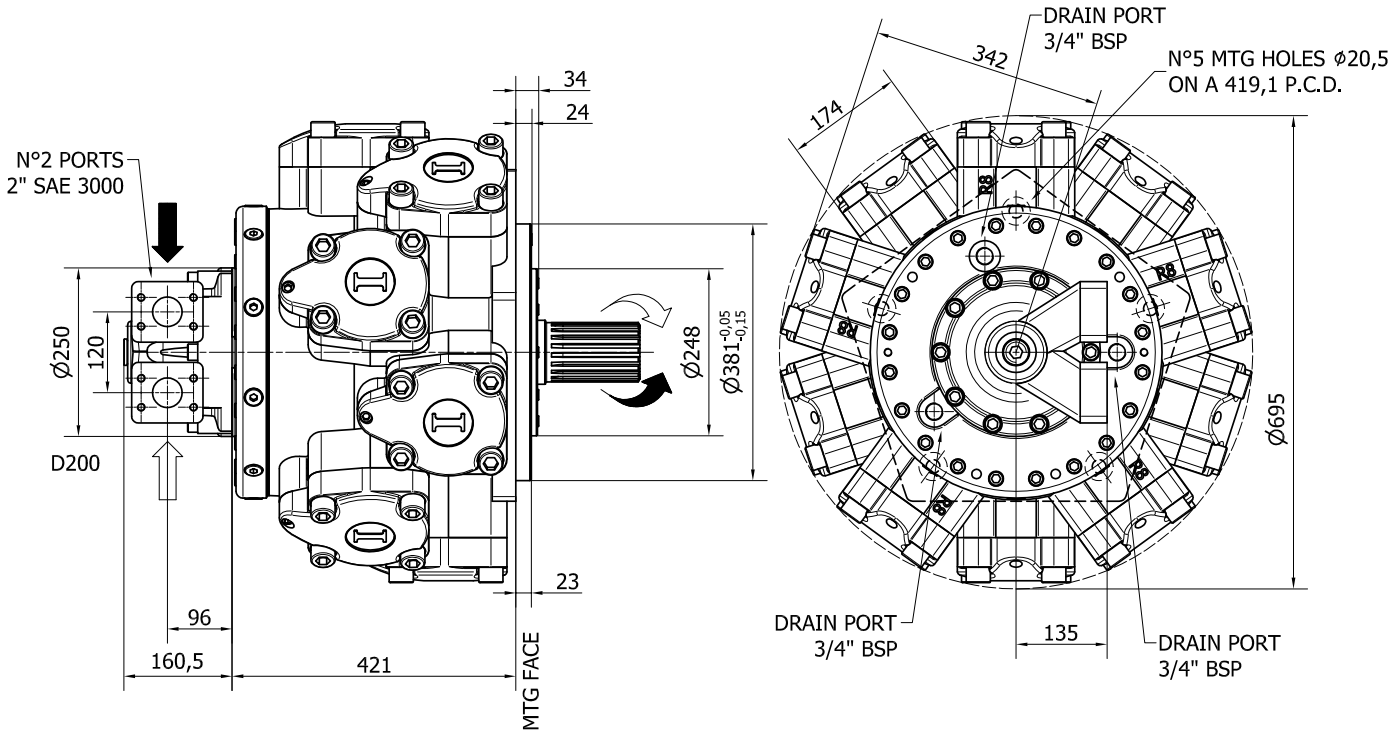
R8D H8

R8D H8	Pag. 152 - 154
R8D H8/C	Pag. 156 - 157
R8D H8 - PERFORMANCE CURVES	Pag. 158 - 161
R8D H8 - ORDERING CODE	Pag. 162

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R8D H8

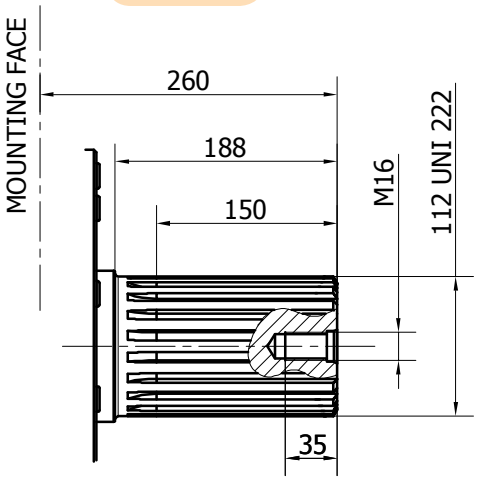


TECHNICAL DATA

		3000	6000	6500	6800	7600	8000
DISPLACEMENT	[cc]	3020	5966	6581	6962	7620	8062
SPECIFIC TORQUE	[Nm/bar]	48.1	95	104.7	110.8	121.3	128.3
MAX. CONT. PRESSURE	[bar]	270	250	250	250	250	240
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	240	120	120	120	90	80
PEAK SPEED (**)	[rpm]	300	140	140	140	100	90
MAX. CONT. POWER (***)	[kW]	215	215	215	215	215	215
MAX. POWER	[kW]	236	236	236	236	236	236
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6
DRY WEIGHT	[kg]	590	590	590	590	590	590
TEMPERATURE RANGE (*)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

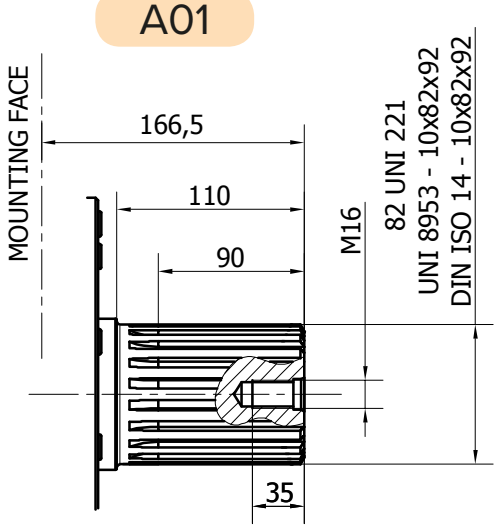
- (*) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (**) Do not exceed maximum power (see pag. 13).
- (***) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required. For more information please contact our technical department.

A0



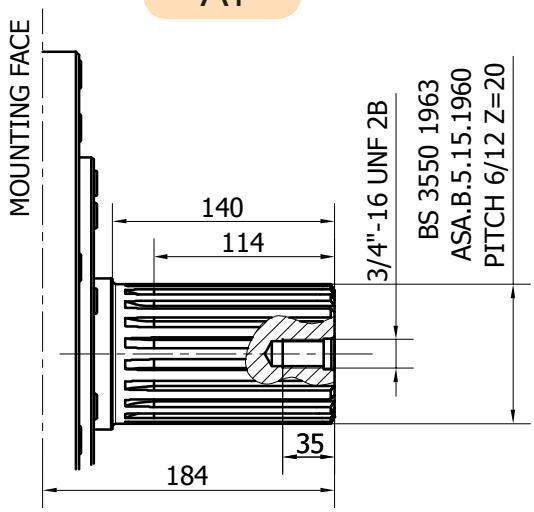
Available spline billet: SB12

A01



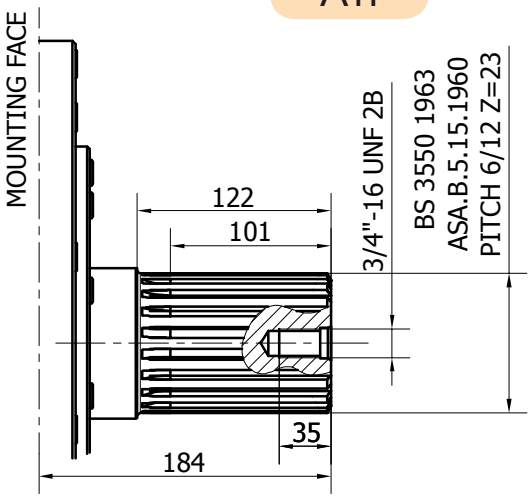
Available spline billet: SB10

A1



Available spline billet: SB24

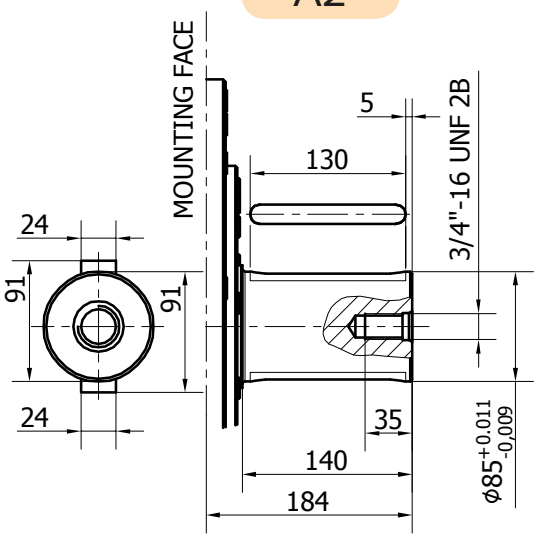
A11



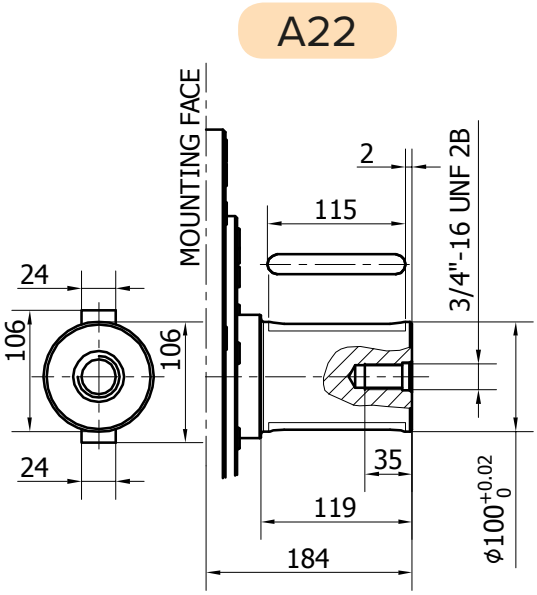
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R8D H8

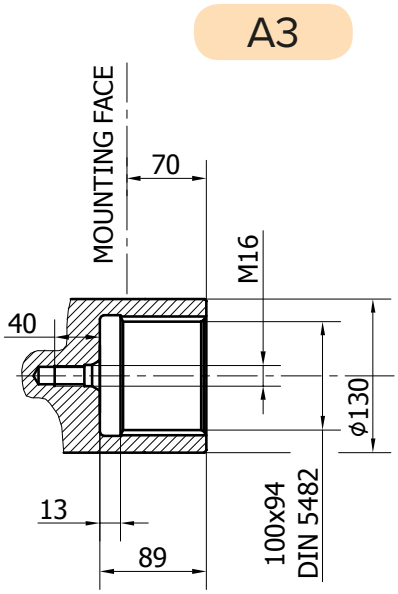
A2



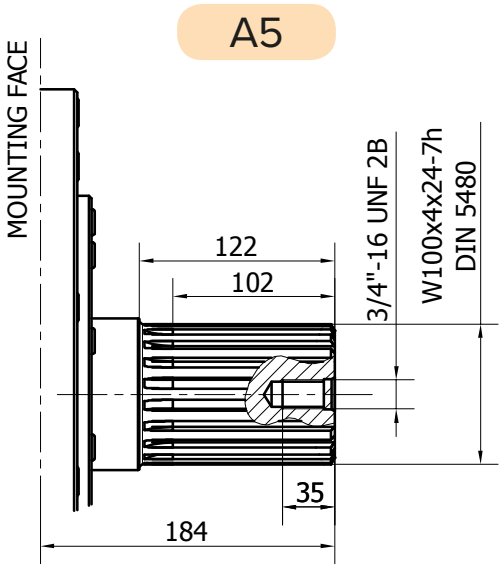
A22



A3



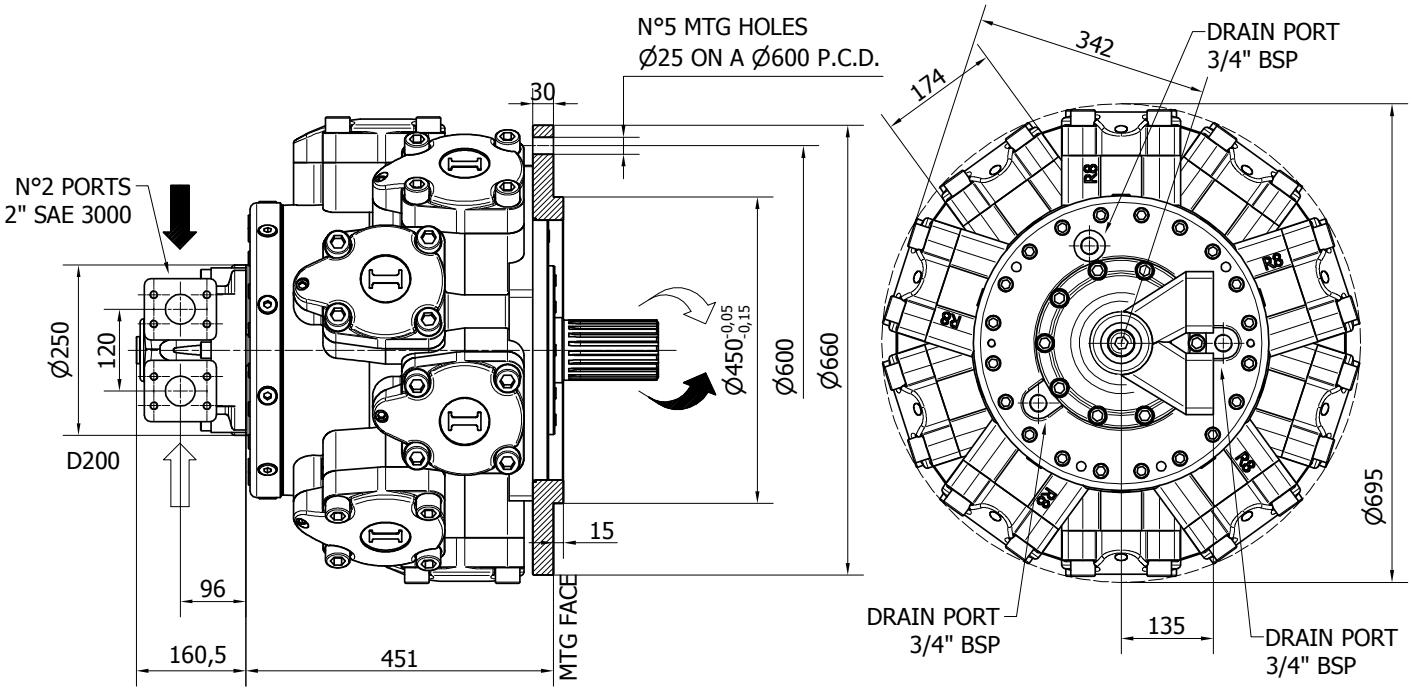
A5



SHAFTS

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R8D H8/C

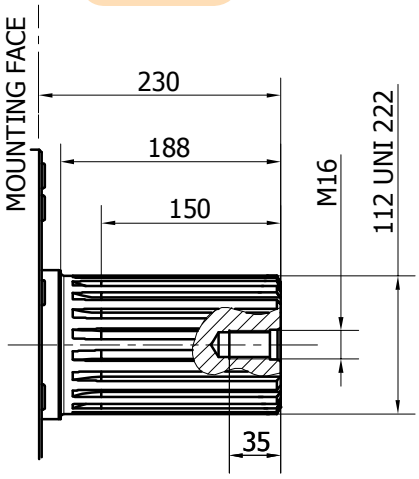


TECHNICAL DATA

		3000	6000	6500	6800	7600	8000
DISPLACEMENT	[cc]	3020	5966	6581	6962	7620	8062
SPECIFIC TORQUE	[Nm/bar]	48.1	95	104.7	110.8	121.3	128.3
MAX. CONT. PRESSURE	[bar]	270	250	250	250	250	240
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	240	120	120	120	90	80
PEAK SPEED (**)	[rpm]	300	140	140	140	100	90
MAX. CONT. POWER (***)	[kW]	215	215	215	215	215	215
MAX. POWER	[kW]	236	236	236	236	236	236
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6
DRY WEIGHT	[kg]	590	590	590	590	590	590
TEMPERATURE RANGE (*)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

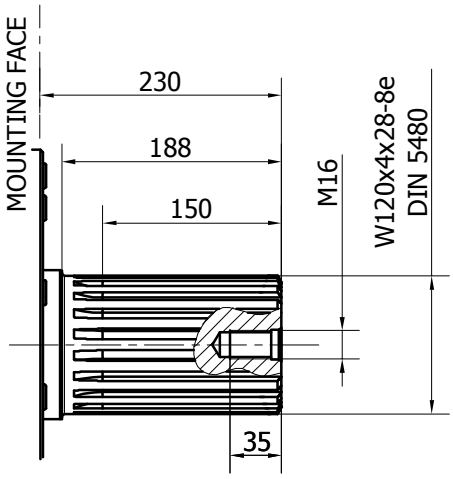
- (*) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (**) Do not exceed maximum power (see pag. 13).
- (***) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required. For more information please contact our technical department.

A0

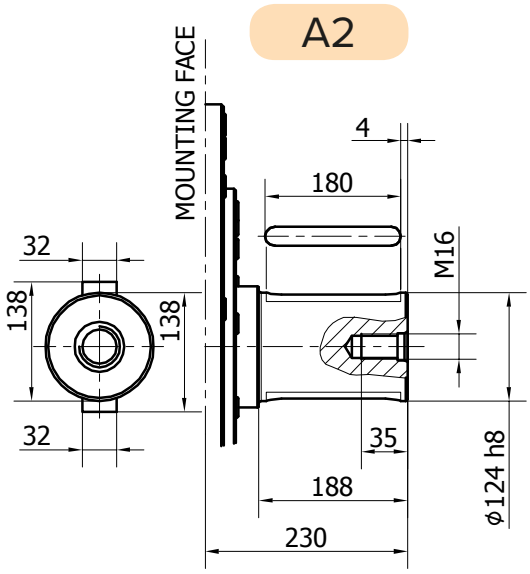


Available spline billet: SB12

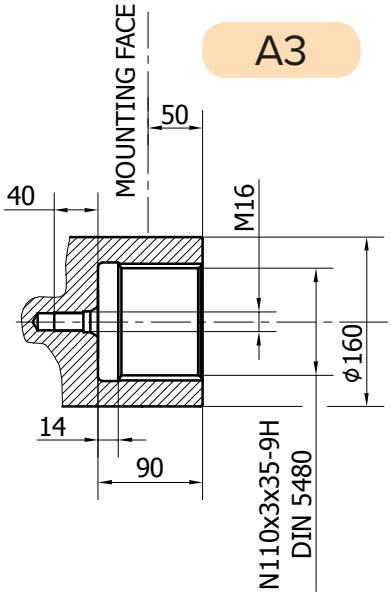
A11



A2



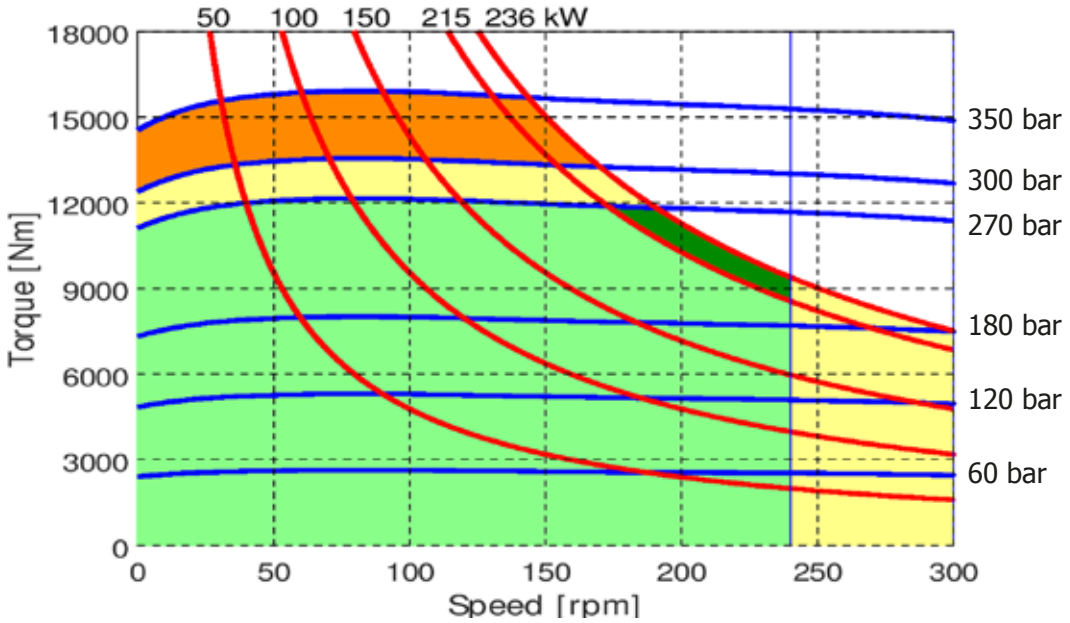
A3



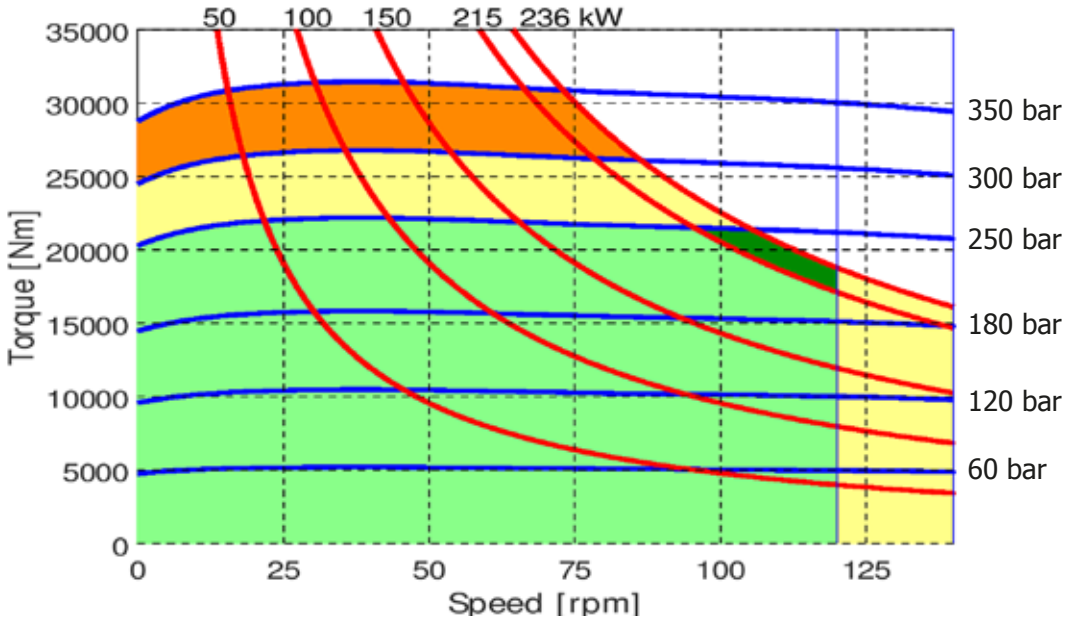
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R8D H8 - PERFORMANCE CURVES

R8D 3000 H8



R8D 6000 H8



Continuous operation

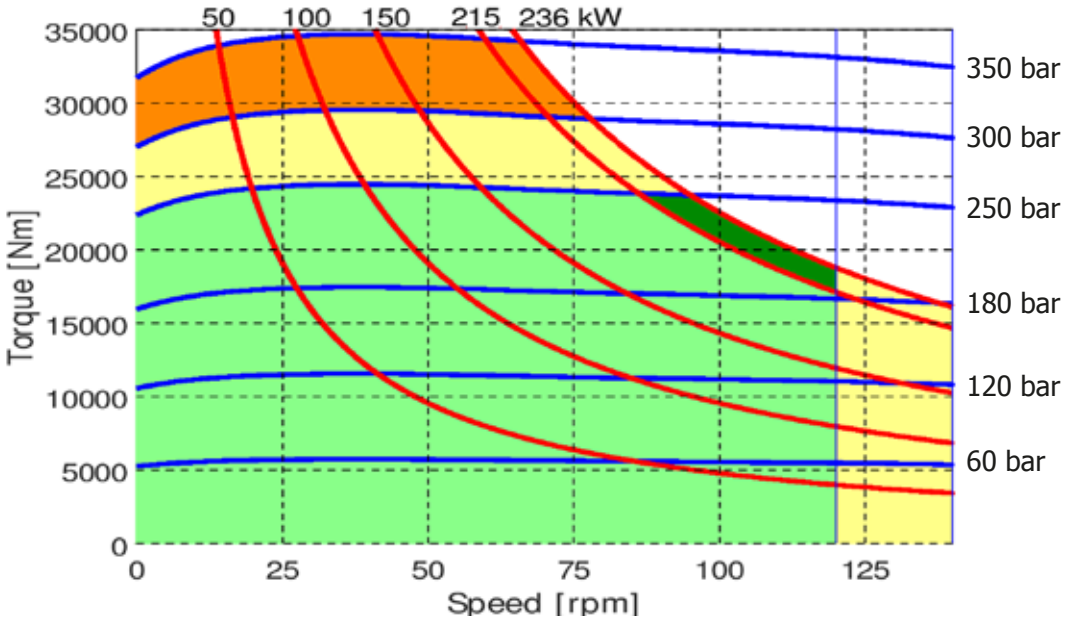
Continuous operation with flushing or intermittent operation (see below for intermittent operation)

Intermittent operation: permitted for a 15% of duty cycle, for 3 minutes maximum period

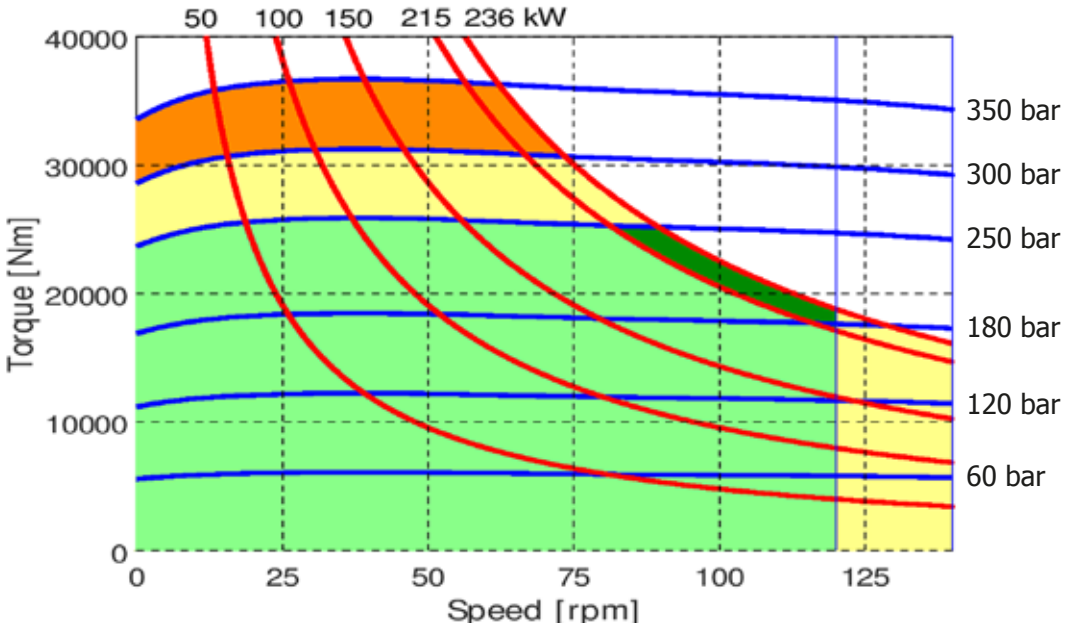
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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.

R8D 6500 H8



R8D 6800 H8



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

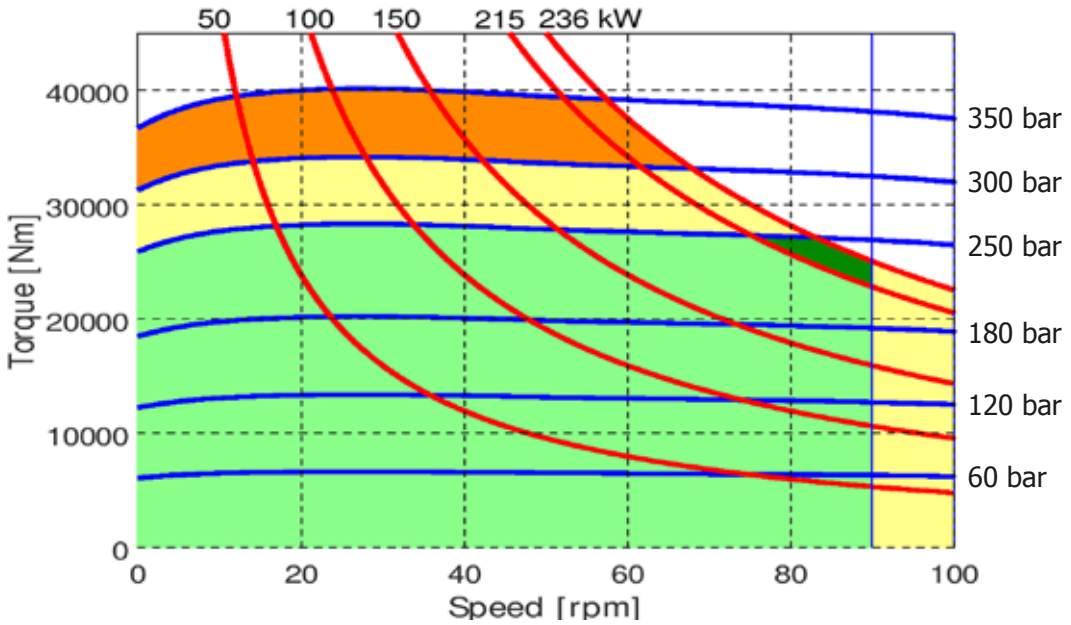
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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.

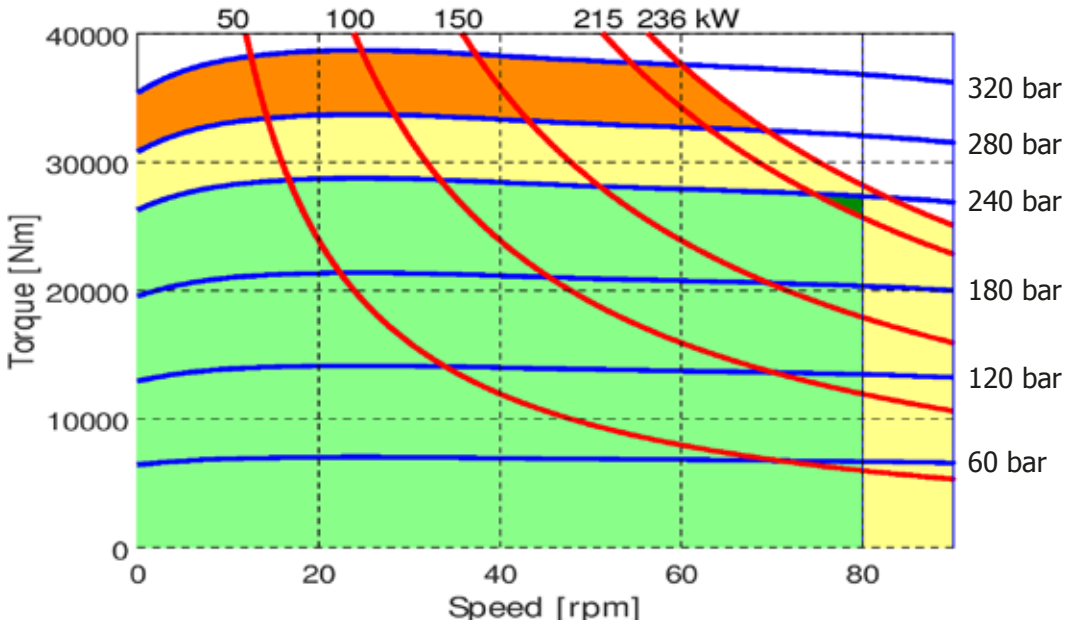
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R8D H8 - PERFORMANCE CURVES

R8D 7600 H8



R8D 8000 H8



Continuous operation

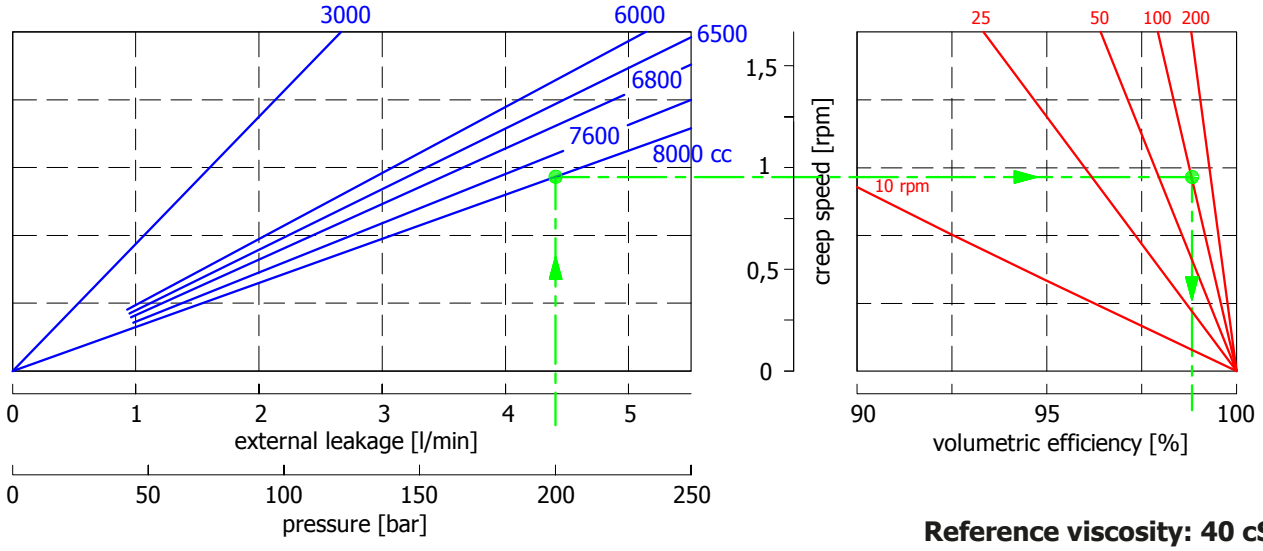
Continuous operation with flushing or intermittent operation (see below for intermittent operation)

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.

CREEP SPEED - VOLUMETRIC EFFICIENCY

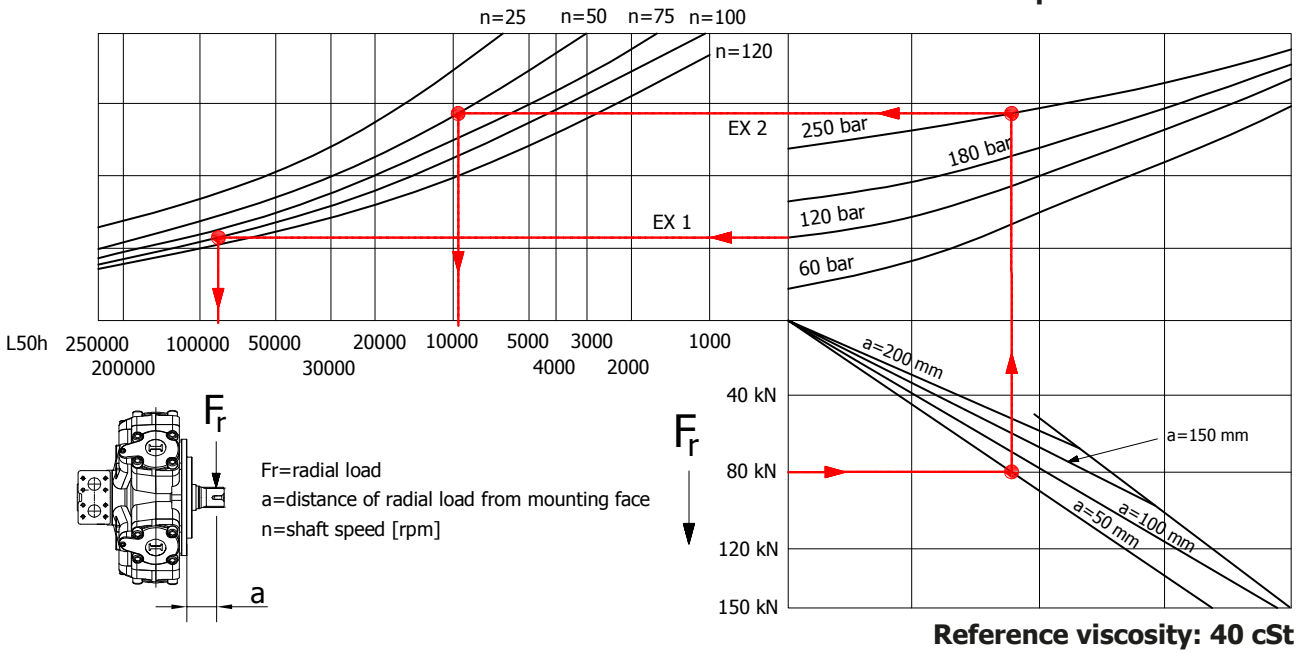


Reference viscosity: 40 cSt

Example:
We suppose (8000 cc): p=200 [bar], we obtain: external leakage 4,3 [l/min], shaft creep speed 0,95 [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



Reference viscosity: 40 cSt

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].

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R8D H8 - ORDERING CODE

R8D | - - | - - | H8 | - - | - - | - - | - - | - - | SB -

DISPLACEMENT
- 3000
- 6000
- 6500
- 6800
- 7600
- 8000

INTERCHANGEABILITY
- /C

SERIE
- H8

SHAFT
- A0
- A01
- A1
- A11
- A2
- A22
- A3
- A5

DISTRIBUTOR
- D200
- D200J

See pag. 174-175

TACHOMETER
- TA
- TB
- TT1
- TQ1
- EST
- EST30
- EST31
- EST32
- EST33

See pag. 177-180

SPECIAL FEATURES
- MP
- SPSL
- HPS
- CCW

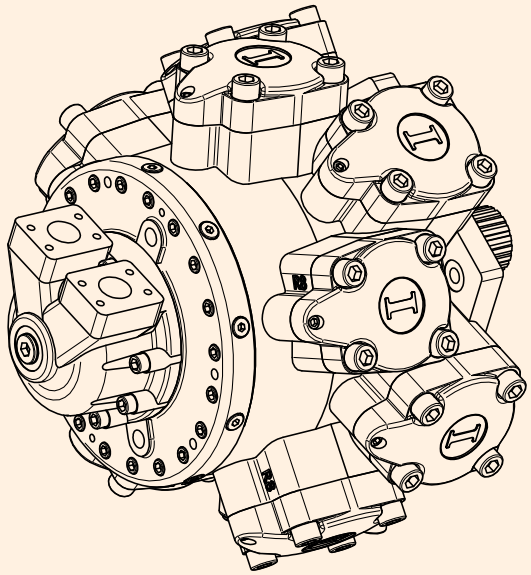
See pag. 23

- Z - -

Italgroup internal code

SPLINE BILLET
- SB10
- SB12

See pag. 181-185



EXAMPLES:

R8D 3000 H8 A1 D200
R8D 6500/C H8 A0 D200 CCW
R8D 6800 H8 A4 D200 EST30