

HYDRAULIC MOTORS

ITALY

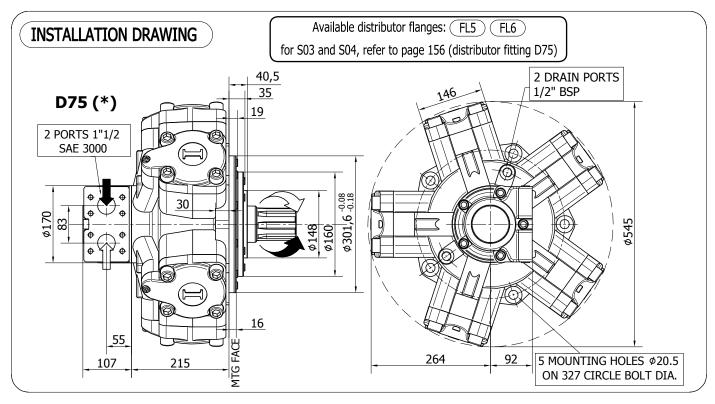




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		1000	1200	1400	1500	1600	1800	2000	2200 (*****)
DISPLACEMENT	[cc]	1094	1231	1376	1528	1648	1815	2035	2220
SPECIFIC TORQUE	[Nm/bar]	17.4	19.6	21.9	24.3	26.2	28.9	32.4	35.3
MAX. CONT. PRESSURE	[bar]	250	250	250	250	250	250	250	250
HYDROSTATIC TEST PRES- SURE	[bar]	420	420	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	350	300	300	300	300	250	230	220
PEAK SPEED (***)	[rpm]	400	350	350	350	340	300	260	240
MAX. CONT. POWER (****)	[kW]	90	90	90	90	90	90	90	90
MAX. POWER	[kW]	120	120	120	120	120	120	120	120
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6	6	6
DRY WEIGHT	[kg]	173	173	173	173	173	173	173	173
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

- (*) The standard distributor (D75) is shown. Please refer to distributors section (pag. 176-177) for differents distributor interfaces.

- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).

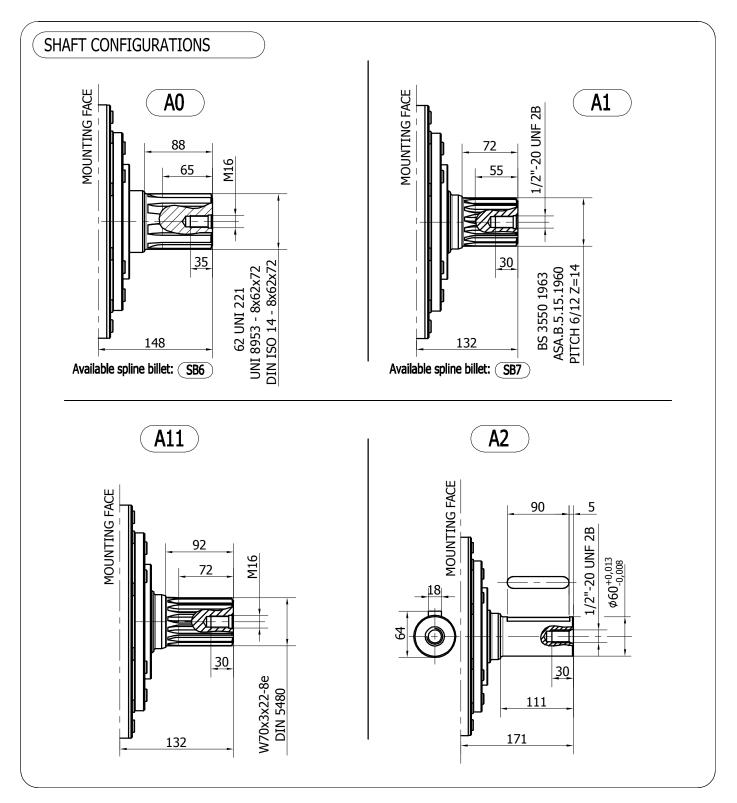
- (***) Do not exceed maximum power (see pag. 13).

- (****) 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.

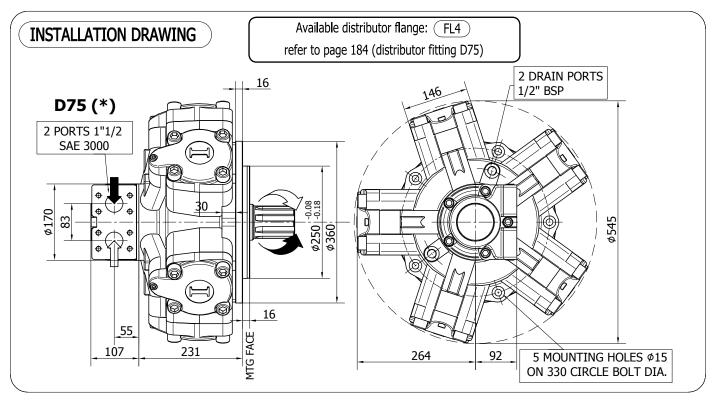
- (*****) Only for spare parts market. Please contact our technical department for more details.

SHAFTS - IAM H5









		1000	1200	1400	1500	1600
DISPLACEMENT	[cc]	1094	1231	1376	1528	1648
SPECIFIC TORQUE	[Nm/bar]	17.4	19.6	21.9	24.3	26.2
MAX. CONT. PRESSURE	[bar]	250	250	250	250	250
HYDROSTATIC TEST PRES- SURE	[bar]	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	350	300	300	300	300
PEAK SPEED (***)	[rpm]	400	350	350	350	340
MAX. CONT. POWER (****)	[kW]	90	90	90	90	90
MAX. POWER	[kW]	120	120	120	120	120
MAX. CASE PRESSURE	[bar]	6	6	6	6	6
DRY WEIGHT	[kg]	173	173	173	173	173
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

- (*) The standard distributor (D75) is shown. Please refer to distributors section (pag. 176-177) for differents distributor interfaces.

- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).

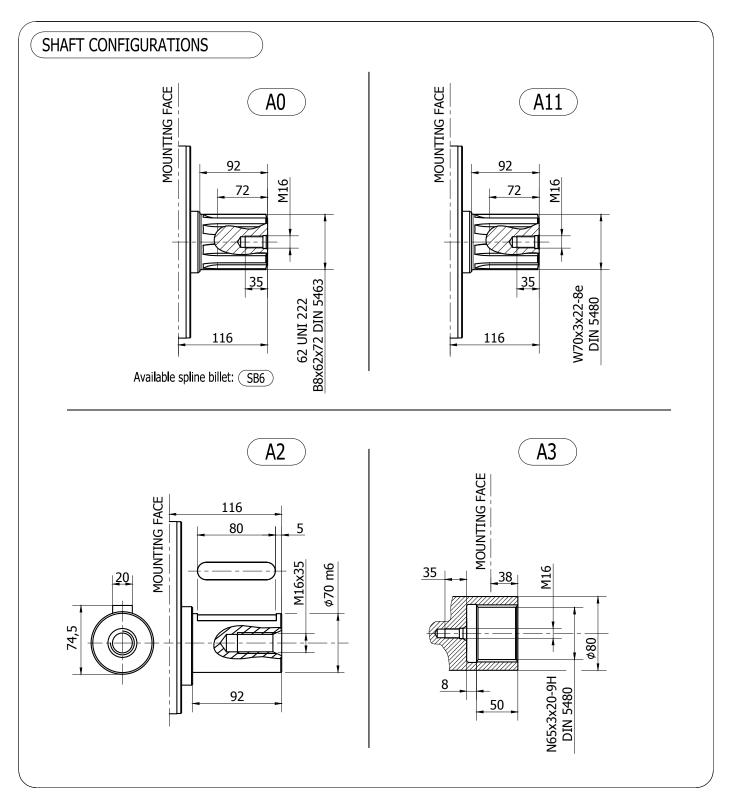
- (***) Do not exceed maximum power (see pag. 13).

- (****) 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.

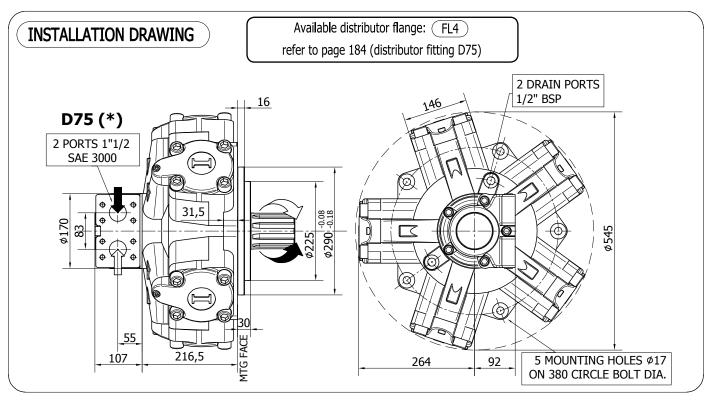
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SHAFTS - IAM 1000-1200-1400-1500-1600/C1100 H5









		1600	1800	2000	2200 (*****)
DISPLACEMENT	[cc]	1648	1815	2035	2220
SPECIFIC TORQUE	[Nm/bar]	26.2	28.9	32.4	35.3
MAX. CONT. PRESSURE	[bar]	250	250	250	250
HYDROSTATIC TEST PRES- SURE	[bar]	420	420	420	420
MAX. CONT. SPEED	[rpm]	300	250	230	220
PEAK SPEED (***)	[rpm]	340	300	260	240
MAX. CONT. POWER (****)	[kW]	90	90	90	90
MAX. POWER	[kW]	120	120	120	120
MAX. CASE PRESSURE	[bar]	6	6	6	6
DRY WEIGHT	[kg]	173	173	173	173
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70

- (*) The standard distributor (D75) is shown. Please refer to distributors section (pag. 176-177) for differents distributor interfaces.

- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).

- (***) Do not exceed maximum power (see pag. 13).

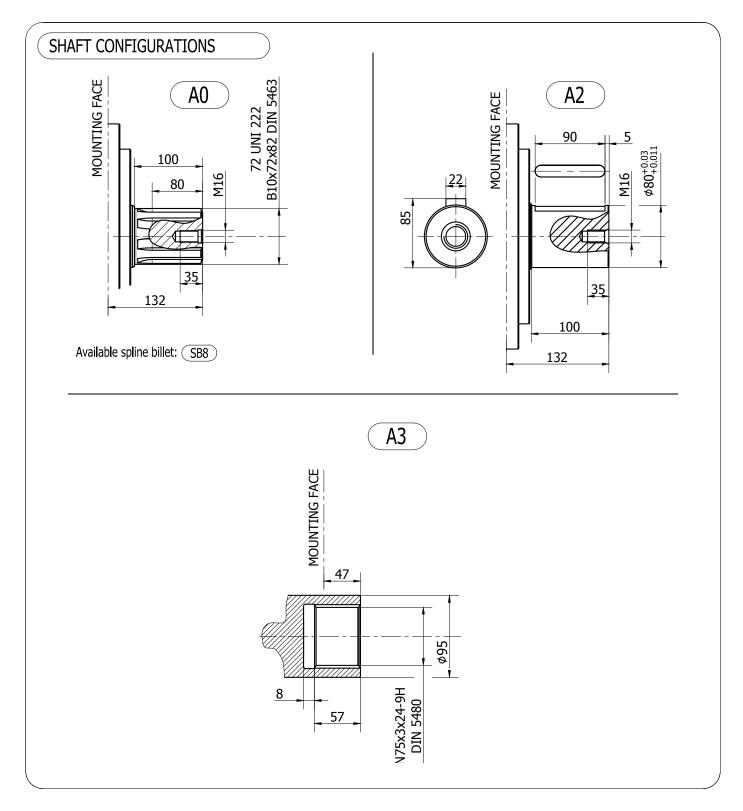
- (****) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required.

For more information please contact our technical department.

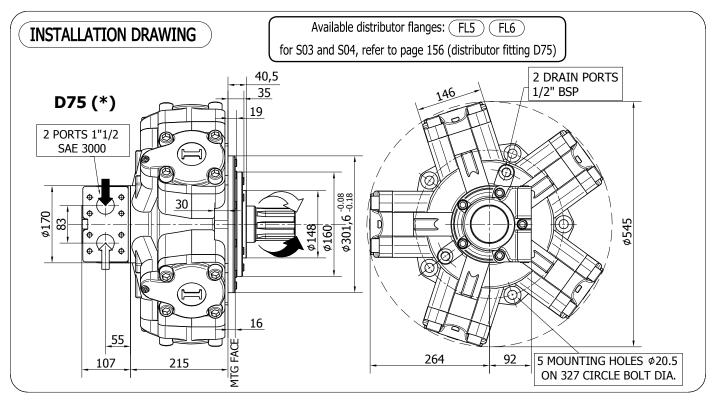
- (*****) Only for spare parts market. Please contact our technical department for more details.

SHAFTS - IAM 1600-1800-2000-2200/C H5









		1000	1400	1600
DISPLACEMENT	[cc]	1094	1376	1648
SPECIFIC TORQUE	[Nm/bar]	17.4	21.9	26.2
MAX. CONT. PRESSURE	[bar]	250	250	250
HYDROSTATIC TEST PRES- SURE	[bar]	420	420	420
MAX. CONT. SPEED	[rpm]	350	300	300
PEAK SPEED (***)	[rpm]	400	350	340
MAX. CONT. POWER (****)	[kW]	90	90	90
MAX. POWER	[kW]	120	120	120
MAX. CASE PRESSURE	[bar]	6	6	6
DRY WEIGHT	[kg]	173	173	173
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70

- (*) The standard distributor (D75) is shown. Please refer to distributors section (pag. 176-177) for differents distributor interfaces.

- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).

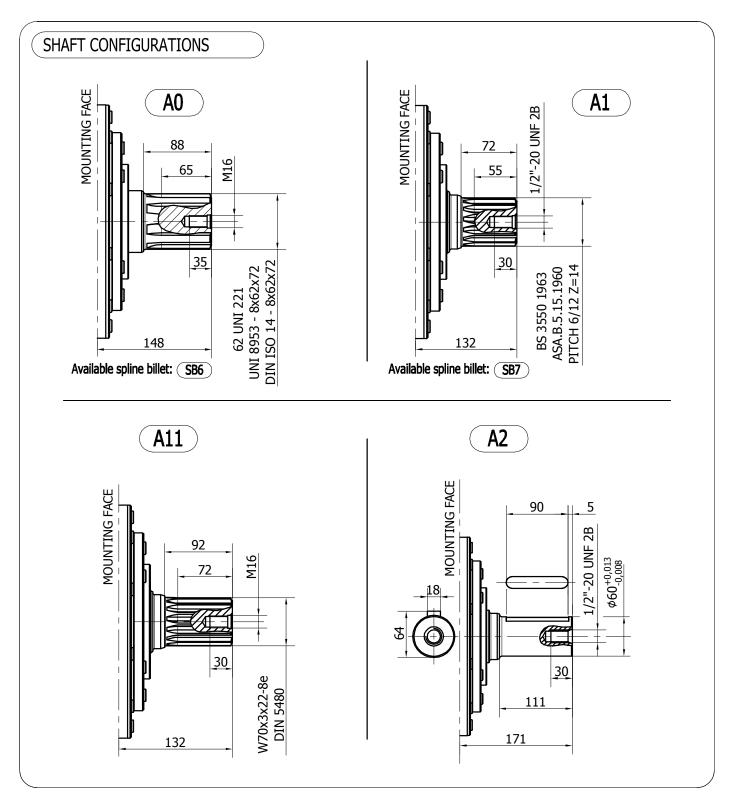
- (***) Do not exceed maximum power (see pag. 13).

- (****) 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.

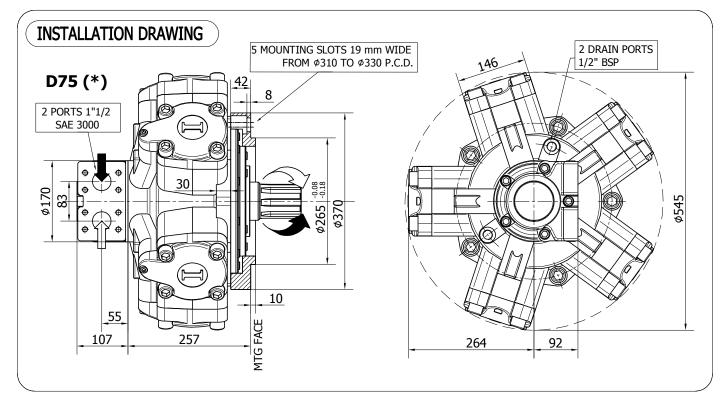
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SHAFTS - 1000/B60-1400/B80-1600/B100 H5









		1000	1200	1400	1500	1600	1800	2000	2200 (*****)
DISPLACEMENT	[cc]	1094	1231	1376	1528	1648	1815	2035	2220
SPECIFIC TORQUE	[Nm/bar]	17.4	19.6	21.9	24.3	26.2	28.9	32.4	35.3
MAX. CONT. PRESSURE	[bar]	250	250	250	250	250	250	250	250
HYDROSTATIC TEST PRES- SURE	[bar]	420	420	420	420	420	420	420	420
MAX. CONT. SPEED	[rpm]	350	300	300	300	300	250	230	220
PEAK SPEED (***)	[rpm]	400	350	350	350	340	300	260	240
MAX. CONT. POWER (****)	[kW]	90	90	90	90	90	90	90	90
MAX. POWER	[kW]	120	120	120	120	120	120	120	120
MAX. CASE PRESSURE	[bar]	6	6	6	6	6	6	6	6
DRY WEIGHT	[kg]	173	173	173	173	173	173	173	173
TEMPERATURE RANGE (**)	[°C]	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70	-30÷70

- (*) The standard distributor (D75) is shown. Please refer to distributors section (pag. 176-177) for differents distributor interfaces.

- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).

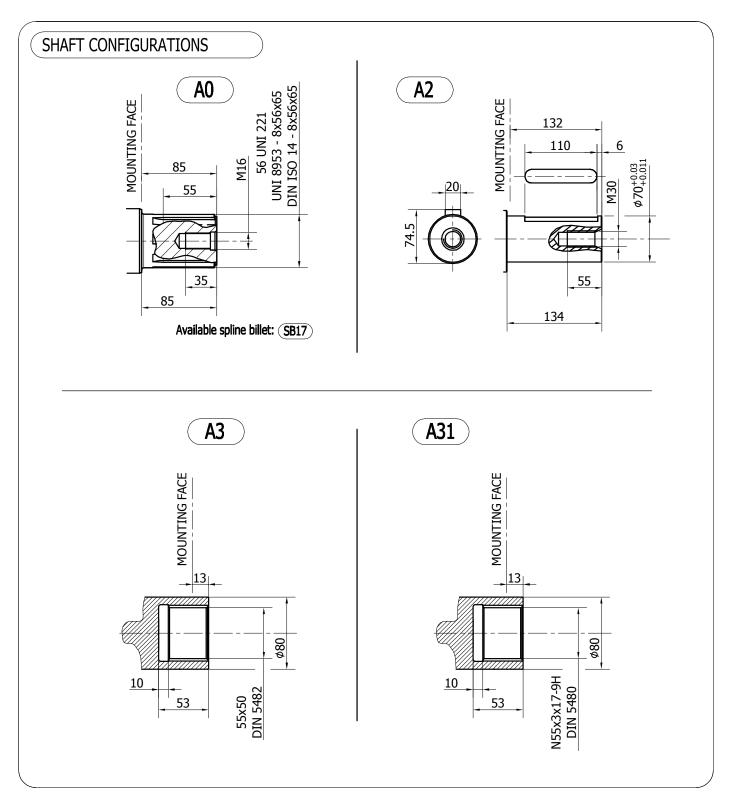
- (***) Do not exceed maximum power (see pag. 13).

- (****) 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.

- (*****) Only for spare parts market. Please contact our technical department for more details.

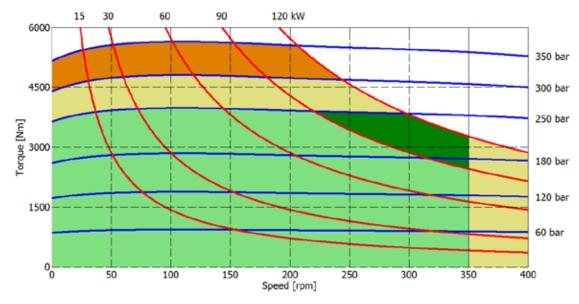
SHAFTS - IAM H5/GM5 - IAM H5/S



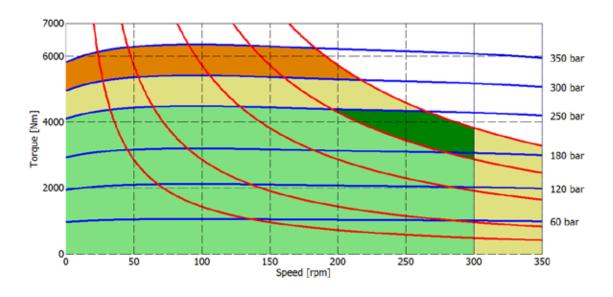




1000 сс



1200 сс



Continuous operation

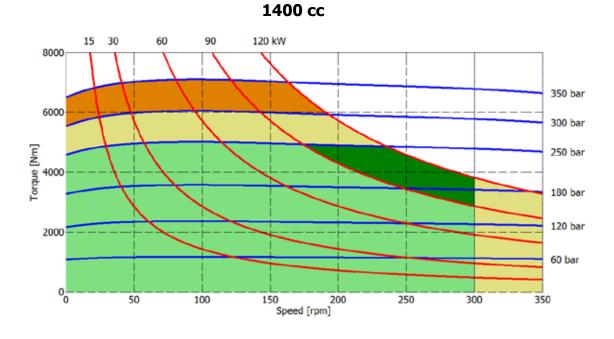
Continuous operation with flushing or intermittent operation (see below for intermittent operation) Intermittent operation: permitted for a 15% of

duty cycle, for 3 minutes maximum period Peak operation: permitted for very short

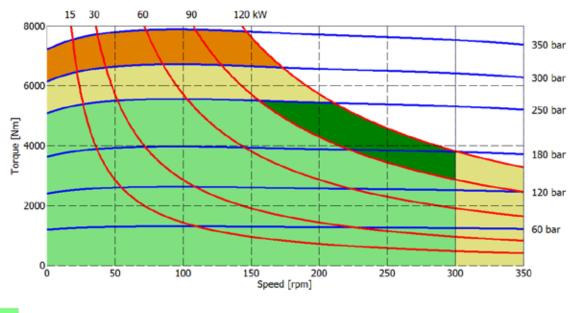
periods (3-5 seconds every 10-15 minutes)

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.





1500 cc



Continuous operation

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

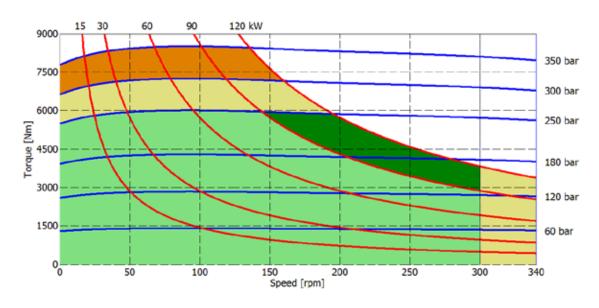
Intermittent operation: permitted for a 15% of duty cycle, for 3 minutes maximum period Peak operation: permitted for very short

periods (3-5 seconds every 10-15 minutes)

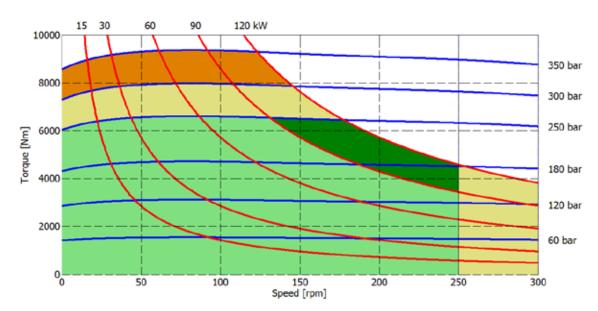
The above diagrams are referring to the hydraulic motor working with a fluid in ideal conditions (viscosity at 40 cSt). In case the working temperature increases and viscosity reach values under the recommended values (see hydraulic fluid recommendations) flushing must be performed or ISO oil grade must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



1600 cc



1800 cc



Continuous operation

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

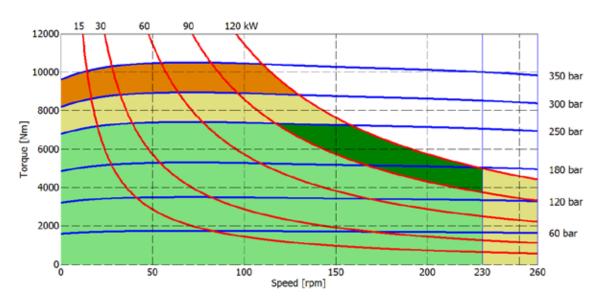
Intermittent operation: permitted for a 15% of duty cycle, for 3 minutes maximum period Peak operation: permitted for very short

periods (3-5 seconds every 10-15 minutes)

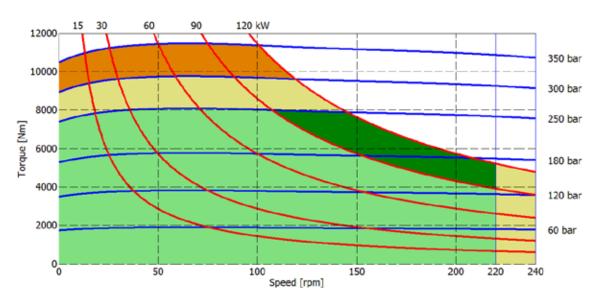
The above diagrams are referring to the hydraulic motor working with a fluid in ideal conditions (viscosity at 40 cSt). In case the working temperature increases and viscosity reach values under the recommended values (see hydraulic fluid recommendations) flushing must be performed or ISO oil grade must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







2200 сс



Continuous operation

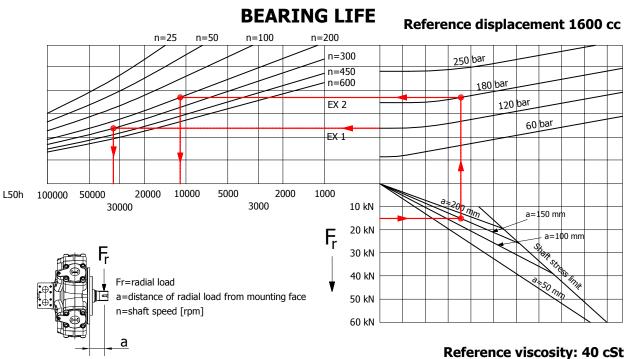
Continuous operation with flushing or intermittent operation (see below for intermittent operation) Intermittent operation: permitted for a 15% of

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.





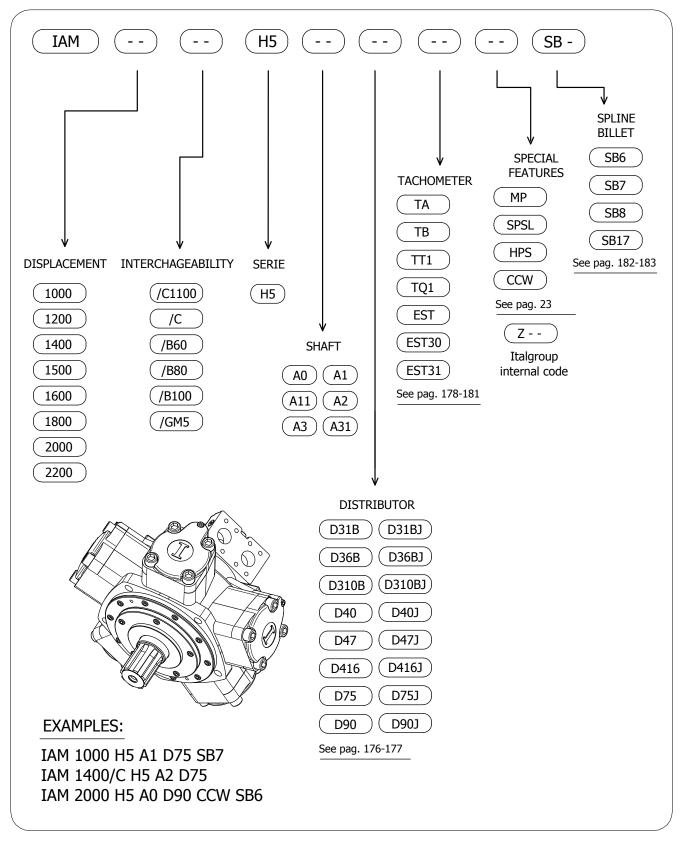
Example:

We suppose (EX1): p=120 [bar], n=300 [rpm]; we obtain an average lifetime of 33000 [h]. If we suppose (EX2): $F_r=15$ [kN], a=150 [mm], n=200 [rpm] and p=180 [bar] we obtain an average lifetime of 11000 [h].

The above data are referring to the IAM H5 series motors, displacement 1600 cc.

IAM H5 - ORDERING CODE





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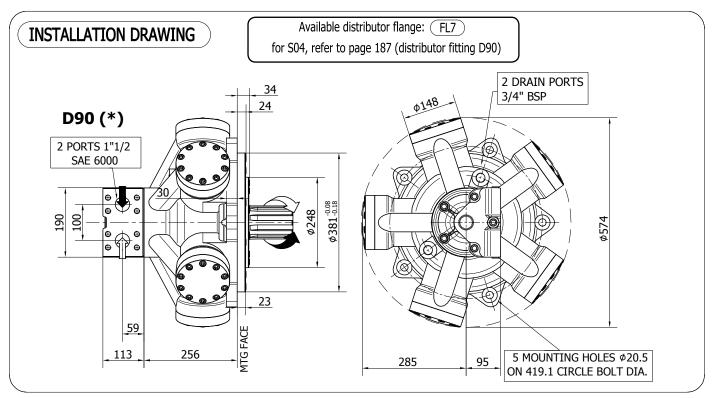




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		2200	2500	2800	3000
DISPLACEMENT	[cc]	2126	2525	2807	2983
SPECIFIC TORQUE	[Nm/bar]	33.8	40.2	44.7	48.2
MAX. CONT. PRESSURE	[bar]	250	250	250	250
HYDROSTATIC TEST PRES- SURE	[bar]	420	420	420	420
MAX. CONT. SPEED	[rpm]	240	240	240	230
PEAK SPEED (***)	[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. 176-177) for differents distributor interfaces.

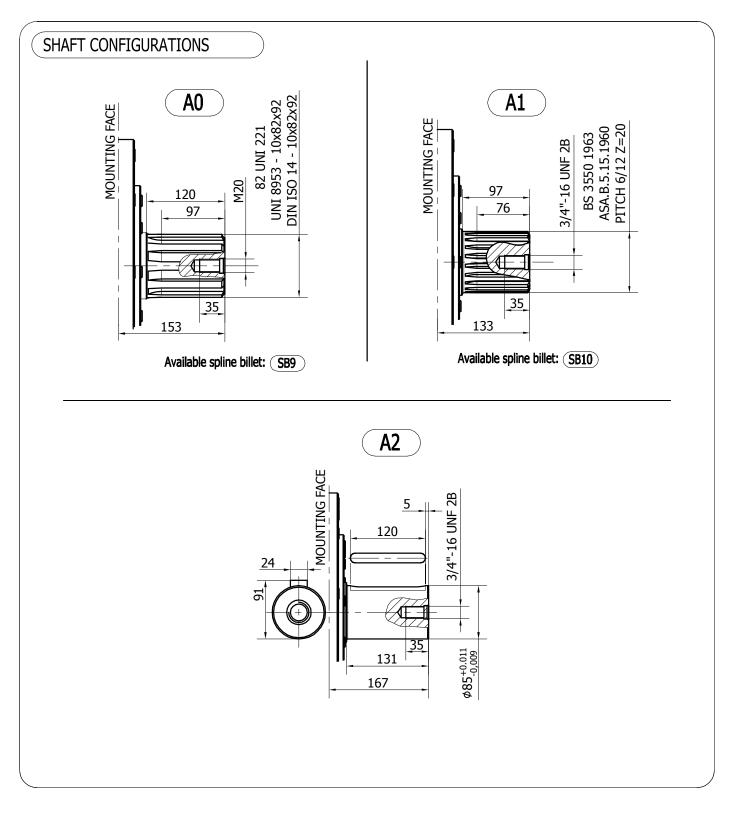
- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).

- (***) Do not exceed maximum power (see pag. 13).

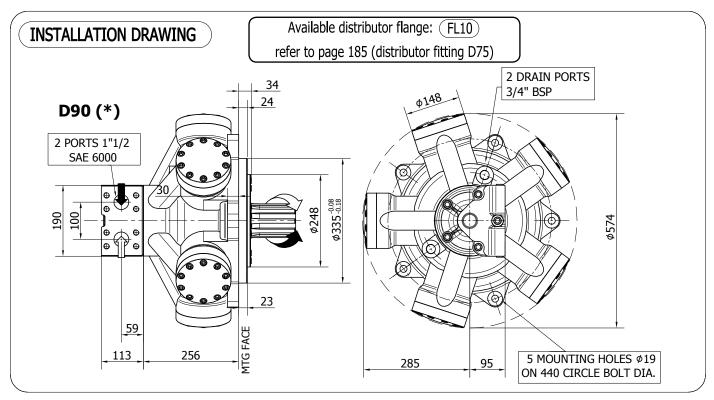
- (****) For motor operation with a continuous duty cycle at maximum continuous power the flushing is usually required. For more information please contact our technical department.

SHAFTS - IAM H55









		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]	250	250	250	250
HYDROSTATIC TEST PRES- SURE	[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. 176-177) for differents distributor interfaces.

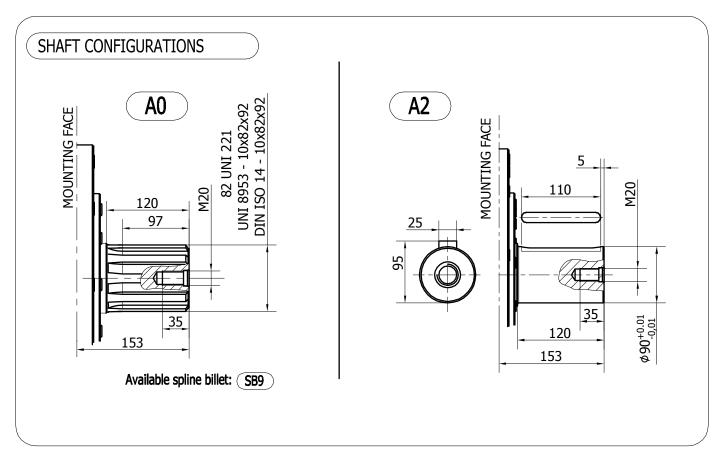
- (**) Please refer to the hydraulic fluid recommendations (pag. 10-11).

- (***) Do not exceed maximum power (see pag. 13).

- (****) 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.

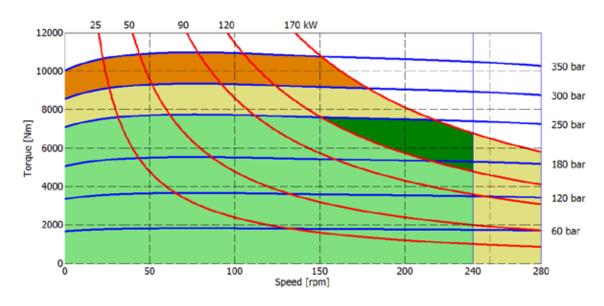
SHAFTS - IAM H55/C



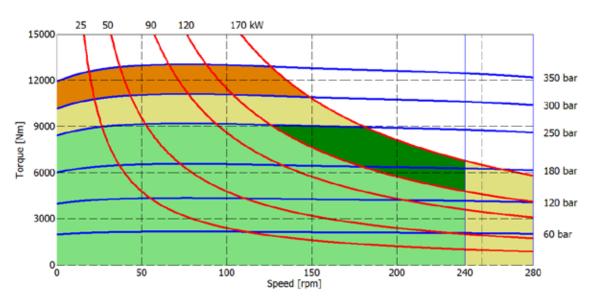




2200 сс



2500 сс



Continuous operation

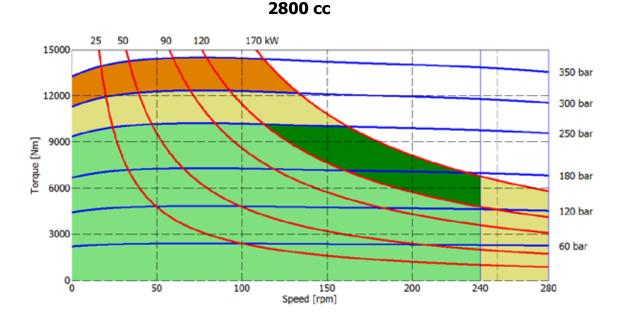
Continuous operation with flushing or intermittent operation (see below for intermittent operation) Intermittent operation: permitted for a 15% of

duty cycle, for 3 minutes maximum period Peak operation: permitted for very short

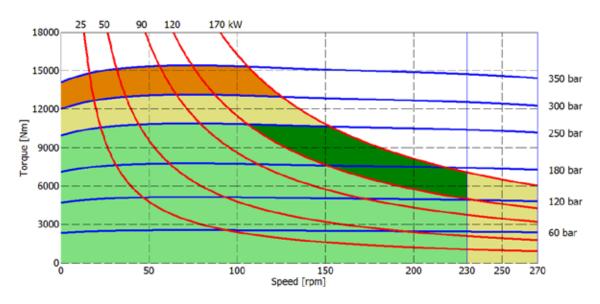
periods (3-5 seconds every 10-15 minutes)

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.





3000 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

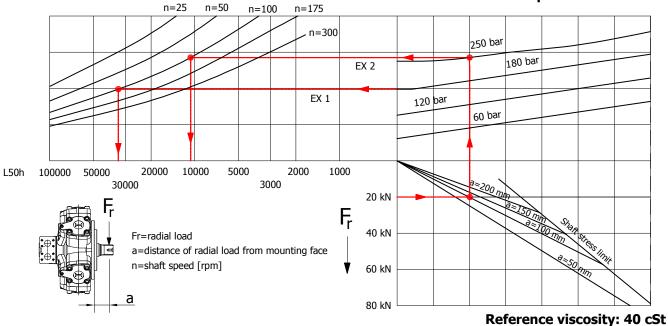
periods (3-5 seconds every 10-15 minutes)

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.



BEARING LIFE

Reference displacement 2200 cc



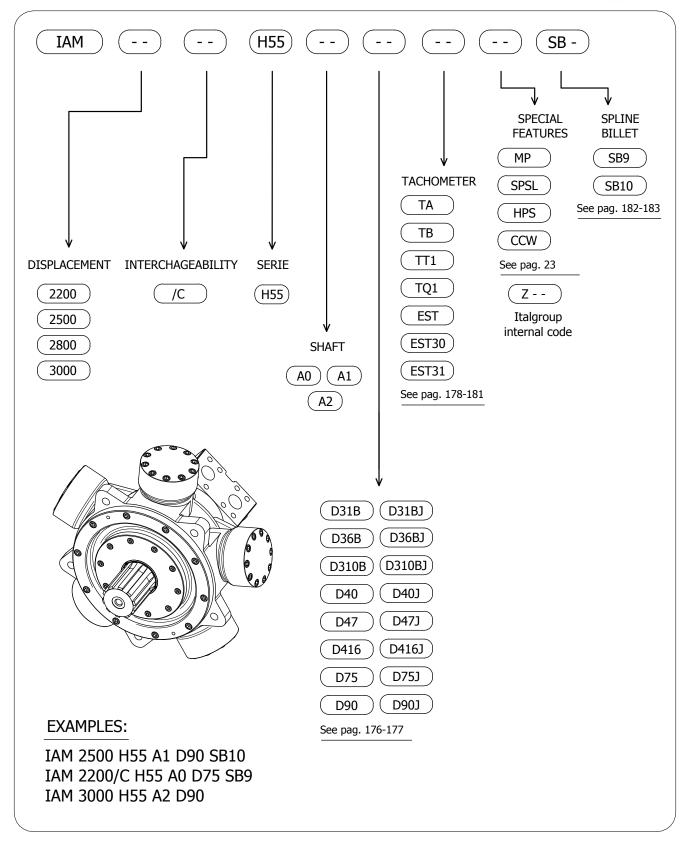
Example:

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 IAM H55 series motors, displacement 2200 cc.

IAM H55 - ORDERING CODE





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	Greece		Mexico
	Iceland		Peru
	Italy		USA
	Netherland		Colombia
	Norway		
	Poland		
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			Singapore
			South Korea
			Thailand
			Taiwan
			United Arab Emirates
			A.C. I. I. I.

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