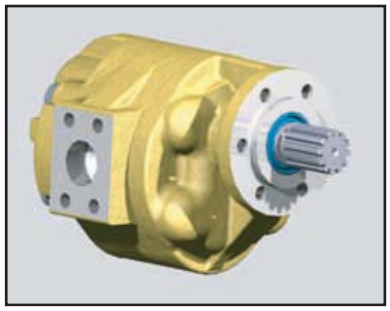
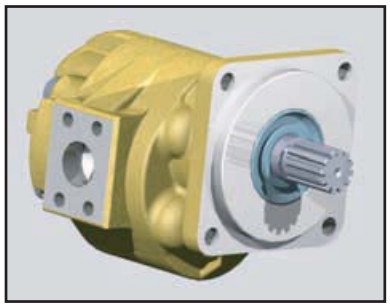
GEAR PUMPS AND MOTORS
HAMWORTHY SERIES



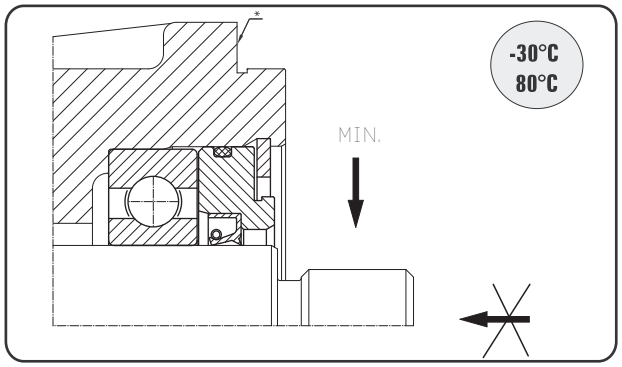


Model	2110	2113	2116	2120	2125
Displacement [ccm/rev]	44,0	57,4	70,5	88,2	110,6
Rated pressure [MPa]	17	17	16	16	14
Max speed [rpm]	pumps 2700 motors 3000				
Max torque motors [Nm]	107	141	157	196	218

Seal design **Dimensions data** **Drive shaft** **Mounting flange** **Ports**

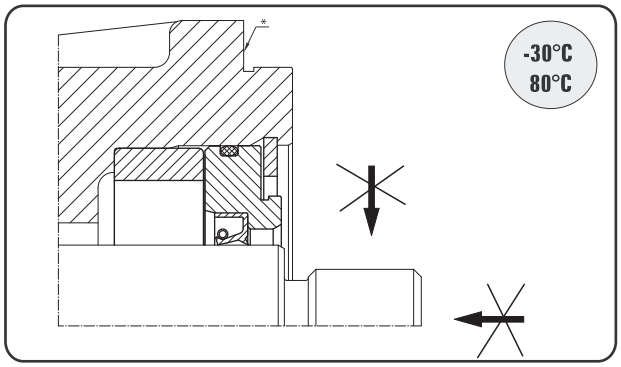
HOW TO ORDER

P-PUMP M-MOTOR	DESIGN LEVEL 1- without 2 or 3	SEAL DESIGN	BEARINGS roller - without plain - P	SIZE	DRIVE SHAFTS	FLANGE	PORTS	Rotation A- anticlockwise C- clockwise D- birotation
P	2	C	P	2110	C	2	C25	C
P M	2	A B C E A2P A2PV C2P C2PV	roller - plain	2110 2113 2116 2120 2125	B C,Q AP R G L	2 3 4 5 8	B1 B2 B25 B26	A C D



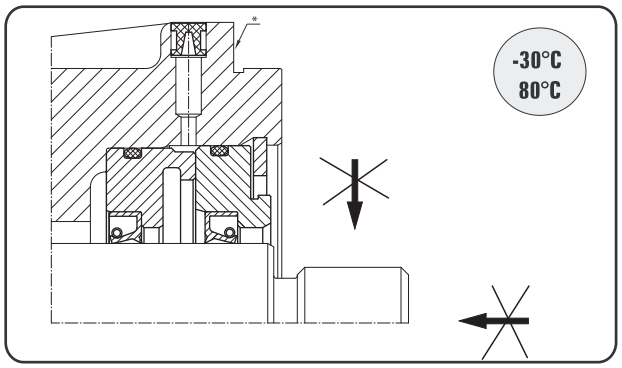
code A

Suitable for drives with limited radial load



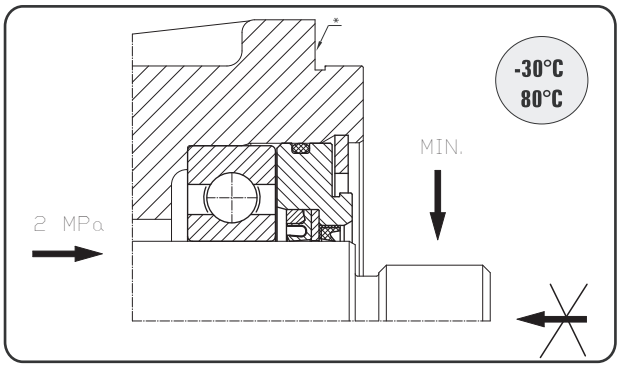
code B

Suitable for drives with no load



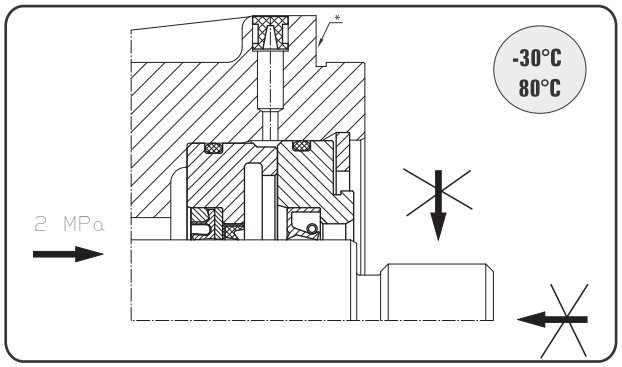
code C

Visible-bleed drilling suitable for drives with no load for direct mounting on torque converters and gear boxes



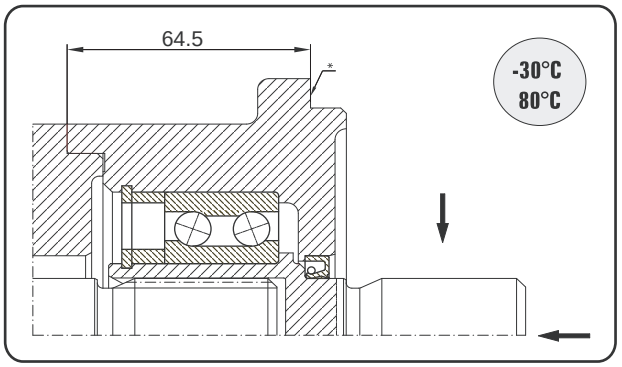
code A2P, A2PV

Options of high pressure shaft seal suitable for drives with limited radial load



code C2P, C2PV

Options of high pressure shaft seal suitable for drives with no load visible-bleed driling

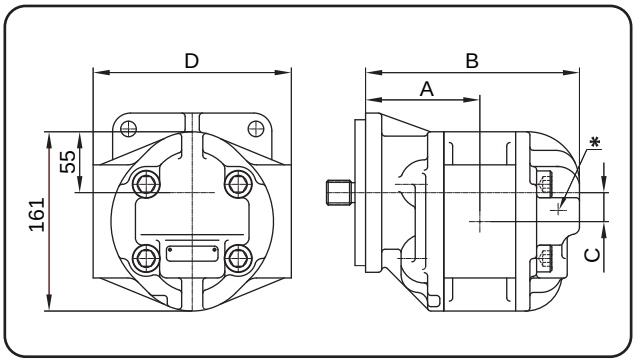


code E

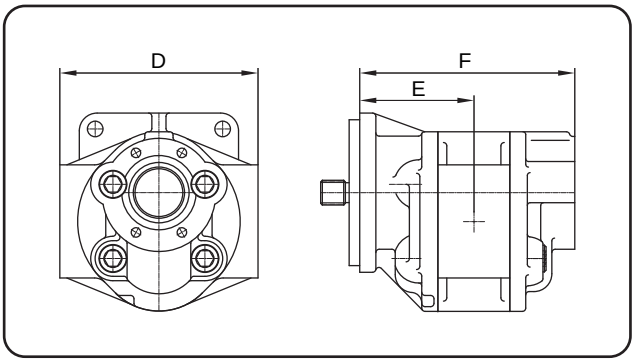
Suitable for drives with heavy axial load and some radial on to drive shaft

2P-bi-rotation no check valves with external drain.
2PV-bi-rotation with check valves.

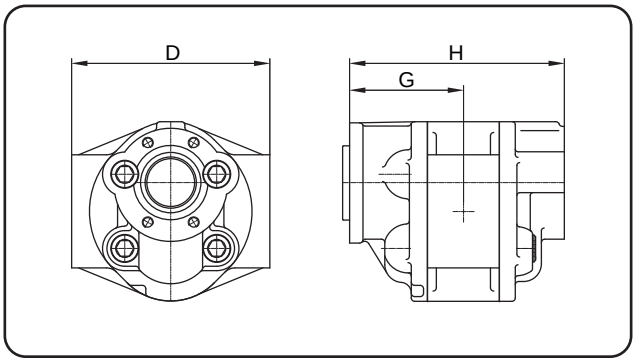
* standard flange mounting surface



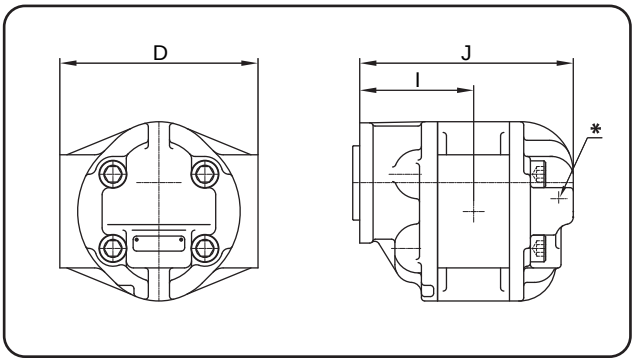
Single unit



Front unit



Intermediate unit

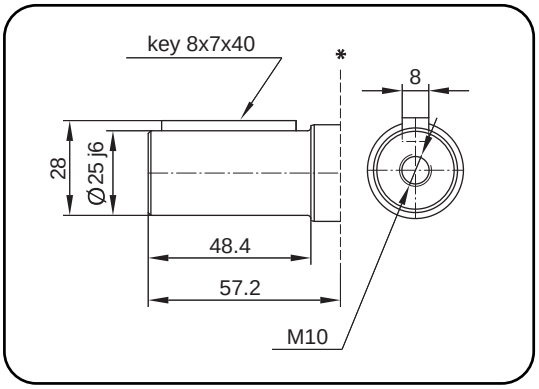


Rear unit

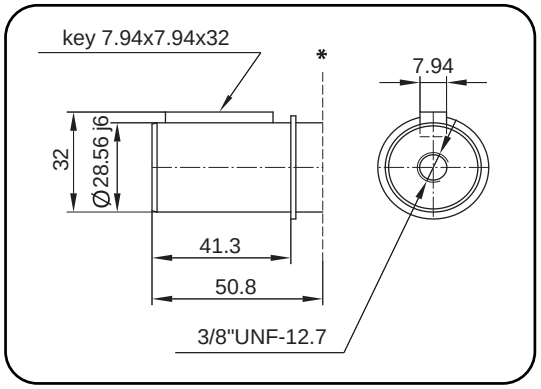
	Single unit				Front unit			Intermediate unit			Rear unit			
SIZE	A	B	C	Weight [kg]	E	F	Weight [kg]	G	H	Weight [kg]	I	J	Weight [kg]	D*
2110	98	184	26	18,2	98	185	18,2	98	185	18,4	98	184	18	178
2113	102	191	26	19	102	192	19	102	192	19,2	102	191	19	178
2116	106	200	26	20,5	106	202	20,5	106	202	20,7	106	200	20,3	178
2120	111	209	26	21,5	111	211	21,5	111	211	21,7	111	209	21,3	178
2125	117	222	26	25,9	117	224	25,9	117	224	26,1	117	222	25,7	178

* drain port for motors

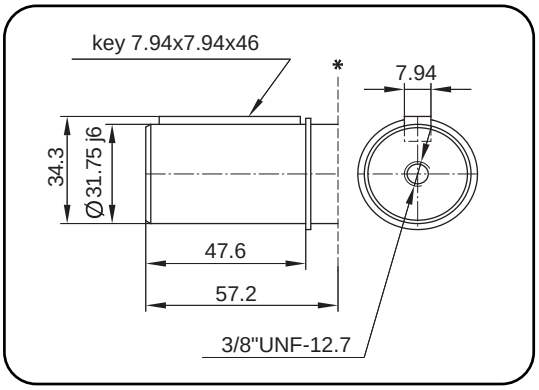
SHAFTS WITH KEY



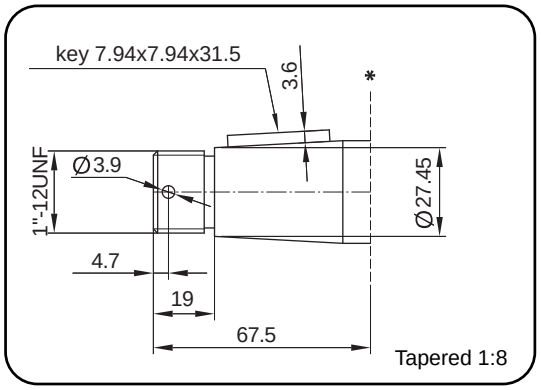
code AP



code R

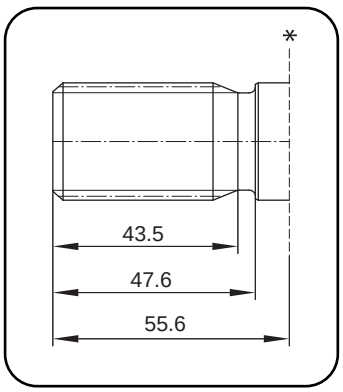


code G

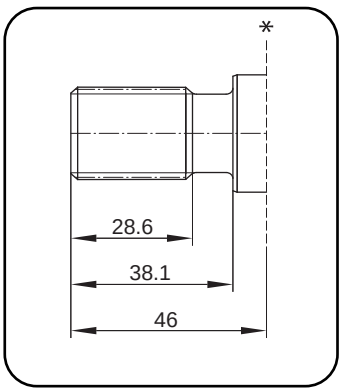


code L

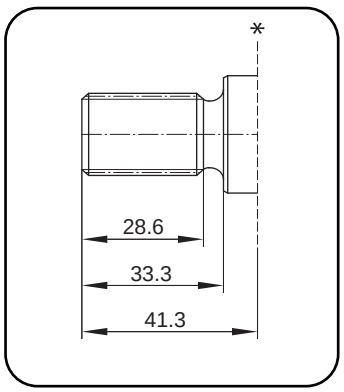
INVOLUTE SPLINE SHAFTS



code C



code Q

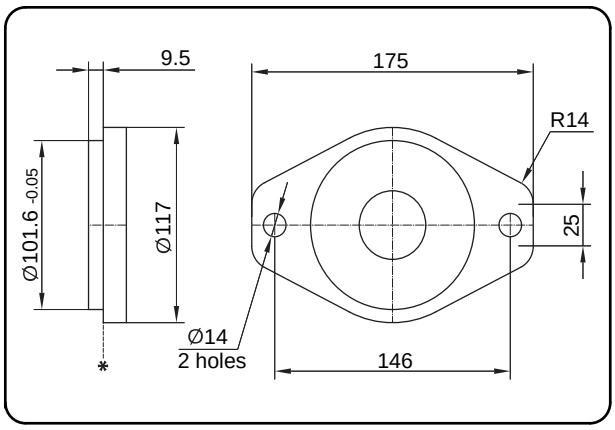


code B

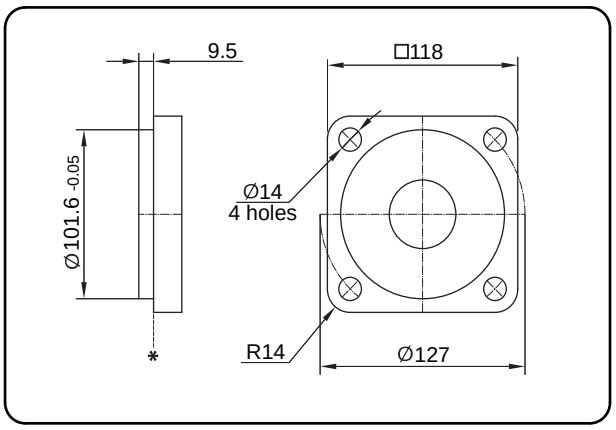
* standard flange mounting surface

	size	side fit	diametral pitch	pressure angle	number of teeth	major diameter
code C	SAE C 1 1/4"	flat root	12/24	30 o	14	31,20/ 31,12
code Q	SAE B 1 "	flat root	16/32	30 o	15	24,97/ 24,87
code B	SAE B 7/8"	flat root	16/32	30 o	13	21,79/ 21,66

SAE B

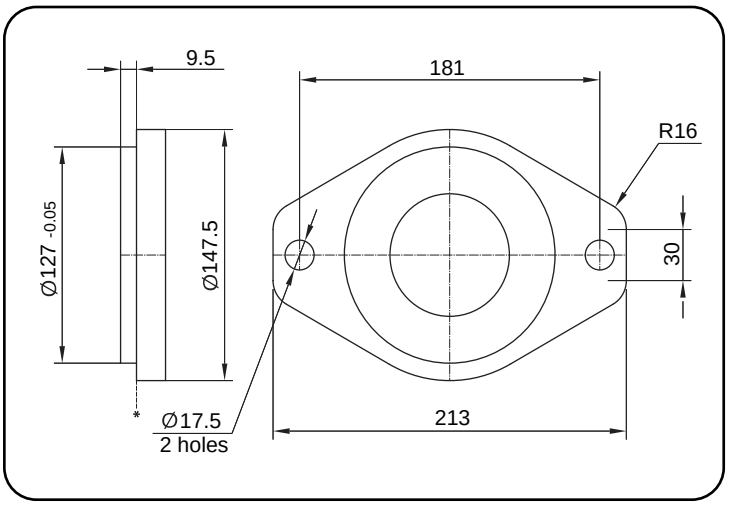


code 2

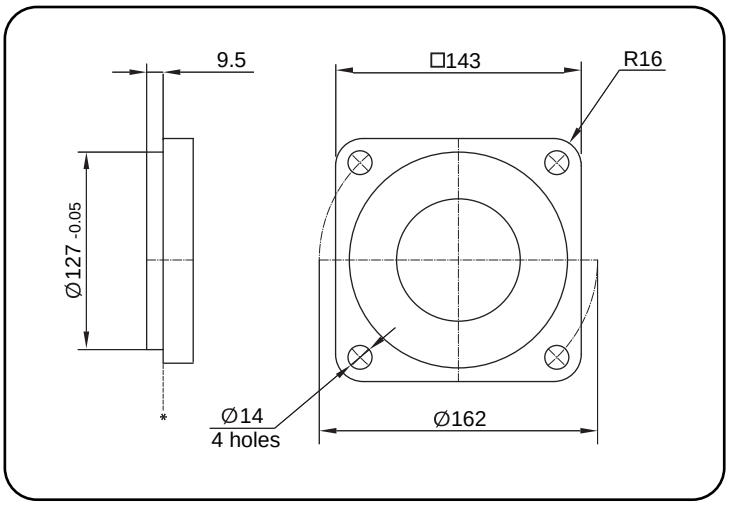


code 3

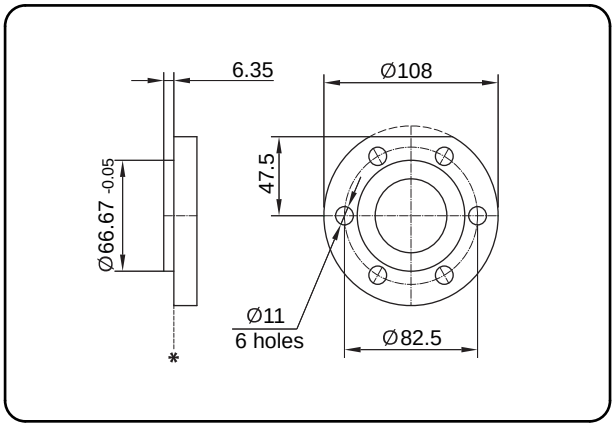
SAE C



code 4

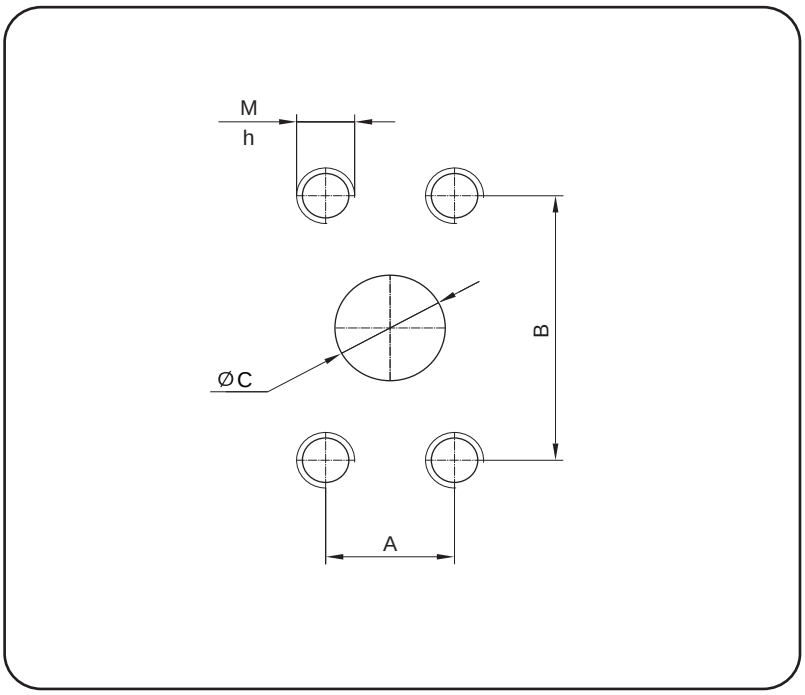


code 5



code 8

* standard flange mounting surface



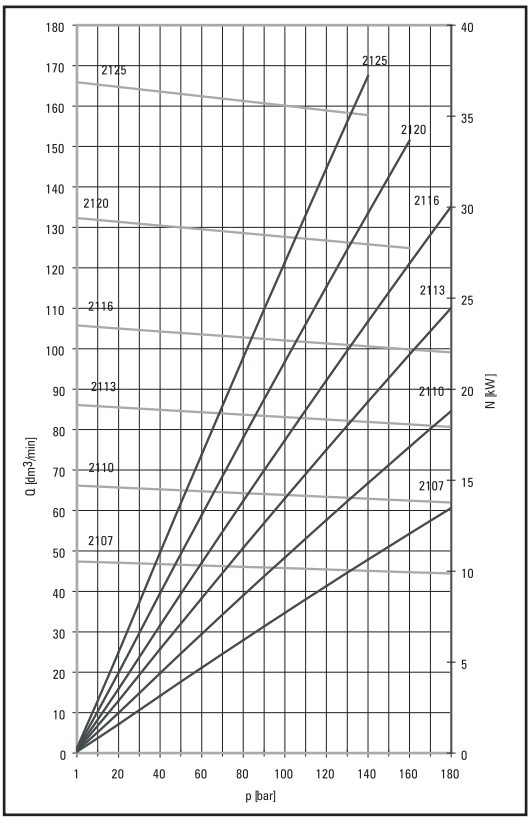
MOTORS							TYPE	PUMPS												
INLET/OUTLET								INLET							OUTLET					
B1		B1/B25			B25			B2		B2/B26			B26		B2		B2/B26			B26	
M	h	A	B	C	M	h		M	h	A	B	C	M	h	M	h	A	B	C	M	h
3/8 UNC	16	26,2	52,4	25	M10	20	2107	7/16 UNC	19	30,2	58,7	31	M12	20	3/8 UNC	16	26,2	52,4	25	M10	20
							2110														
							2113														
7/16 UNC	19	30,2	58,7	31	M12		2116	1/2 UNC	22	35,7	69,8	38			7/16 UNC	19	30,2	58,7	31	M12	
							2120														
1/2 UNC	22,5	35,7	69,8	38			2125			42,9	77,8	50			1/2 UNC	22,5	35,7	69,8	38		

PUMP CHARACTERISTICS

FLOW

INPUT POWER

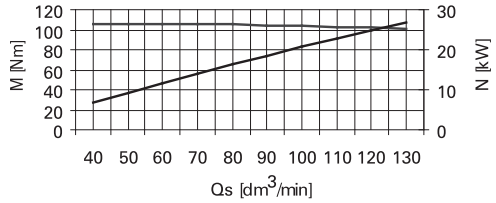
*Characteristic at shaft speed 1500 r.p.m.



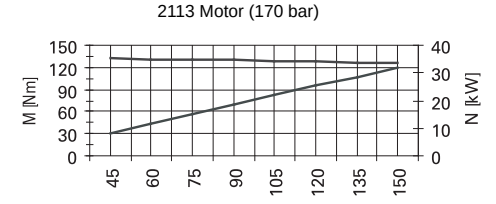
2100 SERIES

MOTOR CHARACTERISTICS

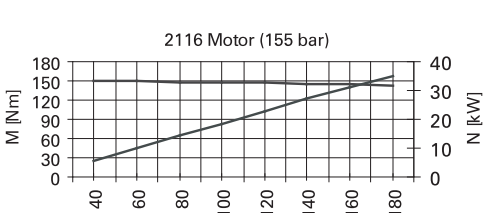
2110 Motor (170 bar)



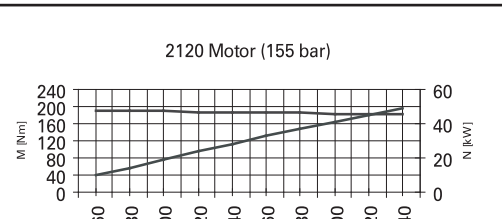
2113 Motor (170 bar)



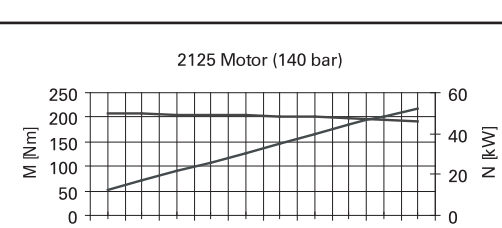
2116 Motor (155 bar)



2120 Motor (155 bar)



2125 Motor (140 bar)



DRIVE SHAFT

POWER LIMITATIONS