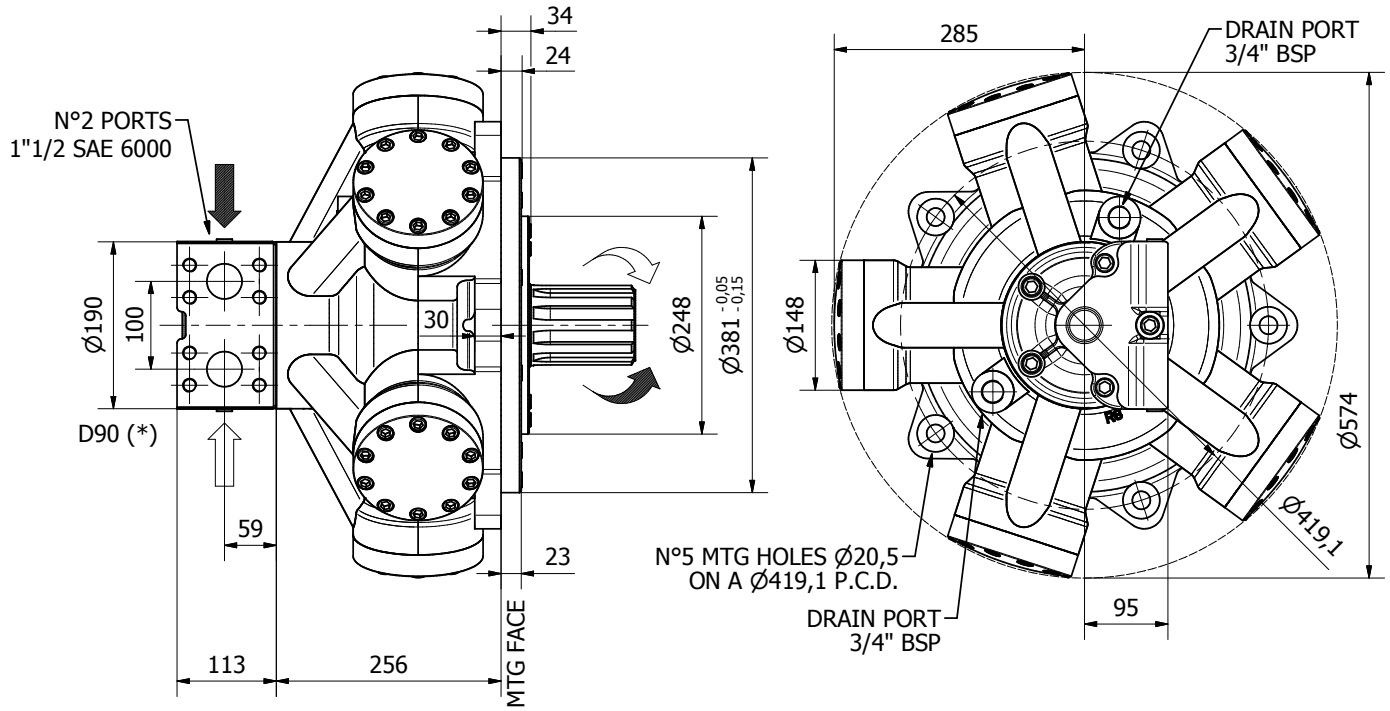
R8M H55

R8M H55	Pag. 142 - 143
R8M H55/C	Pag. 144 - 145
R8M H55 - PERFORMANCE CURVES	Pag. 146 - 148
R8M H55 - ORDERING CODE	Pag. 149

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R8M H55



Available distributor flange: FL7

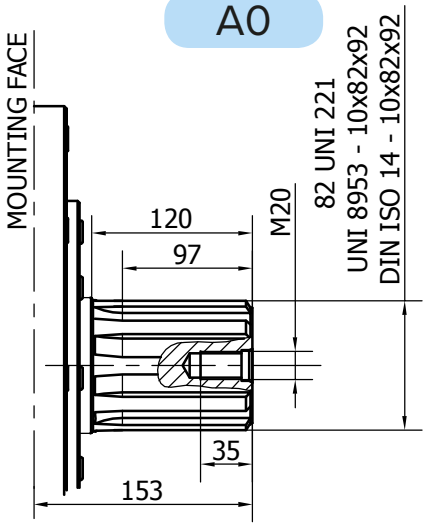
For S04, refer to page 190-191
(distributor fitting D90)

TECHNICAL DATA

		2200	2500	2800	3000
DISPLACEMENT	[cc]	2126	2525	2807	2983
SPECIFIC TORQUE	[Nm/bar]	33.8	40.2	44.7	48.2
MAX. CONT. PRESSURE	[bar]	270	270	260	260
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420
MAX. CONT. SPEED	[rpm]	240	240	240	230
PEAK SPEED (***)	[rpm]	280	280	280	270
MAX. CONT. POWER (****)	[kW]	120	120	120	120
MAX. POWER	[kW]	170	170	170	170
MAX. CASE PRESSURE	[bar]	6	6	6	6
DRY WEIGHT	[kg]	203	203	203	203
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70

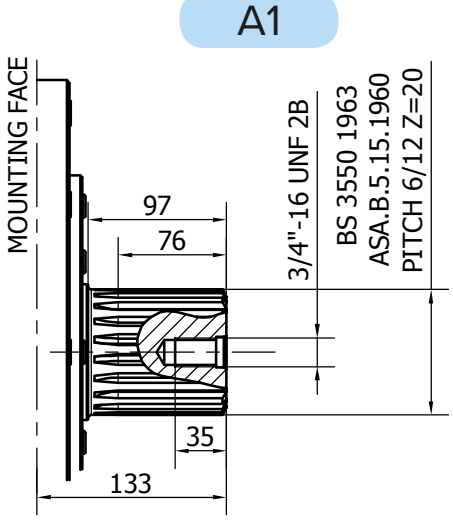
- (*) The standard distributor (D90) is shown. Please refer to distributors section (pag. 178-179) for differents distributor interfaces.
- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (***) Do not exceed maximum power.
- (****) For motor operation with a continuous duty cycle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

A0



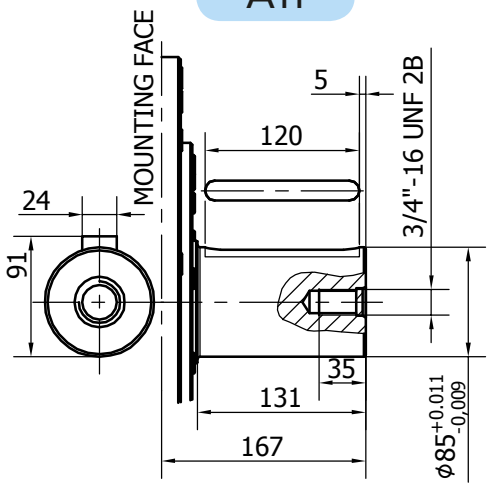
Available spline billet: SB9

A1



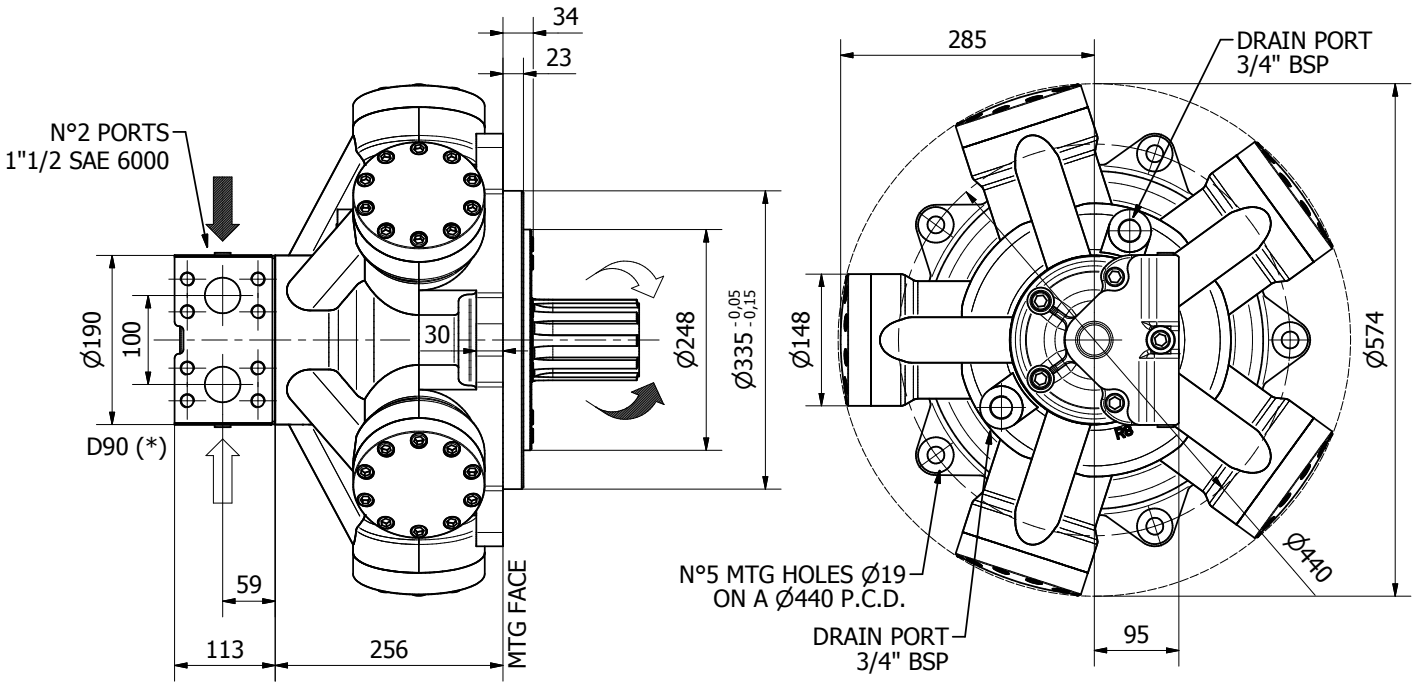
Available spline billet: SB10

A11



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R8M H55/C



Available distributor flange: FL10

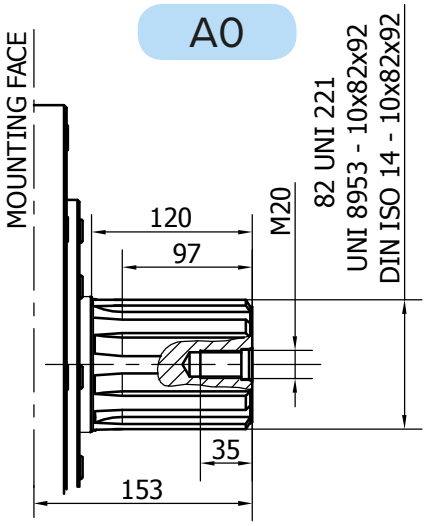
For S04, refer to page 190-191
(distributor fitting D75)

TECHNICAL DATA

		2200	2500	2800	3000
DISPLACEMENT	[cc]	2126	2525	2807	2983
SPECIFIC TORQUE	[Nm/bar]	33.8	40.2	44.7	48.2
MAX. CONT. PRESSURE	[bar]	270	270	260	260
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420
MAX. CONT. SPEED	[rpm]	240	240	240	230
PEAK SPEED (***)	[rpm]	280	280	280	270
MAX. CONT. POWER (****)	[kW]	120	120	120	120
MAX. POWER	[kW]	170	170	170	170
MAX. CASE PRESSURE	[bar]	6	6	6	6
DRY WEIGHT	[kg]	203	203	203	203
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70

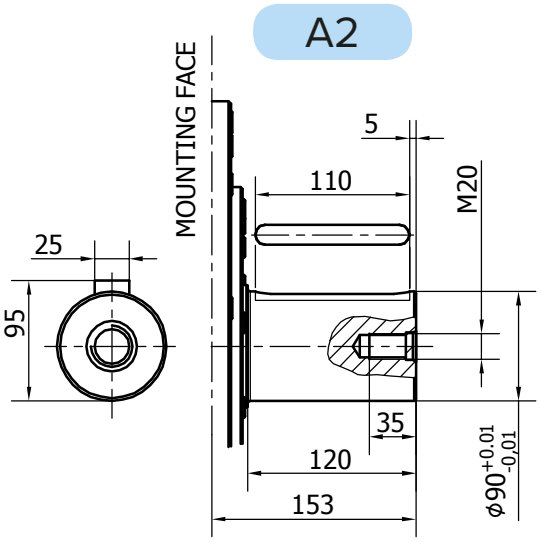
- (*) The standard distributor (D90) is shown. Please refer to distributors section (pag. 178-179) for differents distributor interfaces.
- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (***) Do not exceed maximum power.
- (****) For motor operation with a continuous duty cycle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

A0



Available spline billet: SB9

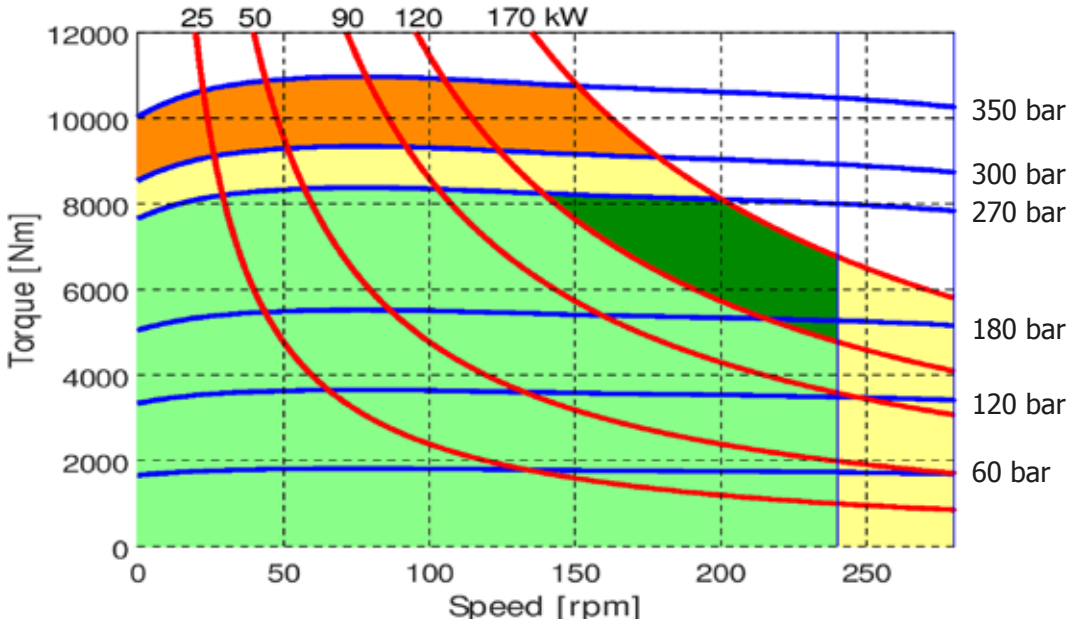
A2



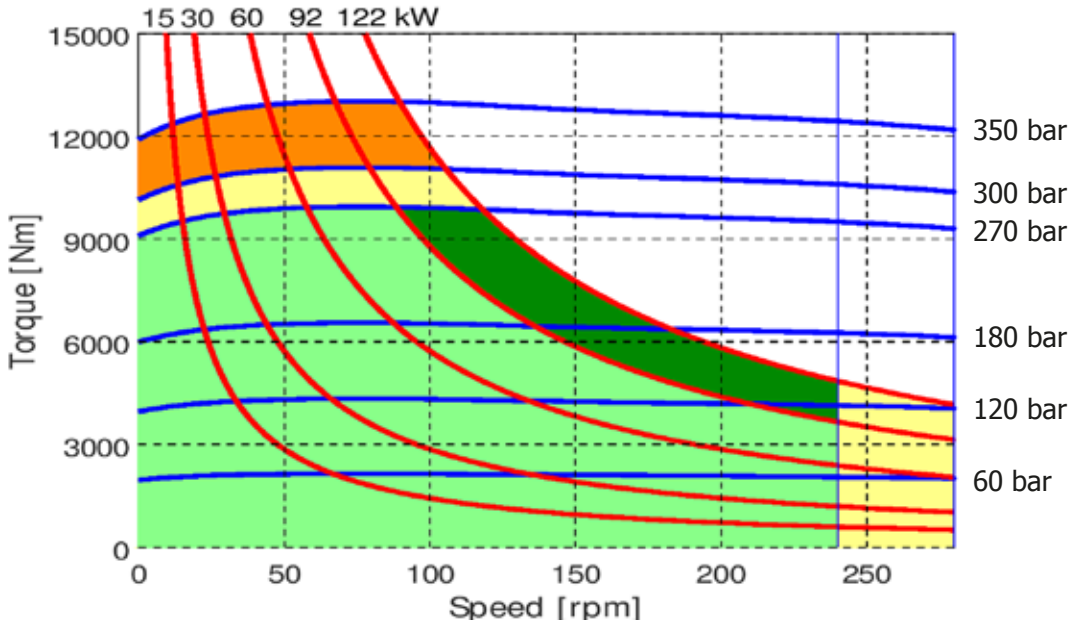
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R8M H55 - PERFORMANCE CURVES

R8M 2200 H55



R8M 2500 H55



Continuous operation

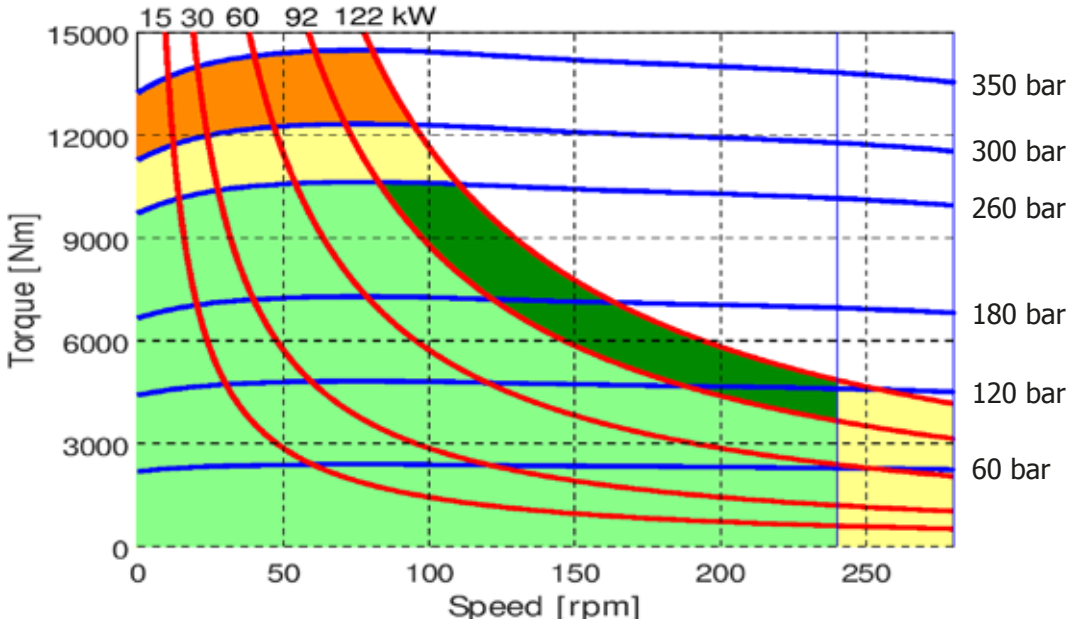
Continuous operation with flushing or intermittent operation (see below for intermittent operation)

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

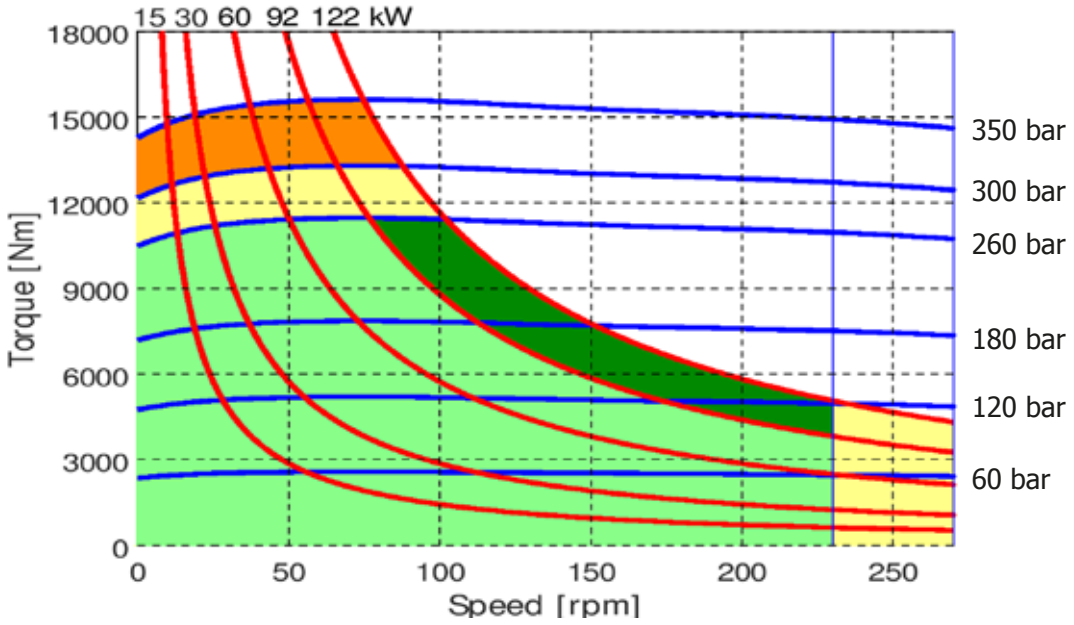
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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 H55



R8M 3000 H55



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)

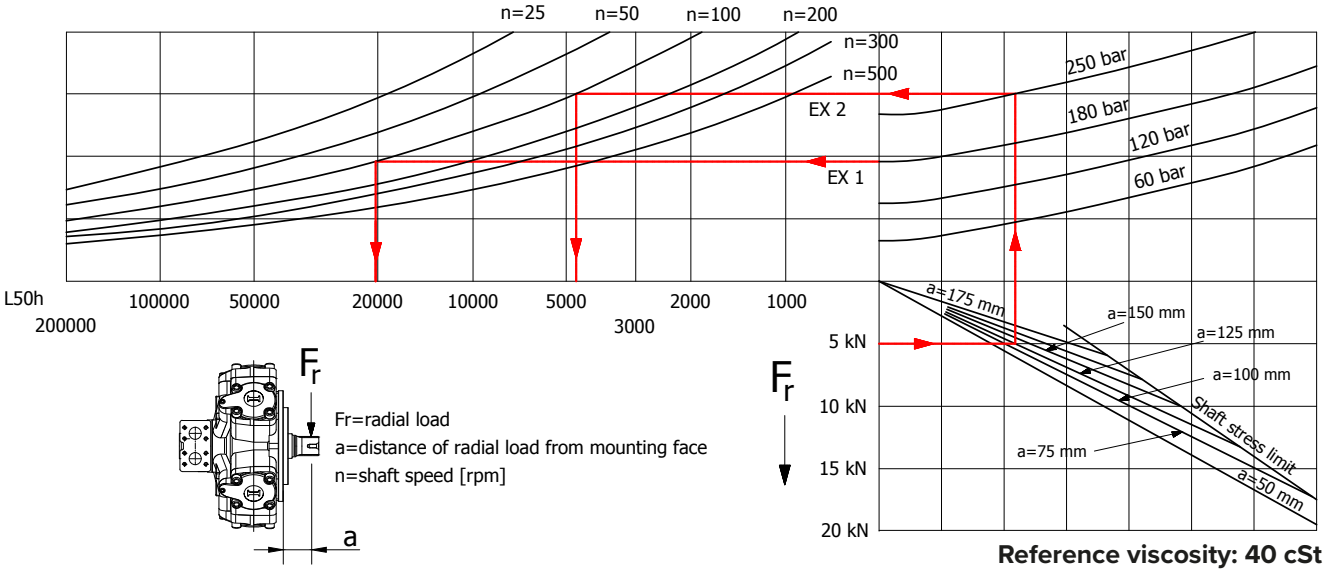
The above diagrams are referring to the hydraulic motor working with a fluid in ideal conditions (viscosity at 40 cSt). In case the working temperature increases and viscosity reach values under the recommended values (see hydraulic fluid recommendations) flushing must be performed or ISO oil grade must be changed. The working temperature must not overcome 70 °C.

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R8M H55 - PERFORMANCE CURVES

BEARING LIFE

Reference displacement 2200 cc



Reference viscosity: 40 cSt

Example:
We suppose (EX1): p=180 [bar], n=100 [rpm]; we obtain an average lifetime of 33000 [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 11000 [h].

The above data are referring to the R8M H55 series motors, displacement 2200 cc.

R8M H55 - ORDERING CODE

R8M - - - - H55 - - - - - - - - - - - - SB -

DISPLACEMENT
- 2200
- 2500
- 2800
- 3000

INTERCHANGEABILITY
- /C

SERIE
- H55

SHAFT
- A0
- A1
- A2

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

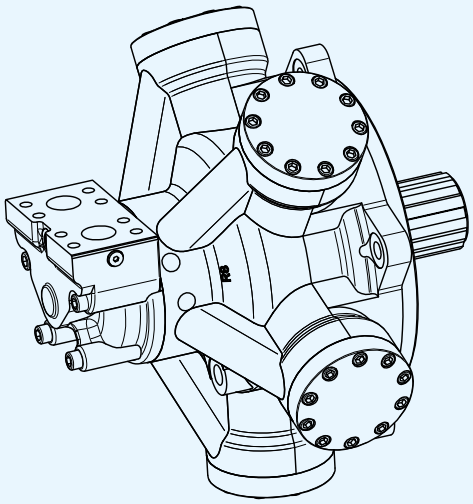
See pag. 23

- Z - -

Italgroup internal code

SPLINE BILLET
- SB9
- SB10

See pag. 185-188



EXAMPLES:

R8M 2500 H55 A1 D90 SB10
R8M 2200/C H55 A0 D75 SB9
R8M 3000 H55 A2 D90

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