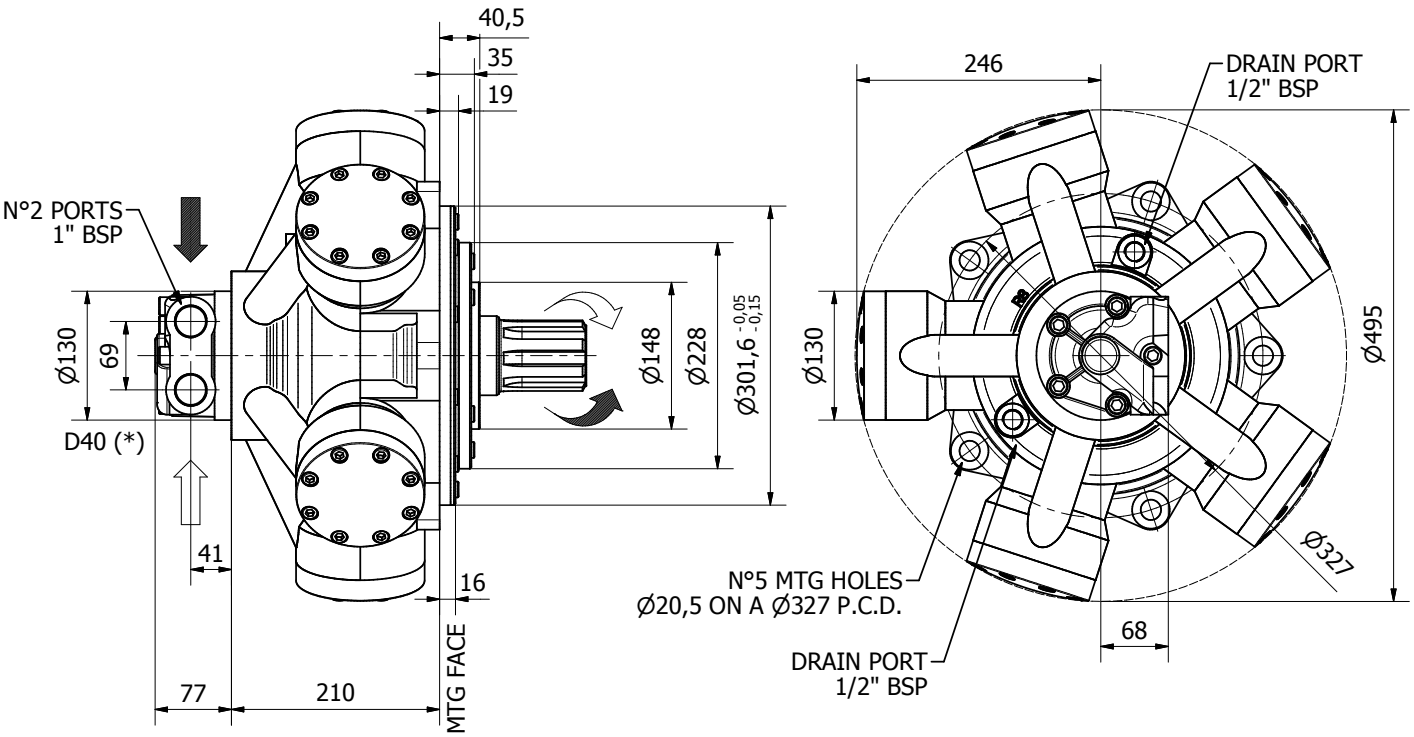
R8M H45

R8M H45	Pag. 112 - 113
R8M H45/C	Pag. 114 - 115
R8M H45 - PERFORMANCE CURVES	Pag. 116 - 118
R8M H45 - ORDERING CODE	Pag. 119

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R8M H45

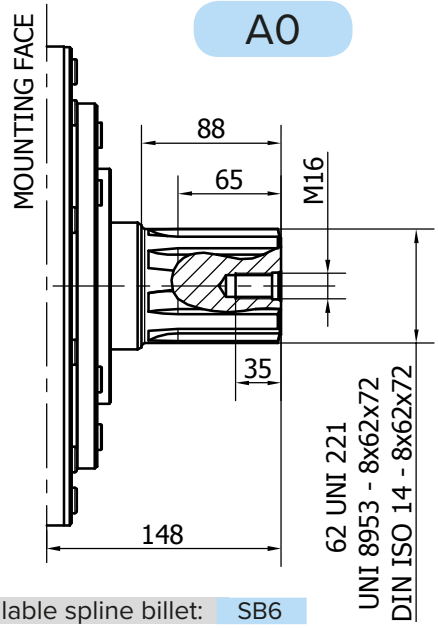


TECHNICAL DATA

		1100	1400	1600	1800
DISPLACEMENT	[cc]	1183	1376	1648	1815
SPECIFIC TORQUE	[Nm/bar]	18.8	21.9	26.2	28.9
MAX. CONT. PRESSURE	[bar]	270	270	260	250
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420	420
MAX. CONT. SPEED	[rpm]	350	300	275	250
PEAK SPEED (***)	[rpm]	400	350	325	300
MAX. CONT. POWER (****)	[kW]	85	85	85	85
MAX. POWER	[kW]	120	120	120	120
MAX. CASE PRESSURE	[bar]	6	6	6	6
DRY WEIGHT	[kg]	118	118	118	118
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70

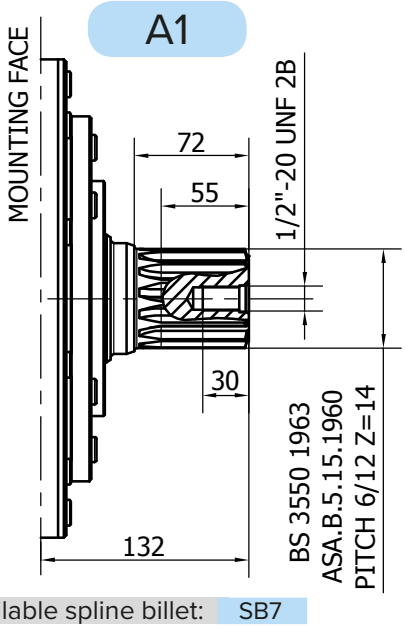
- (*) The standard distributor (D40) is shown. Please refer to distributors section (pag. 178-179) for differents distributor interfaces.
- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).
- (***) Do not exceed maximum power.
- (****) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required (see pag. 13). For more information please contact our technical department.

A0



Available spline billet: SB6

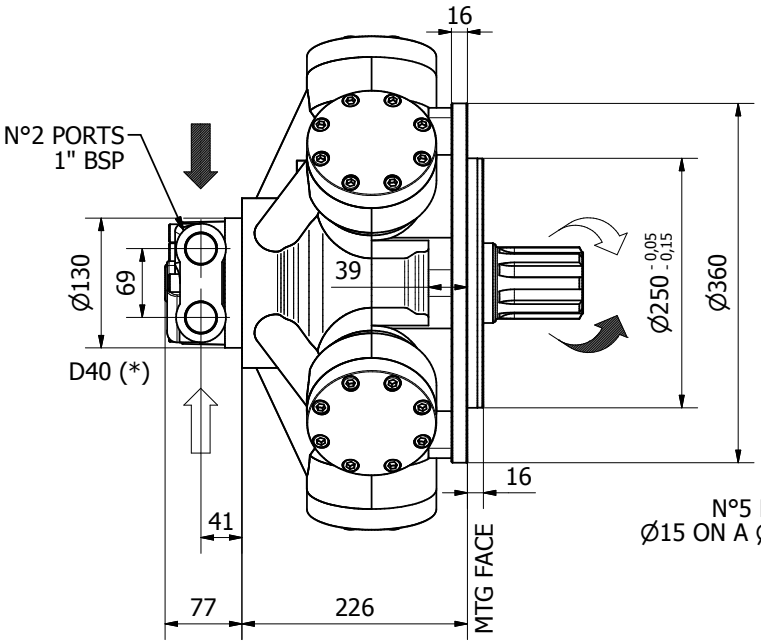
A1

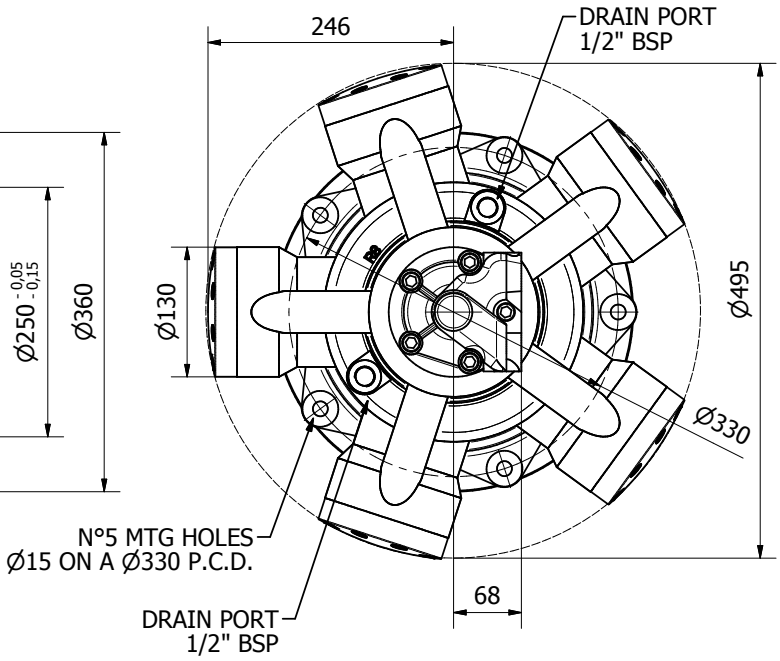


Available spline billet: SB7

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R8M H45/C





Available distributor flange: FL4

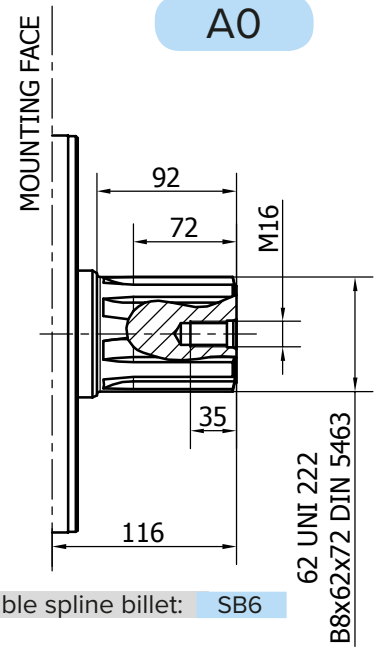
Refer to page 190-191
(distributor fitting D75)

TECHNICAL DATA

		1100	1400	1600
DISPLACEMENT	[cc]	1183	1376	1648
SPECIFIC TORQUE	[Nm/bar]	18.8	21.9	26.2
MAX. CONT. PRESSURE	[bar]	270	270	260
HYDROSTATIC TEST PRESSURE	[bar]	420	420	420
MAX. CONT. SPEED	[rpm]	350	300	275
PEAK SPEED (***)	[rpm]	400	350	325
MAX. CONT. POWER (****)	[kW]	85	85	85
MAX. POWER	[kW]	120	120	120
MAX. CASE PRESSURE	[bar]	6	6	6
DRY WEIGHT	[kg]	118	118	118
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70

- (*) The standard distributor (D40) 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

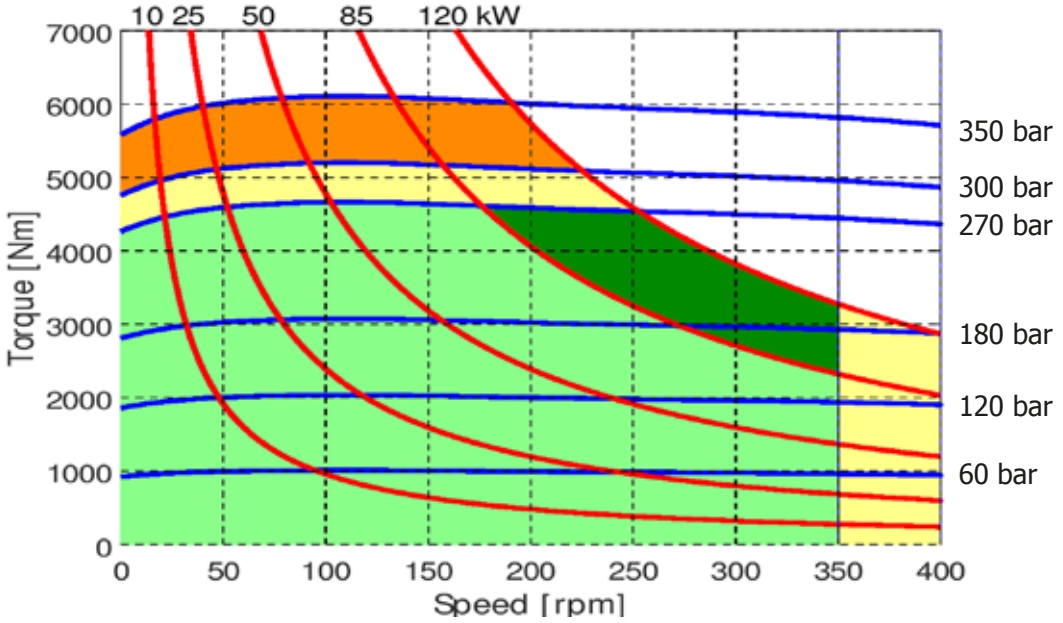


Available spline billet: SB6

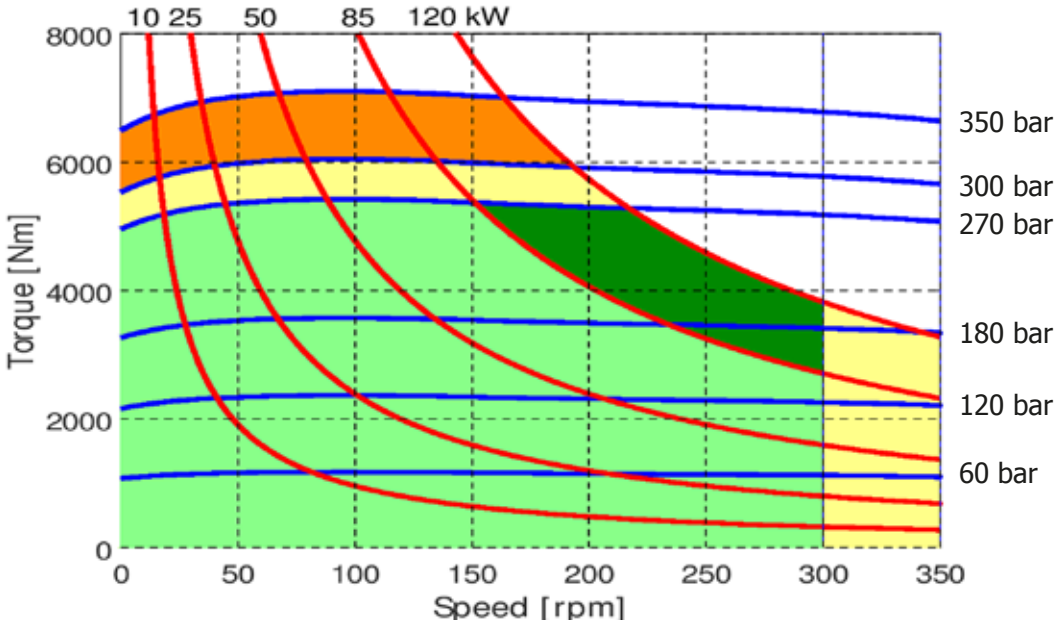
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R8M H45 - PERFORMANCE CURVES

R8M 1100 H45



R8M 1400 H45



Continuous operation

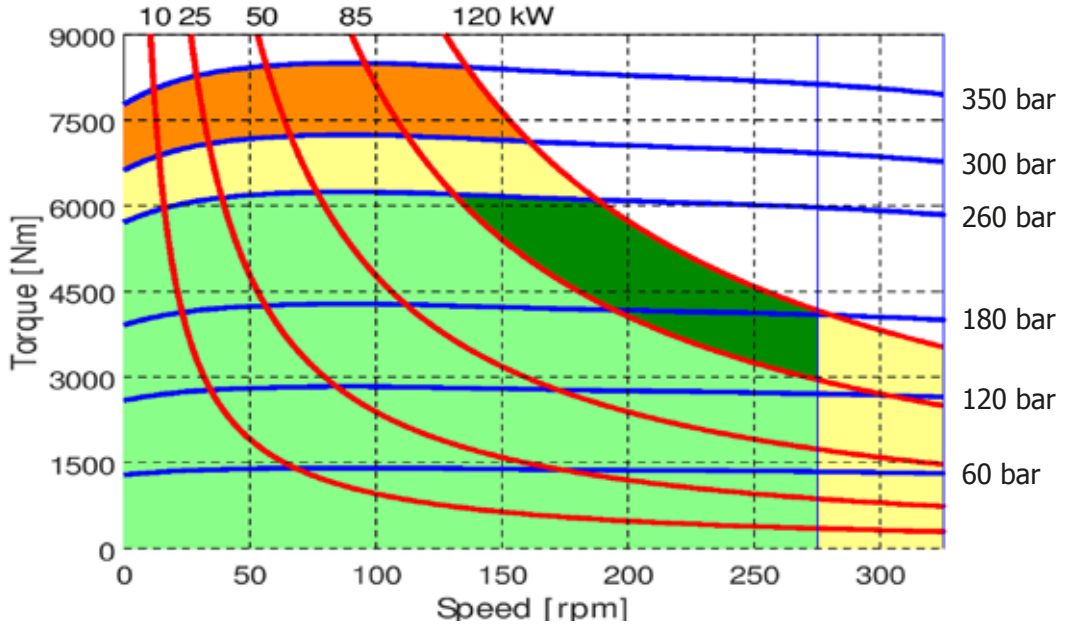
Continuous operation with flushing or intermittent operation (see below for intermittent operation)

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

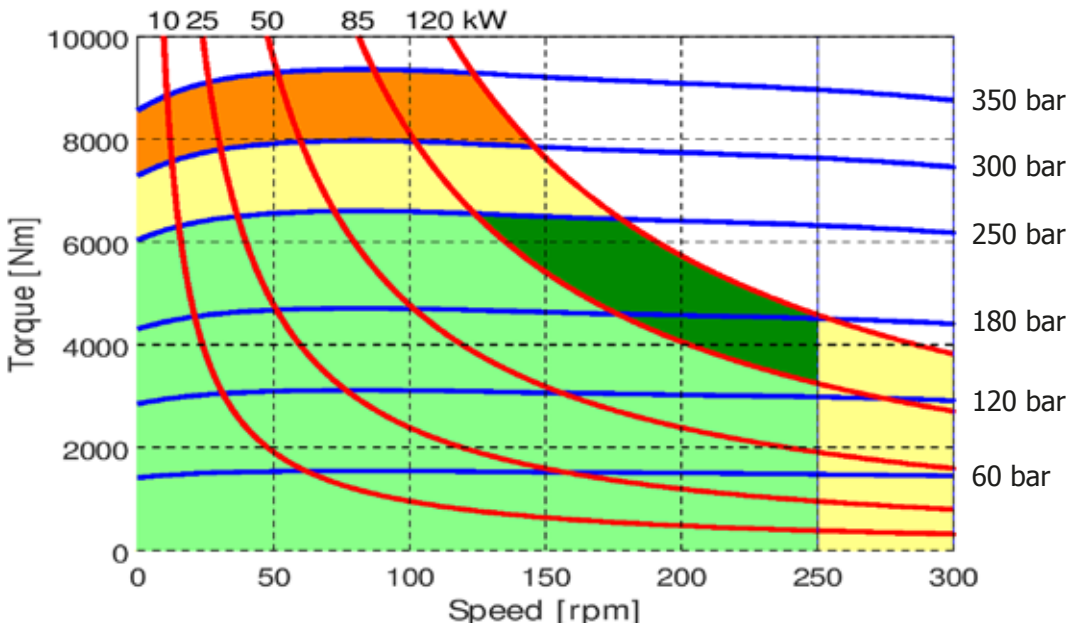
Peak operation: permitted for very short periods (3-5 seconds every 10-15 minutes)

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 1600 H45



R8M 1800 H45



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)

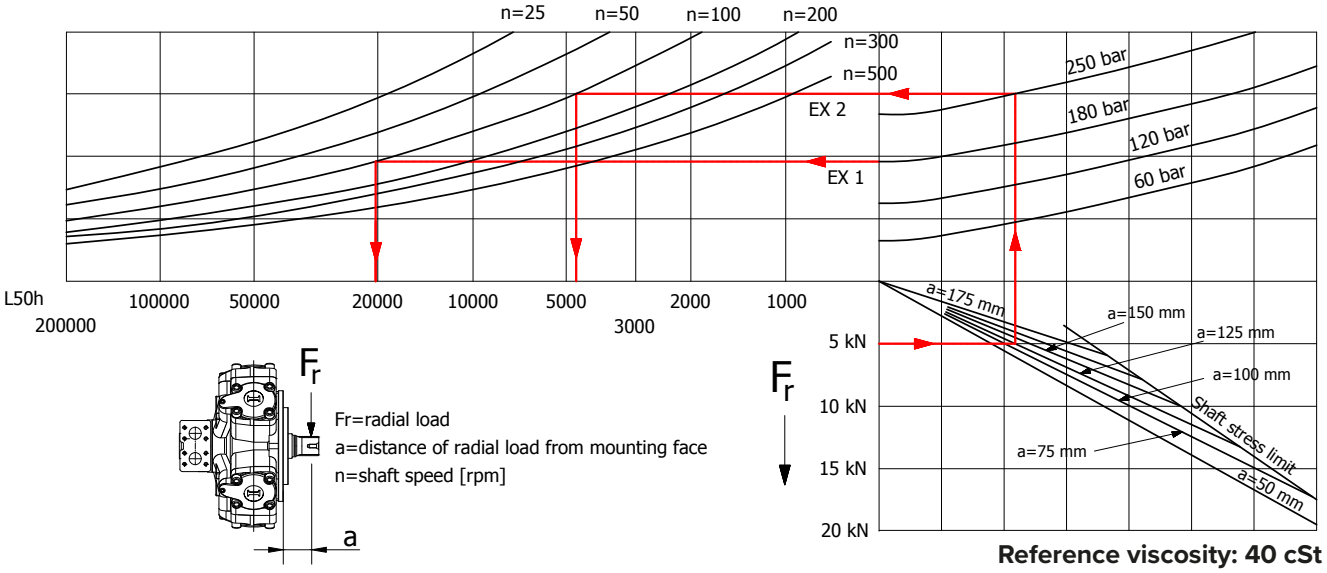
The above diagrams are referring to the hydraulic motor working with a fluid in ideal conditions (viscosity at 40 cSt). In case the working temperature increases and viscosity reach values under the recommended values (see hydraulic fluid recommendations) flushing must be performed or ISO oil grade must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

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R8M H45 - PERFORMANCE CURVES

BEARING LIFE

Reference displacement 1400 cc



Reference viscosity: 40 cSt

Example:
We suppose (EX2): p=180 [bar], n=200 [rpm]; we obtain an average lifetime of 22000 [h].
If we suppose (EX1): F_r=15 [kN], a=150 [mm], n=200 [rpm] and p=120 [bar] we obtain an average lifetime of 51000 [h].

The above data are referring to the R8M H45 series motors, displacement 1400 cc.

R8M H45 - ORDERING CODE

R8M | - - | - - | H45 | - - | - - | - - | - - | SB -

DISPLACEMENT
- 1100
- 1400
- 1600
- 1800

INTERCHANGEABILITY
- /C

SERIE
- H45

SHAFT
- A0
- A1

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

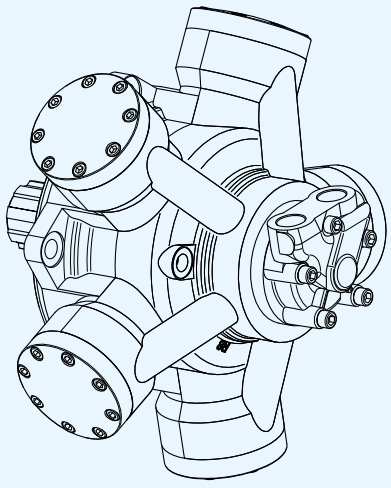
See pag. 23

- Z - -

Italgroup internal code

SPLINE BILLET
- SB6
- SB7

See pag. 185-188



EXAMPLES:

R8M 1100 H45 A0 D75
R8M 1100/C H45 A0 D47
R8M 1400/C H45 A0 D75 SB6

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