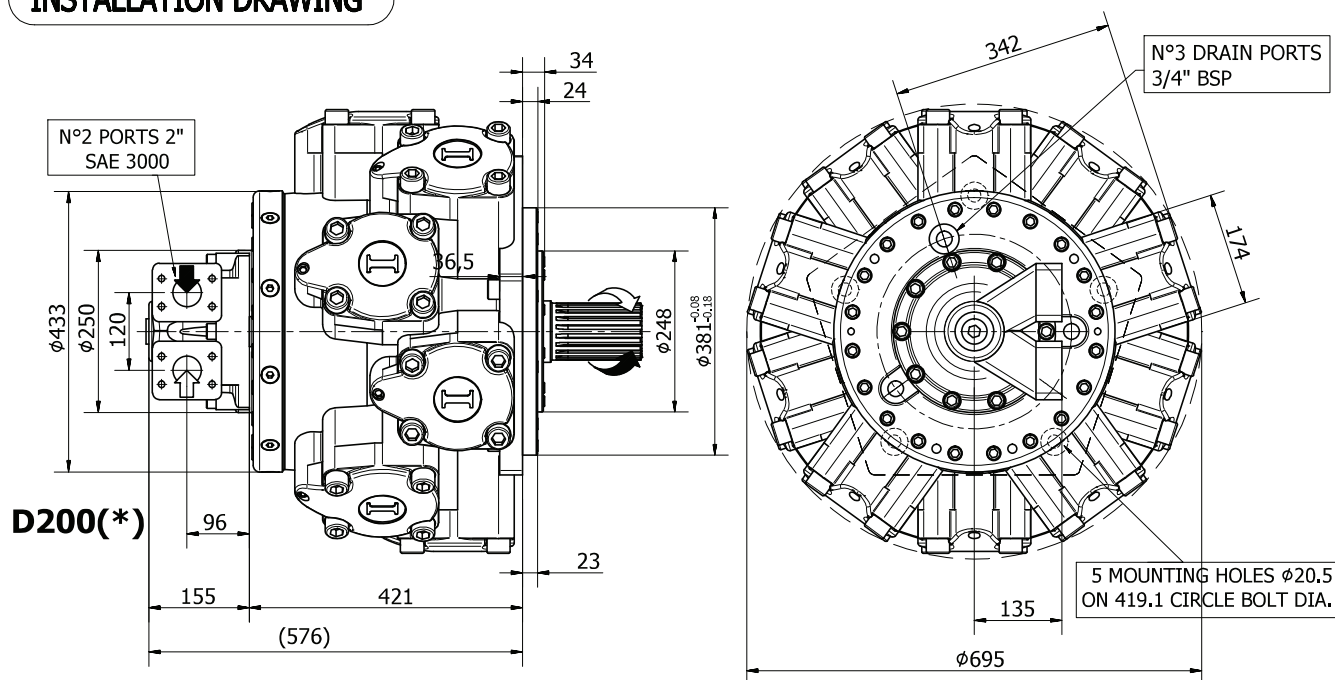

ITALGROUP SRL
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GENERAL CATALOGUE
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INSTALLATION DRAWING



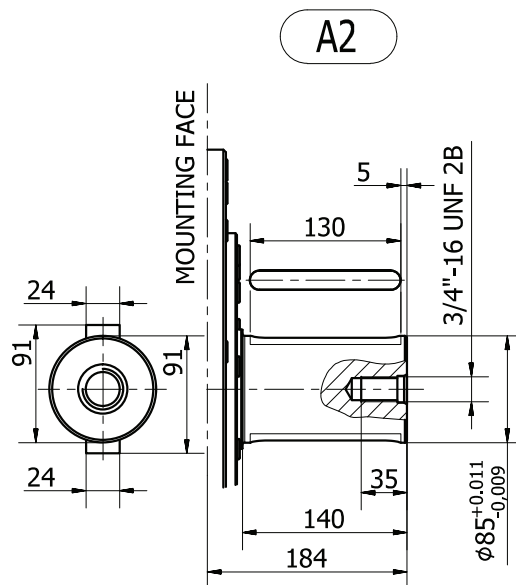
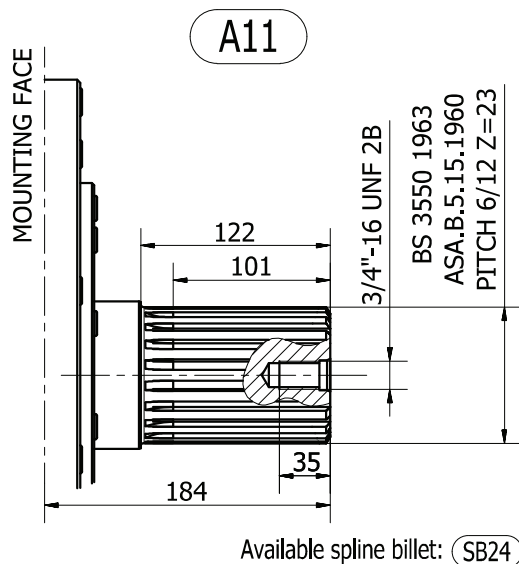
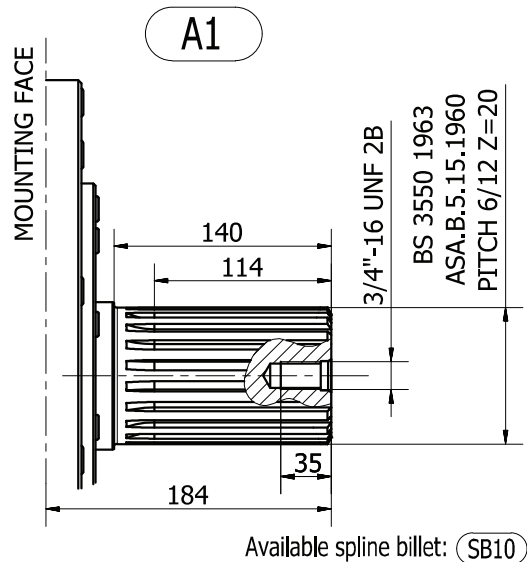
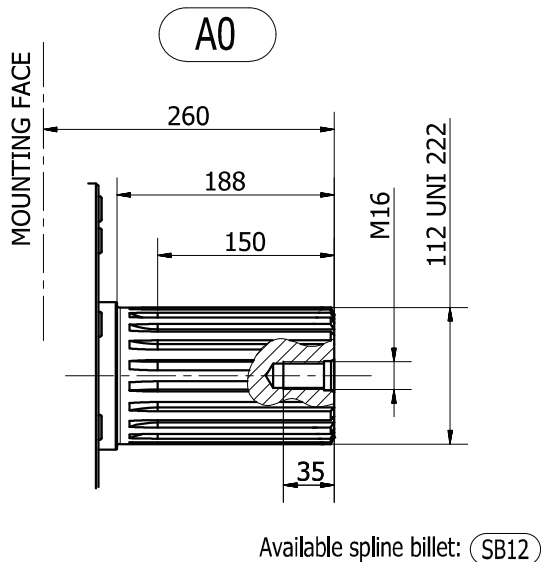
TECHNICAL DATA

		6000	6500	6800	7600	8000
DISPLACEMENT	[cc]	5966	6581	6962	7620	8062
SPECIFIC TORQUE	[Nm/bar]	95	104.7	110.8	121.3	128.3
MAX. CONT. PRESSURE	[bar]	250	250	250	190	180
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	120	120	120	90	80
PEAK SPEED (***)	[rpm]	140	140	140	100	90
MAX. CONT. POWER (****)	[kW]	200	200	200	200	178
MAX. CONT. POWER WITH FLUSHING	[kW]	225	225	225	225	225
MAX. CASE PRESSURE	[bar]	6	6	6	6	6
DRY WEIGHT	[kg]	590	590	590	590	590
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

- (*) The standard distributor (D200) is shown. Please refer to distributors section (pag. 148-149) for D200 distributor interface.
- (**) 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.

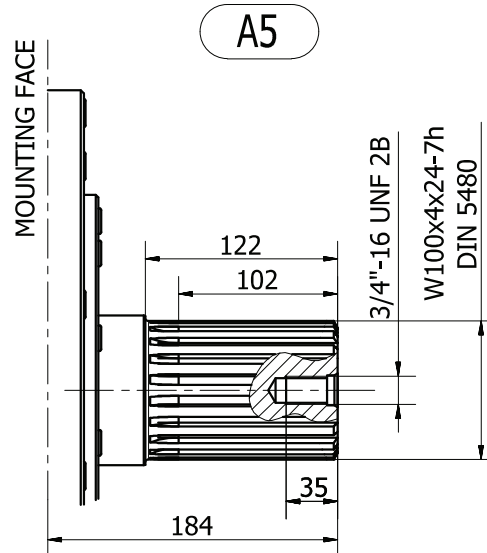
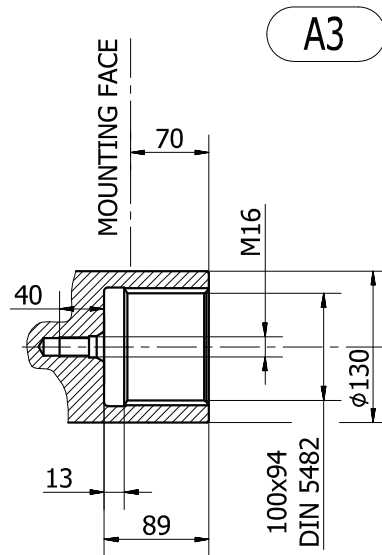
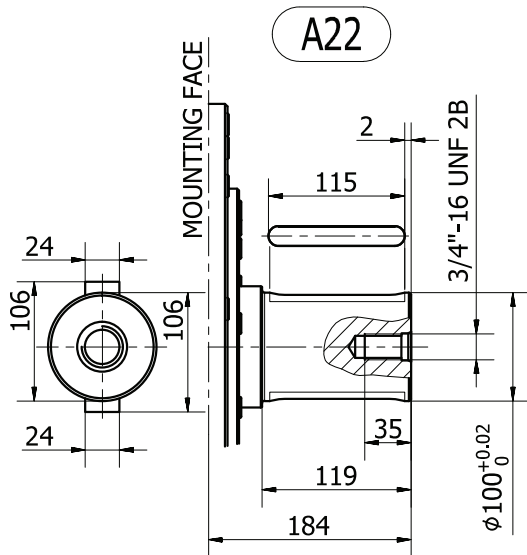
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SHAFT CONFIGURATIONS

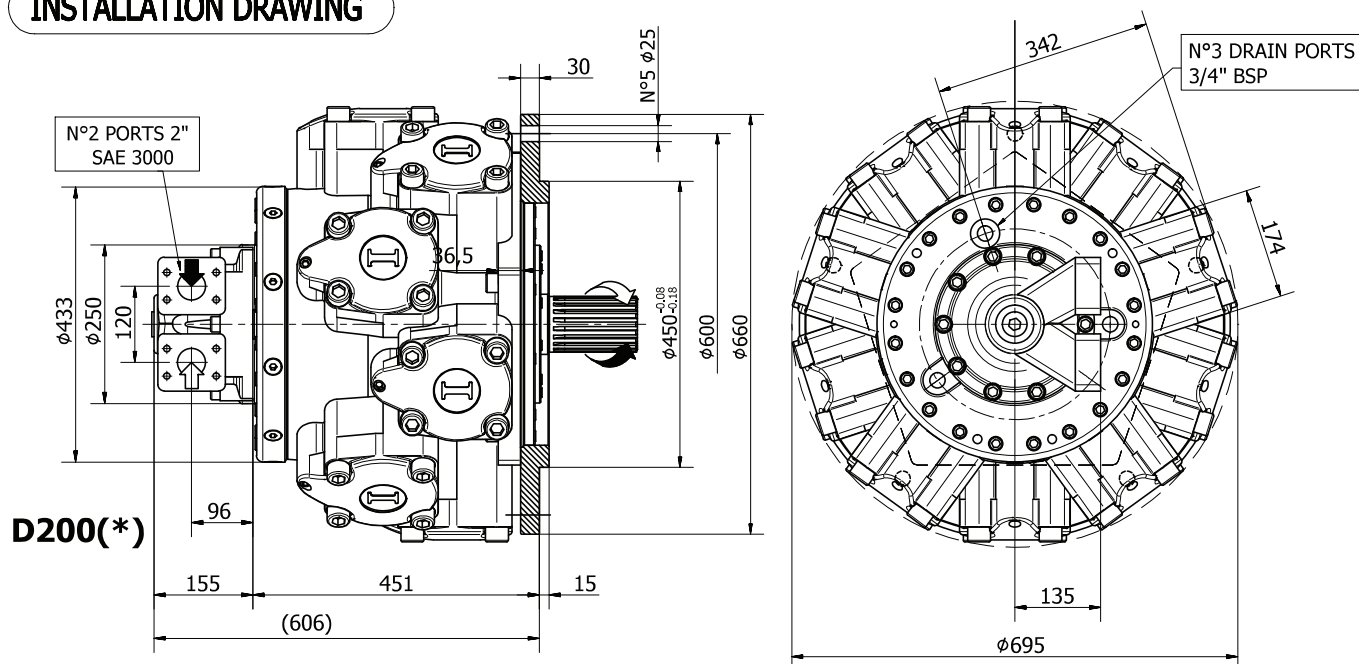


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SHAFT CONFIGURATIONS



INSTALLATION DRAWING



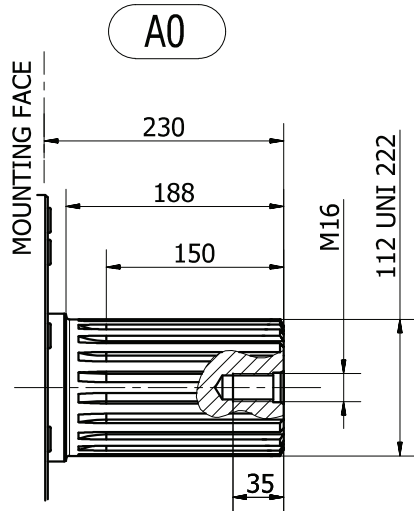
TECHNICAL DATA

		6000	6500	6800	7600	8000
DISPLACEMENT	[cc]	5966	6581	6962	7620	8062
SPECIFIC TORQUE	[Nm/bar]	95	104.7	110.8	121.3	128.3
MAX. CONT. PRESSURE	[bar]	250	250	250	190	180
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	120	120	120	90	80
PEAK SPEED (***)	[rpm]	140	140	140	100	90
MAX. CONT. POWER (****)	[kW]	200	200	200	200	178
MAX. CONT. POWER WITH FLUSHING	[kW]	225	225	225	225	225
MAX. CASE PRESSURE	[bar]	6	6	6	6	6
DRY WEIGHT	[kg]	590	590	590	590	590
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

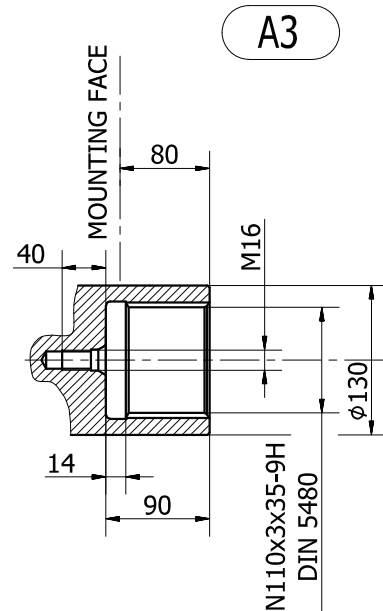
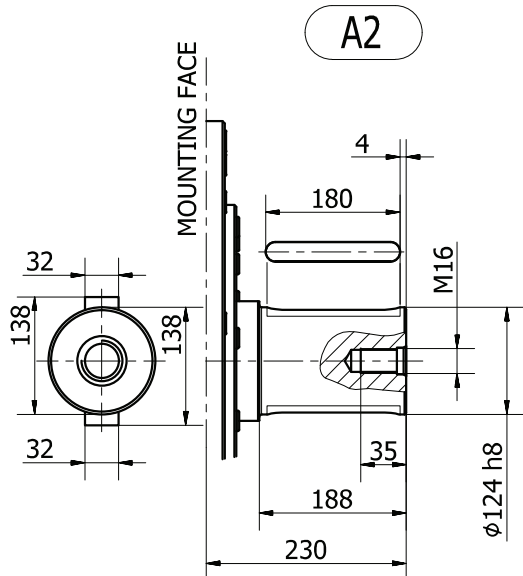
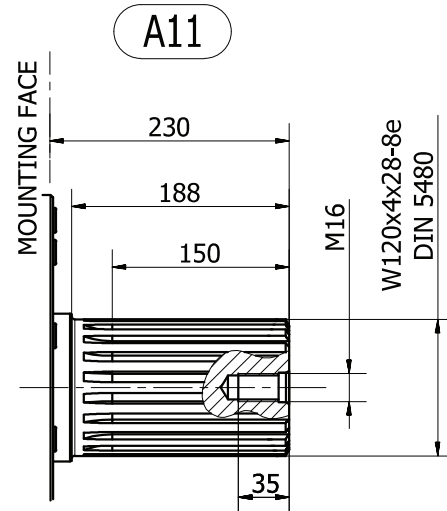
- (*) The standard distributor (D200) is shown. Please refer to distributors section (pag. 148-149) for D200 distributor interface.
- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (***) Do not exceed maximum continuous power with flushing (see pag. 13).
- (****) For motor operation 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

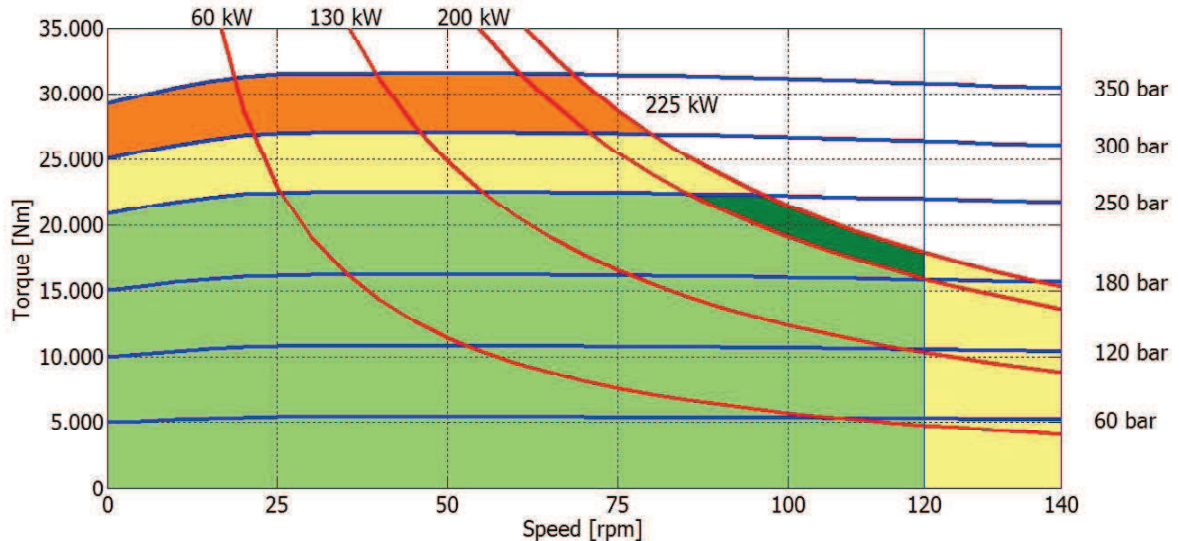


Available spline billet: **SB12**

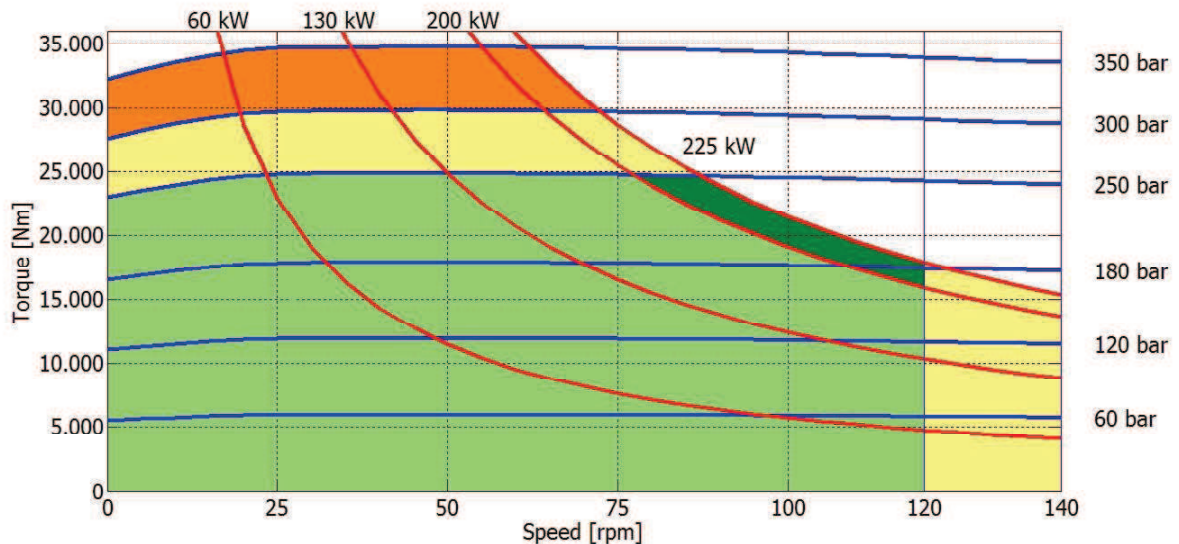


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6000 cc



6500 cc



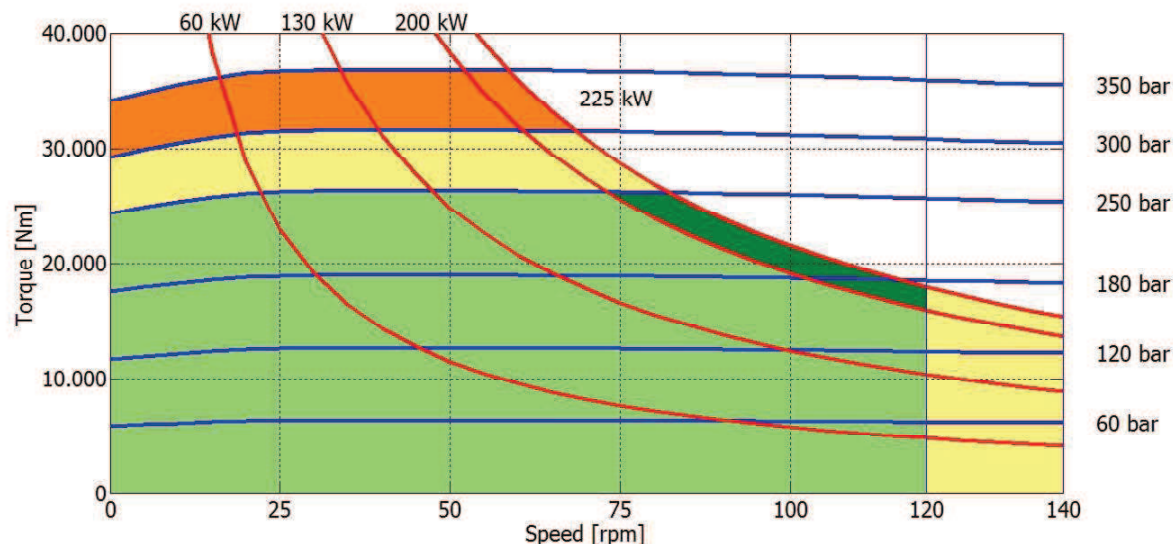
- Continuous operation
- Continuous operation with flushing or intermittent operation (see below for intermittent operation)
- Intermittent operation: permitted for a 15% of duty cycle, for 3 minutes maximum period
- Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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.

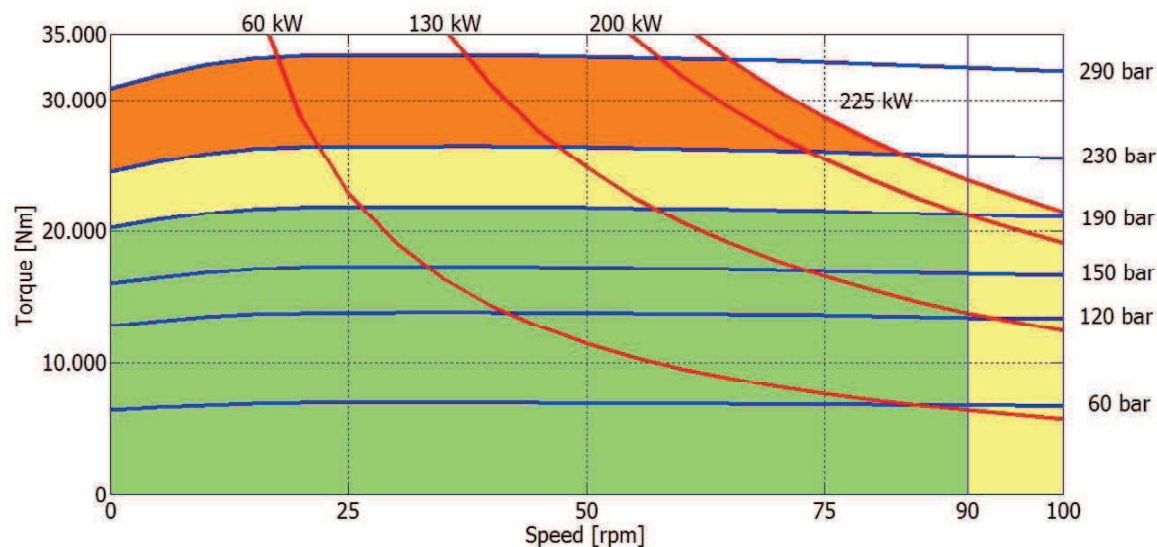
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IAMD H8 - PERFORMANCE DIAGRAMS

6800 cc



7600 cc



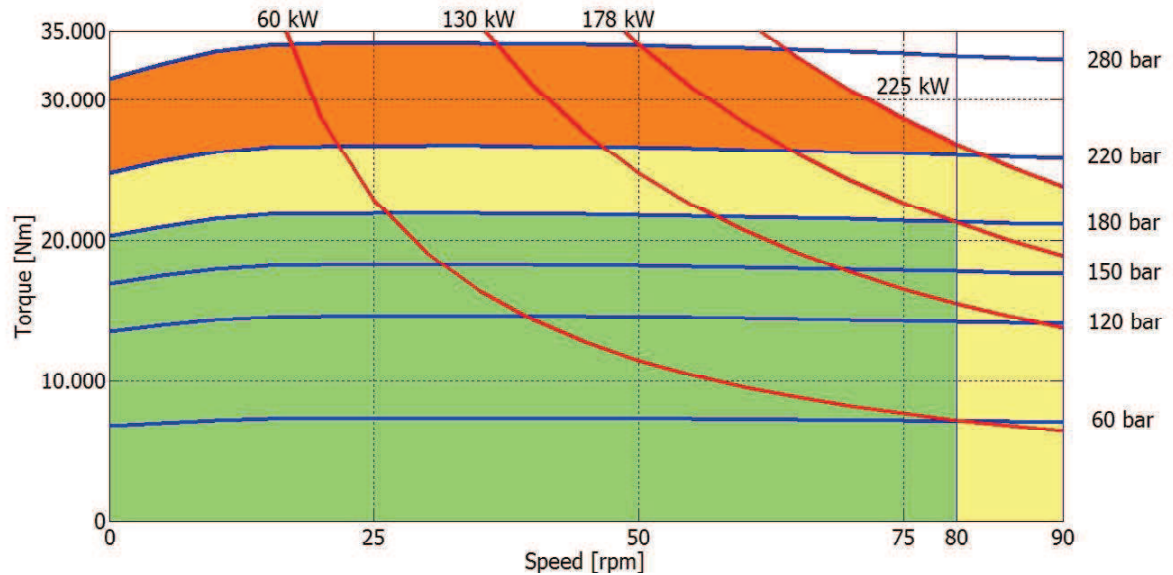
- Continuous operation
- Continuous operation with flushing or intermittent operation (see below for intermittent operation)
- Intermittent operation: permitted for a 15% of duty cycle, for 3 minutes maximum period
- Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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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IAMD H8 - PERFORMANCE DIAGRAMS

8000 cc

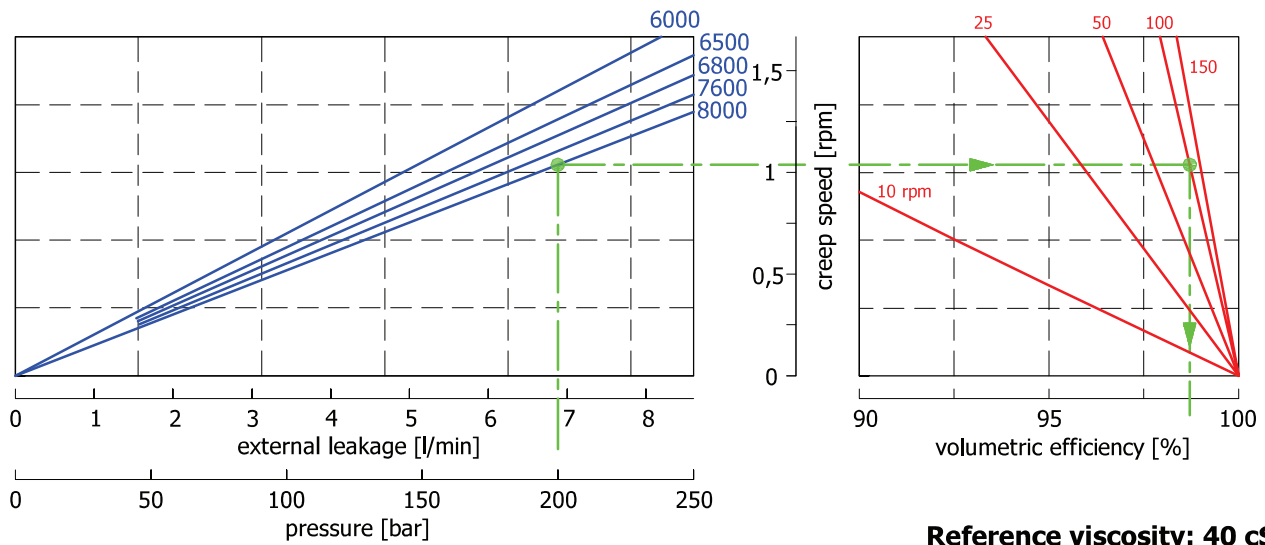


- Continuous operation
- Continuous operation with flushing or intermittent operation (see below for intermittent operation)
- Intermittent operation: permitted for a 15% of duty cycle, for 3 minutes maximum period
- Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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

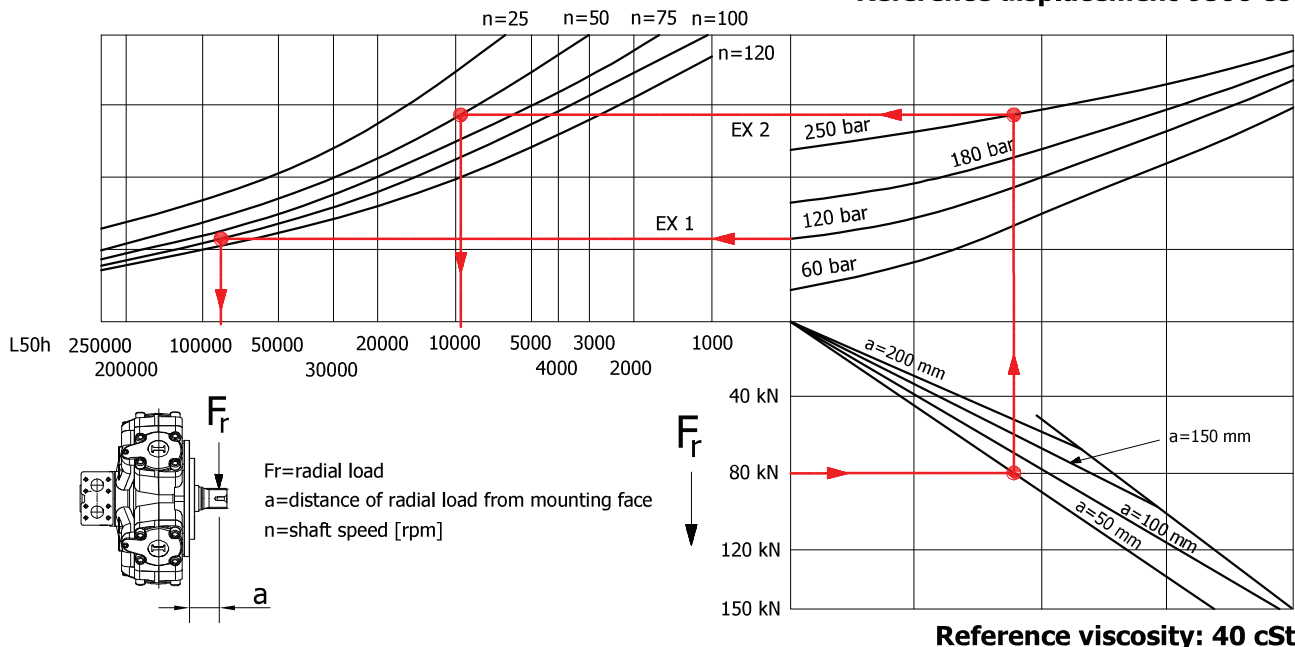


Example:

We suppose (8000 cc): $p=200$ [bar], we obtain: external leakage 6,9 [l/min], shaft creep speed 1,05 [rpm].
If we suppose (8000 cc): $p=200$ [bar] and $n=100$ [rpm] we obtain a volumetric efficiency of 98,5%;

BEARING LIFE

Reference displacement 6800 cc

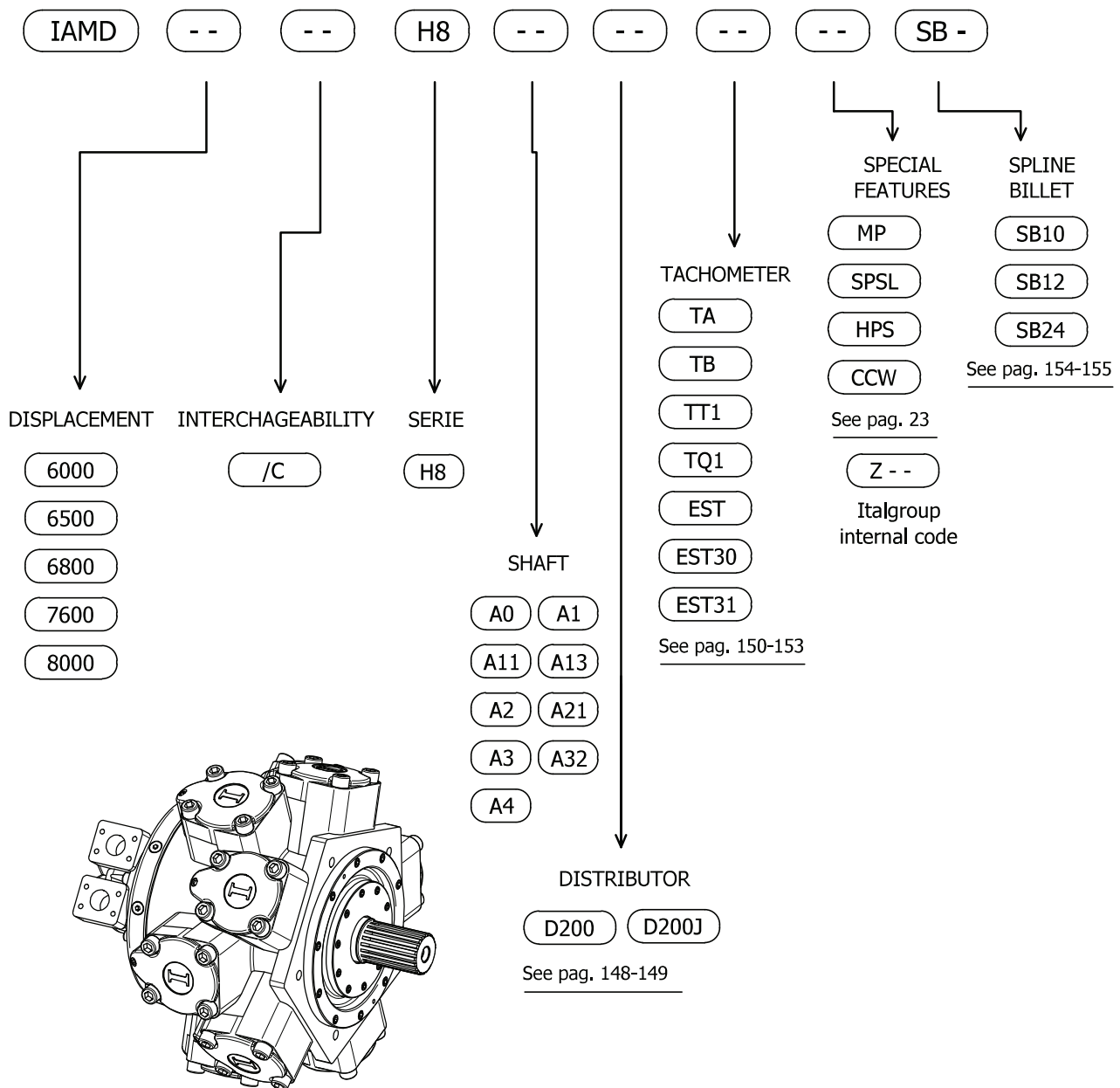


Example:

We suppose (EX1): $p=120$ [bar], $n=100$ [rpm]; we obtain an average lifetime of 85000 [h].

If we suppose (EX2): $F_r=80$ [kN], $a=50$ [mm], $n=50$ [rpm] and $p=250$ [bar] we obtain an average lifetime of 9000 [h].

IAMD H8 - ORDERING CODE



EXAMPLES:

IAMD 6000 H8 A1 D200J
IAMD 6800/C H8 A0 D200J EST30
IAMD 8000 H8 A11 D200 HPS SB24