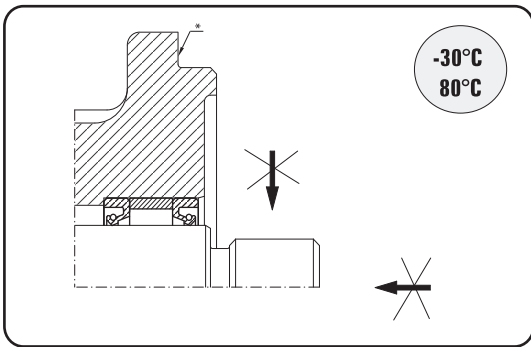


Model	1905	1907	1909	1911	1913
Displacement [ccm/rev]	22,0	33,4	41,5	51,8	62,1
Rated pressure [MPa]	21	21	21	21	21
Max speed [rpm]	pumps 2700 motors 3000				
Max torque motors [Nm]	-	100	122	154	184

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

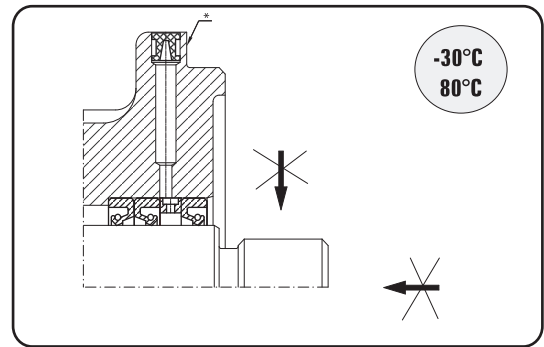
HOW TO ORDER

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		C	P	1905	Q	2	C25	C
P M		A C E A2P A2PV C2P C2PV	roller - plain	1905 1907 1909 1911 1913	B Q R AP	1 2 3 4 5 8	B25 B26	A C D



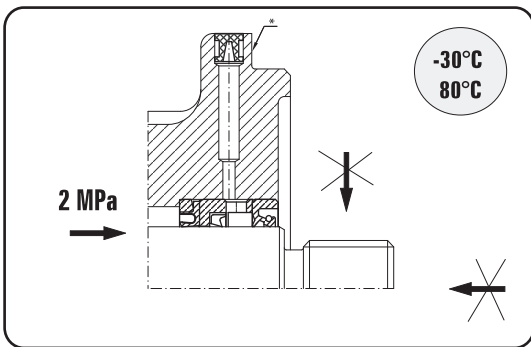
code A

Suitable for external drives and flexible coupling



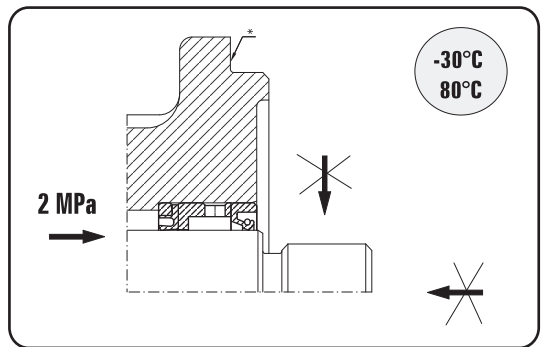
code C

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



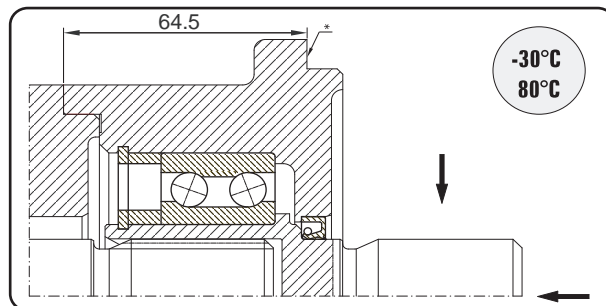
code C2P, C2PV

Options of high pressure shaft seal



code A2P, A2PV

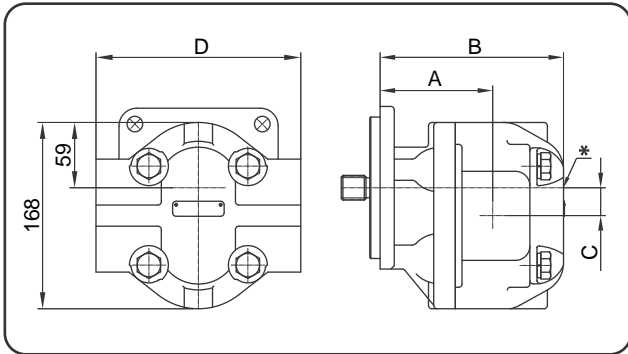
Options of high pressure shaft seal



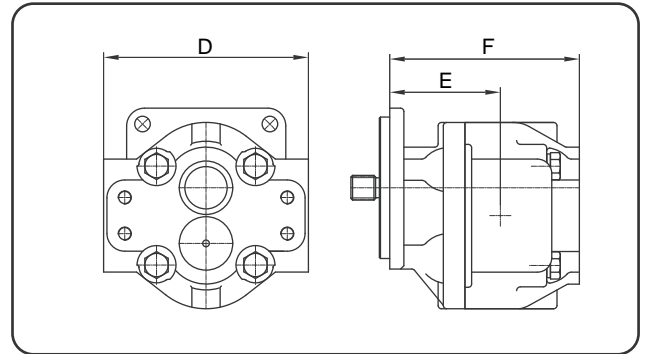
code E

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

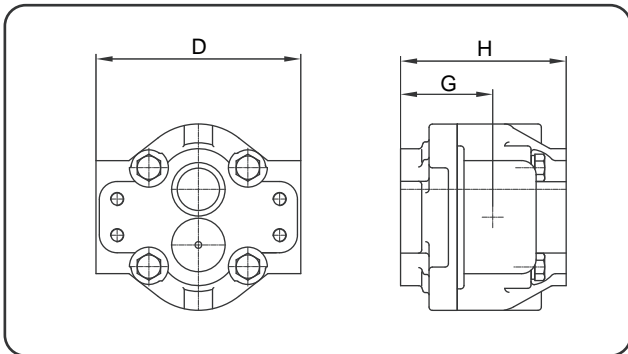
* standard flange mounting surface



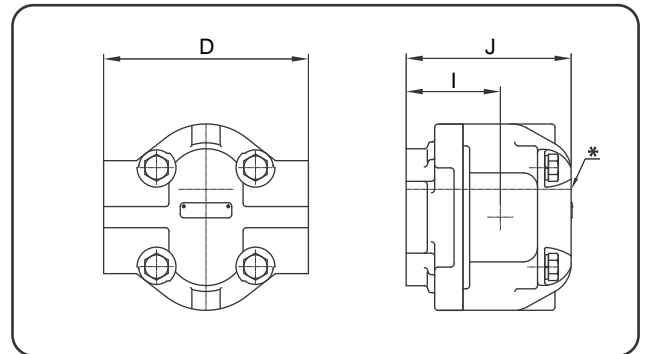
Single unit



Front unit



Intermediate unit

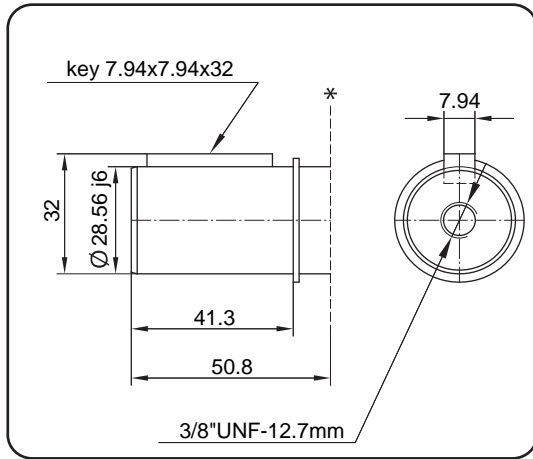


Rear unit

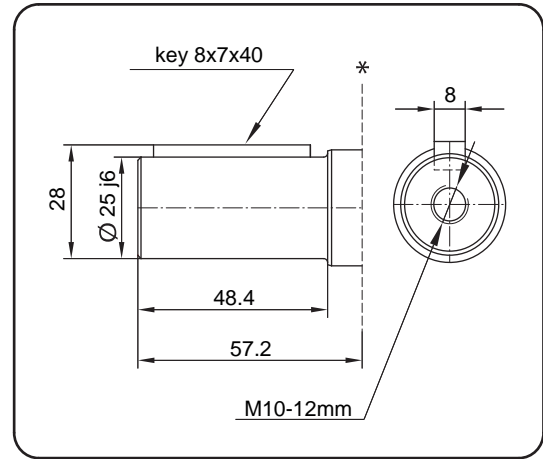
SIZE	Single unit				Front unit			Intermediate unit			Rear unit			D*
	A	B	C	Weight [kg]	E	F	Weight [kg]	G	H	Weight [kg]	I	J	Weight [kg]	
1905	94	143	25	18	94	156	19	83	145	18	83	132	17	184
1907	94	143	25	18	94	162	19	83	151	19	83	132	17	184
1909	97	159	25	18	97	167	19	86	156	19	86	148	18	184
1911	102	159	25	18	102	167	19	91	156	19	91	148	18	184
1913	102	172	25	19	102	179	20	91	169	19	91	161	19	184

* drain port for motors

SHAFTS WITH KEY

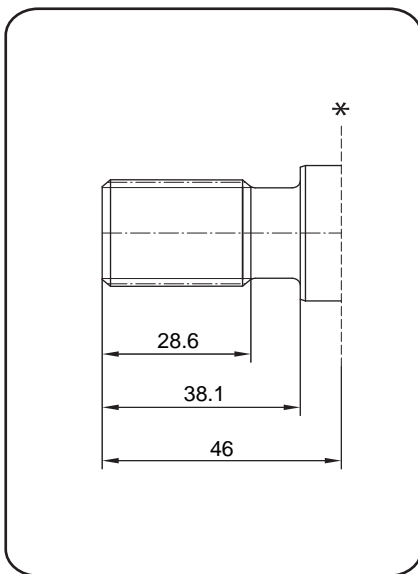


code R

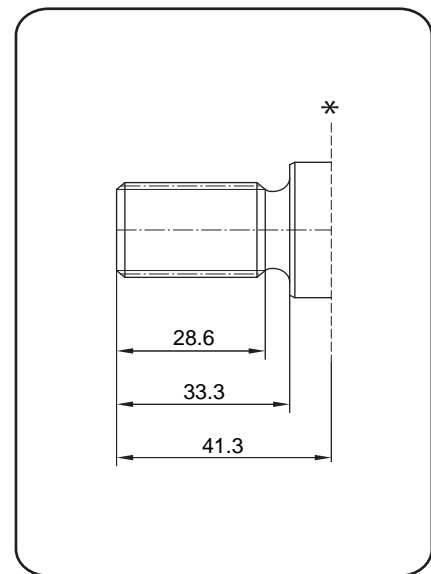


code AP

INVOLUTE SPLINE SHAFTS



code Q

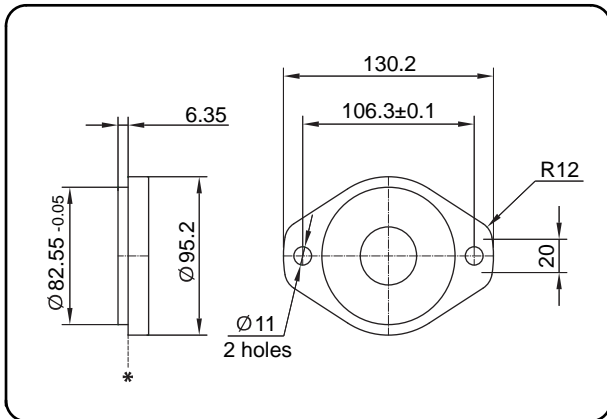


code B

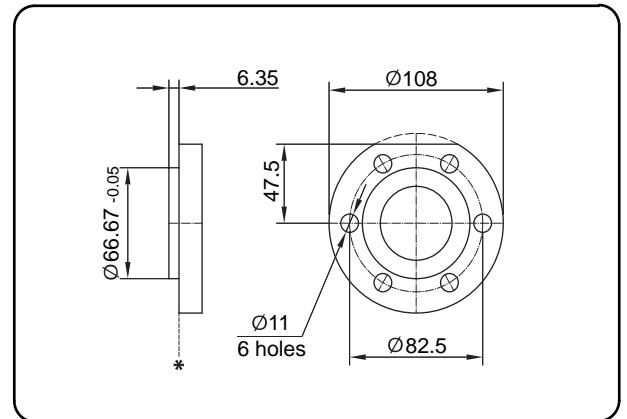
* standard flange mounting surface

	size	side fit	diametral pitch	pressure angle	number of teeth	major diameter
code Q	SAE BB	flat root	16/32	30°	15	24,97/ 24,87
	1"					
code B	SAE B	flat root	16/32	30°	13	21,79/ 21,66
	7/8"					

SAE A

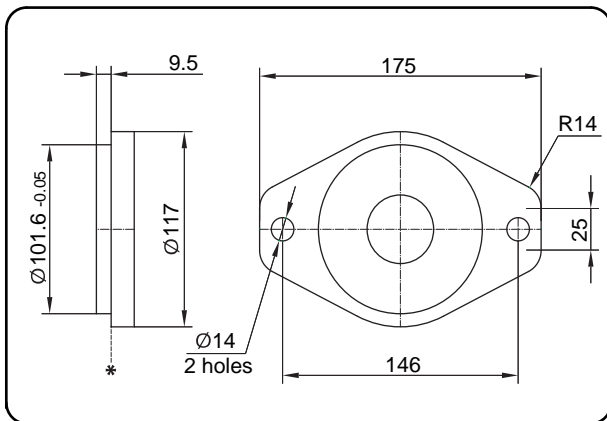


code 1

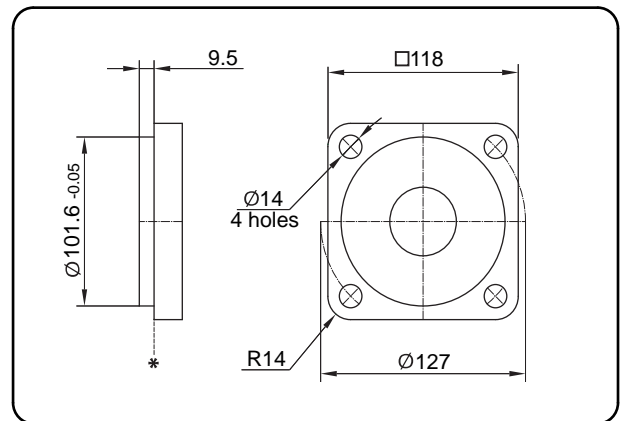


code 8

SAE B

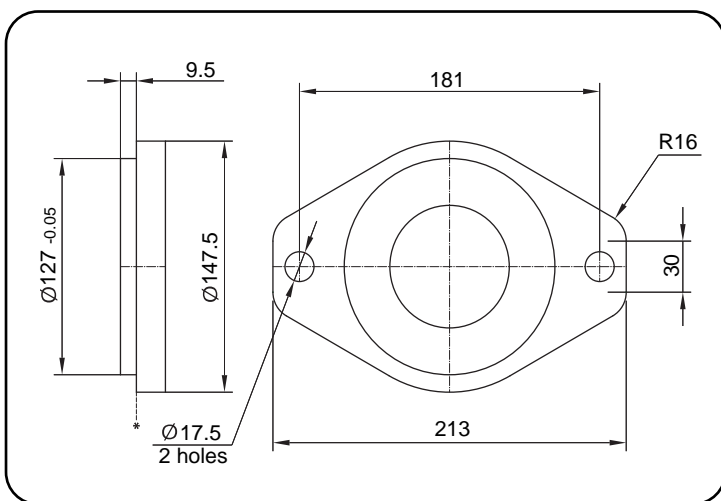


code 2

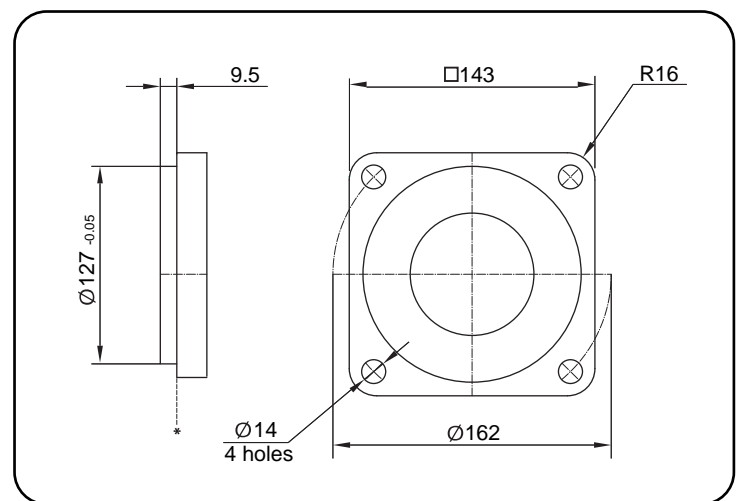


code 3

SAE C

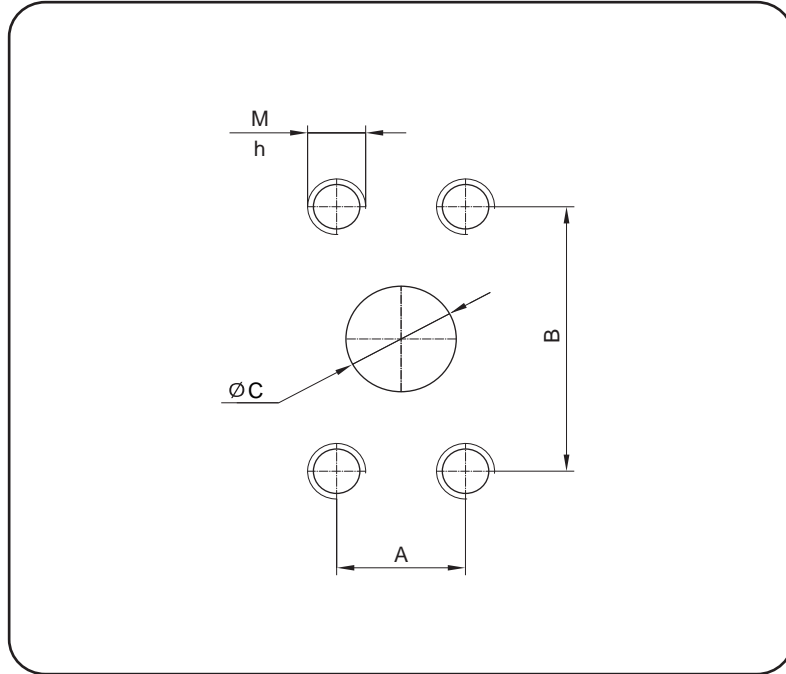


code 4



code 5

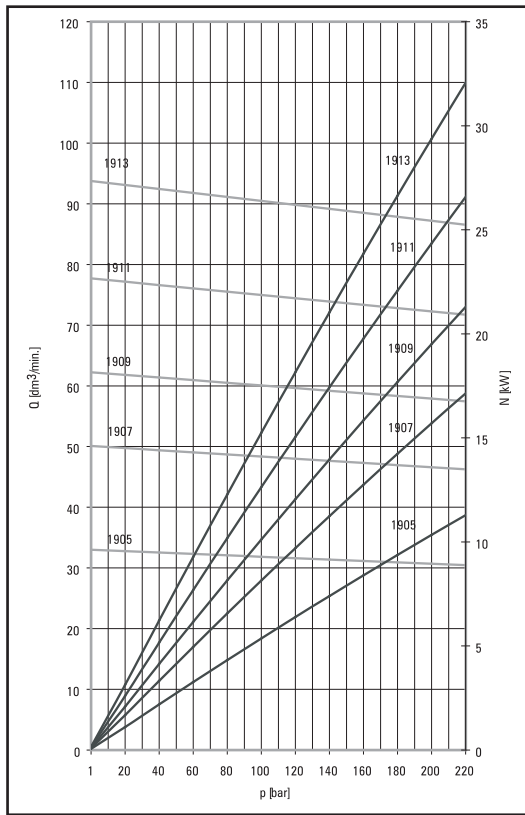
* standard flange mounting surface



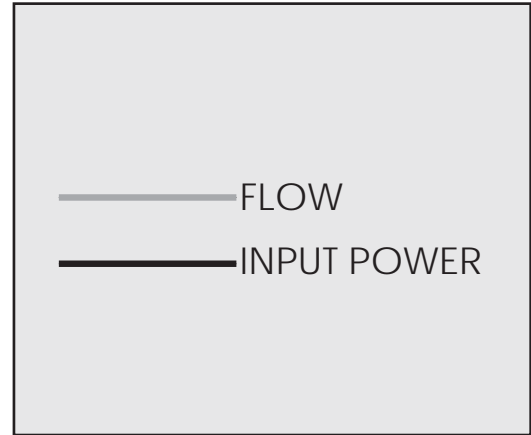
MOTORS							TYPE	PUMPS																					
INLET/OUTLET								INLET					OUTLET																
B2		B2/B26			B26			B2		B2/B26			B26		B2		B2/B26			B26									
M	h	A	B	C	M	h		M	h	A	B	C	M	h	M	h	A	B	C	M	h								
3/8 UNC	28,6	22,2	47,6	19	M10	25	1905	28,6	28,6	30,2	58,7	31	M10	25	3/8 UNC	28,6	26,2	52,4	25	M10	25								
		1907	22,2	47,6			19																						
		1909	26,2	52,4			25															7/16 UNC	26,2	52,4	25	7/16 UNC	26,2	52,4	25
		1911	30,2	58,7			31															1/2 UNC	30,2	58,7	31	7/16 UNC	30,2	58,7	31
7/16 UNC		30,2	58,7	31			1913		35,7	69,8	38	M12		7/16 UNC		30,2	58,7	31											

GEAR PUMPS AND MOTORS HAMWORTHY SERIES

PUMP CHARACTERISTICS



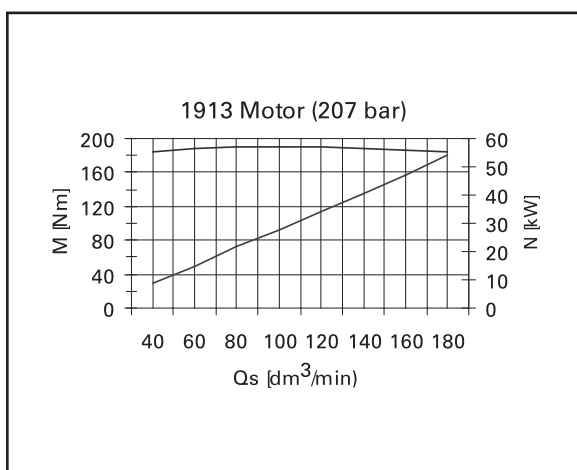
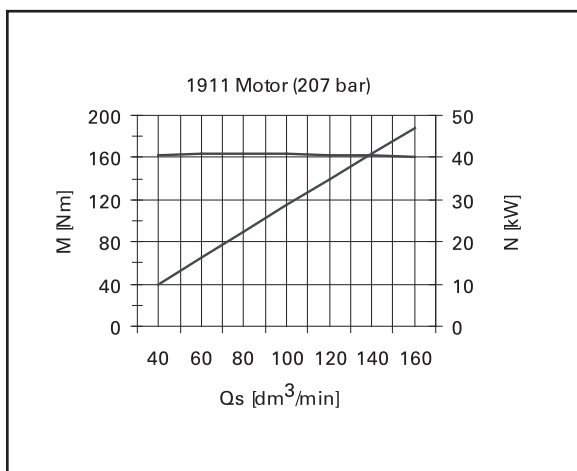
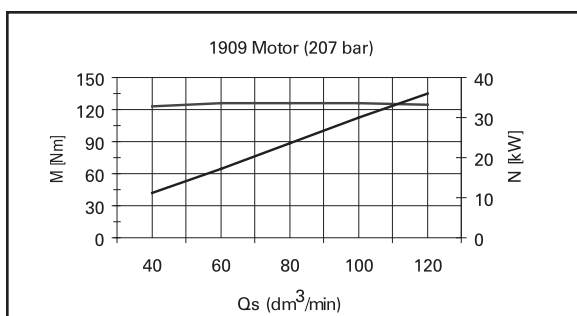
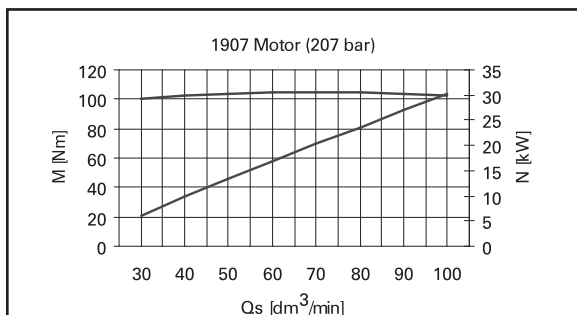
1900 SERIES



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

GEAR PUMPS AND MOTORS HAMWORTHY SERIES

MOTOR CHARACTERISTICS



1900 SERIES



GEAR PUMPS AND MOTORS HAMWORTHY SERIES

DRIVE SHAFT

POWER LIMITATIONS

