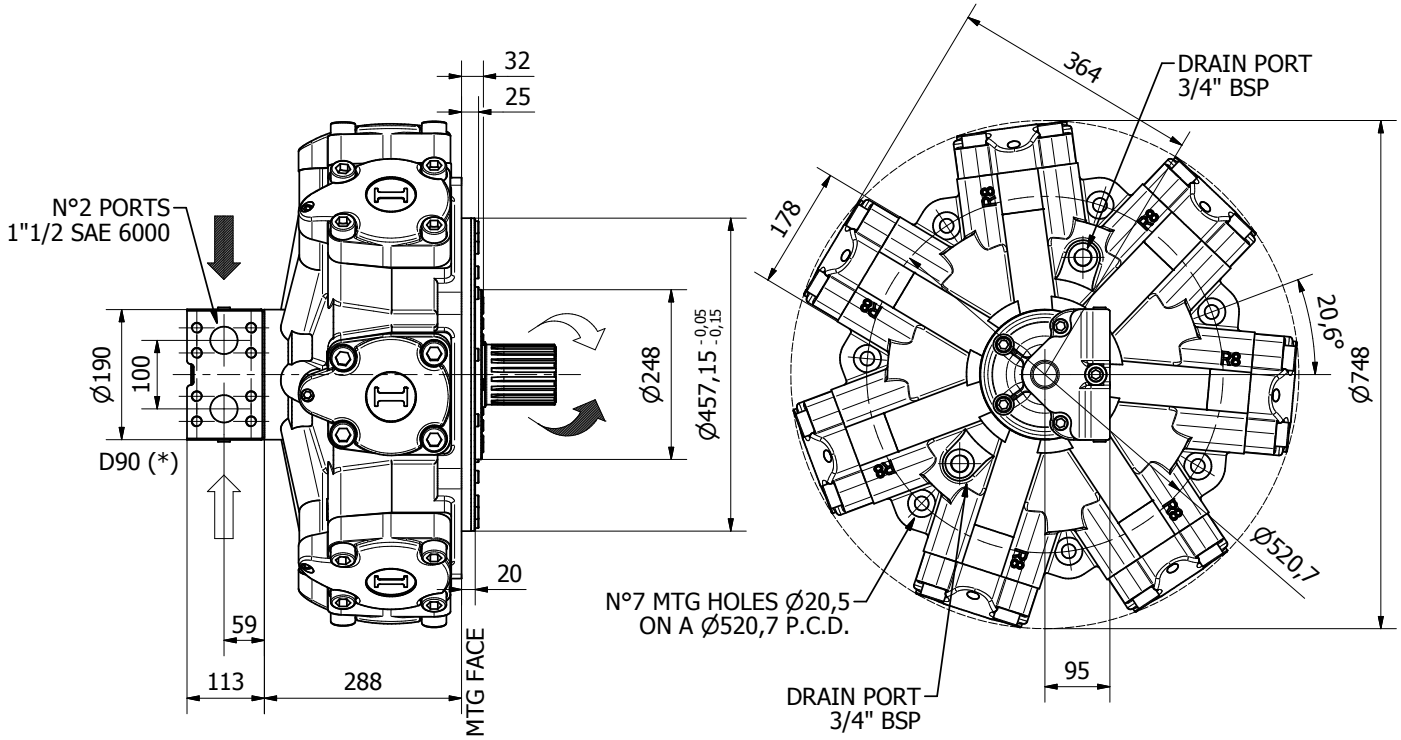
R8M H7

R8M H7	Pag. 164 - 167
R8M H7/C	Pag. 168 - 169
R8M H7/RM	Pag. 170 - 171
R8M H7 - PERFORMANCE CURVES	Pag. 172 - 176
R8M H7 - ORDERING CODE	Pag. 177

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R8M H7



Available distributor flange: FL16

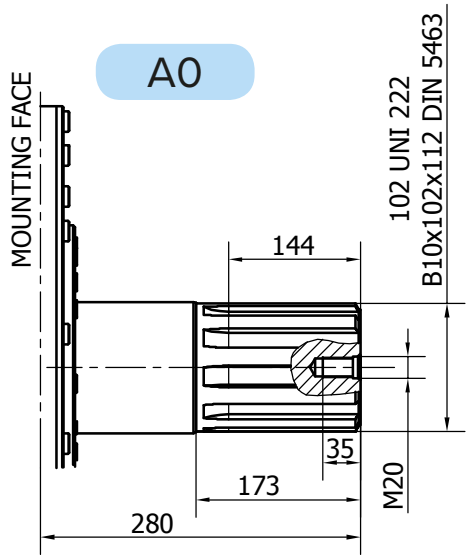
For S04, refer to page 190-191
(distributor fitting D90)

TECHNICAL DATA

		3400	3600	3900	4300	4600	5000	5400
DISPLACEMENT	[cc]	3413	3650	3907	4343	4616	5088	5384
SPECIFIC TORQUE	[Nm/bar]	54.3	58.1	62.2	69.1	73.5	81.0	85.7
MAX. CONT. PRESSURE	[bar]	270	270	270	270	270	260	250
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	180	170	160	150	140	140	130
PEAK SPEED (***)	[rpm]	220	200	200	190	190	180	170
MAX. CONT. POWER (****)	[kW]	132	132	132	132	132	132	132
MAX. POWER	[kW]	182	182	182	182	182	182	182
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6	6
DRY WEIGHT	[kg]	405	405	405	405	405	405	405
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

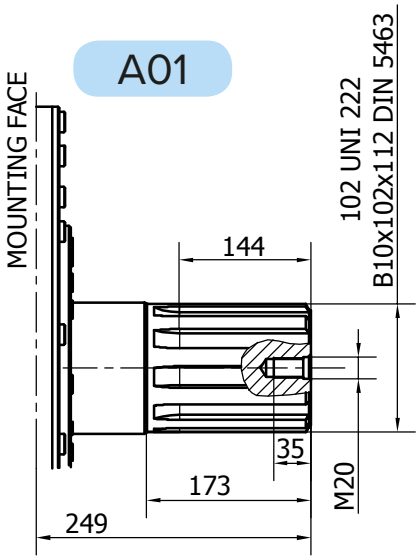
- (*) The standard distributor (D90) is shown. Please refer to distributors section (pag. 178-179) for differents distributor interfaces.
- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (***) Do not exceed maximum power.
- (****) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required (see pag. 13). For more information please contact our technical department.

A0



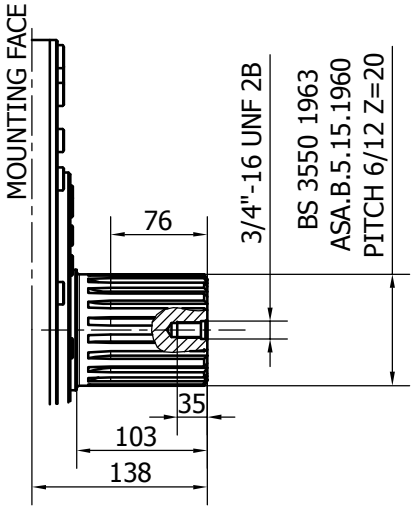
Available spline billet: SB11

A01



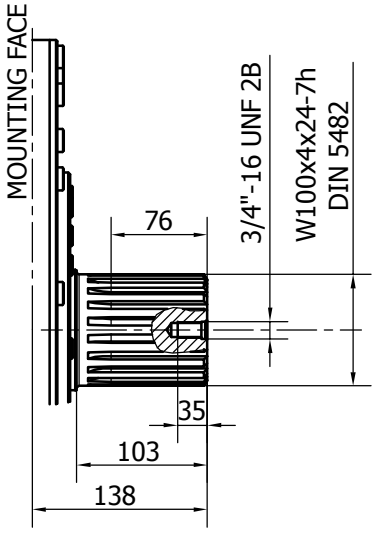
Available spline billet: SB11

A1



Available spline billet: SB10

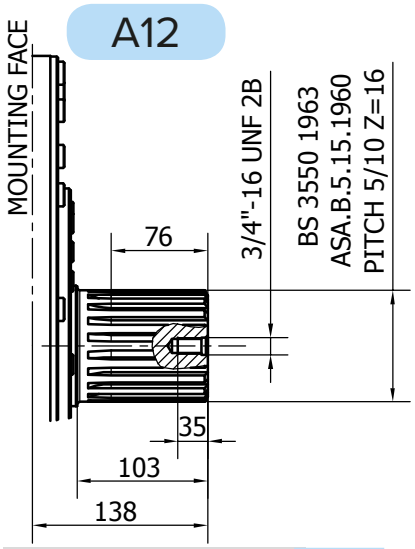
A11



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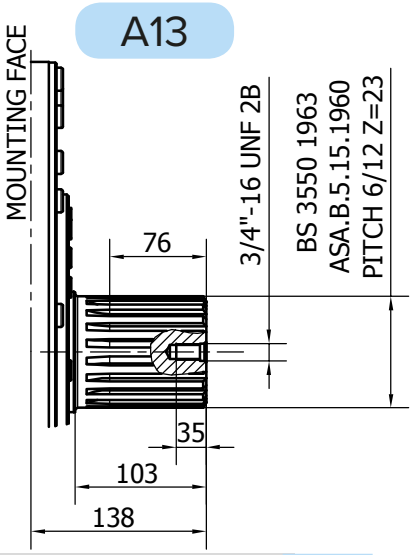
R8M H7

A12



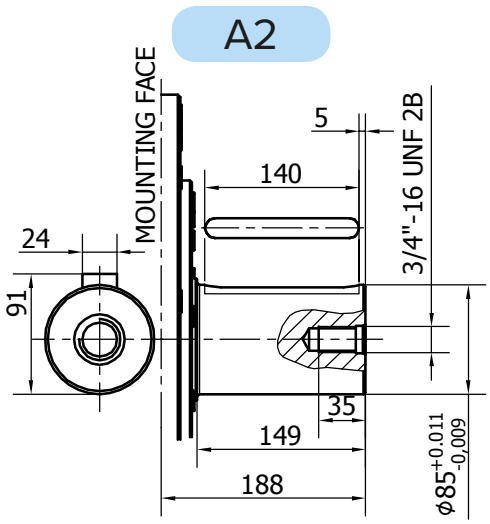
Available spline billet: SB27

A13

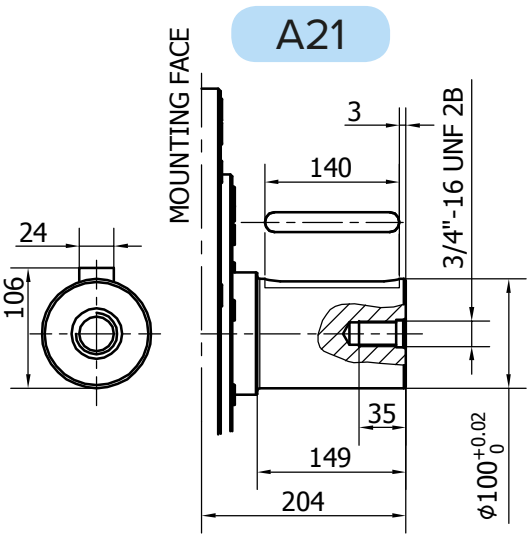


Available spline billet: SB24

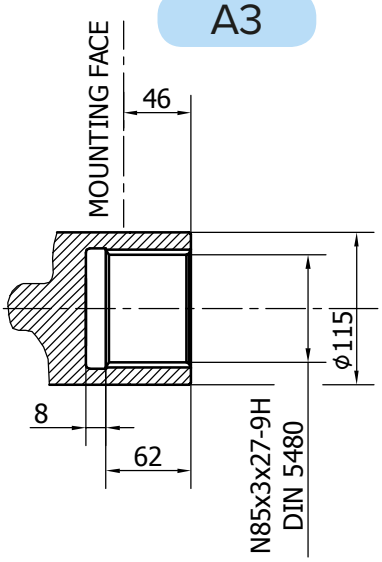
A2



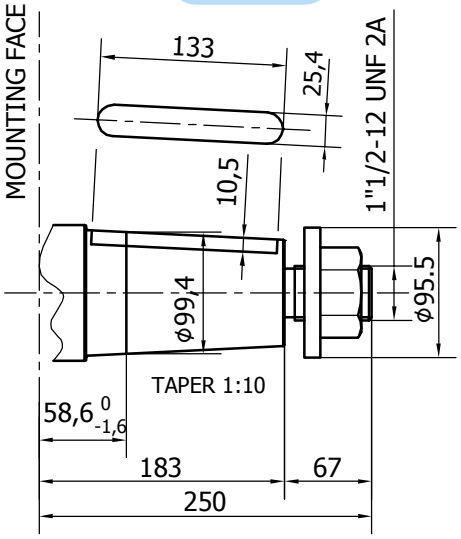
A21



A3

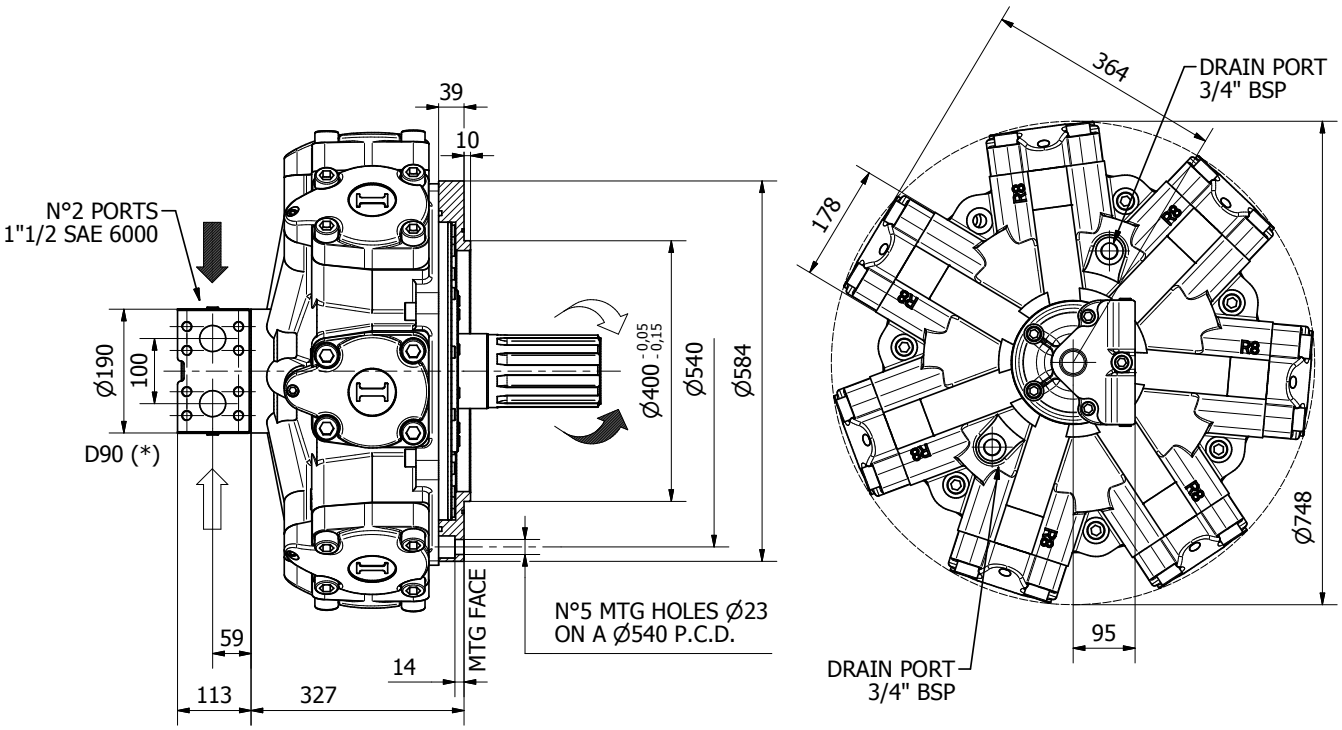


A4



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R8M H7/C



Available distributor flange: FL8

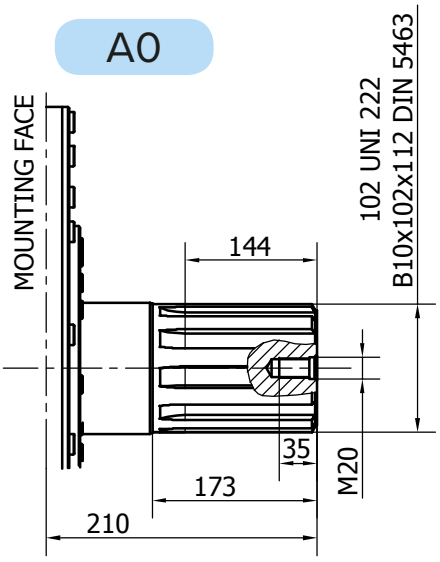
Refer to page 190-191
(distributor fitting D90)

TECHNICAL DATA

		3400	3600	3900	4300	4600	5000	5400
DISPLACEMENT	[cc]	3413	3650	3907	4343	4616	5088	5384
SPECIFIC TORQUE	[Nm/bar]	54.3	58.1	62.2	69.1	73.5	81.0	85.7
MAX. CONT. PRESSURE	[bar]	270	270	270	270	270	260	250
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	180	170	160	150	140	140	130
PEAK SPEED (***)	[rpm]	220	200	200	190	190	180	170
MAX. CONT. POWER (****)	[kW]	132	132	132	132	132	132	132
MAX. POWER	[kW]	182	182	182	182	182	182	182
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6	6
DRY WEIGHT	[kg]	405	405	405	405	405	405	405
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

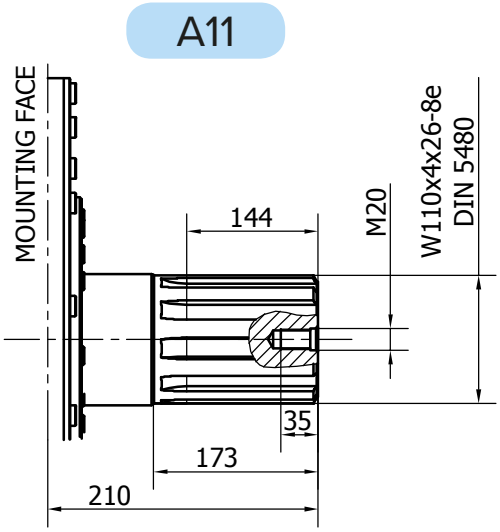
- (*) The standard distributor (D90) is shown. Please refer to distributors section (pag. 178-179) for differents distributor interfaces.
- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (***) Do not exceed maximum power.
- (****) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required (see pag. 13). For more information please contact our technical department.

A0

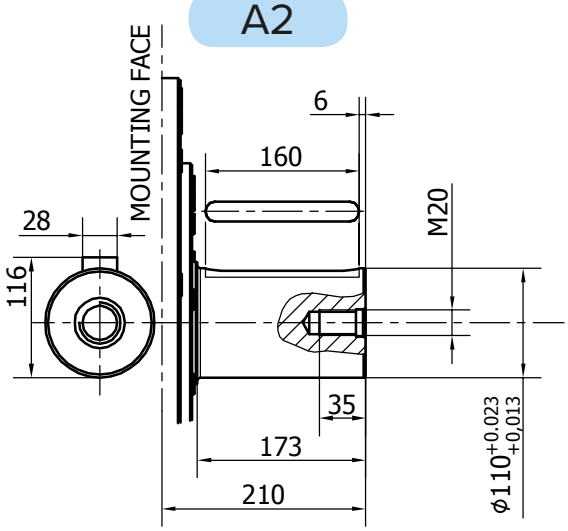


Available spline billet: SB11

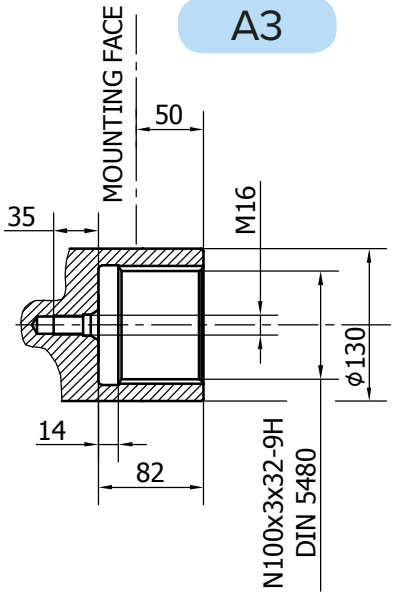
A11



A2

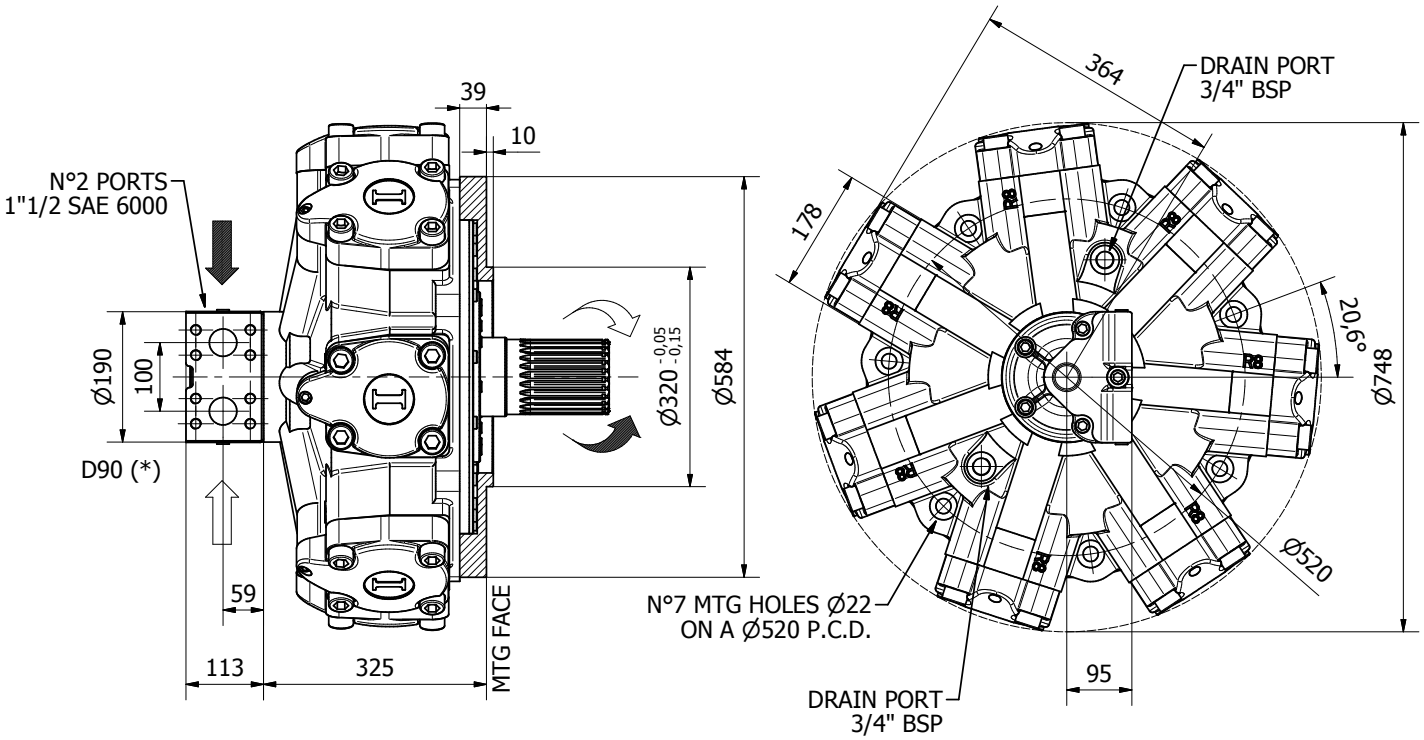


A3



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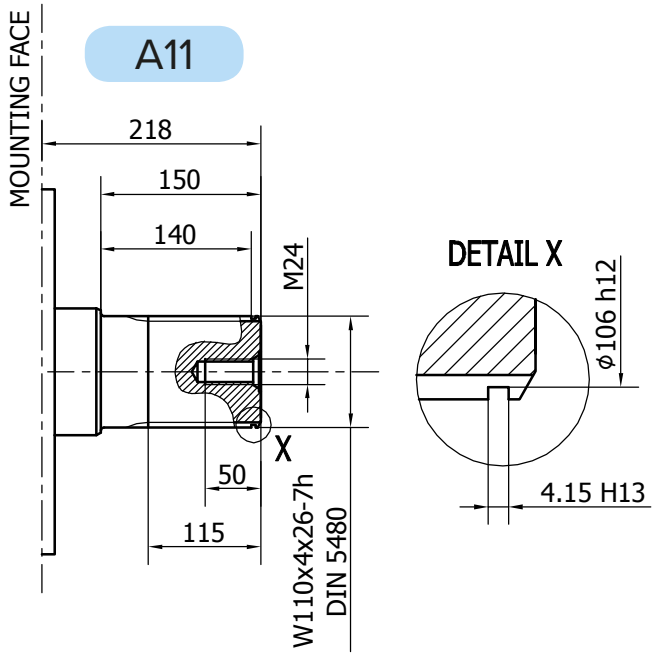
R8M H7/RM



TECHNICAL DATA

		3400	3600	3900	4300	4600	5000	5400
DISPLACEMENT	[cc]	3413	3650	3907	4343	4616	5088	5384
SPECIFIC TORQUE	[Nm/bar]	54.3	58.1	62.2	69.1	73.5	81.0	85.7
MAX. CONT. PRESSURE	[bar]	270	270	270	270	270	260	250
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	180	170	160	150	140	140	130
PEAK SPEED (***)	[rpm]	220	200	200	190	190	180	170
MAX. CONT. POWER (****)	[kW]	132	132	132	132	132	132	132
MAX. POWER	[kW]	182	182	182	182	182	182	182
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6	6
DRY WEIGHT	[kg]	405	405	405	405	405	405	405
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

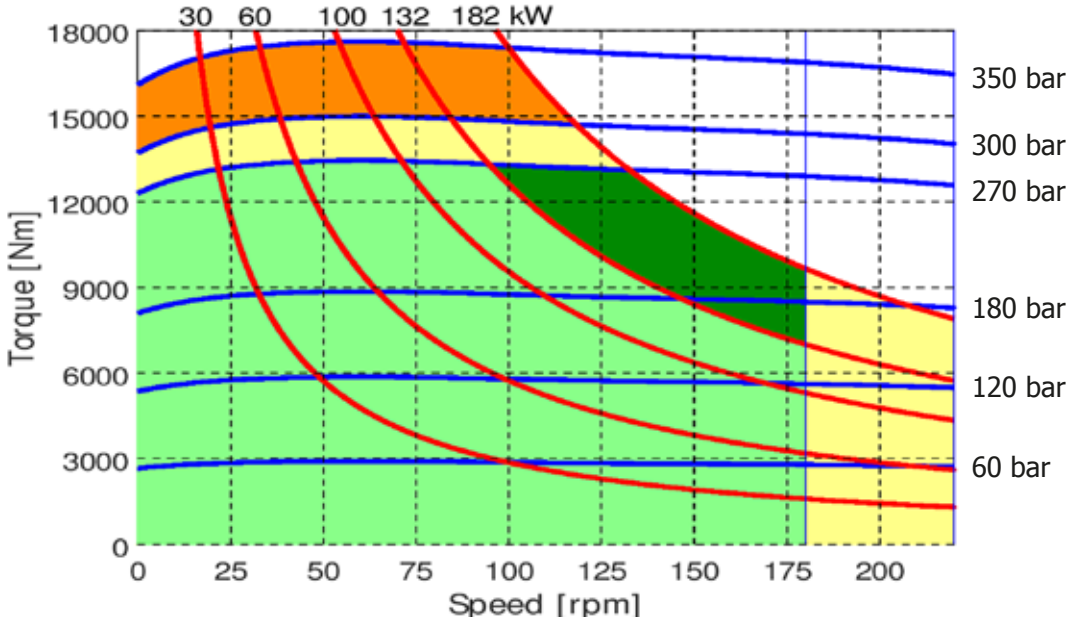
- (*) The standard distributor (D90) is shown. Please refer to distributors section (pag. 178-179) for differents distributor interfaces.
- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (***) Do not exceed maximum power.
- (****) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required (see pag. 13). For more information please contact our technical department.



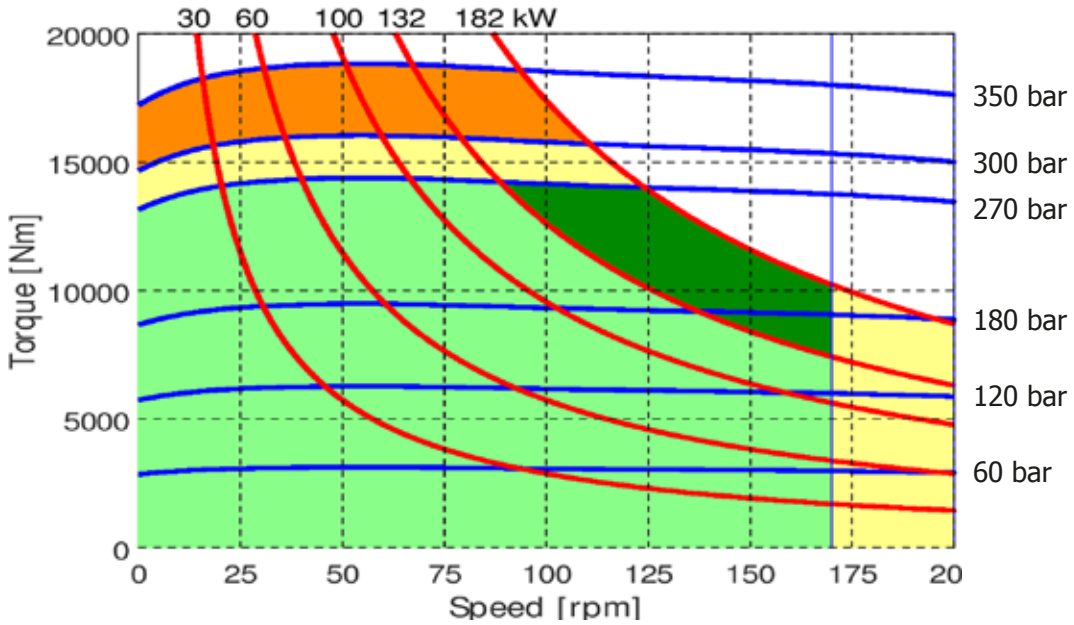
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R8M H7 - PERFORMANCE CURVES

R8M 3400 H7



R8M 3600 H7



Continuous operation

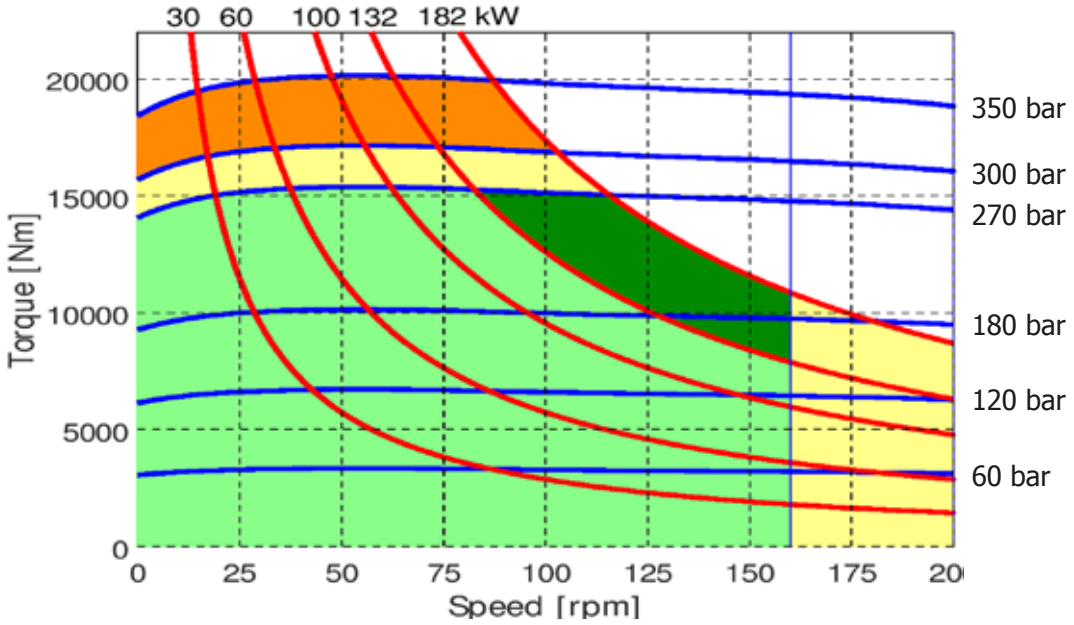
Continuous operation with flushing or intermittent operation (see below for intermittent operation)

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

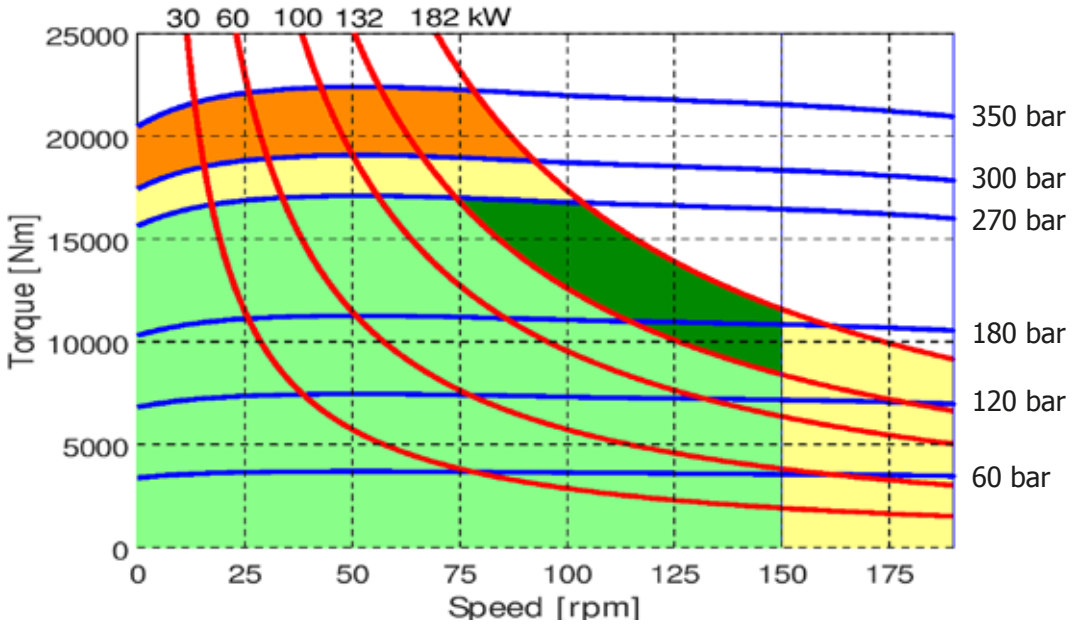
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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.

R8M 3900 H7



R8M 4300 H7



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

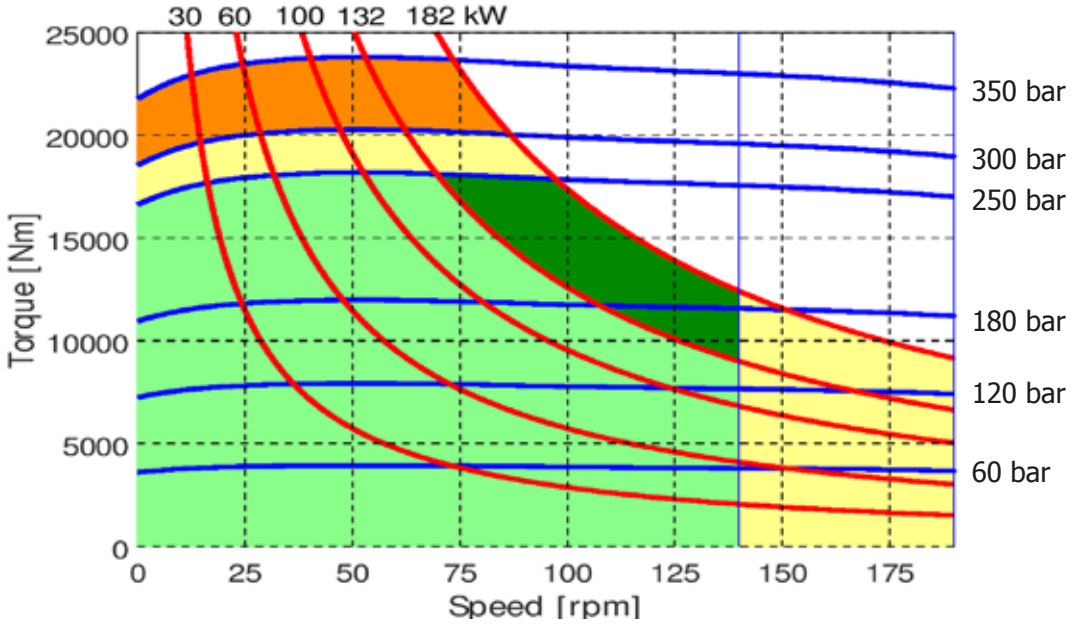
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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.

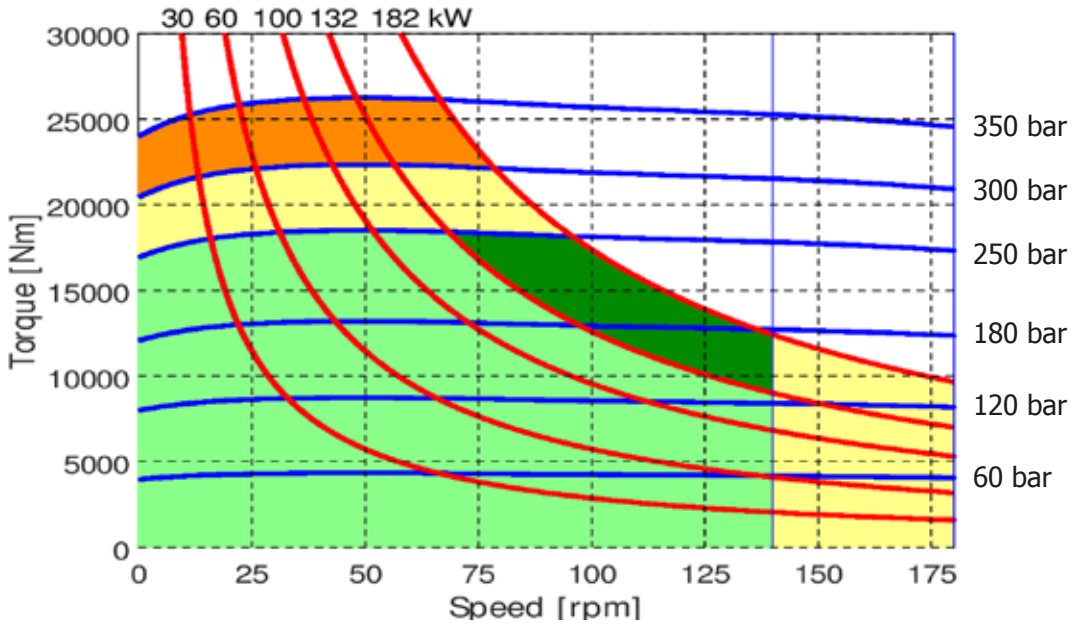
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R8M H7 - PERFORMANCE CURVES

R8M 4600 H7



R8M 5000 H7



Continuous operation

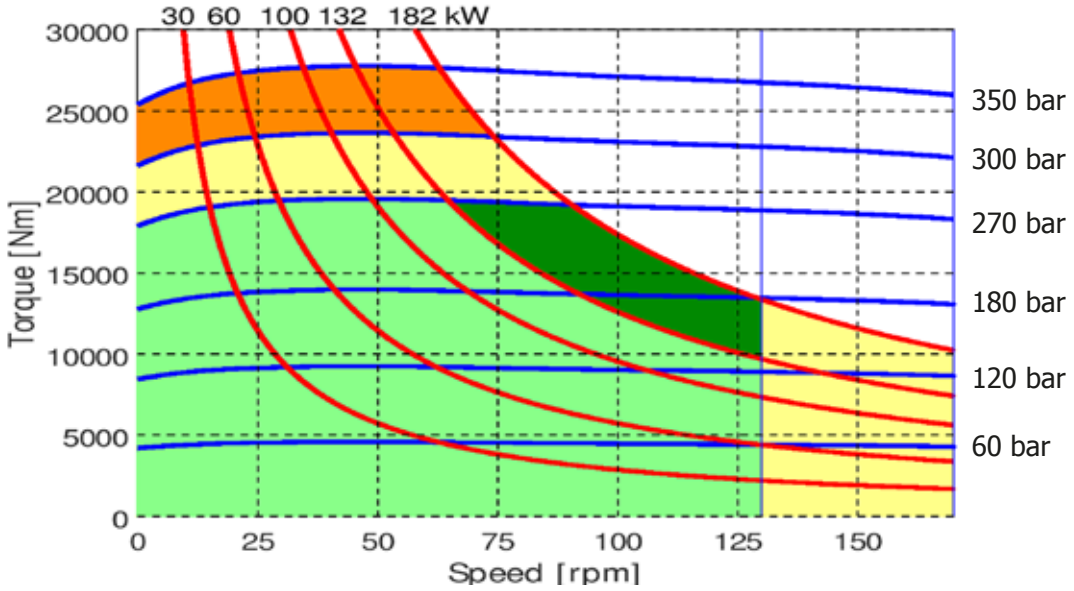
Continuous operation with flushing or intermittent operation (see below for intermittent operation)

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.

R8M 5400 H7

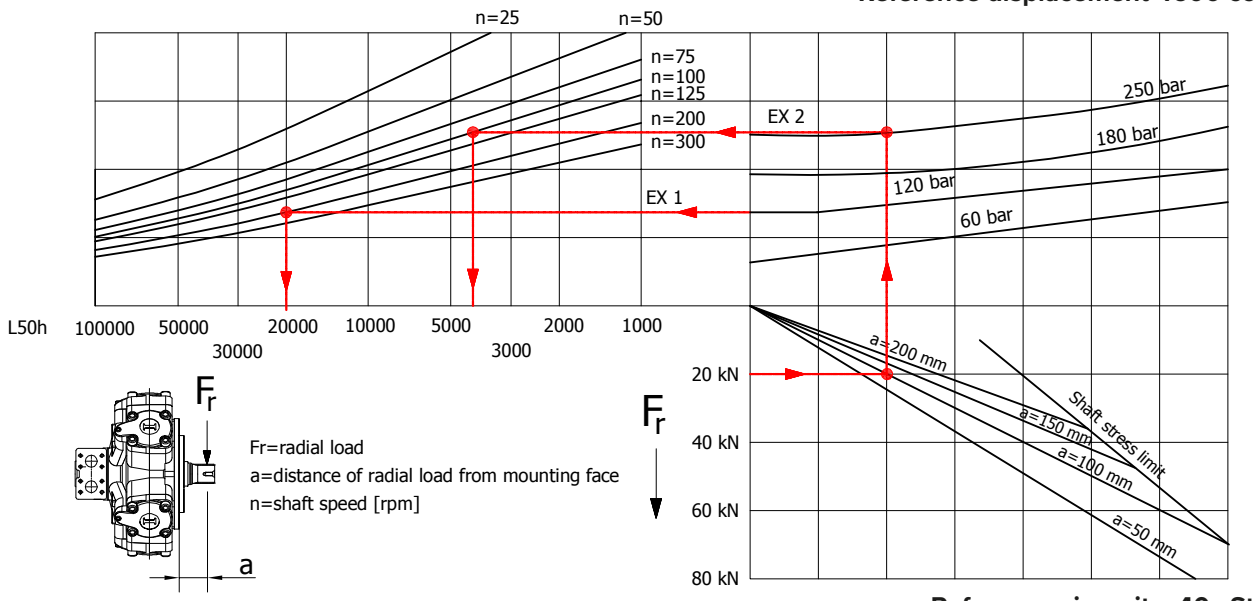


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R8M H7 - PERFORMANCE CURVES

BEARING LIFE

Reference displacement 4600 cc



Reference viscosity: 40 cSt

Example:
We suppose (EX1): p=120 [bar], n=200 [rpm]; we obtain an average lifetime of 20000 [h].
If we suppose (EX2): F_r=20 [kN], a=100 [mm], n=100 [rpm] and p=250 [bar] we obtain an average lifetime of 4000 [h].

The above data are referring to the R8M H7 series motors, displacement 4600 cc.

R8M H7 - ORDERING CODE

R8M | - - | - - | H7 | - - | - - | - - | - - | SB -

DISPLACEMENT
- 3400
- 3600
- 3900
- 4300
- 4600
- 5000
- 5400

INTERCHANGEABILITY
- /C
- /RM

SERIE
- H7

SHAFT
- A0
- A01
- A1
- A11
- A12
- A13
- A2
- A21
- A3
- A4

DISTRIBUTOR
- D90
- D90J

See pag. 178-179

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

See pag. 180-184

SPECIAL FEATURES
- MP
- SPSL
- HPS
- CCW

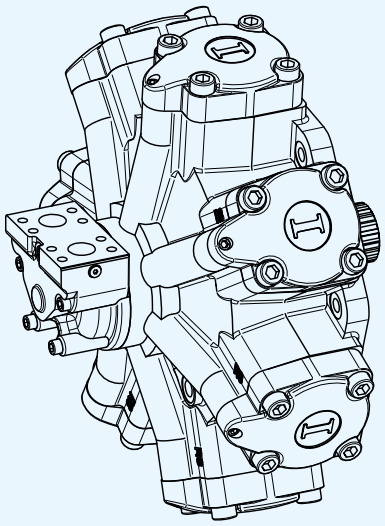
See pag. 23

- Z - -

Italgroup internal code

SPLINE BILLET
- SB10
- SB11
- SB24
- SB27

See pag. 185-188



EXAMPLES:

R8M 4600 H7 A1 D90 CCW
R8M 5000 H7 A0 D90 SB10
R8M 5400/C H7 A0 D90

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