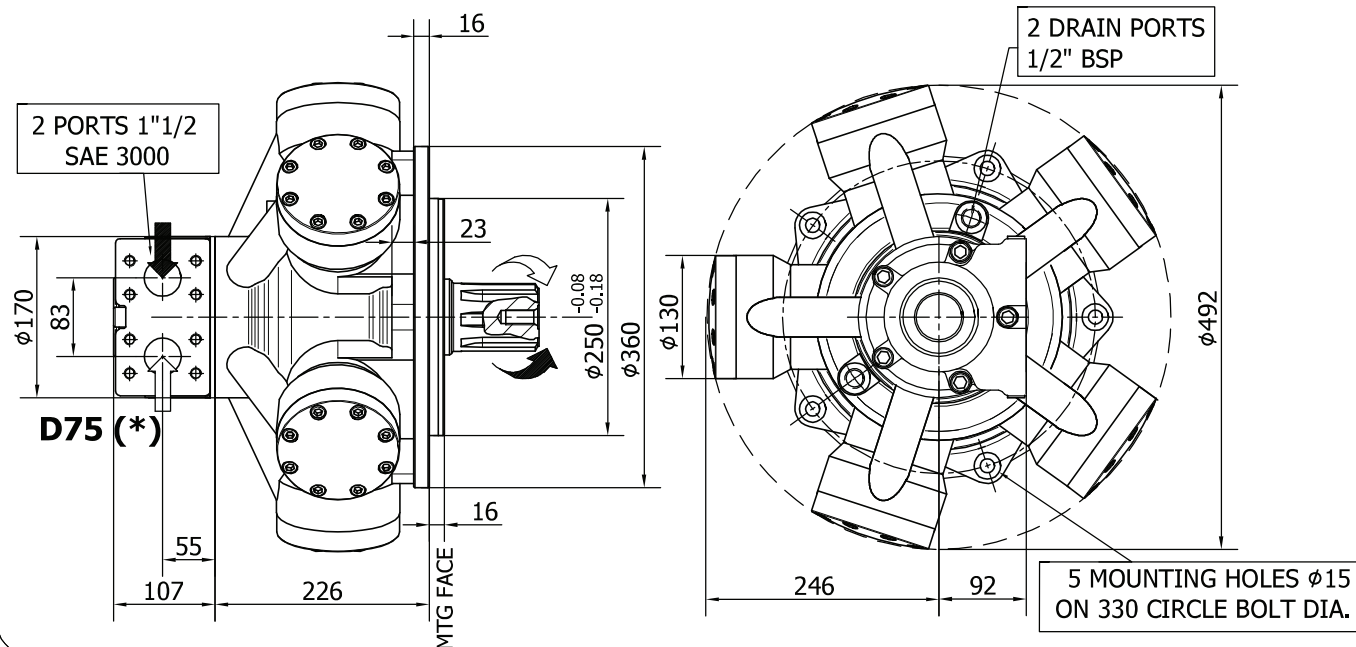
**ITALGROUP SRL**  
**IAMD SERIES - IAMD H45**  
**GENERAL CATALOGUE**  
**INDEX - IAMD H45**

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**INSTALLATION DRAWING**

Available distributor flange: **FL4**  
refer to page 156 (distributor fitting D75)



**TECHNICAL DATA**

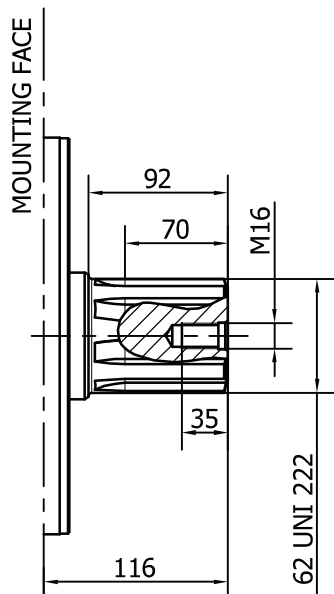
		<b>1100</b>	<b>1400</b>
DISPLACEMENT	[cc]	1182	1376
SPECIFIC TORQUE	[Nm/bar]	18.8	21.9
MAX. CONT. PRESSURE	[bar]	250	250
HYDROSTATIC TEST PRES- SURE	[bar]	420	420
MAX. CONT. SPEED	[rpm]	400	350
PEAK SPEED (***)	[rpm]	450	400
MAX. CONT. POWER (****)	[kW]	150	150
MAX. CONT. POWER WITH FLUSHING	[kW]	180	180
MAX. CASE PRESSURE	[bar]	6	6
DRY WEIGHT	[kg]	120	120
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70

- (\*) The standard distributor (D75) is shown. Please refer to distributors section (pag. 148-149) for different distributor interfaces.
- (\*\*) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (\*\*\*) Do not exceed maximum continuous power with flushing (see pag. 13).
- (\*\*\*\*) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required. For more information please contact our technical department.

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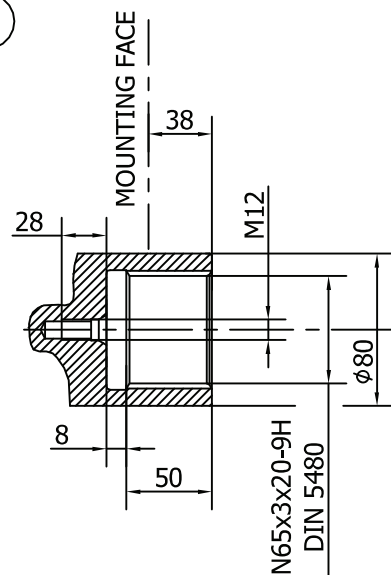
## SHAFT CONFIGURATIONS

**A0**



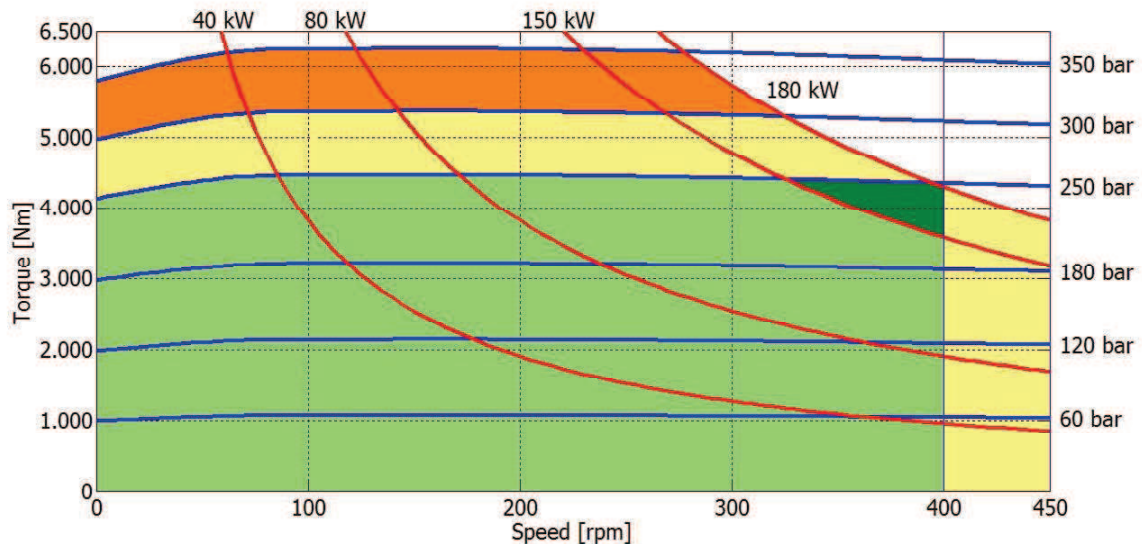
Available spline billet: **SB6**

**A3**

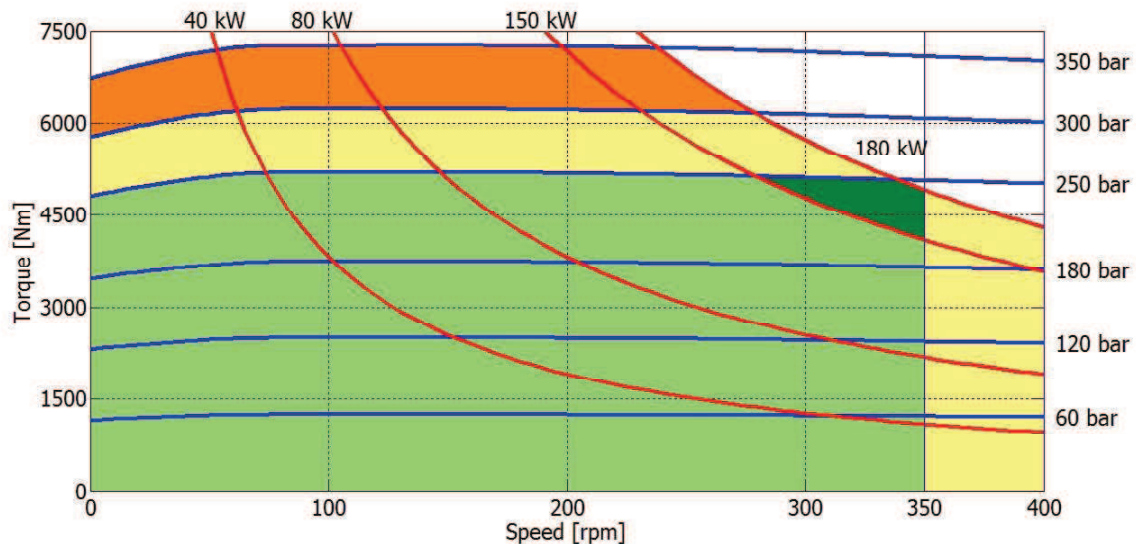


## IAMD H45 - PERFORMANCE DIAGRAMS

### 1100 cc



### 1400 cc

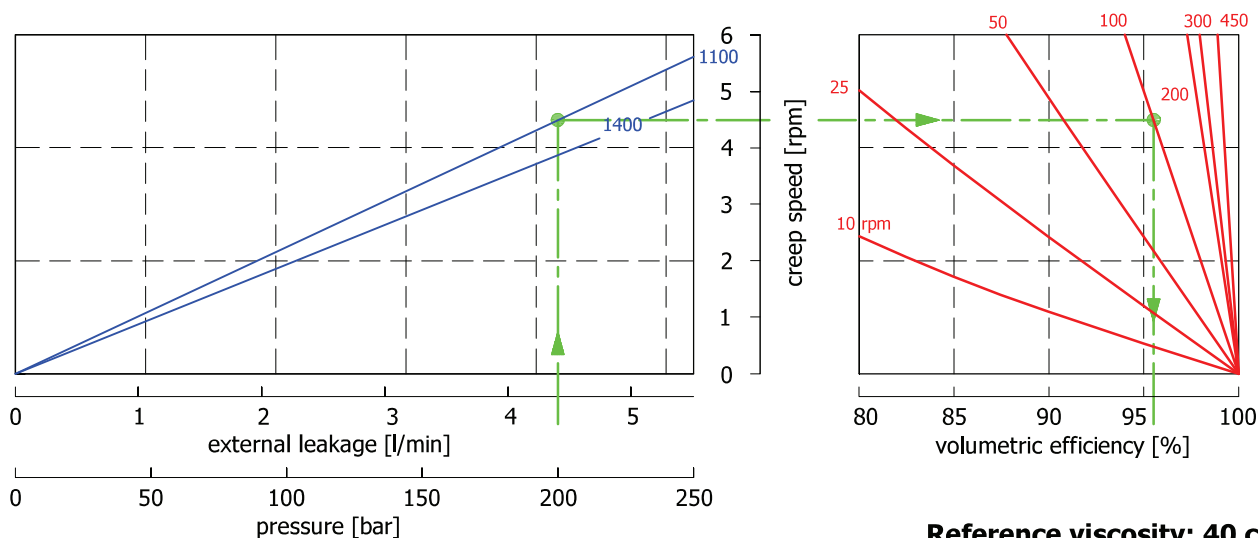


- Continuous operation
- Continuous operation with flushing or intermittent operation (see below for intermittent operation)
- Intermittent operation: permitted for a 15% of duty cycle, for 3 minutes maximum period
- Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

**The above diagrams are referring to the hydraulic motor working with a fluid in ideal conditions (viscosity at 40 cSt).** In case the working temperature increases and viscosity reach values under the recommended values (see hydraulic fluid recommendations) flushing must be performed or ISO oil grade must be changed. The working temperature must not overcome 70 °C.

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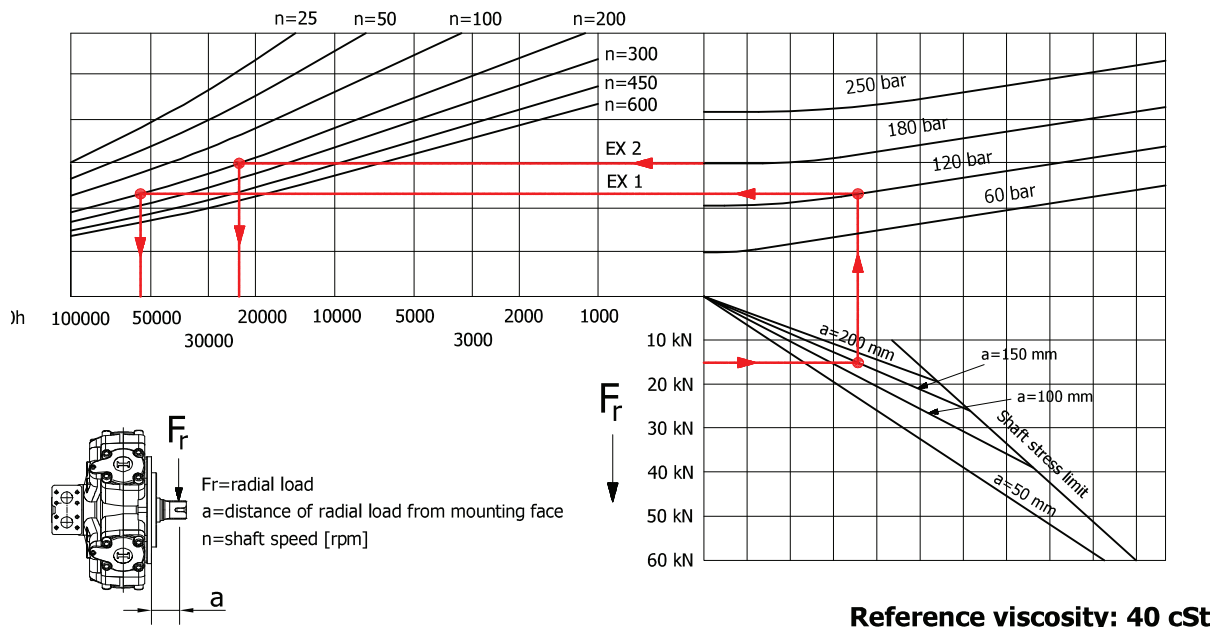
## CREEP SPEED - VOLUMETRIC EFFICIENCY



Example:

We suppose (1100 cc):  $p=200$  [bar], we obtain: external leakage 4,3 [l/min], shaft creep speed 4,5 [rpm].  
If we suppose (1100 cc):  $p=200$  [bar] and  $n=100$  [rpm] we obtain a volumetric efficiency of 95,5%;

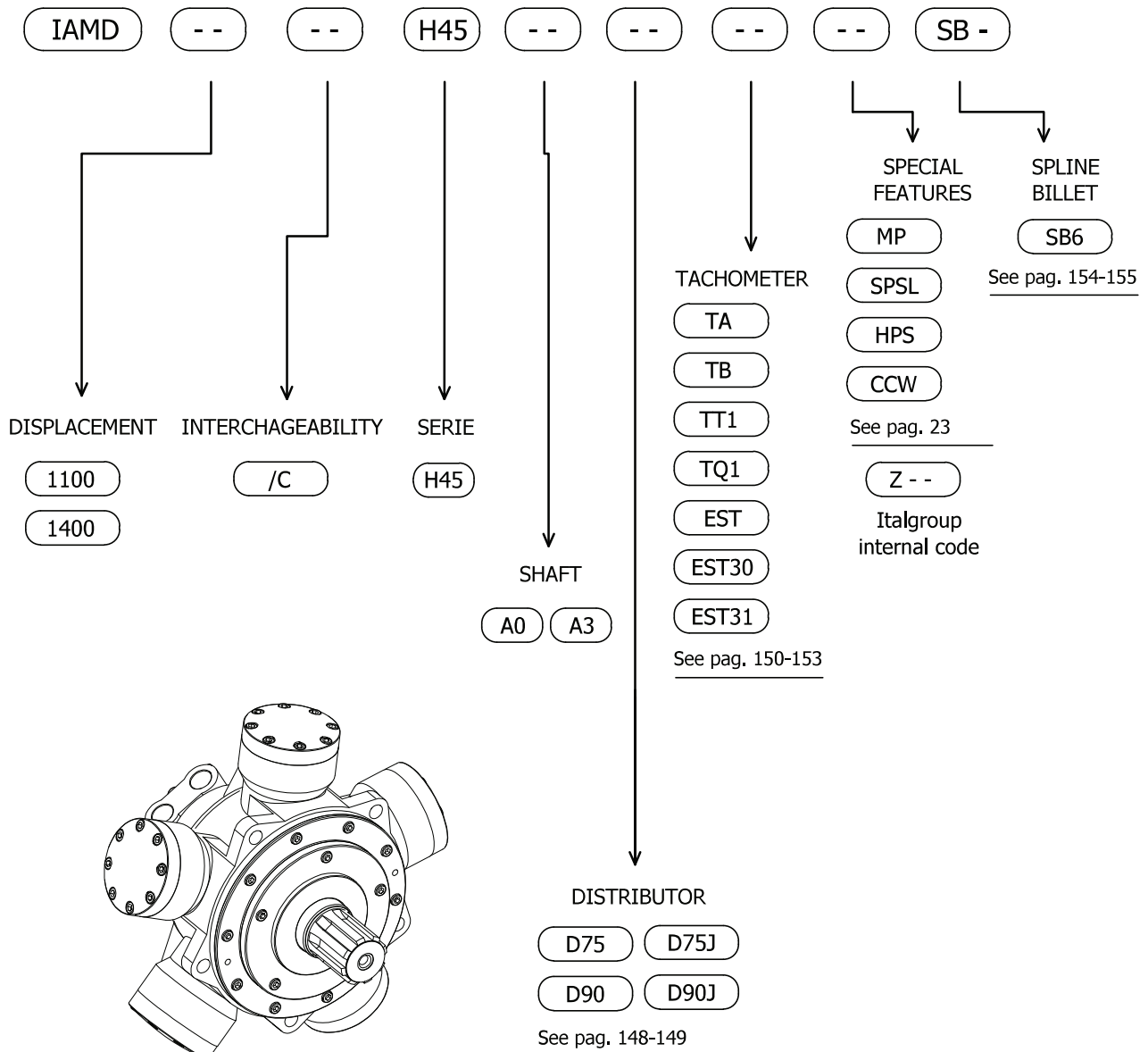
## BEARING LIFE



Example:

We suppose (EX2):  $p=180$  [bar],  $n=200$  [rpm]; we obtain an average lifetime of 22000 [h].  
If we suppose (EX1):  $F_r=15$  [kN],  $a=150$  [mm],  $n=200$  [rpm] and  $p=120$  [bar] we obtain an average lifetime of 51000 [h].

## IAMD H45 - ORDERING CODE



### EXAMPLES:

IAMD 1100/C H45 A3 D75J  
IAMD 1400/C H45 A0 D75 SB6  
IAMD 1400/C H45 A3 D75 SPSL