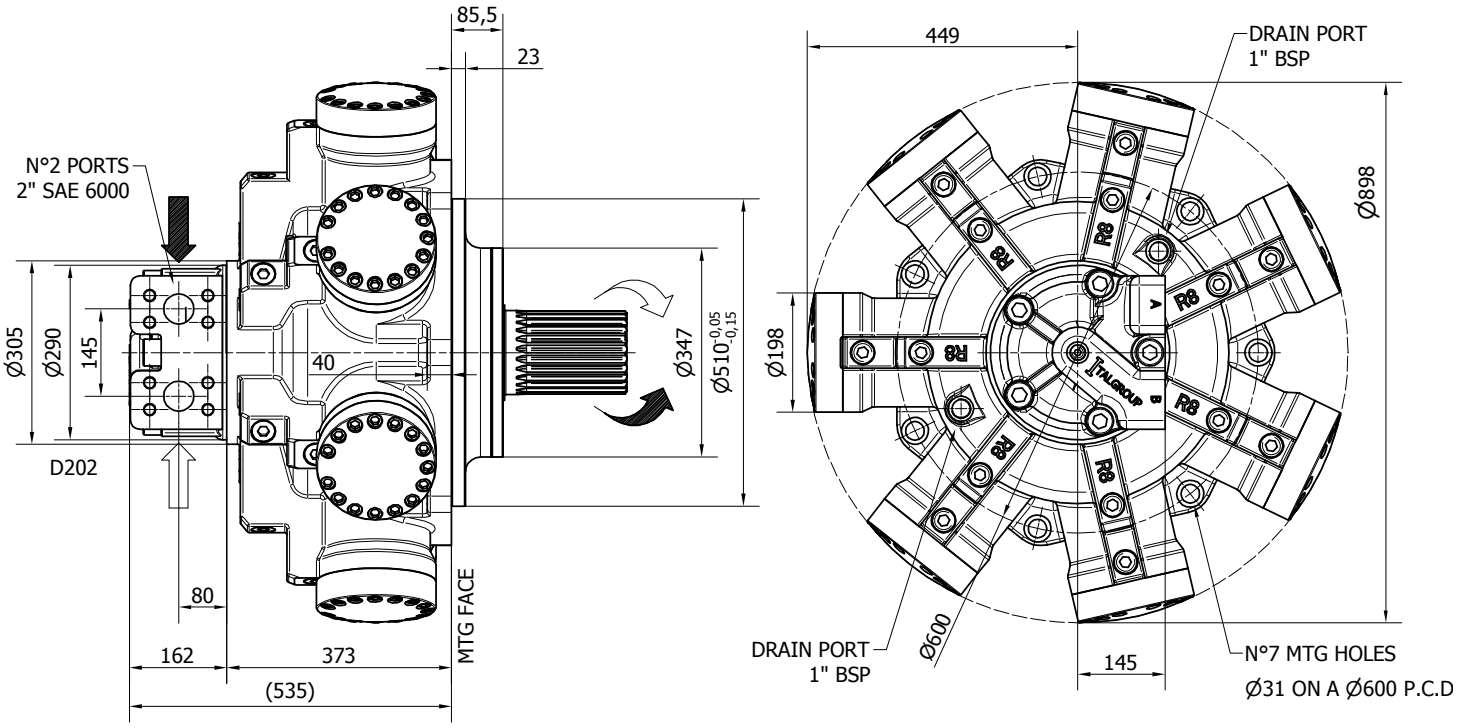
R8D H9

R8D H9	Pag. 164 - 165
R8D H9/C	Pag. 166 - 167
R8D H9 - PERFORMANCE CURVES	Pag. 168 - 172
R8D H9 - ORDERING CODE	Pag. 173

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R8D H9

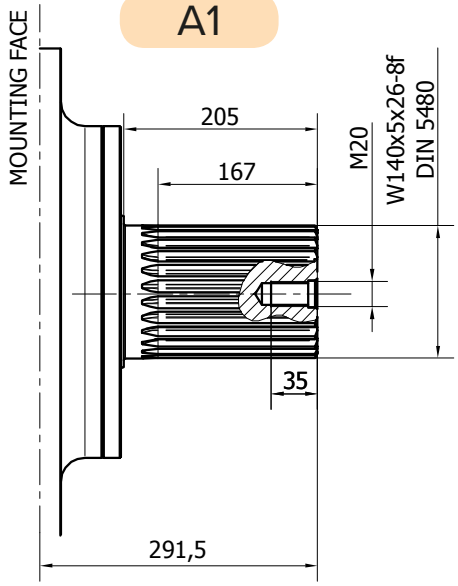


TECHNICAL DATA

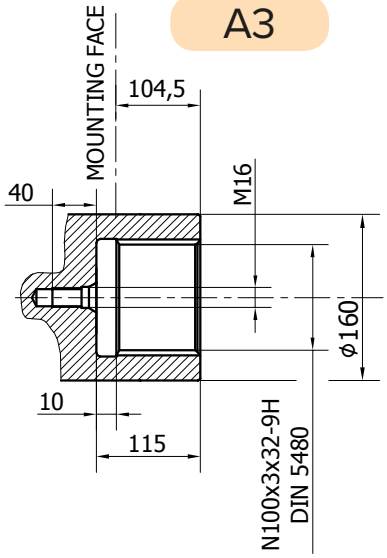
		7000	8000	9000	10000	11000	12000	13000
DISPLACEMENT	[cc]	7050	8332	8757	10214	11016	12073	13020
SPECIFIC TORQUE	[Nm/bar]	112	132.6	139.4	162.6	175.3	192.2	207.3
MAX. CONT. PRESSURE	[bar]	270	270	260	250	250	250	250
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	160	135	130	110	105	95	90
PEAK SPEED (**)	[rpm]	190	160	155	135	120	110	105
MAX. CONT. POWER (***)	[kW]	330	330	330	330	330	330	330
MAX. POWER	[kW]	370	370	370	370	370	370	370
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6	6
DRY WEIGHT	[kg]	750	750	750	750	750	750	750
TEMPERATURE RANGE (*)	[°C]	-30÷70	-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.

A1



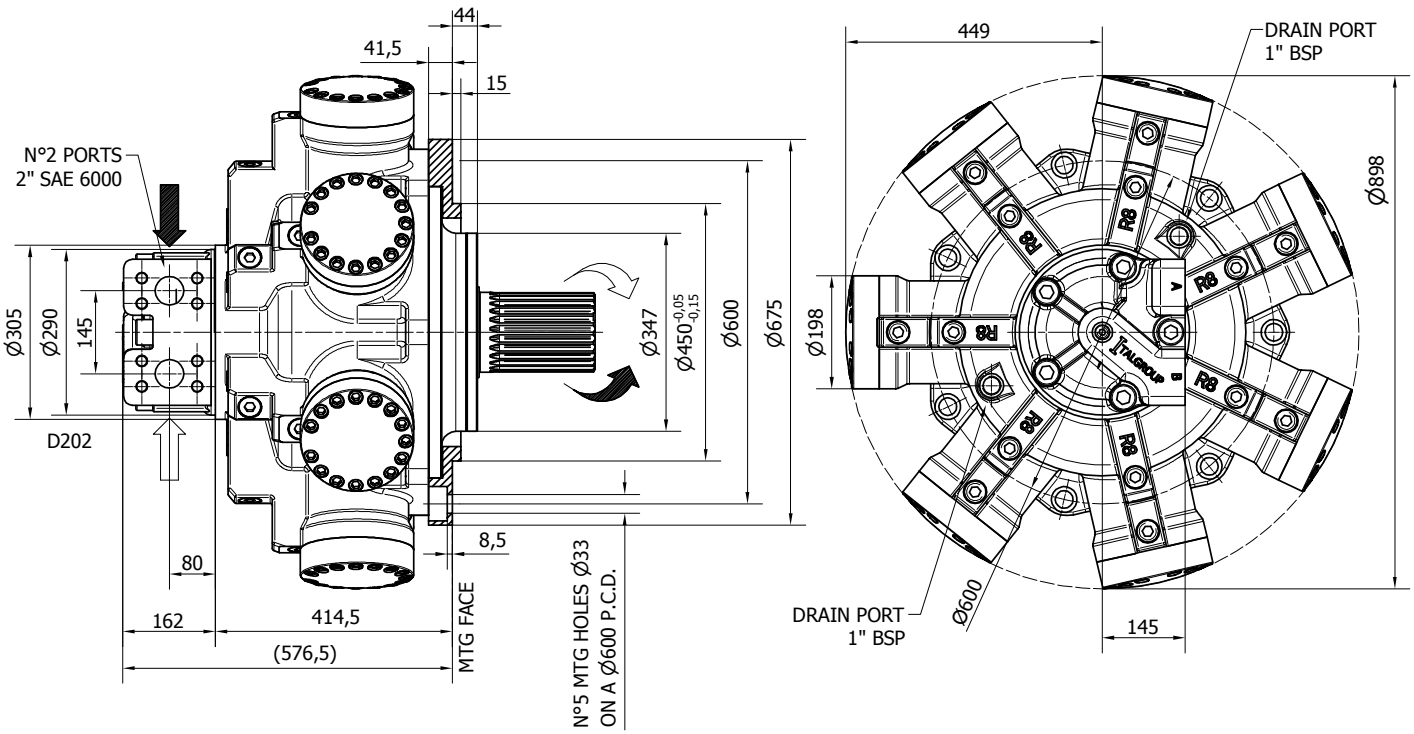
A3



Available only for
7000 - 8000 -9000 - 10000 cc

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R8D H9/C



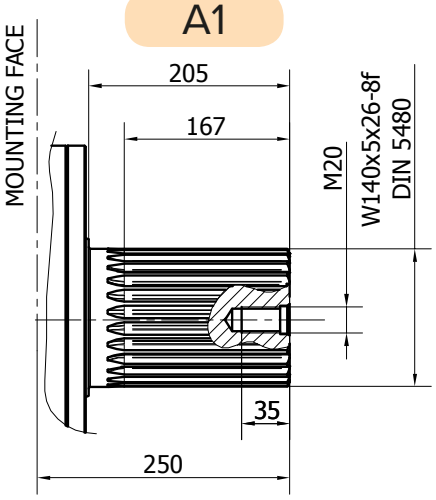
TECHNICAL DATA

		7000	8000	9000	10000	11000	12000	13000
DISPLACEMENT	[cc]	7050	8332	8757	10214	11016	12073	13020
SPECIFIC TORQUE	[Nm/bar]	112	132.6	139.4	162.6	175.3	192.2	207.3
MAX. CONT. PRESSURE	[bar]	270	270	260	250	250	250	250
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	160	135	130	110	105	95	90
PEAK SPEED (**)	[rpm]	190	160	155	135	120	110	105
MAX. CONT. POWER (***)	[kW]	330	330	330	330	330	330	330
MAX. POWER	[kW]	370	370	370	370	370	370	370
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6	6
DRY WEIGHT	[kg]	750	750	750	750	750	750	750
TEMPERATURE RANGE (*)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

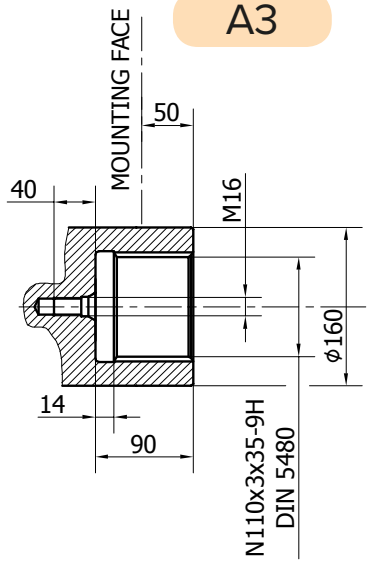
- (*) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (**) Do not exceed maximum power (see pag. 13).
- (***) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required. For more information please contact our technical department.

SHAFTS

A1



A3

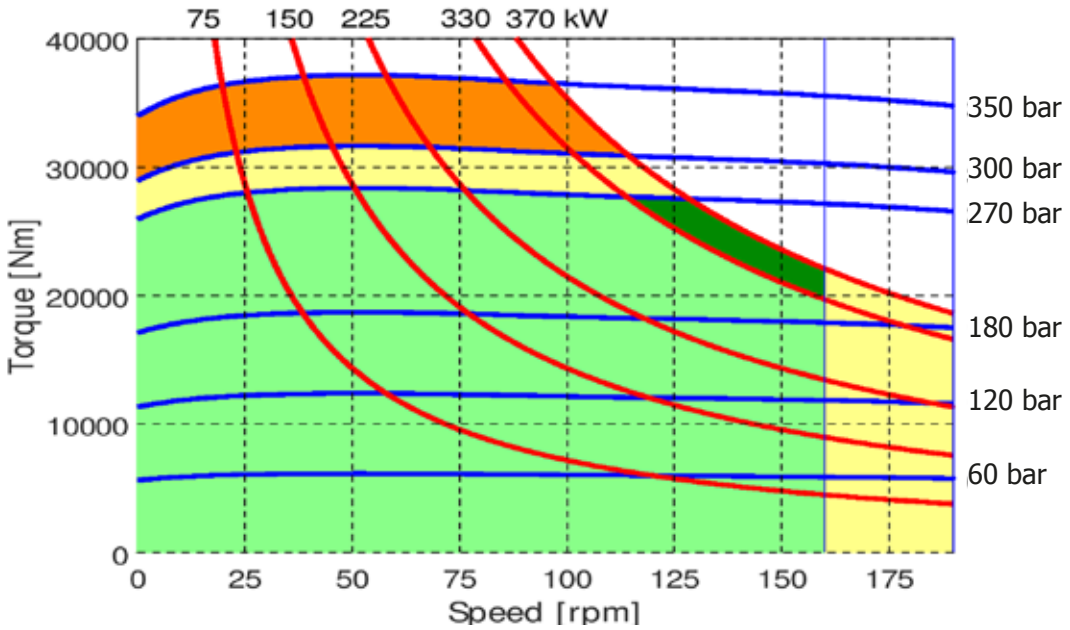


Available only for 8000 cc

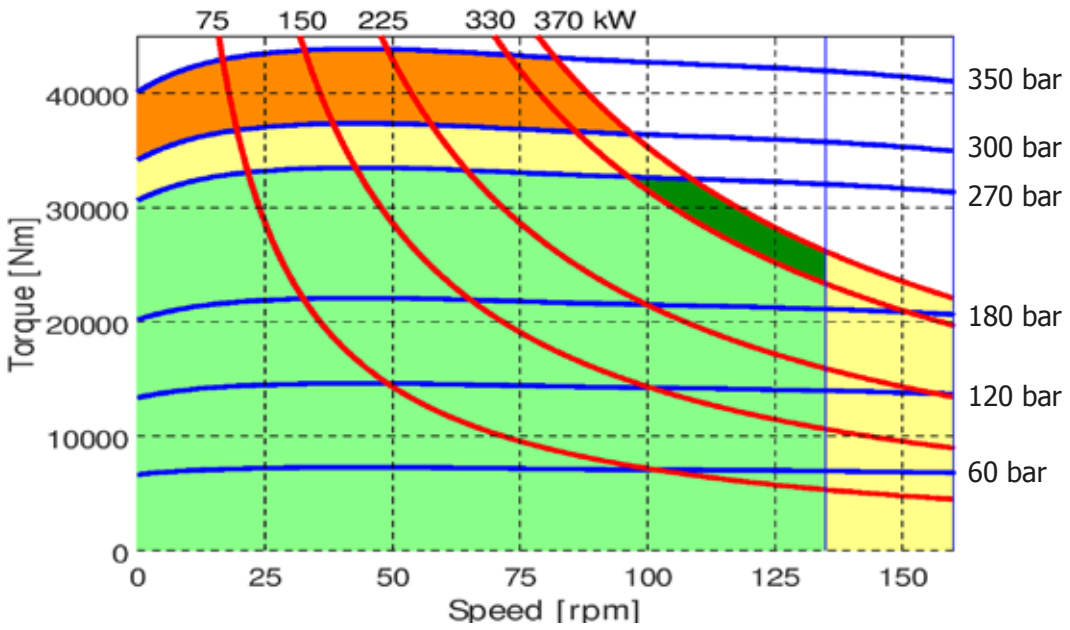
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R8D H9 - PERFORMANCE CURVES

R8D 7000 H9



R8D 8000 H9



Continuous operation

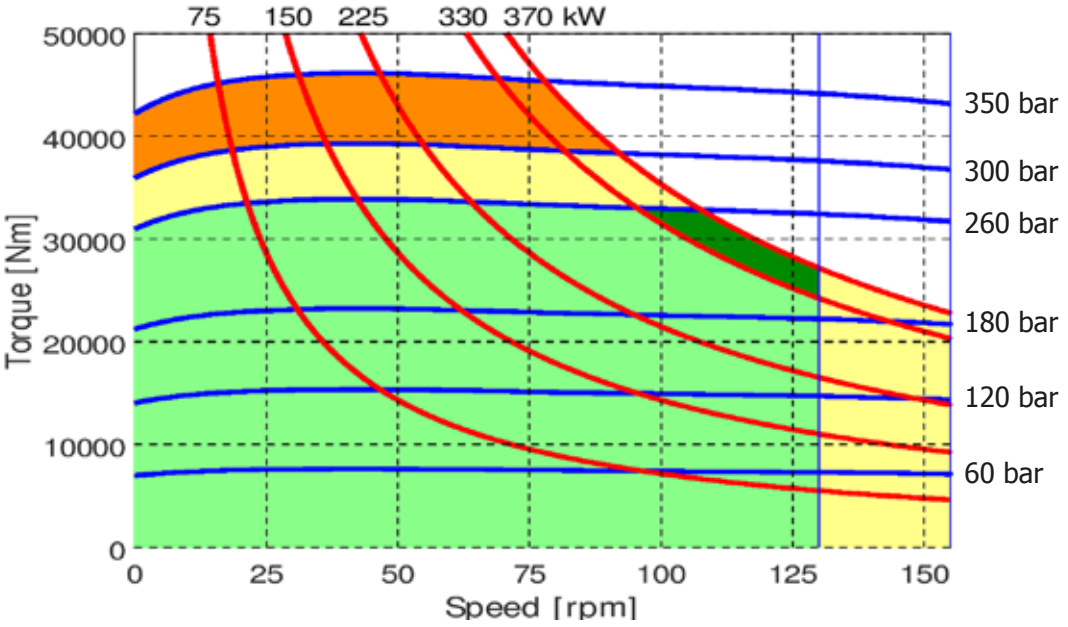
Continuous operation with flushing or intermittent operation (see below for intermittent operation)

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

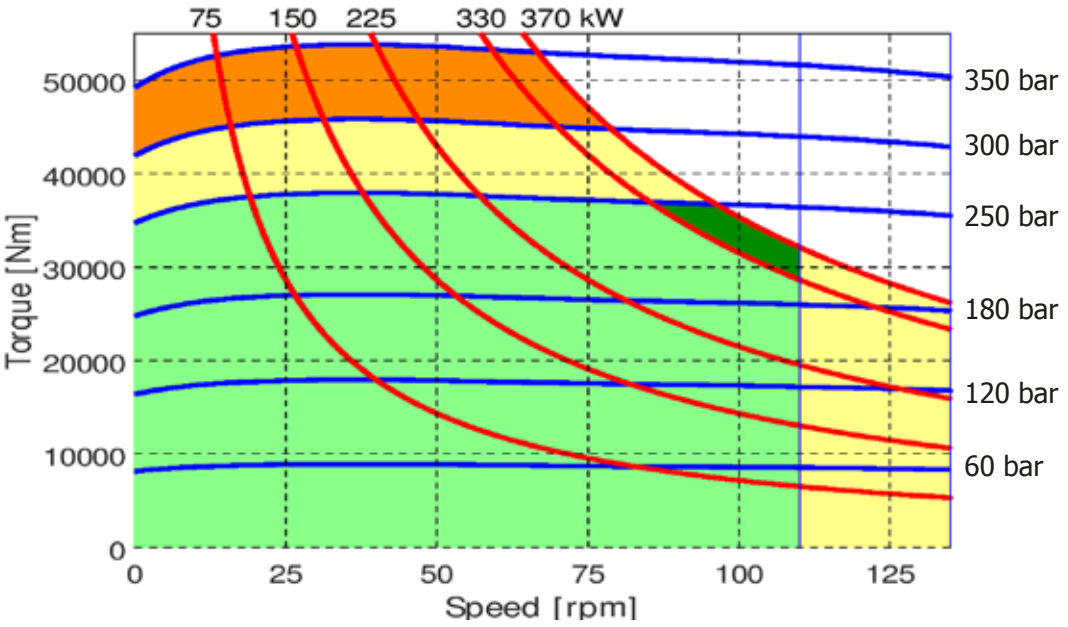
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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 9000 H9



R8D 10000 H9



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

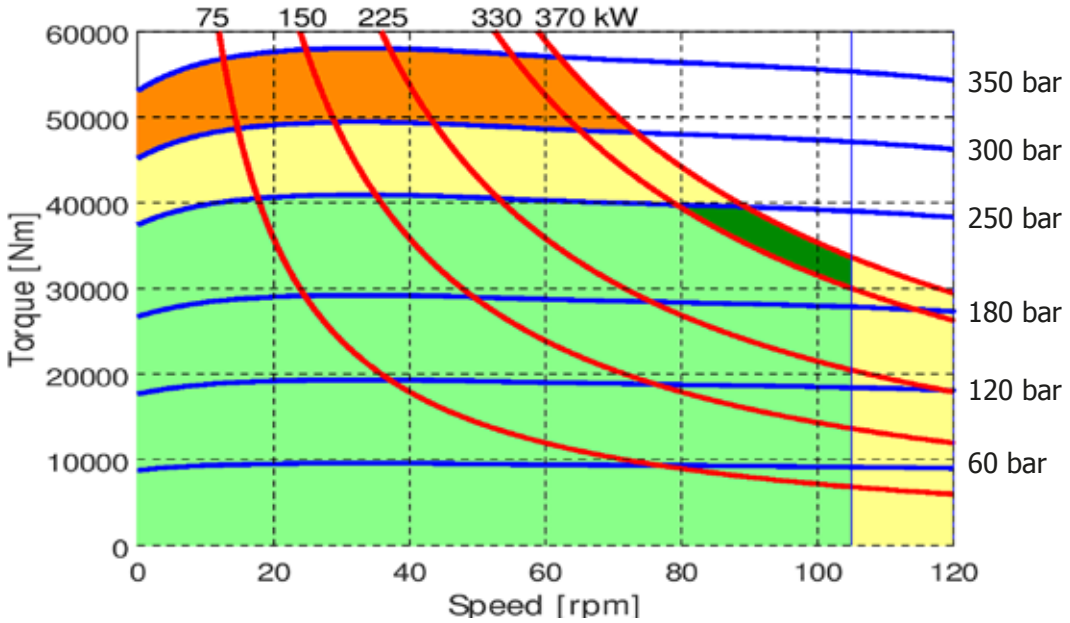
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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.

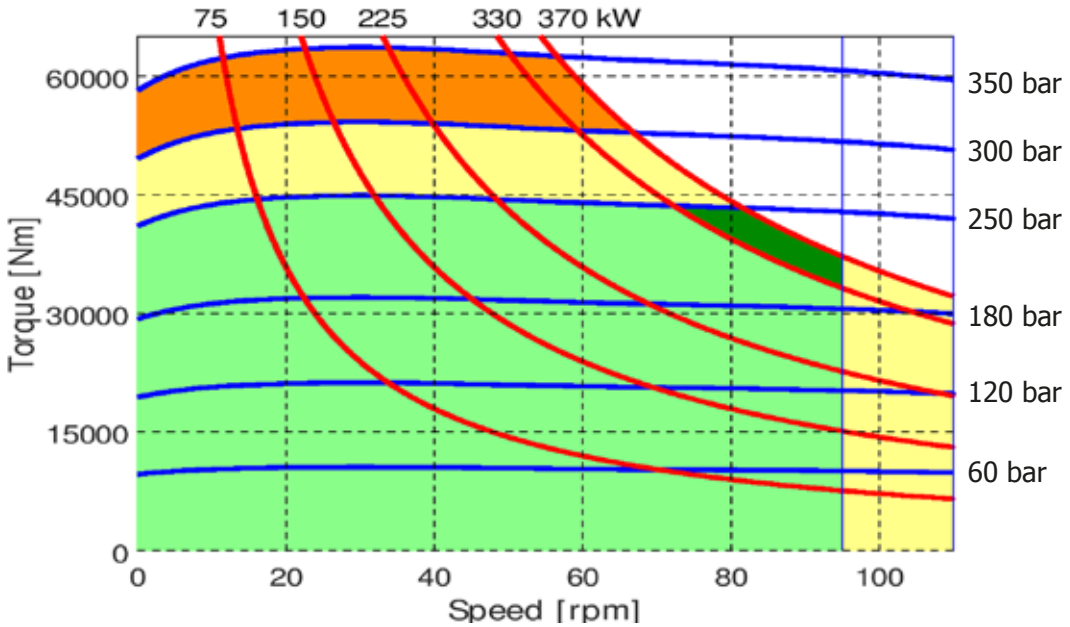
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R8D H9 - PERFORMANCE CURVES

R8D 11000 H9



R8D 12000 H9



Continuous operation

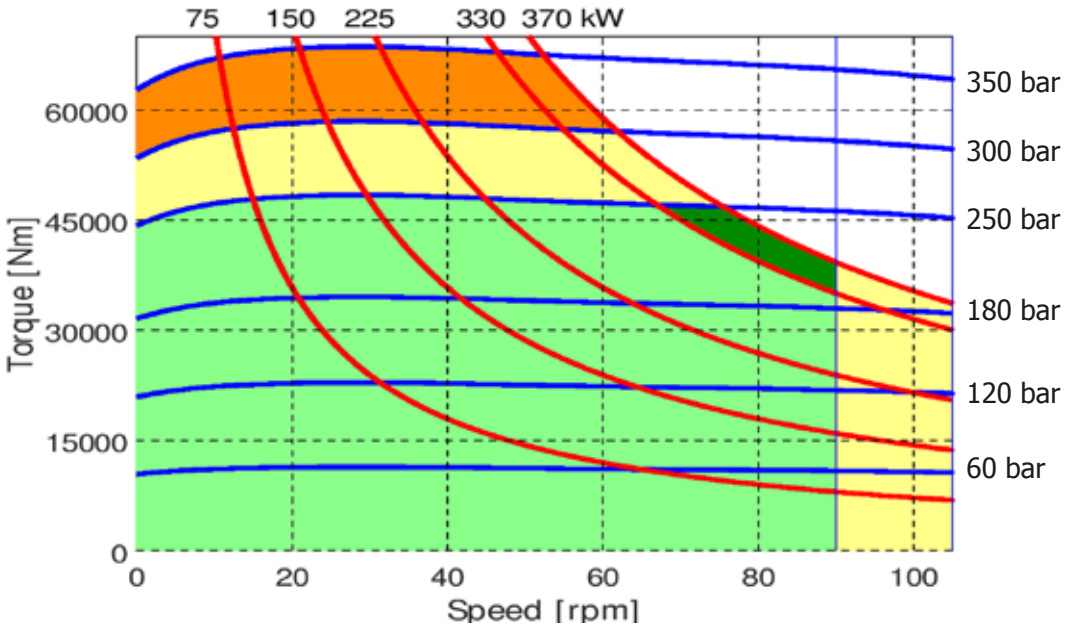
Continuous operation with flushing or intermittent operation (see below for intermittent operation)

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 13000 H9



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

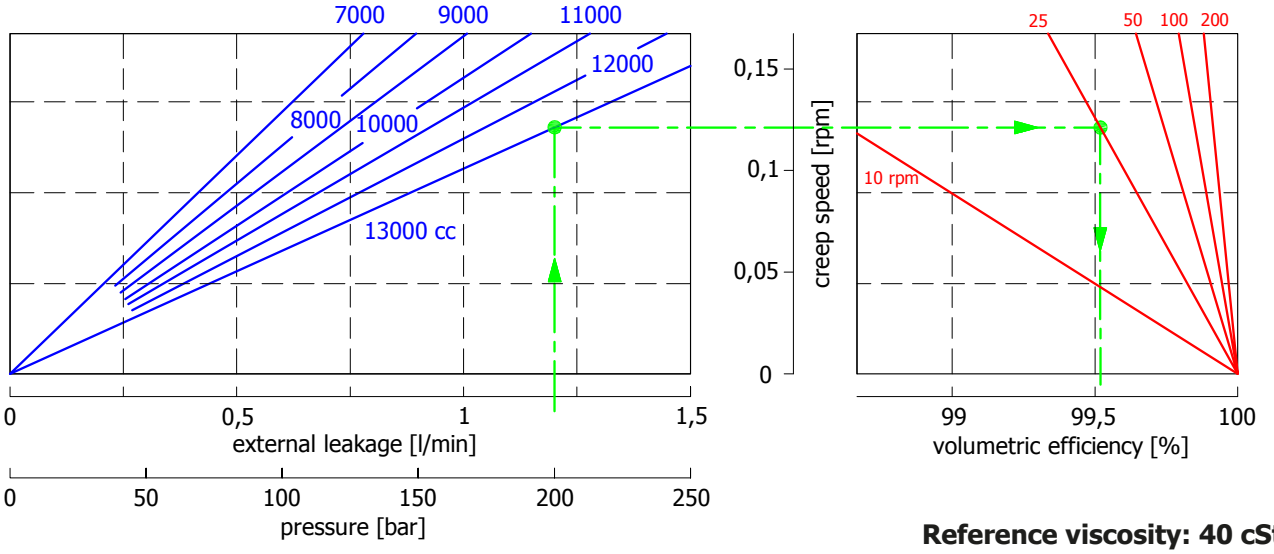
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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 H9 - PERFORMANCE CURVES

CREEP SPEED - VOLUMETRIC EFFICIENCY

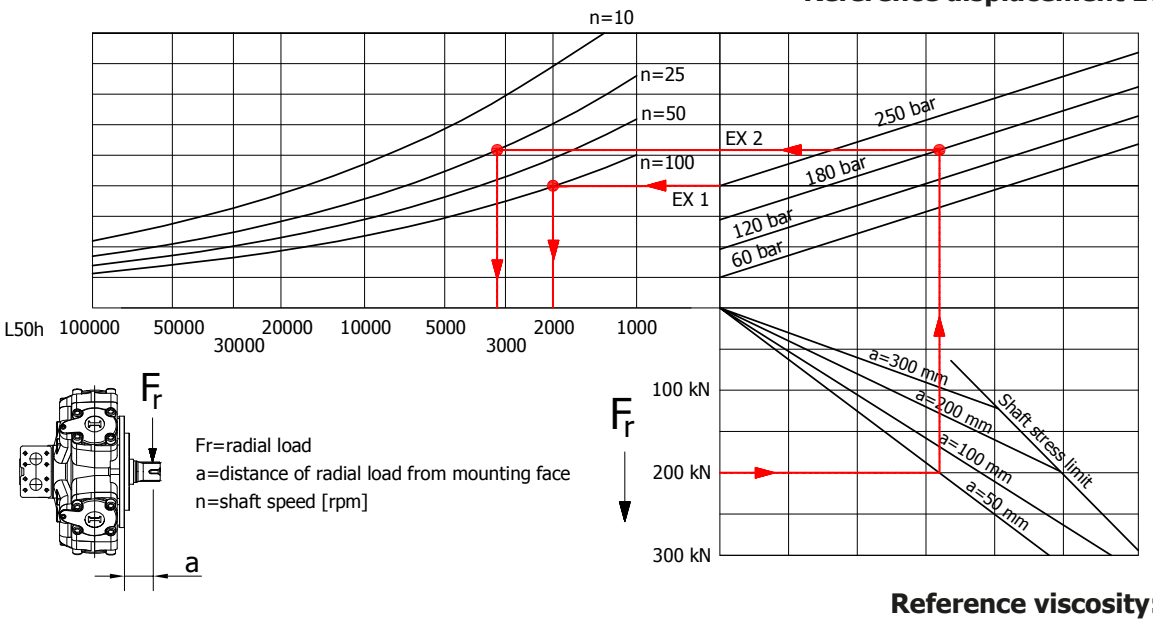


Reference viscosity: 40 cSt

Example:
We suppose (13000 cc): p=200 [bar], we obtain: external leakage 1,2 [l/min], shaft creep speed 0,12 [rpm].
If we suppose (13000 cc): p=200 [bar] and n=25 [rpm] we obtain a volumetric efficiency of 99,5%;

BEARING LIFE

Reference displacement 10000 cc



Reference viscosity: 40 cSt

Example:
We suppose (EX1): p=250 [bar], n=100 [rpm]; we obtain an average lifetime of 2000 [h].
If we suppose (EX2): F_r=200 [kN], a=50 [mm], n=25 [rpm] and p=250 [bar] we obtain an average lifetime of 3100 [h].

R8D H9 - ORDERING CODE

R8D | - - | - - | H9 | - - | - - | - - | - -

DISPLACEMENT
- 7000
- 8000
- 9000
- 10000
- 11000
- 12000
- 13000

INTERCHANGEABILITY
- /C

SERIE
- H9

SHAFT
- A1
- A3
- A31

DISTRIBUTOR
- D202
- D202J

See pag. 174-175

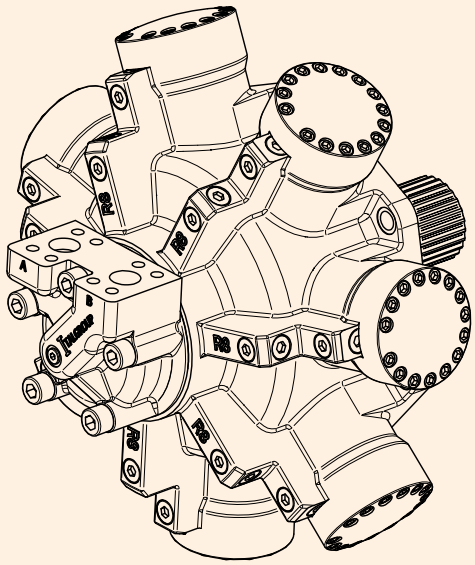
TACHOMETER
- TA
- TB
- TT1
- TQ1
- EST
- EST30
- EST31
- EST32
- EST33

See pag. 177-180

SPECIAL FEATURES
- MP
- SPSL
- HPS
- CCW

See pag. 23

- Z - - Italgroup internal code



EXAMPLES:

R8D 13000 H9 A0 D202
R8D 8000/C A3 D202
R8D 10000 H9 A3 D202 EST

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