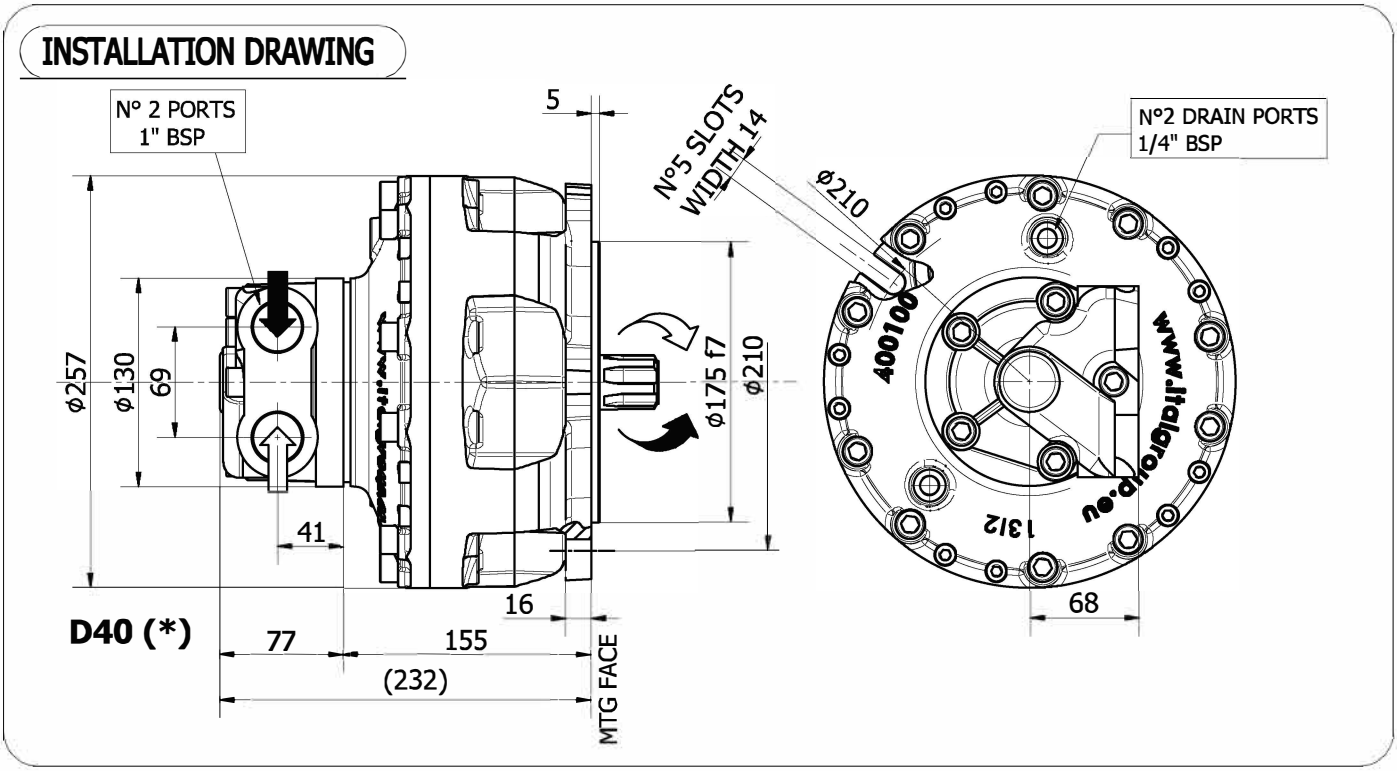
INSTALLATION DRAWING



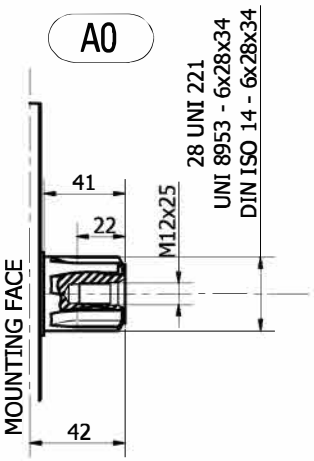
TECHNICAL DATA

		100	150	175	200	220	250
DISPLACEMENT	[cc]	98	154	173	200	221	243
SPECIFIC TORQUE	[Nm/bar]	1,57	2,45	2,74	3,20	3,52	3,88
MAX. CONT. PRESSURE	[bar]	300	300	300	300	275	275
HYDROSTATIC TEST PRESSURE	[bar]	450	450	450	450	420	420
MAX. CONT. SPEED	[rpm]	1200	1100	1100	1100	1000	900
PEAK SPEED (***)	[rpm]	1500	1400	1400	1400	1300	1200
MAX. CONT. POWER (****)	[kW]	52	53	53	53	53	53
MAX. CONT. POWER WITH FLUSHING	[kW]	80	80	80	80	80	80
MAX. CASE PRESSURE	[bar]	10	10	10	10	10	10
DRY WEIGHT	[kg]	35	35	35	35	35	35
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

- (*) The standard distributor (D40) is shown. Please refer to distributors section (pag. 82-83) for differents distributor interfaces.
- (**) Please refer to the hydraulic fluid recommendations (pag. 8-9).
- (***) Do not exceed maximum continuous power with flushing (pag. 11).
- (****) 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.

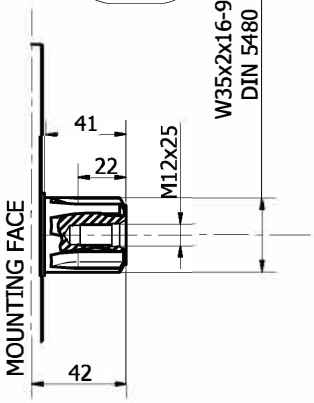
SHAFT CONFIGURATIONS

A0

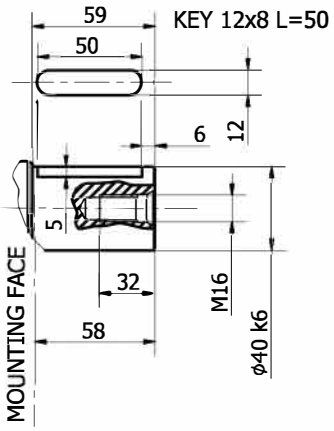


Available spline billet: SB14

A1



A2



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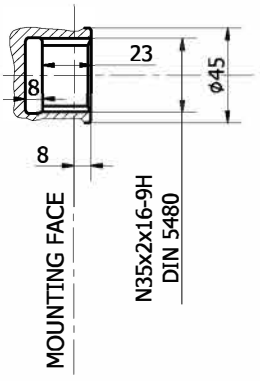
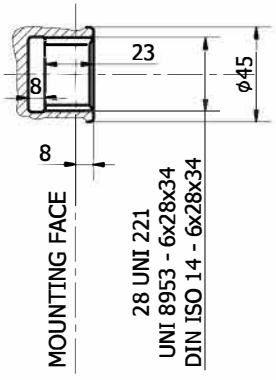
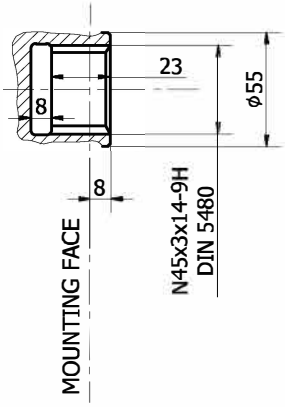


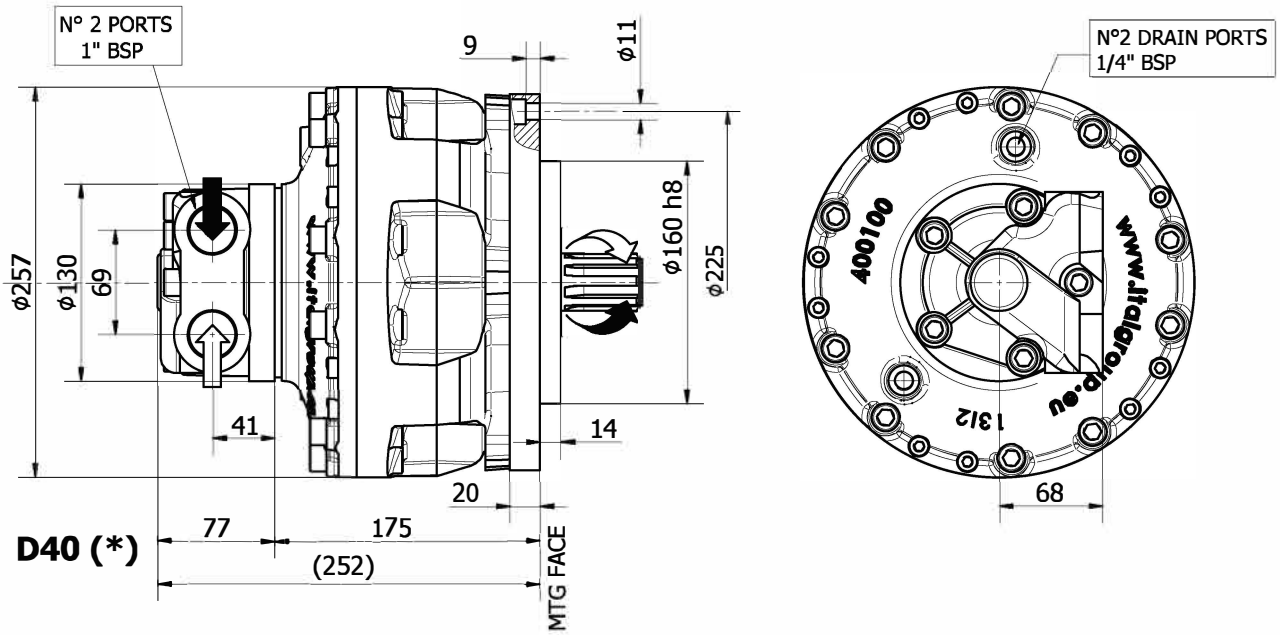
A31



A33



INSTALLATION DRAWING



TECHNICAL DATA

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MAX. CONT. PRESSURE	[bar]	300	300	300	300	275	275
HYDROSTATIC TEST PRESSURE	[bar]	450	450	450	450	420	420
MAX. CONT. SPEED	[rpm]	1200	1100	1100	1100	1000	900
PEAK SPEED (***)	[rpm]	1500	1400	1400	1400	1300	1200
MAX. CONT. POWER (****)	[kW]	52	53	53	53	53	53
MAX. CONT. POWER WITH FLUSHING	[kW]	80	80	80	80	80	80
MAX. CASE PRESSURE	[bar]	10	10	10	10	10	10
DRY WEIGHT	[kg]	35	35	35	35	35	35
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

- (*) The standard distributor (D40) is shown. Please refer to distributors section (pag. 82-83) for differents distributor interfaces.
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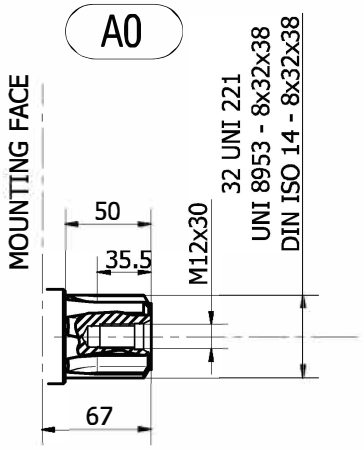
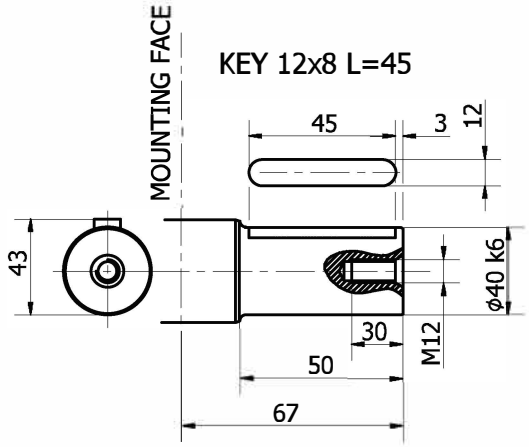
SHAFT CONFIGURATIONS

A0

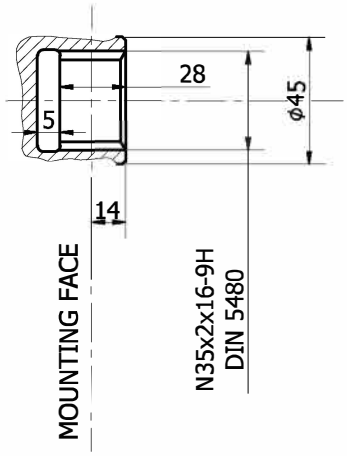


Available spline billet: SB2

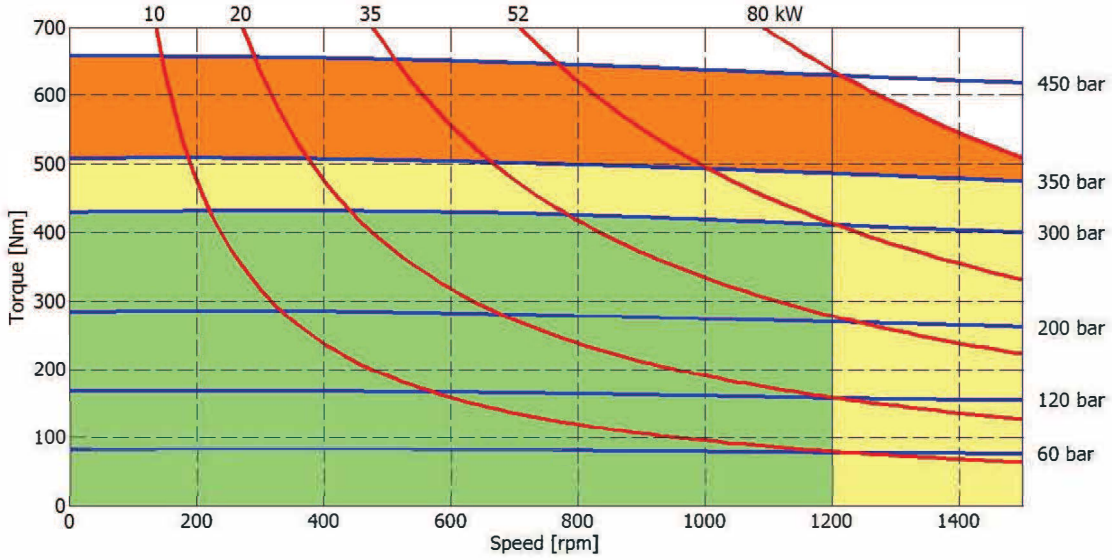
A2



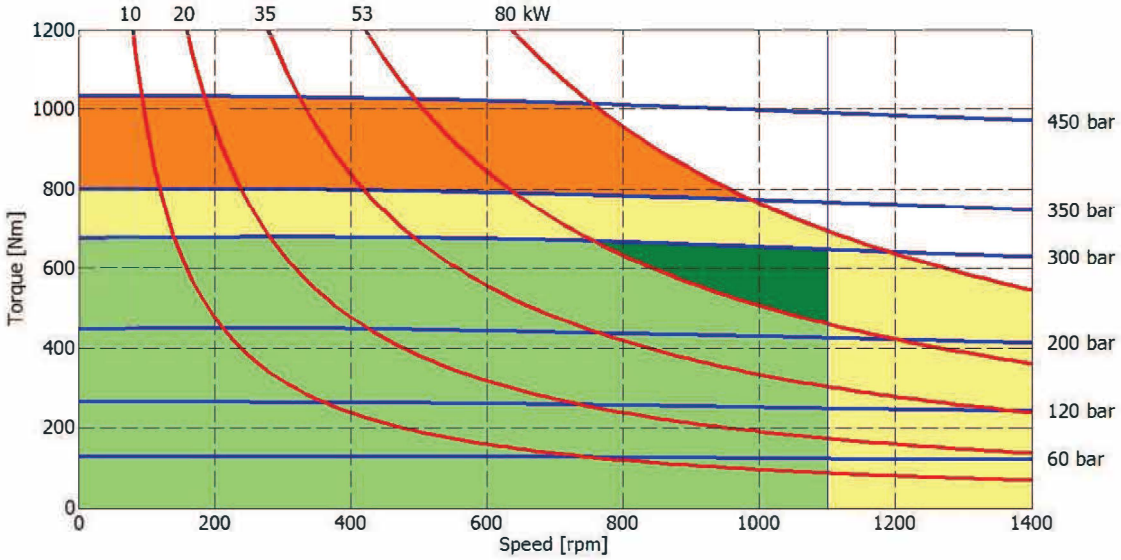
A3



100 cc



150 cc



Continuous operation

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

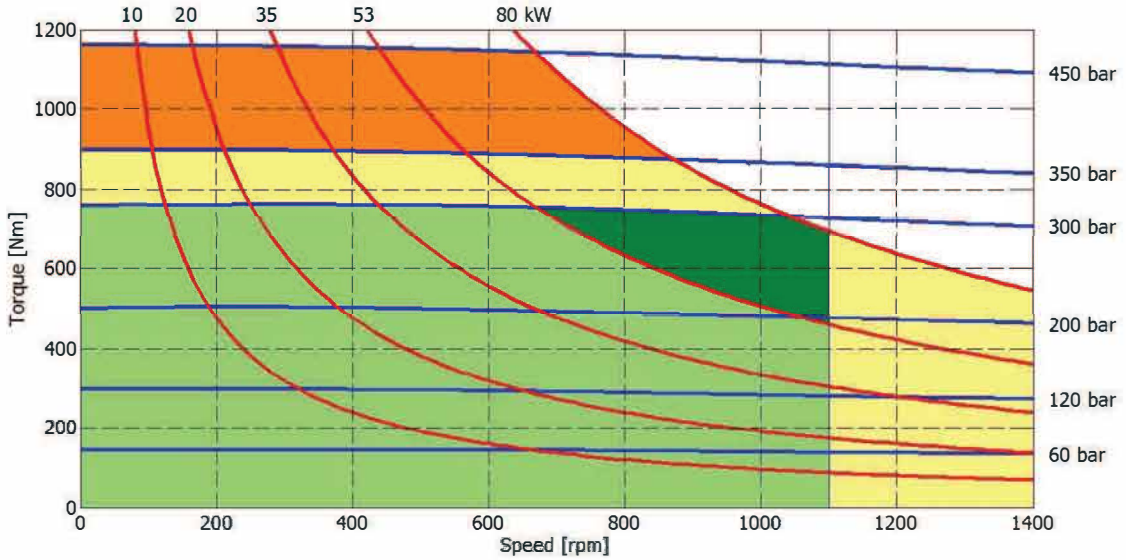
Intermittent operation: permitted for a 15% of duty cycle, for 3 minutes maximum period

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

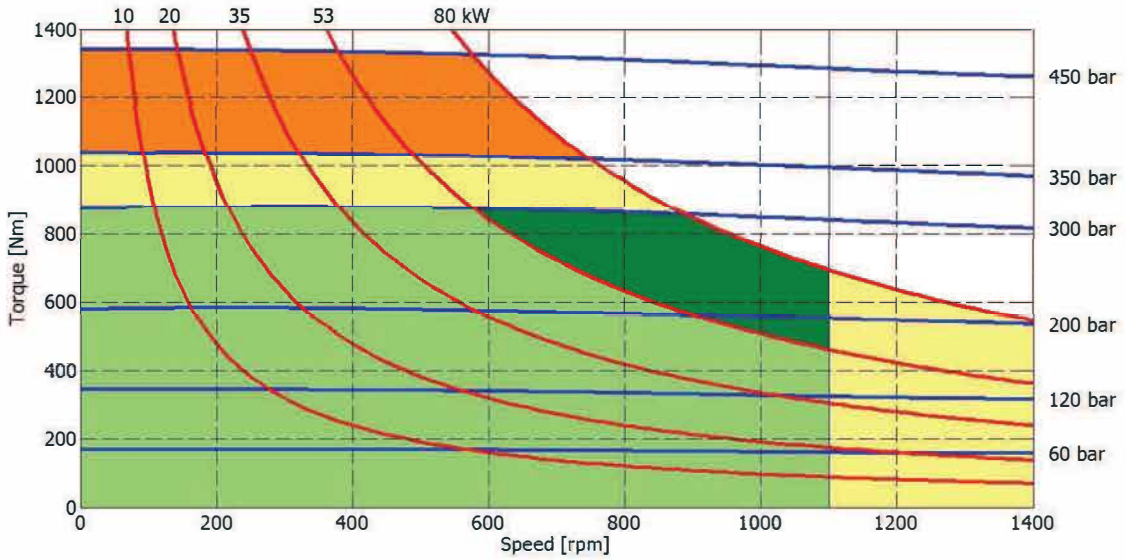
The above diagrams are referring to the hydraulic motor working with a fluid in ideal conditions (viscosity at 40 cSt). In case the working temperature increases and viscosity reach values under the recommended values (see hydraulic fluid recommendations) flushing must be performed or ISO oil grade must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

HCD1- PERFORMANCE DIAGRAMS

175 cc



200 cc



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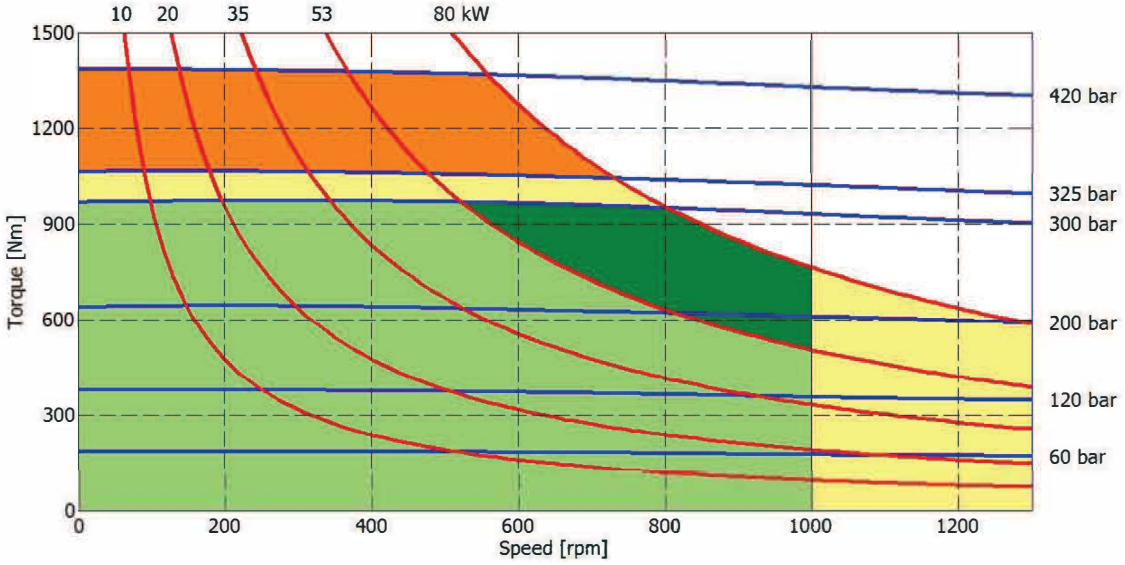
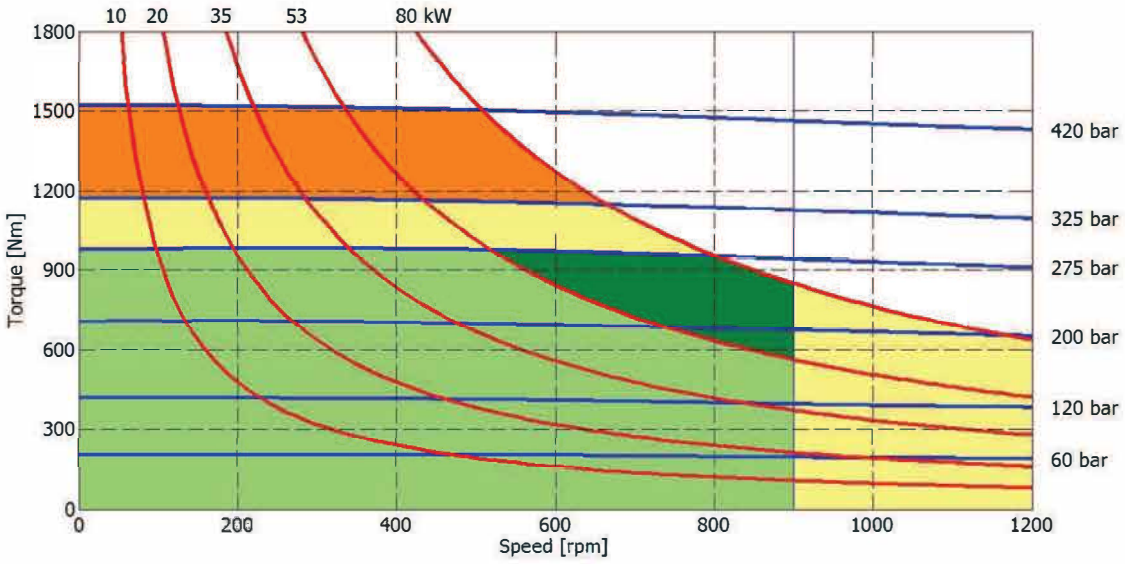
220 cc



250 cc



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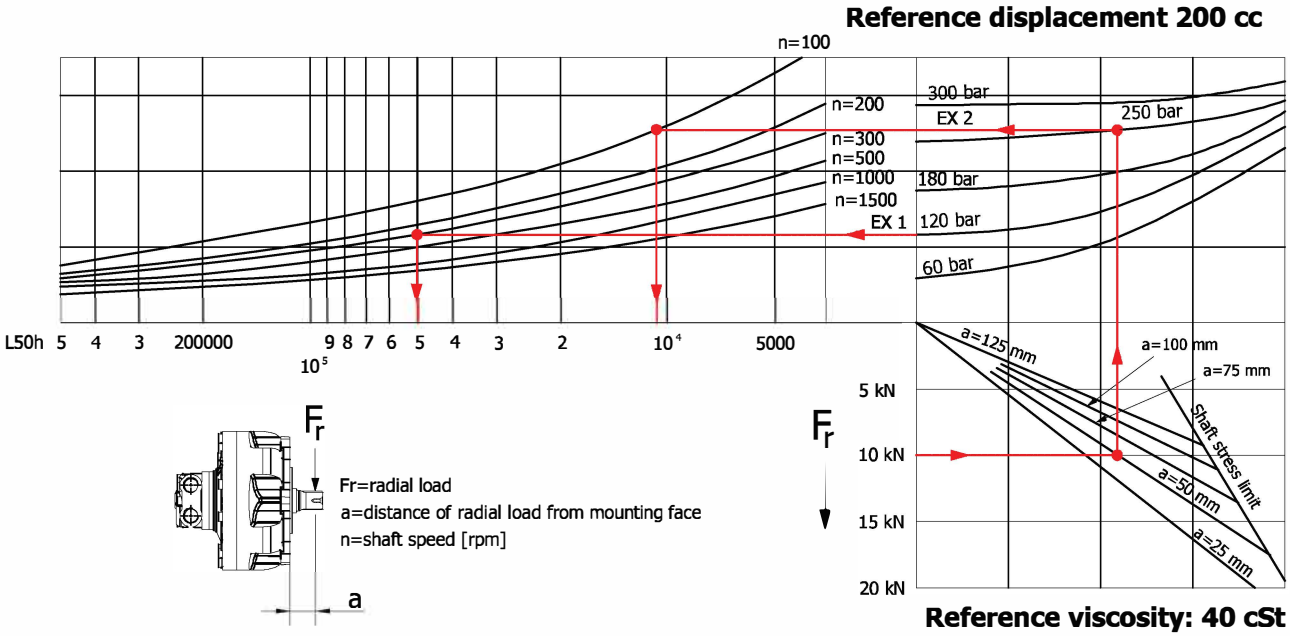
BEARING LIFE



Example:
We suppose (EX1): p=120 [bar], n=300 [rpm]; we obtain an average lifetime of 50000 [h].
If we suppose (EX2): F_r=10 [kN], a=50 [mm], n=100 [rpm] and p=250 [bar] we obtain an average lifetime of 10500 [h].

HCD1 - ORDERING CODE

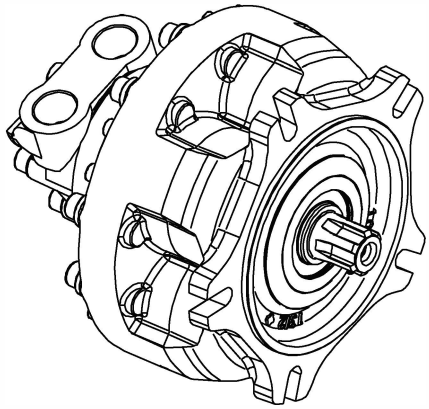
HCD | 1 | - - - | - - | - - | - - | - - | - - | SB -

DISPLACEMENT

100 | 150 | 175 | 200 | 220 | 250

INTERCHANGEABILITY

/C190



SHAFT

A0 | A1 | A2 | A3 | A31 | A33

TACHOMETER

J (*) | TA | TB | TT1 | TQ1 | EST | EST30 | EST31

See pag. 84-87

(*) Tachometer predisposition

SPECIAL FEATURES

HSM

See pag. 7

MP | SPSL | HPS | CCW

See pag. 23

Z - -

Italgroup internal code

DISTRIBUTOR

D31B | D36B | D310B | D40 | D47 | D416

See pag. 82-83

SPLINE BILLET

SB2 | SB14

See pag. 88