

INTERMOT DUAL DISPLACEMENT MOTORS

IAC SERIES

H6 MODEL

IAC 3000 H6

IAC 3000/C H6

INDEX

IAC 3000 H6 D90 - - - - -	Pag.	52
IAC 3000/C H6 D90 - - - - -	"	53
IAC 3000 H6 D90 C3 SV - - - - -	"	54
IAC 3000/C H6 D90 C3 SV - - - - -	"	55
IAC 3000 H6 D90 C3-24 SV - - - - -	"	56
IAC 3000 H6 D90 C3-24 SV - - - - -	"	57
ORDERING INSTRUCTIONS - - - - -	"	58

MOTOR TECHNICAL DATA

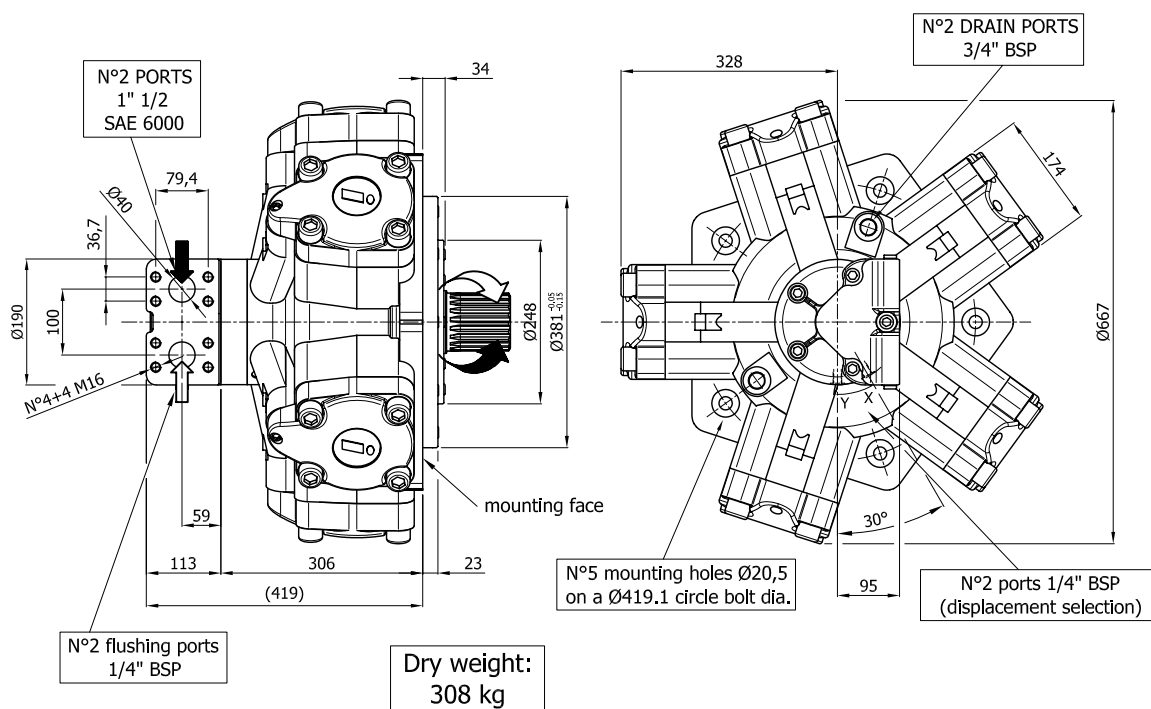
Displacement [cc/Rev]	3085	2950	2790	2620	2460	2290	2130	1970	1800
Specific theoretical torque [Nm/bar]	49,1	47	44,4	41,7	39,2	36,5	33,9	31,4	28,7
Continuous maximum speed [rpm]	235	240	245	250	250	265	285	305	340
Minimum speed [rpm]	1	1	1	1	1	1	1	1	1
Mechanical efficiency [%]	95	94,5	94,2	94	93,7	93,5	92,8	92,3	92
Starting mechanical efficiency [%]	86	85,4	84,4	83,6	82,4	82	80,2	78	76
Continuous maximum power [kW]	175	175	175	165	155	150	140	130	122
Intermittent maximum power [kW]	196	196	196	185	174	168	157	146	137
Continuous maximum pressure [bar]	250	250	250	250	250	250	250	250	250
Intermittent maximum pressure [bar]	275	275	275	275	275	275	275	275	275
Peak pressure [bar]	350	350	350	350	350	350	350	350	350
Recommended flushing flow [l/min]	12	12	12	12	12	12	12	12	12

Displacement [cc/Rev]	1640	1470	1310	1150	980	820	670	490	330
Specific theoretical torque [Nm/bar]	26,1	23,4	20,9	18,3	15,6	13,1	10,7	7,8	5,2
Continuous maximum speed [rpm]	370	400	425	455	490	520	600	600	600
Minimum speed [rpm]	1	1	1	1	1	2	2	2	3
Mechanical efficiency [%]	91	90,5	88	86,2	82,3	81,7	78	76	73,2
Starting mechanical efficiency [%]	73	70	66,4	62	55,4	46,3	33	0	0
Continuous maximum power [kW]	115	106	100	89	81	73	62	49	25
Intermittent maximum power [kW]	129	119	112	100	91	82	70	55	35
Continuous maximum pressure [bar]	250	250	250	250	250	250	250	250	250
Intermittent maximum pressure [bar]	275	275	275	275	275	275	275	275	275
Peak pressure [bar]	350	350	350	350	350	350	350	350	350
Recommended flushing flow [l/min]	12	12	12	12	12	12	12	12	12

INTERCHANGEABLE WITH HMC200

SIZE

IAC 3000 H6 D90

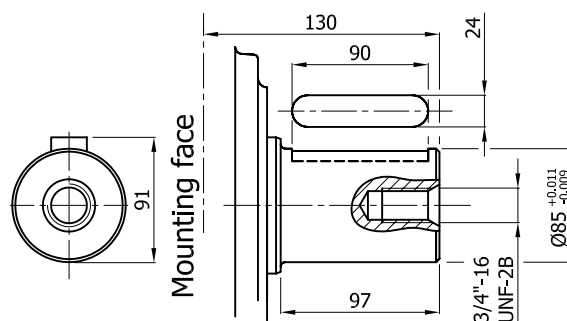
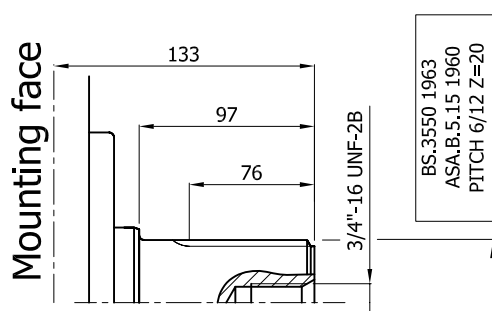


SHAFT

IAC 3000 H6 D90

A1: Splined shaft

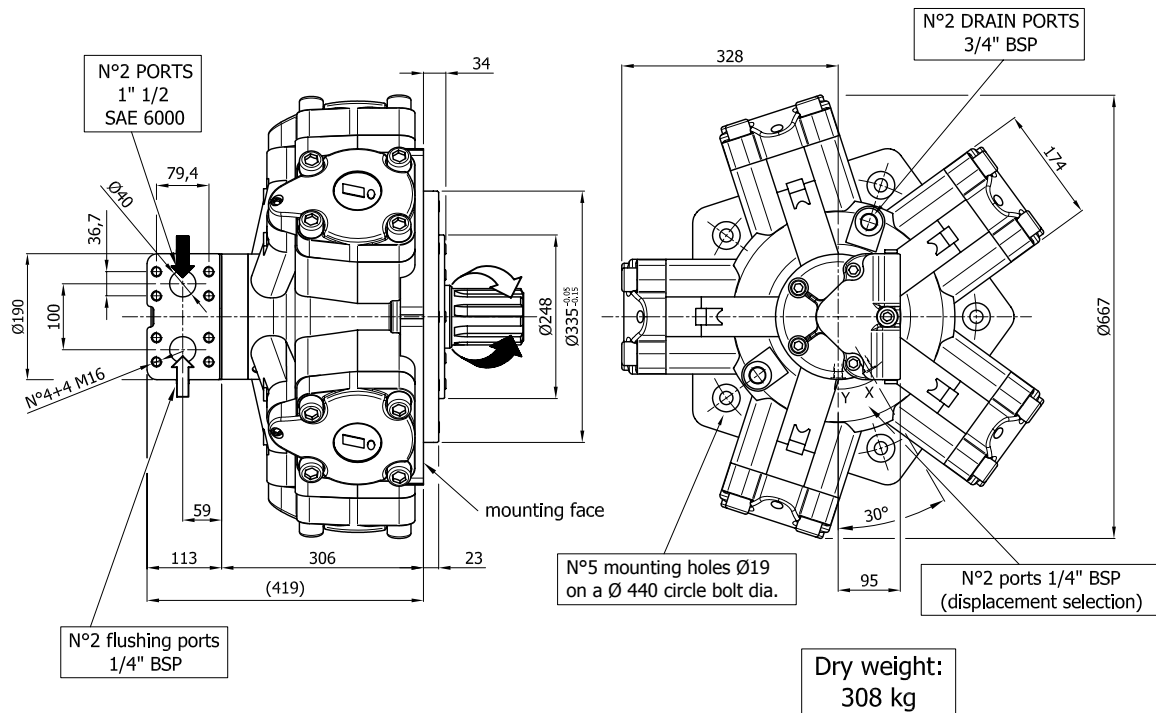
A2: Parallel shaft



INTERCHANGEABLE WITH MRD2800

SIZE

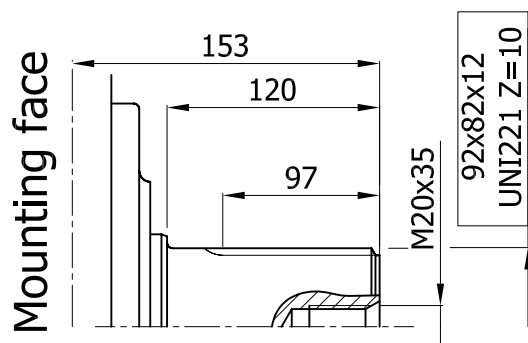
IAC 3000/C H6 D90



SHAFT

IAC 3000/C H6 D90

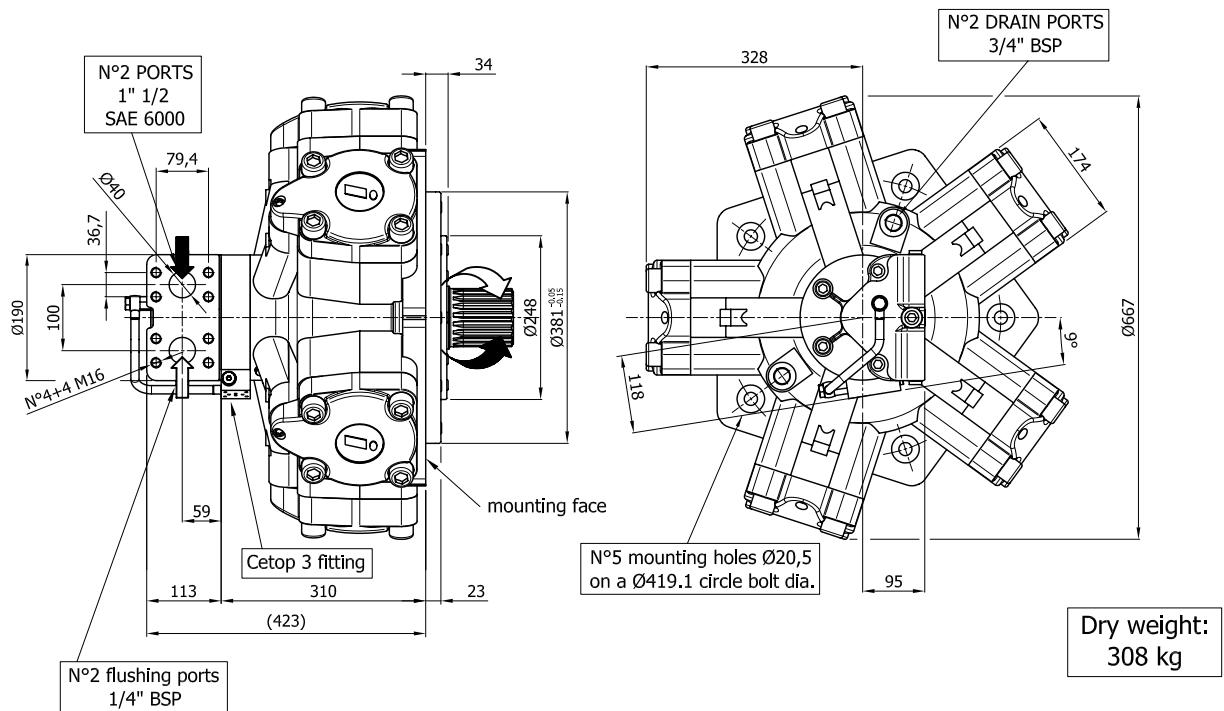
A0: Splined shaft



INTERCHANGEABLE WITH HMC200

SIZE

IAC 3000 H6 D90 C3 SV

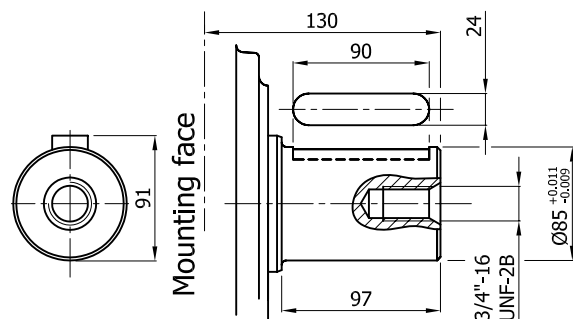
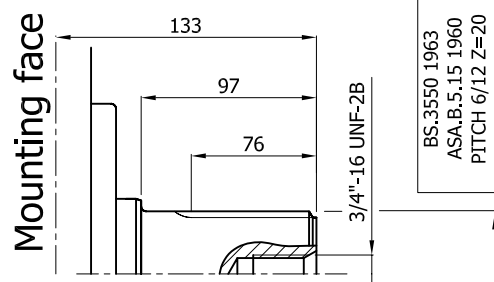


SHAFT

IAC 3000 H6 D90 C3 SV

A1: Splined shaft

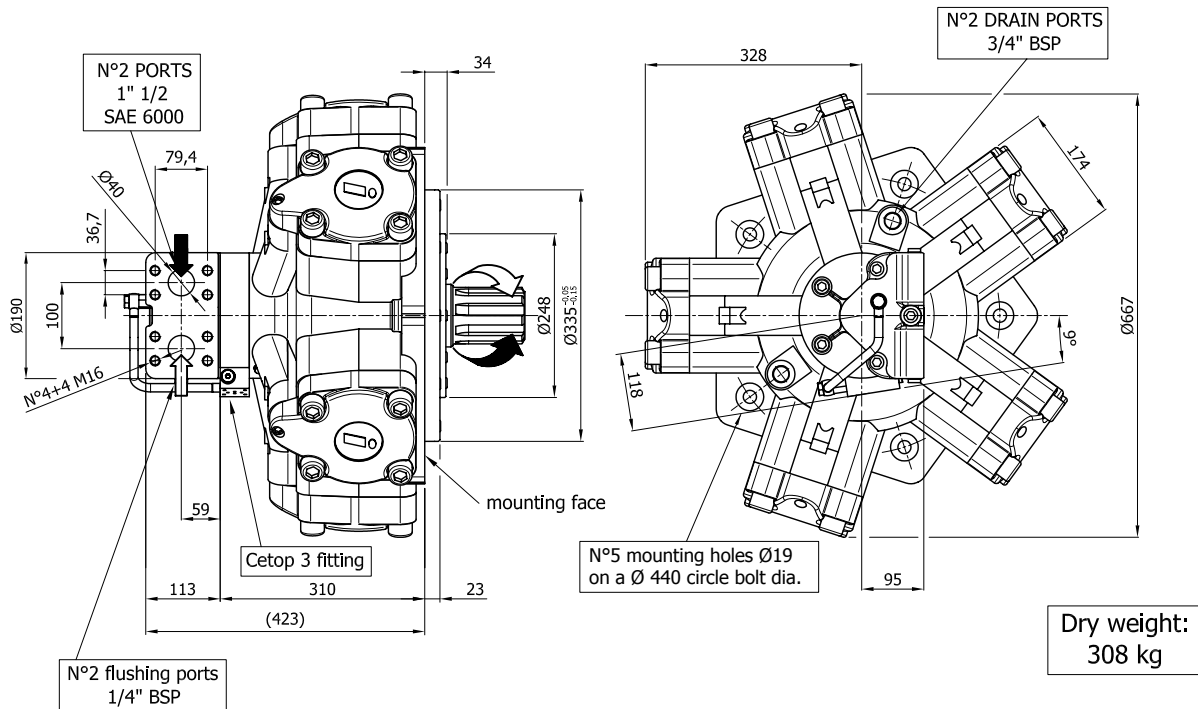
A2: Parallel shaft



INTERCHANGEABLE WITH MRD2800

SIZE

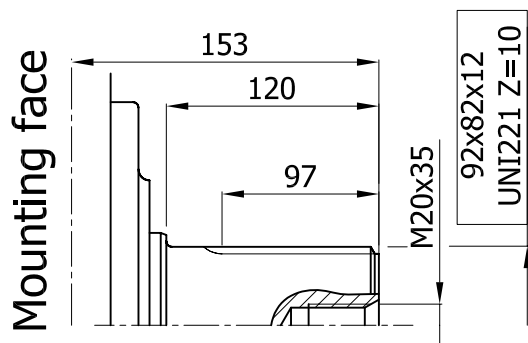
IAC 3000/C H6 D90 C3-SV



SHAFT

IAC 3000/C H6 D90 C3-SV

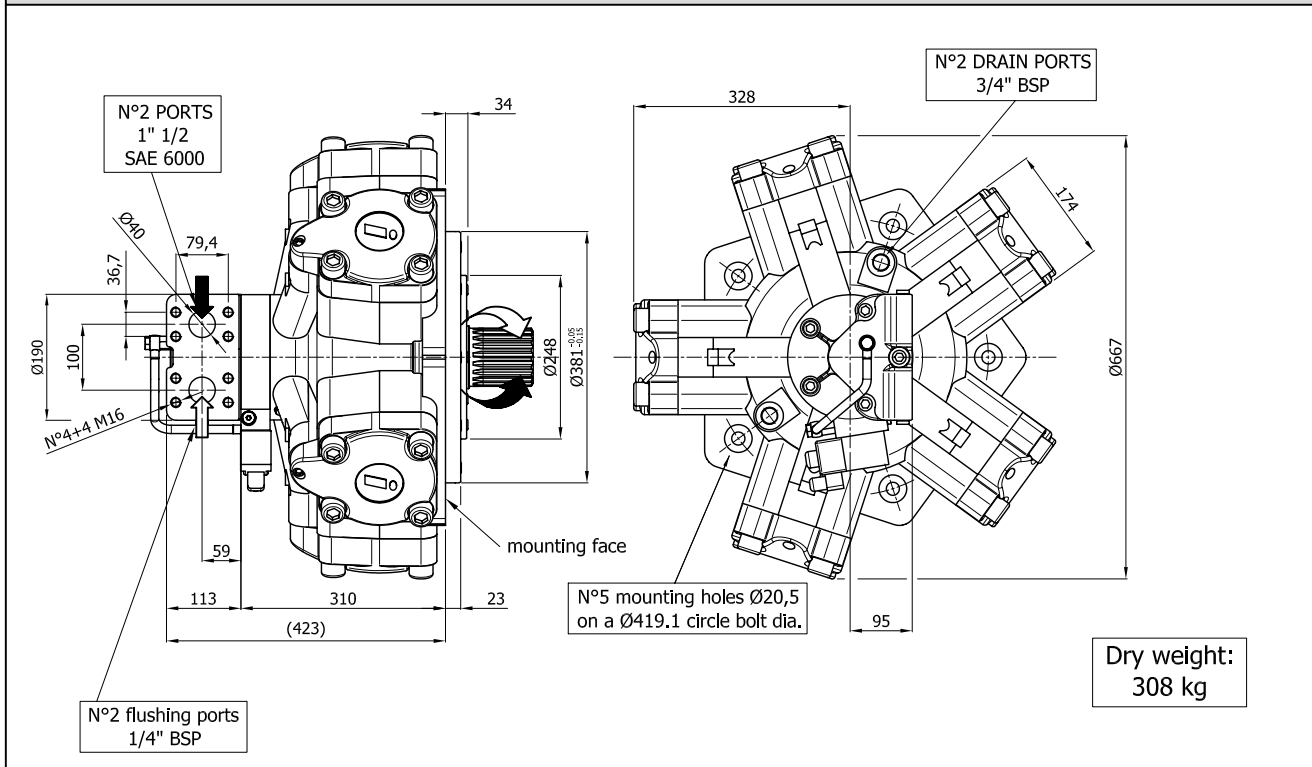
A0: Splined shaft



INTERCHANGEABLE WITH HMC200

SIZE

IAC 3000 H6 D90 C3-24 SV

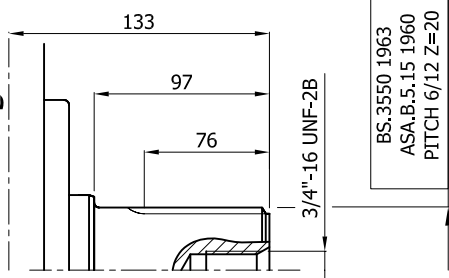


SHAFT

IAC 3000 H6 D90 C3-24 SV

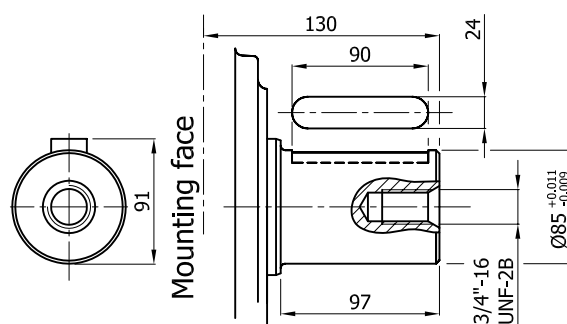
A1: Splined shaft

Mounting face



A2: Parallel shaft

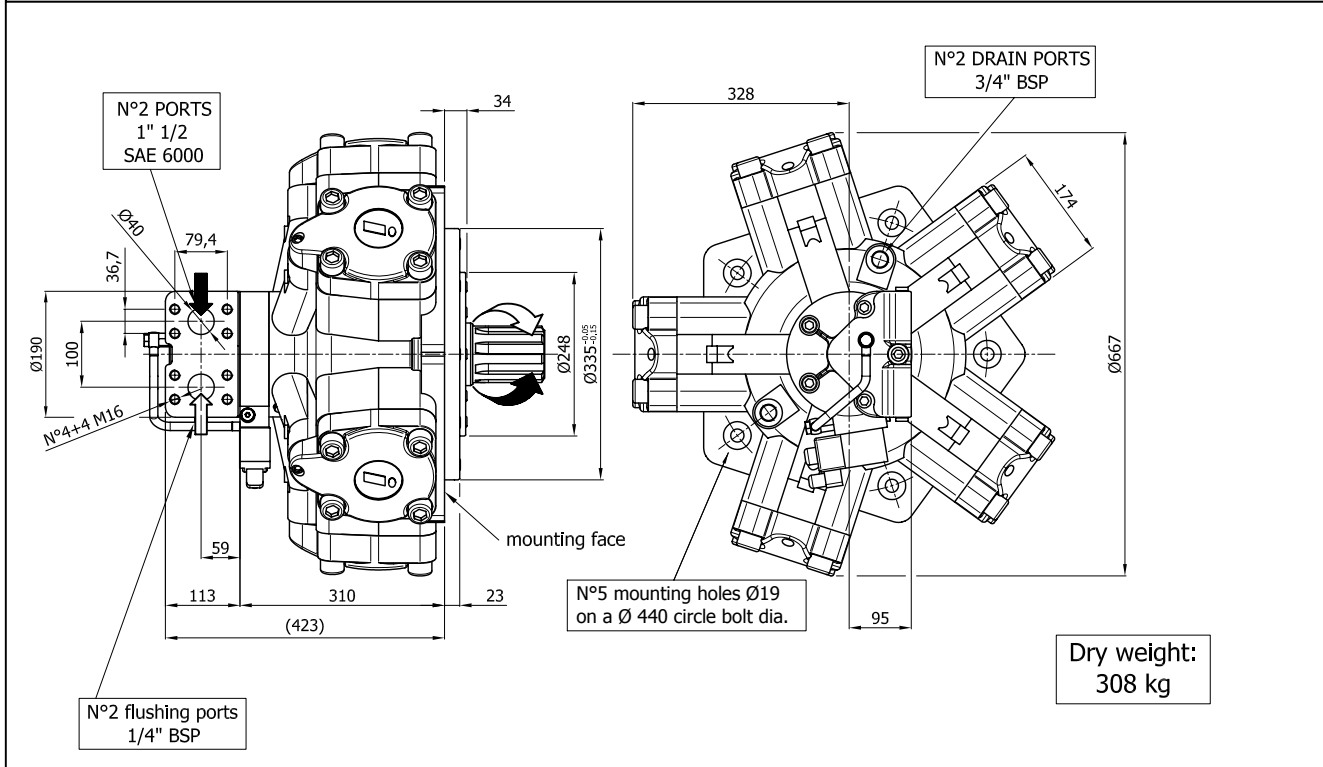
Mounting face



INTERCHANGEABLE WITH MRD2800

SIZE

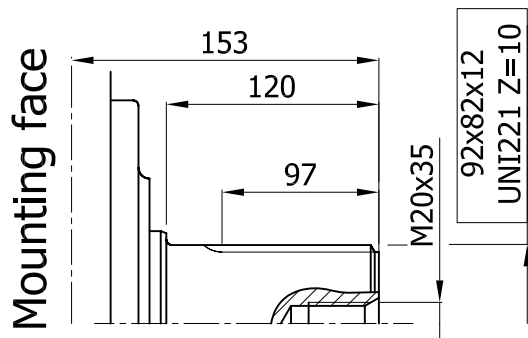
IAC 3000/C H6 D90 C3-24 SV



SHAFT

IAC 3000/C H6 D90 C3-24 SV

A0: Splined shaft



ORDERING INSTRUCTIONS

IAC H6

IAC --	/-	H1	A -	D --	---	---	SV	SB -	---	---	---	---
Motor model IAC 3000	Motor interchangeability /C	Housing H6	Shaft A0 splined shaft A1 splined shaft A2 parallel shaft	Distributor D90 (SAE 6000 1" 1/2)	Tachometer (optional) TA TB EST EST.30 J TACHOMETER PREDISPOSITION	Cetop 3 fitting (optional) C3 (Cetop 3 fitting) C3-12 (Cetop 3 fitting, with 12V DC valve included) C3-24 (Cetop 3 fitting, with 24V DC valve included)	Shuttle valve (optional) SV	Spline billet (optional) SB9 (for A0 splined shaft) SB10 (for A1 splined shaft)	Valves (optional) RVDA OVSA (see valve section for details and complete ordination code) OVDA ORVSA RVDAP	Special features (optional) 01 (Viton seals) 02 (Oxynit treatment on the external motor surface) 03 (Nitemper treatment on cylinder bores)	Conversion flange (optional) (see conversion flanges section) FL7 (for IAC 3000 H6 D90)	Displacements MAX-MIN (MAXIMUM AND MINIMUM DISPLACEMENT OF MOTOR)

Max displacement range: 3085-1640 cc/Rev
IAC 3000 H6
Min displacement range: 2290-330 cc/Rev

Different displacements on request

EXAMPLE: IAC.3000.H6.A1.D90.C3-24.SV.2950-1640
IAC.3000/C.H6.A0.D90.J.C3.SV.2290-1150