

INTERMOT DUAL DISPLACEMENT MOTORS

IAC SERIES

H3 MODEL

IAC 500

IAC 500/B30

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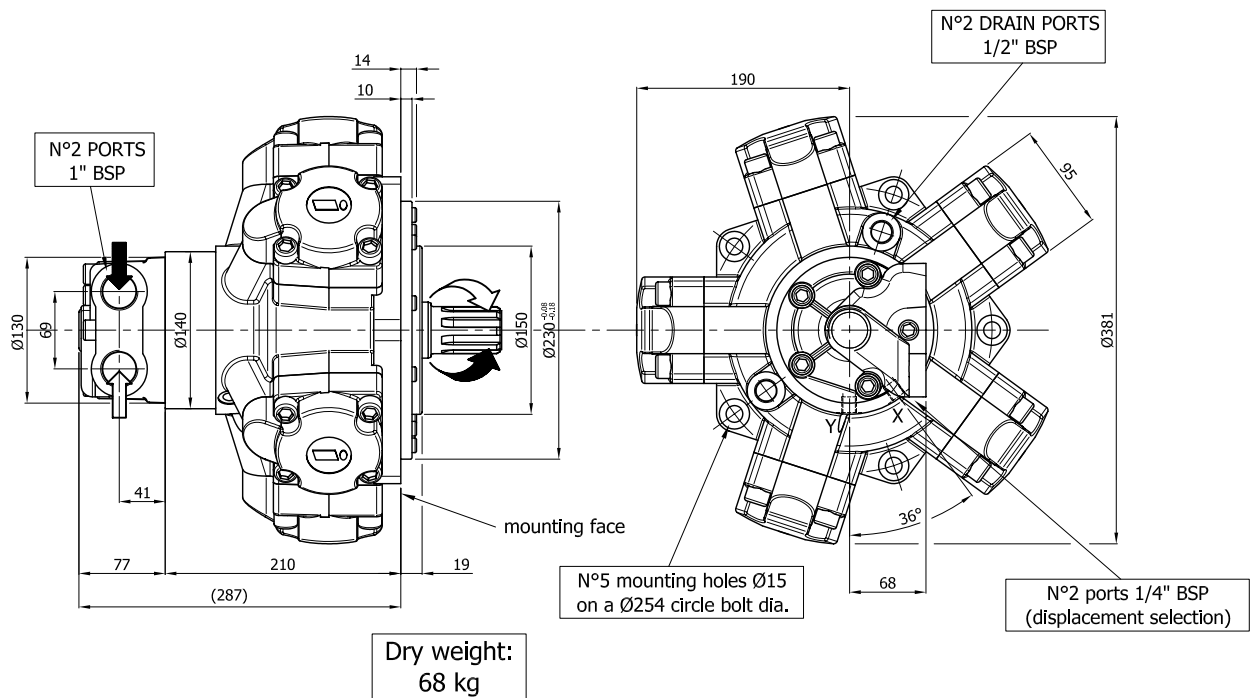
MOTOR TECHNICAL DATA

IAC 500 H3

	492	442	393	344	292	255	197	147	98
Displacement [cc/Rev]	7.8	7	6.3	5.5	4.7	4.1	3.1	2.3	1.6
Specific theoretical torque [Nm/bar]	450	505	520	545	580	595	600	600	600
Continuous maximum speed [rpm]	2	2	2	2	2	3	3	3	4
Minimum speed [rpm]	87.5	86	85	83.6	82.4	82	80	78	73.4
Mechanical efficiency [%]	82.5	81	80	77.2	74.3	69.6	62.1	52	30
Starting mechanical efficiency [%]	61	60	57	50	44	36	26	20	9
Continuous maximum power [kW]	66	75	71	62.5	55	45	21	25	11
Intermittent maximum power [kW]	250	250	250	250	250	250	250	250	250
Continuous maximum pressure [bar]	275	275	275	275	275	275	275	275	275
Intermittent maximum pressure [bar]	350	350	350	350	350	350	350	350	350
Peak pressure [bar]	10	10	10	10	10	10	10	10	10
Recommended flushing flow [l/min]									

SIZE

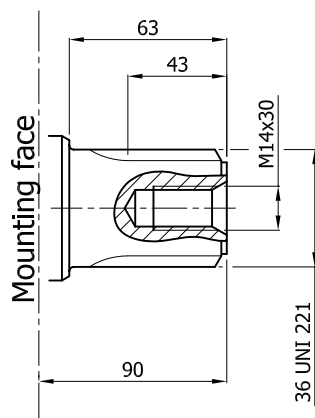
IAC 500 H3 D40



SHAFT

IAC 500 H3 D40

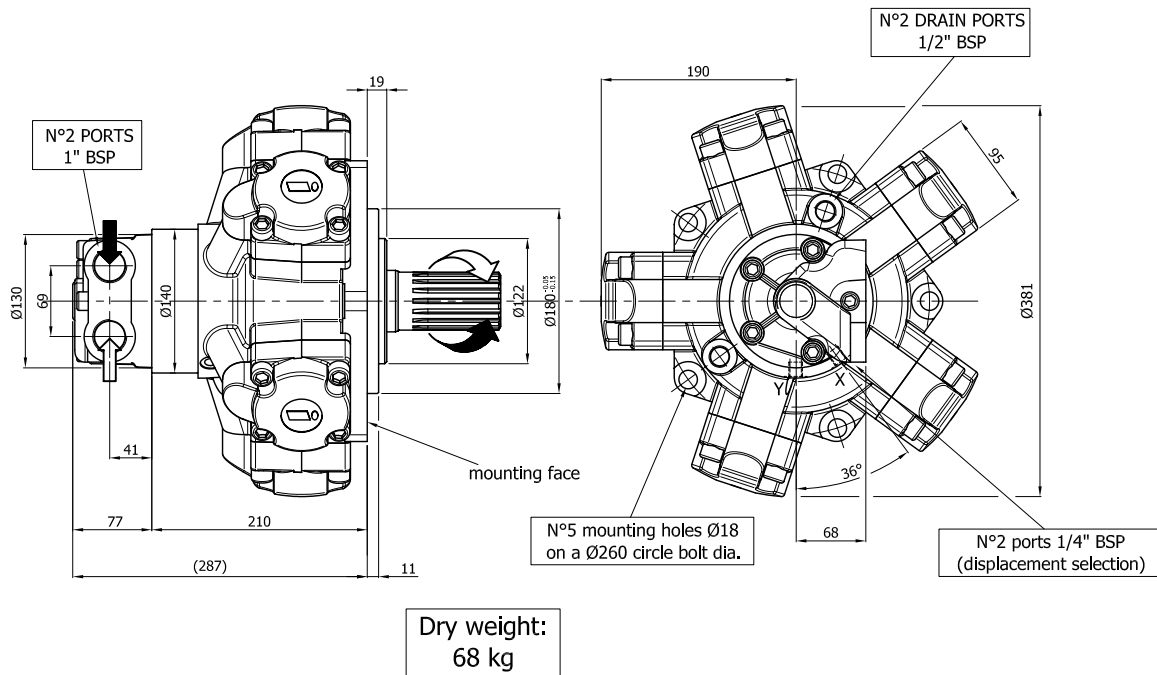
A0: Standard splined shaft



INTERCHANGEABLE WITH HMC30

SIZE

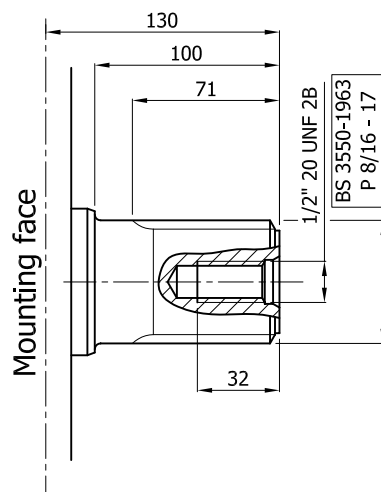
IAC 500/B30 H3 D40



SHAFT

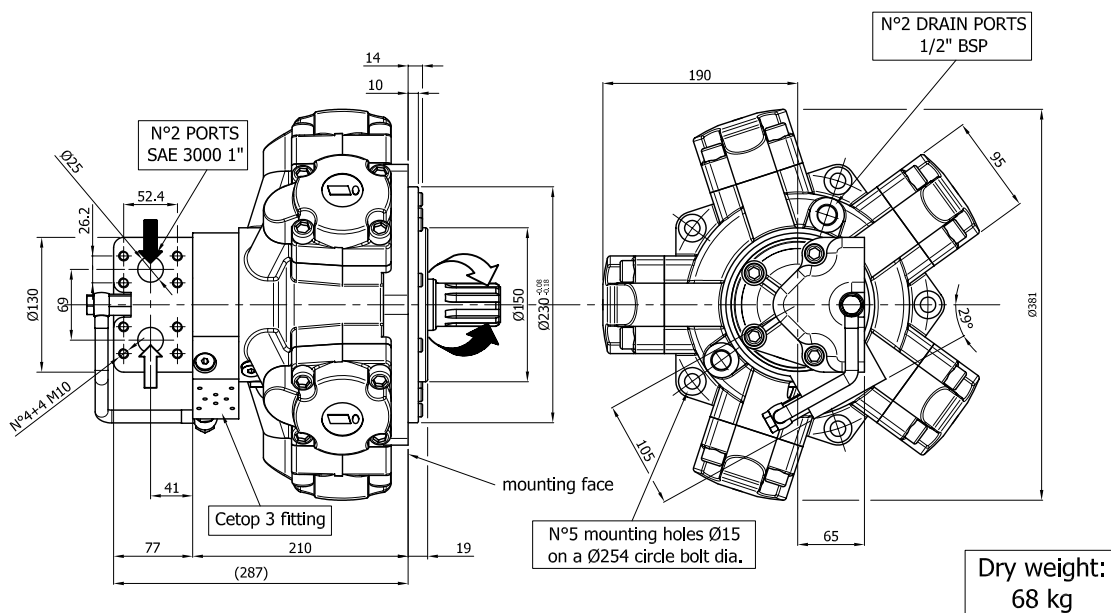
IAC 500/B30 H3 D40

A1: Splined shaft



SIZE

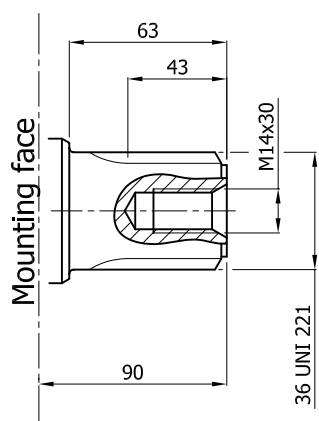
IAC 500 H3 D47 C3 SV



SHAFT

IAC 500 H3 D47 C3 SV

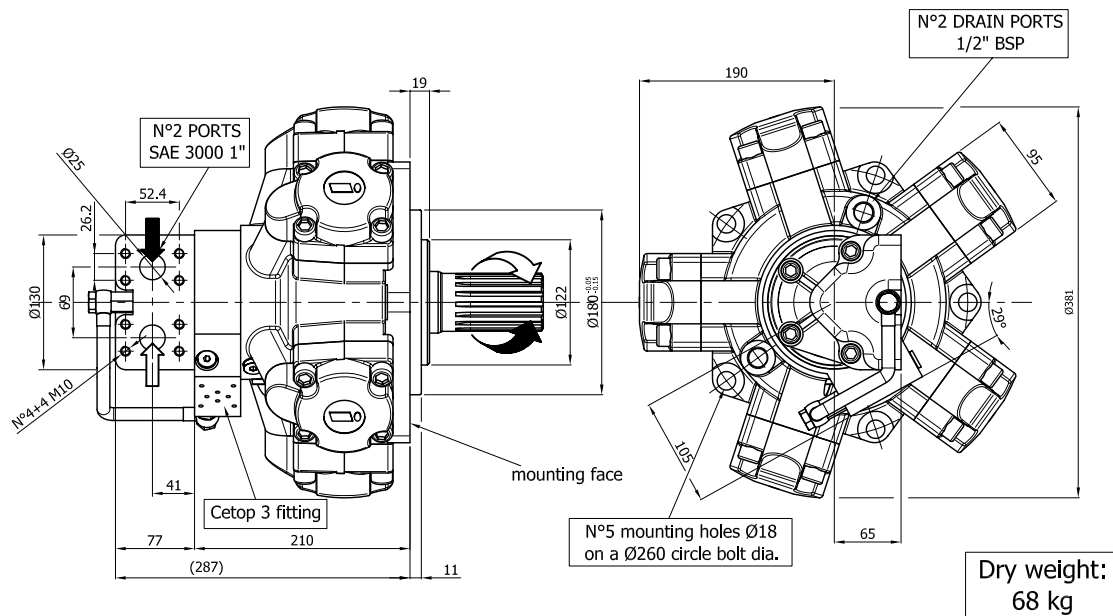
A0: Standard splined shaft



INTERCHANGEABLE WITH HMC30

SIZE

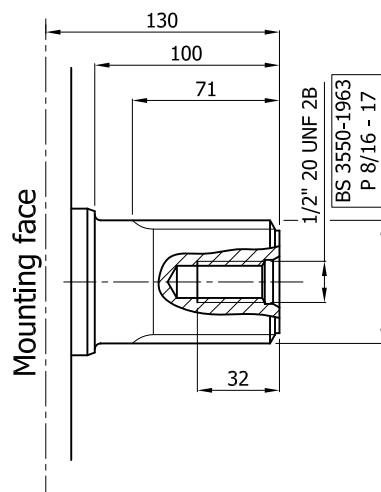
IAC 500/B30 H3 D47 C3 SV



SHAFT

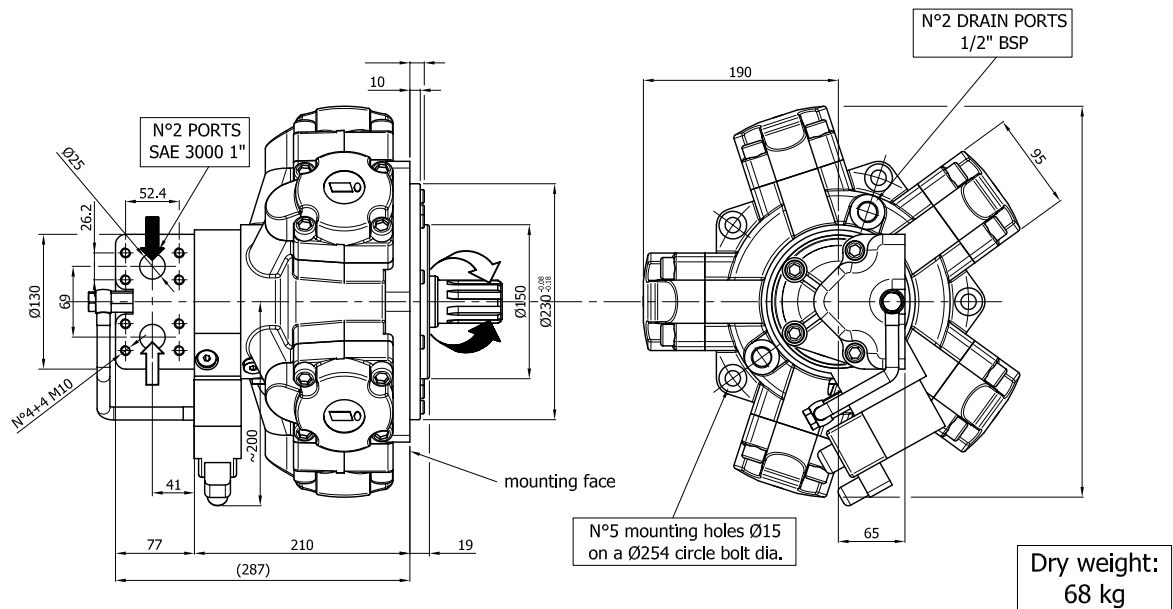
IAC 500/B30 H3 D47 C3 SV

A1: Splined shaft



SIZE

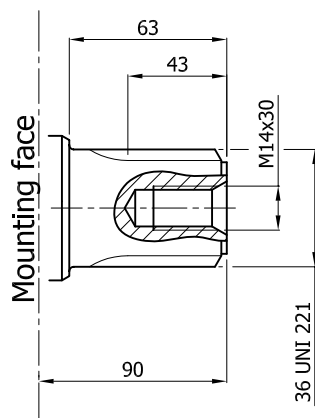
IAC 500 H3 D47 C3-24 SV



SHAFT

IAC 500 H3 D47 C3-24 SV

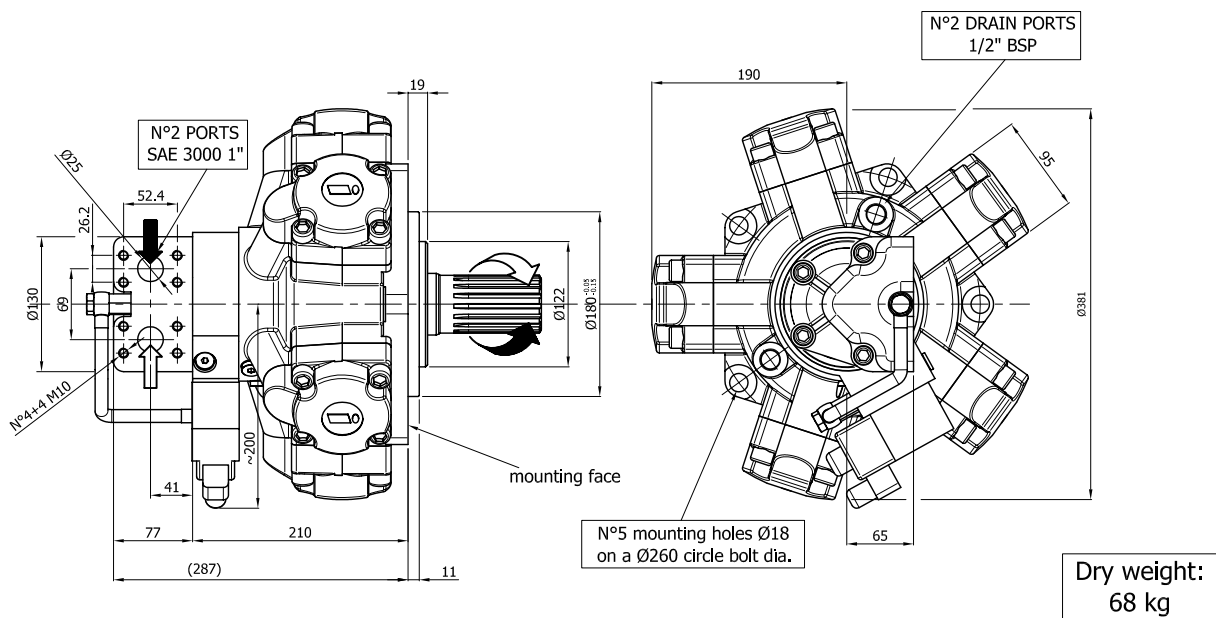
A0: Standard splined shaft



INTERCHANGEABLE WITH HMC30

SIZE

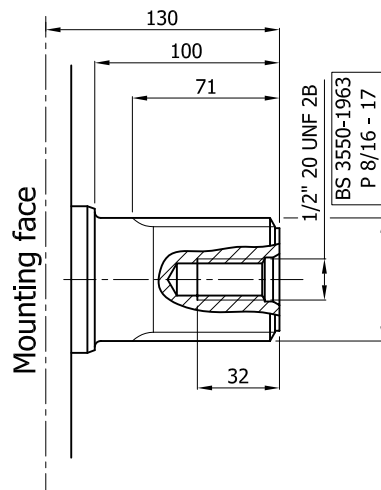
IAC 500/B30 H3 D47 C3-24 SV



SHAFT

IAC 500/B30 H3 D47 C3-24 SV

A1: Splined shaft



ORDERING INSTRUCTIONS

H3

IAC --	/-	H1	A -	D --	---	---	SV	SB -	---	---	---
Motor model IAC 500	Motor interchangeability /B30	Housing H3	Shaft A0 standard splined shaft A1 splined shaft	Distributor D40 (1" BSP) D47 (SAE 3000 1")	Tachometer (optional) TA TB EST EST.30 J TACHOMETER PREDISPOSITION	Cetop 3 fitting (optional, available only with D47) 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 (available only with D47 distributor)	Spline billet (optional) SB3 (for A0 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)	Displacements MAX-MIN (MAXIMUM AND MINIMUM DISPLACEMENT OF MOTOR)

IAC 500 H3 Max displacement range: 492-255 cc/Rev
 Min displacement range: 344-98 cc/Rev
 Different displacements on request

EXAMPLE: IAC.500/B30.H3.A1.D47.C3-24.01.492-197
 IAC.500.H3.A0.D40.J.492-147
 IAC.500/B30.H3.A1.D47.C3.393-147