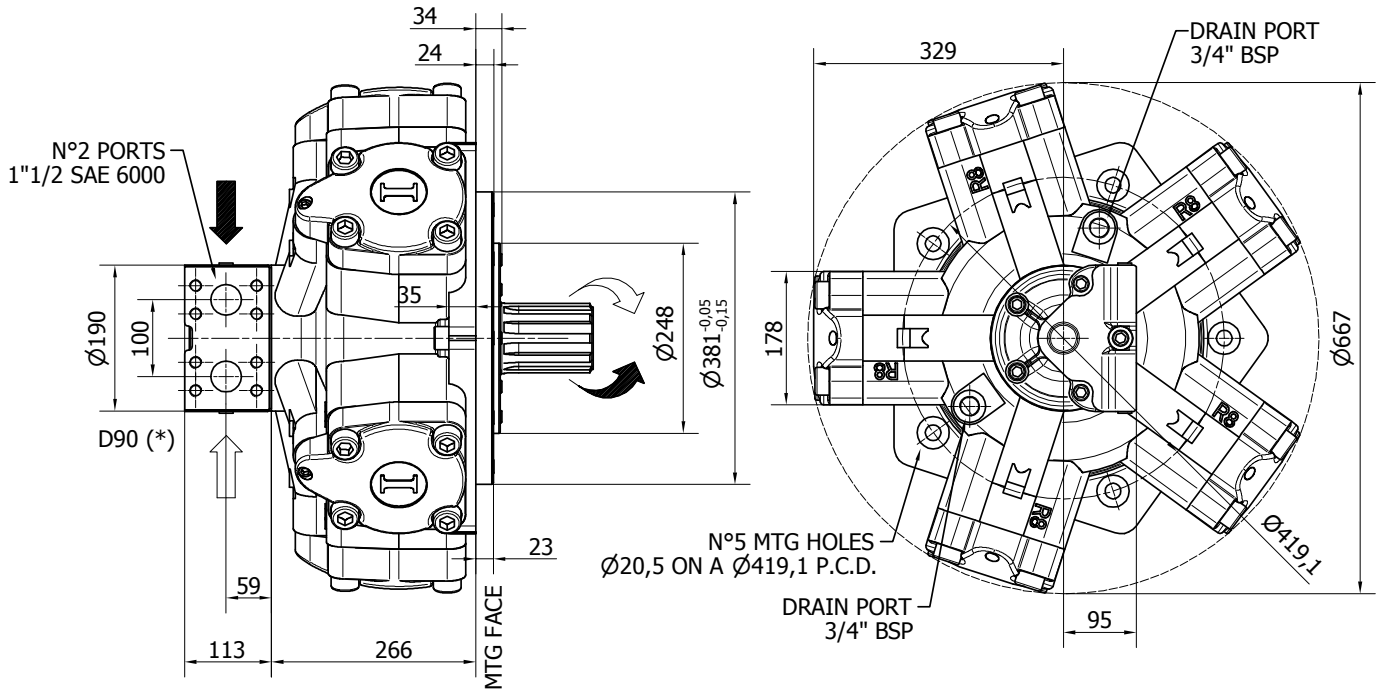
R8M H6

R8M H6	Pag. 152 - 153
R8M H6/C	Pag. 154 - 155
R8M 2200/B125-2500/B150-3000/B200 H6	Pag. 156 - 157
R8M H6 - PERFORMANCE CURVES	Pag. 158 - 161
R8M H6 - ORDERING CODE	Pag. 162

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R8M H6



Available distributor flange: FL7

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

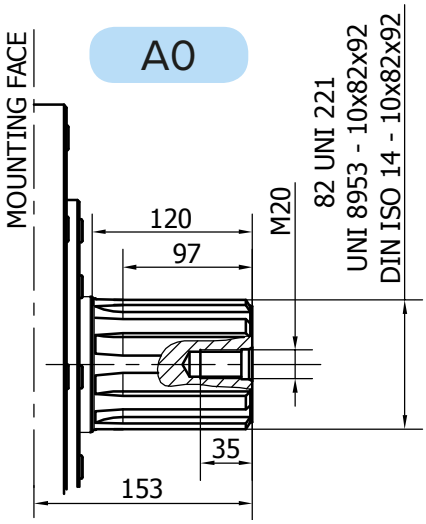
TECHNICAL DATA

		2200	2500	2800	3000	3200	3500
DISPLACEMENT	[cc]	2206	2525	2807	2983	3289	3479
SPECIFIC TORQUE	[Nm/bar]	35.1	40.2	44.7	47.5	52.3	55.4
MAX. CONT. PRESSURE	[bar]	270	270	270	270	260	250
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	220	220	220	210	200	200
PEAK SPEED (***)	[rpm]	260	260	260	250	240	240
MAX. CONT. POWER (****)	[kW]	122	122	122	122	122	122
MAX. POWER	[kW]	172	172	172	172	172	172
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6
DRY WEIGHT	[kg]	308	308	308	308	308	308
TEMPERATURE RANGE (**)	[°C]	-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.

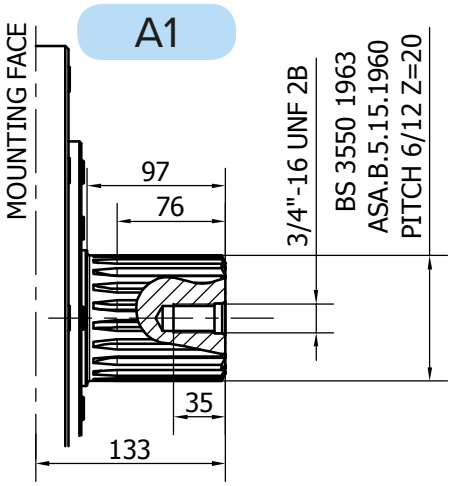
SHAFTS

A0



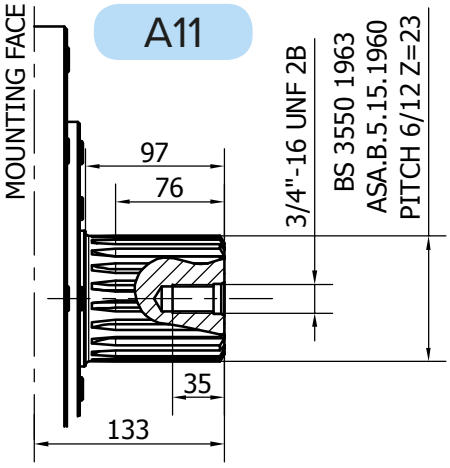
Available spline billet: SB9

A1



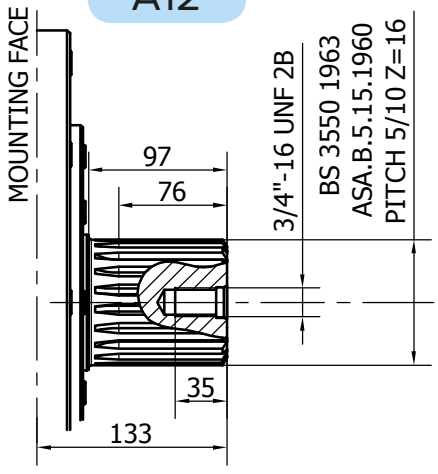
Available spline billet: SB10

A11



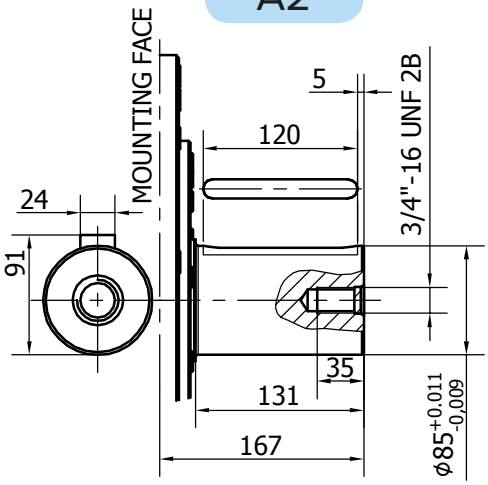
Available spline billet: SB24

A12

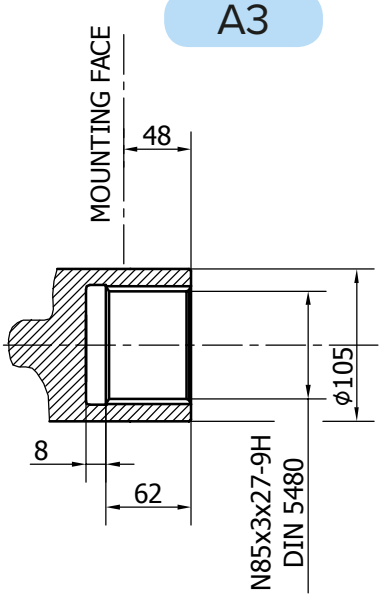


Available spline billet: SB27

A2

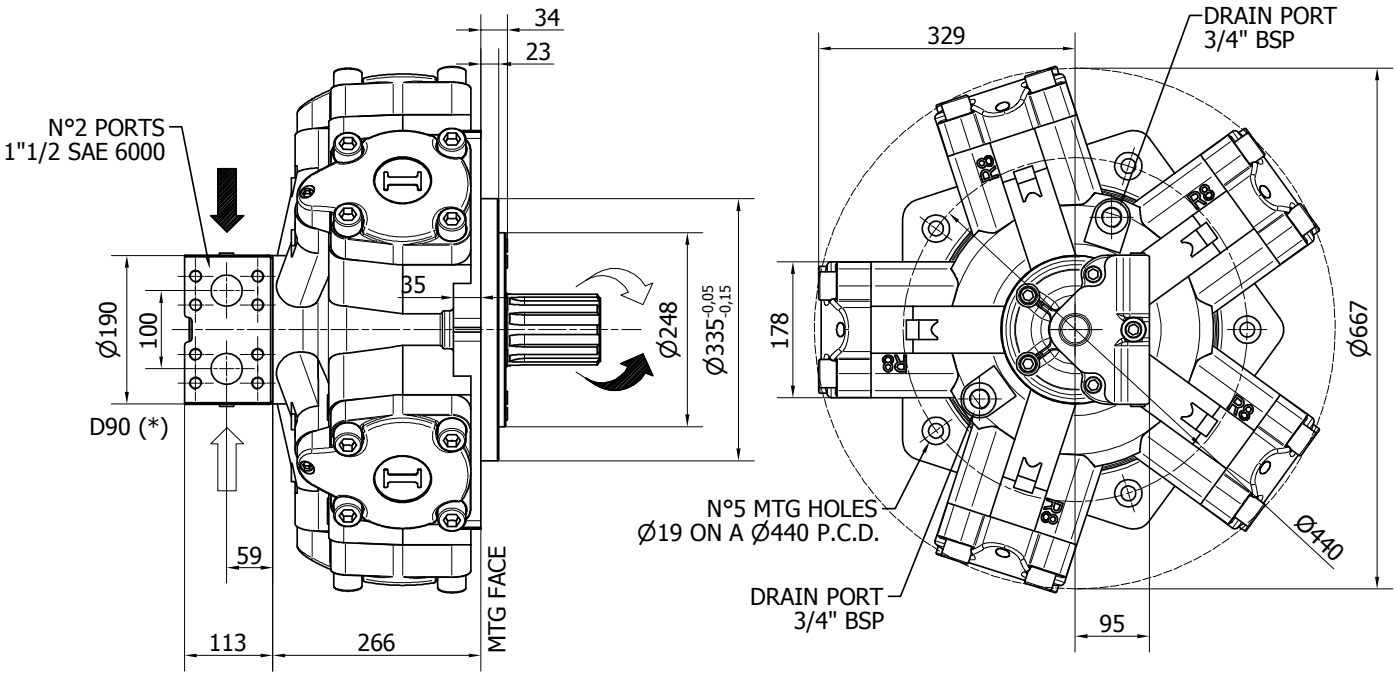


A3



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R8M H6/C



Available distributor flange: FL10

For S04, refer to page 190-191 (distributor fitting D75)

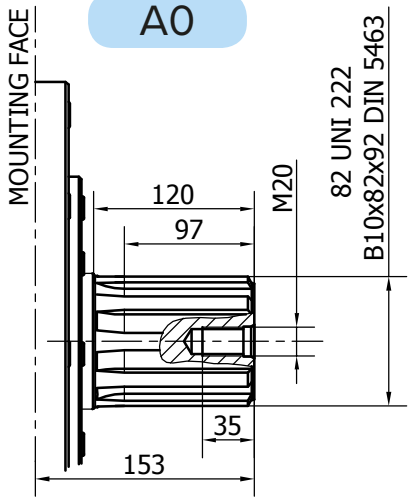
TECHNICAL DATA

		2200	2500	2800	3000	3200	3500
DISPLACEMENT	[cc]	2206	2525	2807	2983	3289	3479
SPECIFIC TORQUE	[Nm/bar]	35.1	40.2	44.7	47.5	52.3	55.4
MAX. CONT. PRESSURE	[bar]	270	270	270	270	260	250
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	220	220	220	210	200	200
PEAK SPEED (***)	[rpm]	260	260	260	250	240	240
MAX. CONT. POWER (****)	[kW]	122	122	122	122	122	122
MAX. POWER	[kW]	172	172	172	172	172	172
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6
DRY WEIGHT	[kg]	308	308	308	308	308	308
TEMPERATURE RANGE (**)	[°C]	-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.

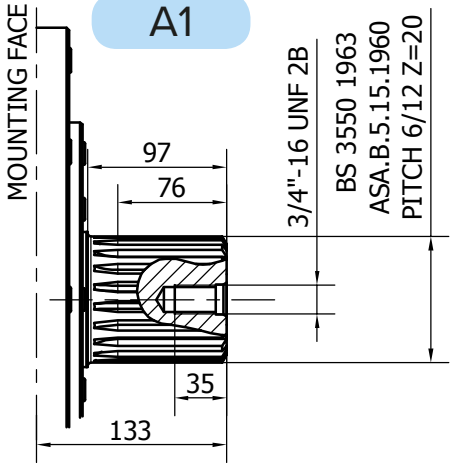
SHAFTS

A0



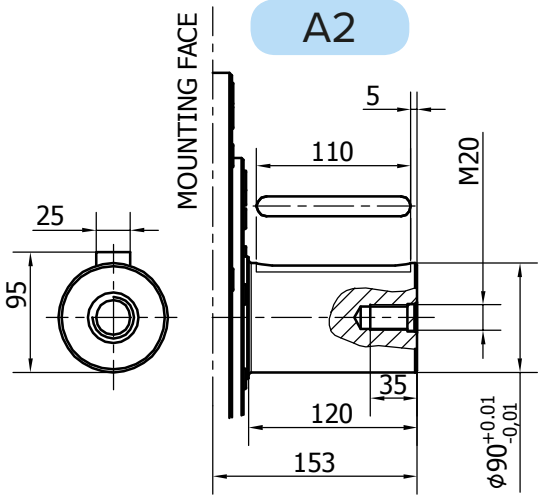
Available spline billet: SB9

A1

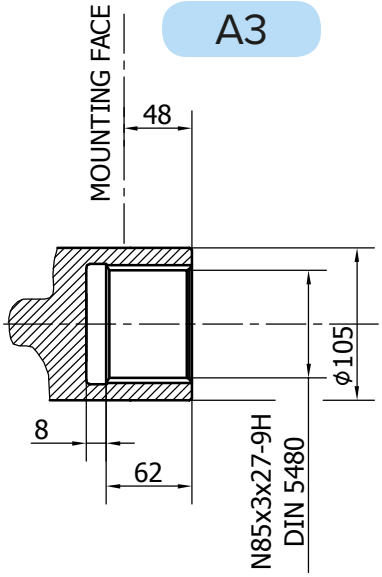


Available spline billet: SB10

A2

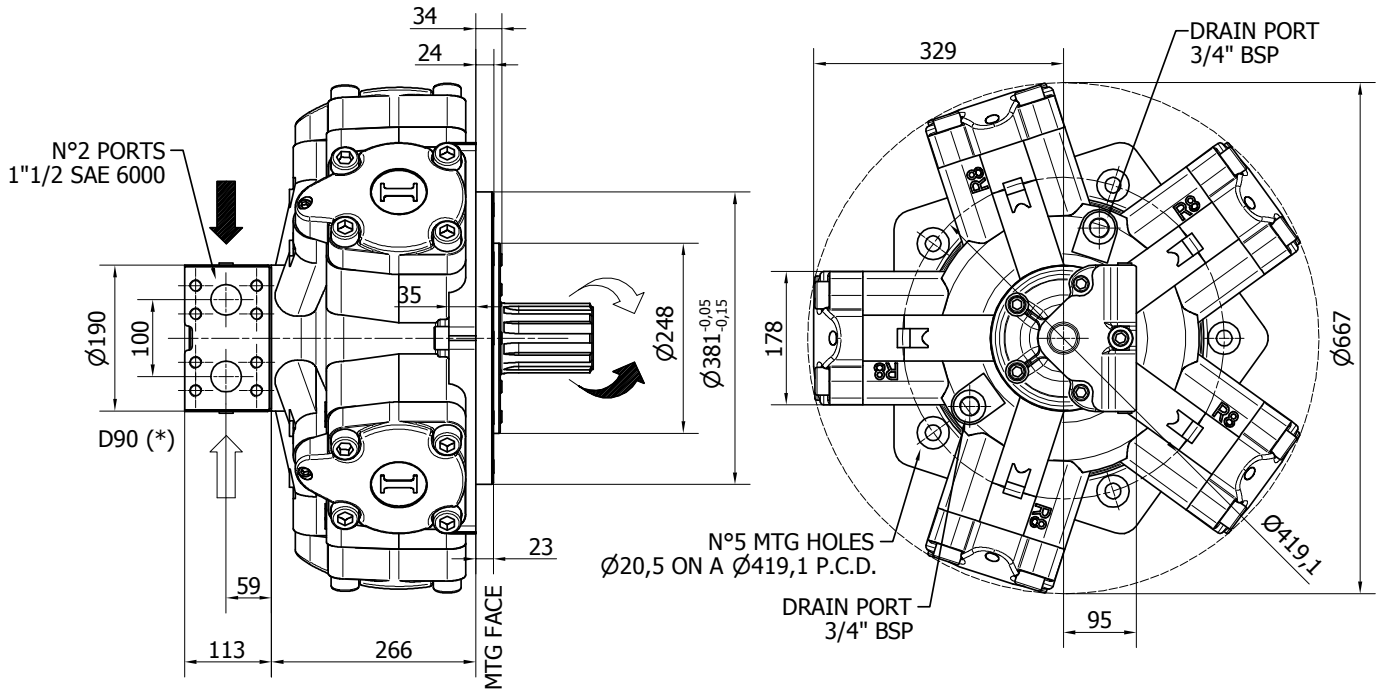


A3



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R8M 2200/B125-2500/B150-3000/B200 H6



Available distributor flange: FL7

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

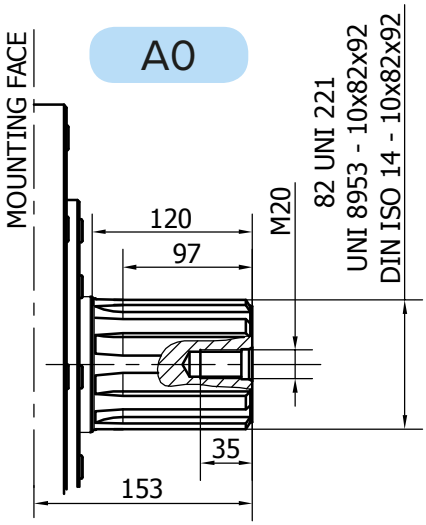
TECHNICAL DATA

		2200	2500	3000
DISPLACEMENT	[cc]	2206	2525	2983
SPECIFIC TORQUE	[Nm/bar]	35.1	40.2	47.5
MAX. CONT. PRESSURE	[bar]	270	270	270
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420
MAX. CONT. SPEED	[rpm]	220	220	210
PEAK SPEED (***)	[rpm]	260	260	250
MAX. CONT. POWER (****)	[kW]	122	122	122
MAX. POWER	[kW]	172	172	172
MAX. CASE PRESSURE	[bar]	6	6	6
DRY WEIGHT	[kg]	308	308	308
TEMPERATURE RANGE (**)	[°C]	-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.

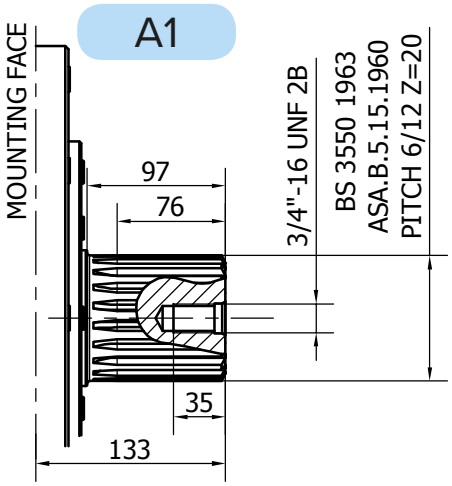
SHAFTS

A0



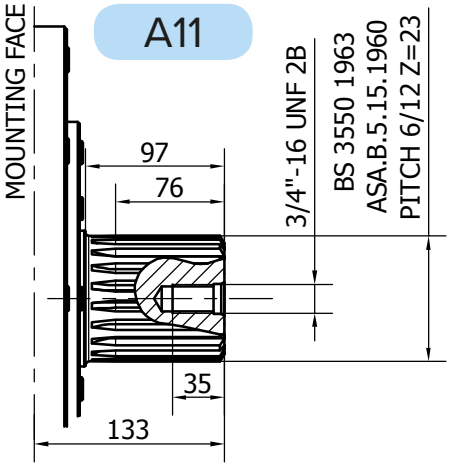
Available spline billet: SB9

A1



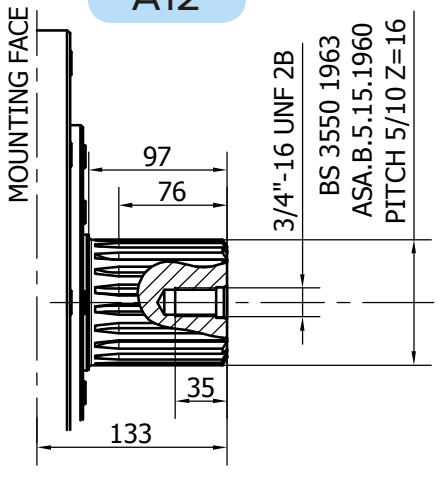
Available spline billet: SB10

A11



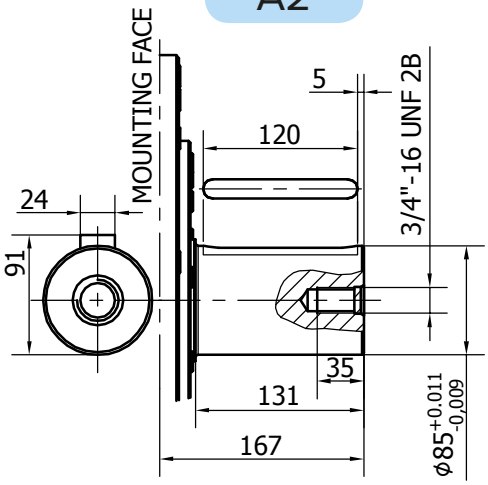
Available spline billet: SB24

A12

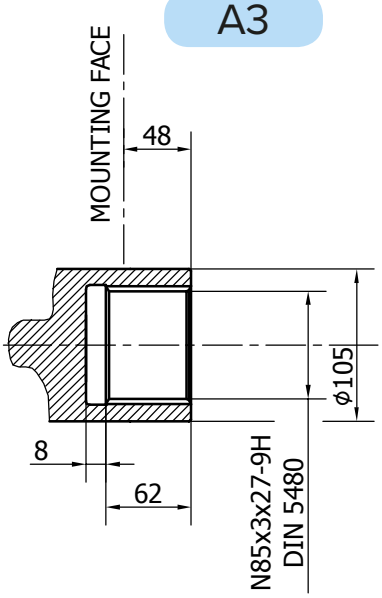


Available spline billet: SB27

A2



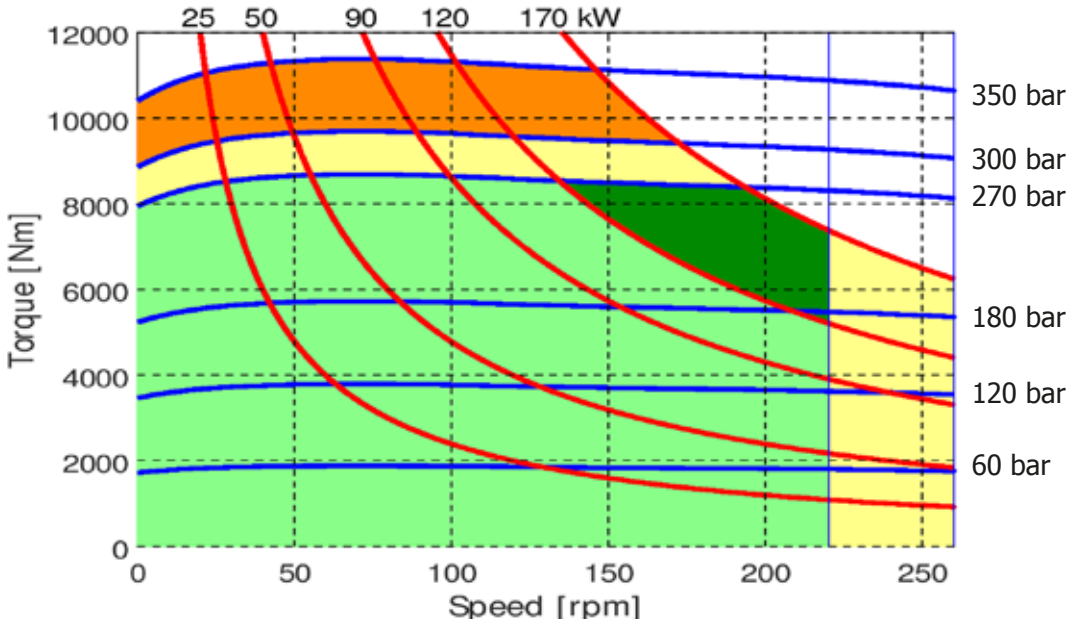
A3



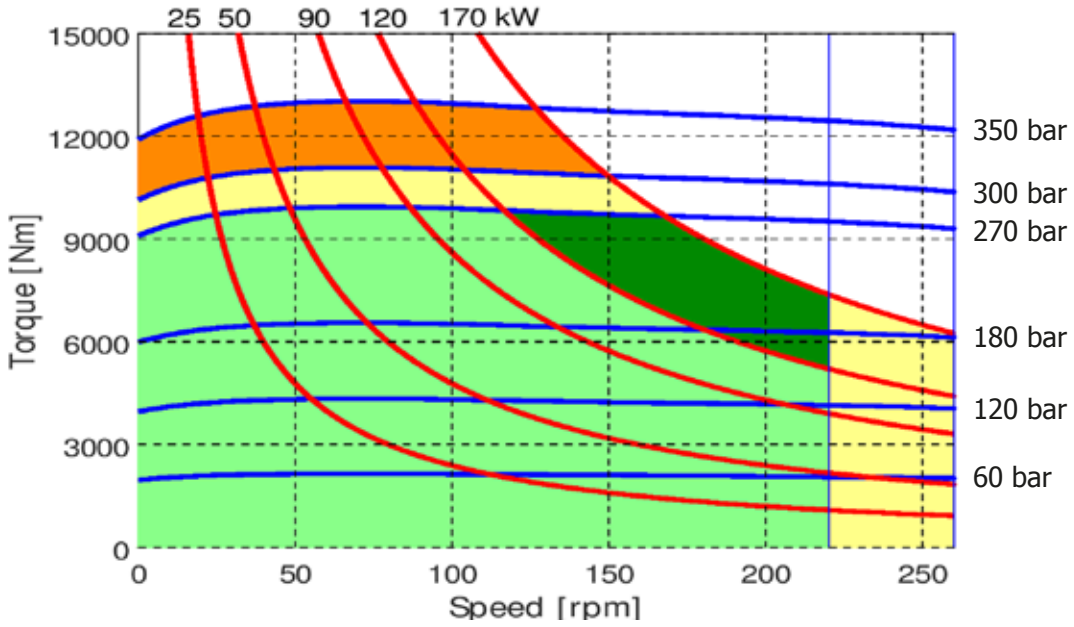
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R8M H6 - PERFORMANCE CURVES

R8M 2200 H6



R8M 2500 H6



Continuous operation

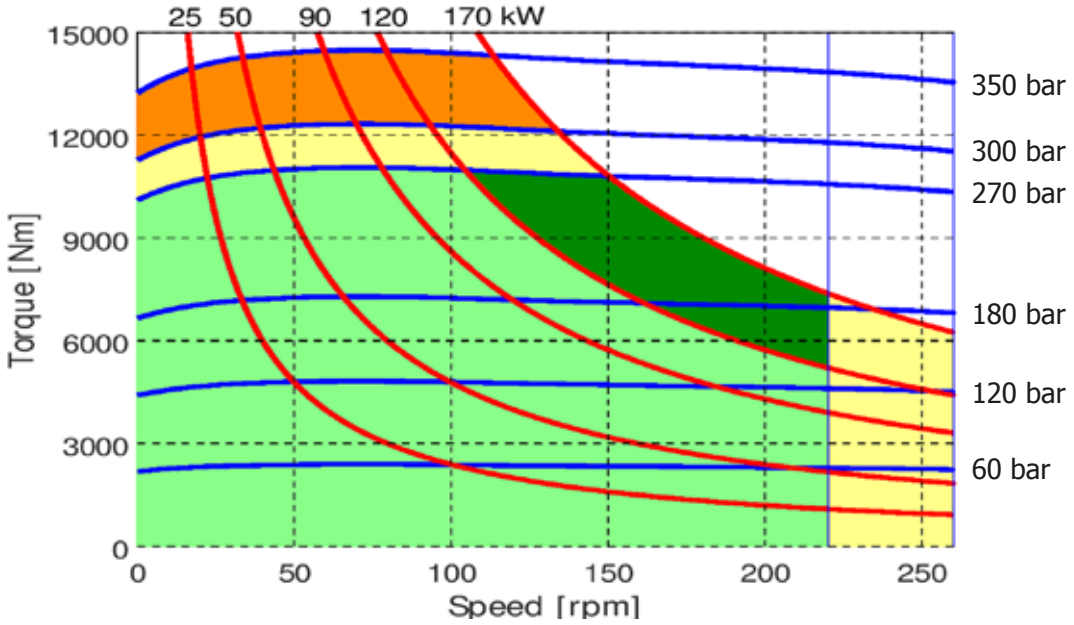
Continuous operation with flushing or intermittent operation (see below for intermittent operation)

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

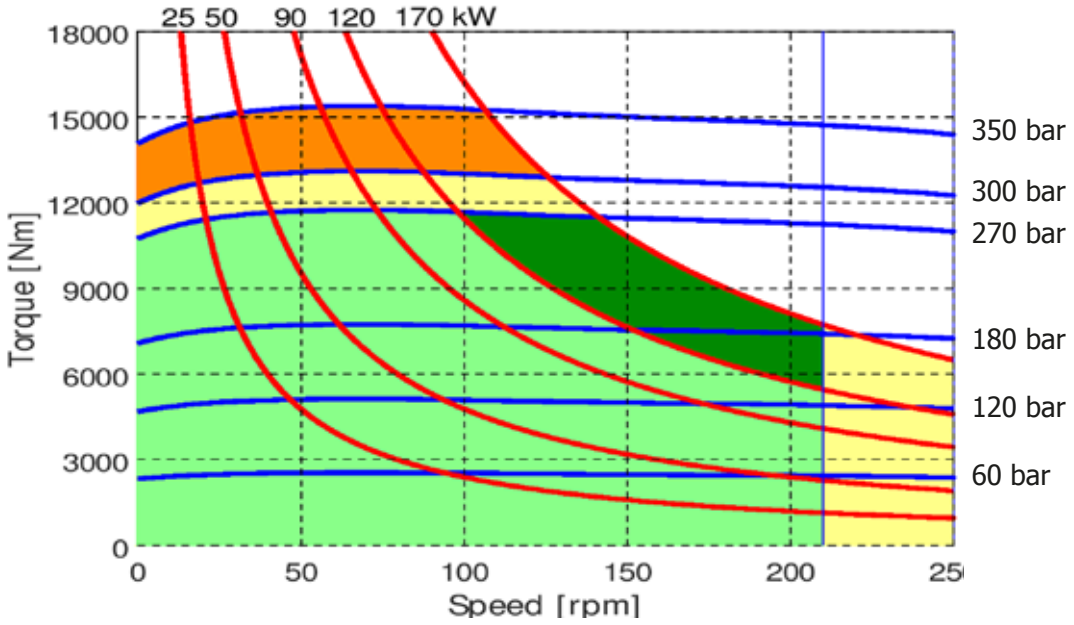
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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 2800 H6



R8M 3000 H6



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

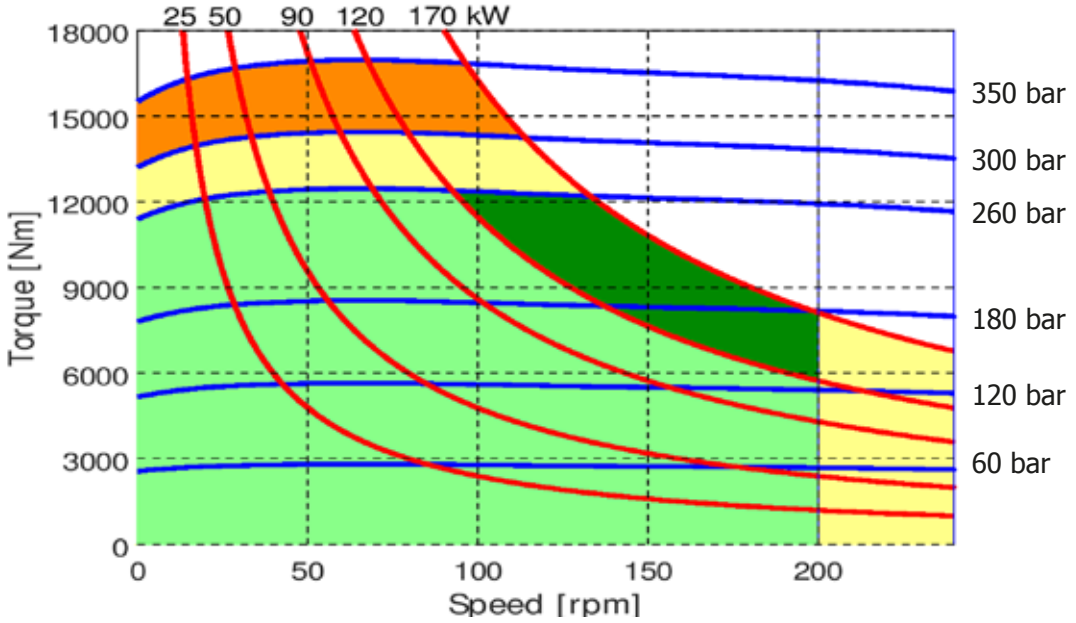
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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.

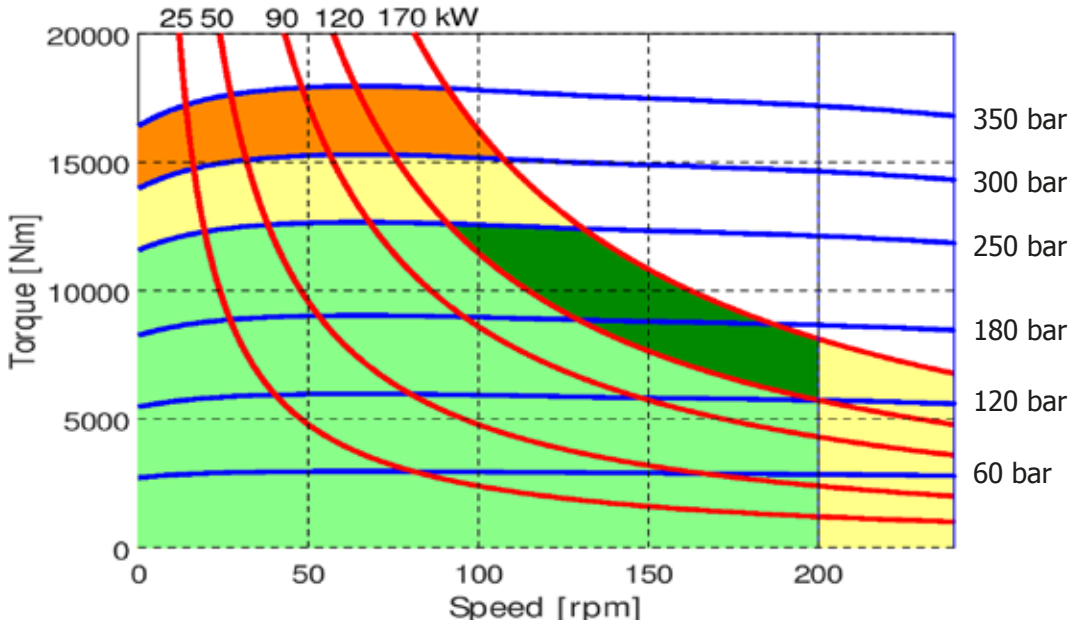
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R8M H6 - PERFORMANCE CURVES

R8M 3200 H6



R8M 3500 H6



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

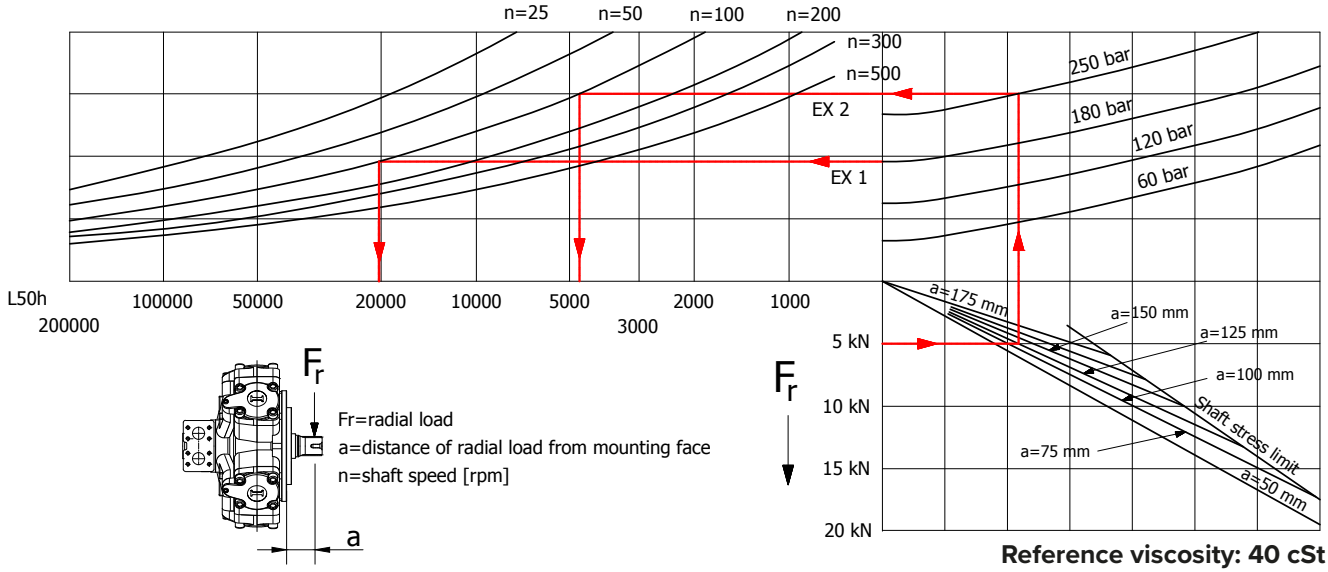
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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 H6 - BEARING LIFE

BEARING LIFE

Reference displacement 3000 cc



Reference viscosity: 40 cSt

Example:

We suppose (EX1): p=120 [bar], n=300 [rpm]; we obtain an average lifetime of 34000 [h].

If we suppose (EX2): F_r=20 [kN], a=100 [mm], n=50 [rpm] and p=250 [bar] we obtain an average lifetime of 13000 [h].

The above data are referring to the R8M H6 series motors, displacement 3000 cc.

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R8M H6 - ORDERING CODE

R8M | - - | - - | H6 | - - | - - | - - | - - | - - | SB -

DISPLACEMENT
- 2200
- 2500
- 2800
- 3000
- 3200
- 3500

INTERCHANGEABILITY
- /C
- /B125
- /B150
- /B200
- /GM5

SERIE
- H6

SHAFT
- A0
- A1
- A11
- A12
- A2
- A3

DISTRIBUTOR
- D31B
- D31BJ
- D36B
- D36BJ
- D310B
- D310BJ
- D40
- D40J
- D47
- D47J
- D416
- D416J
- D75
- D75J
- 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

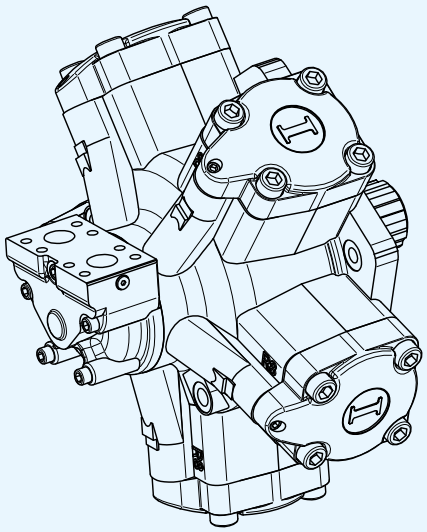
See pag. 23

- Z - -

Italgroup internal code

SPLINE BILLET
- SB9
- SB10
- SB24
- SB27

See pag. 185-188



EXAMPLES:

R8M 2200 H6 A1 D90J
R8M 3000 H6 A0 D90 SB9
R8M 2500/C H6 A0 D90J CCW SB9