

INTERMOT DUAL DISPLACEMENT MOTORS

IAC SERIES

H7 MODEL

IAC 4600 H7

IAC 5400 H7

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MOTOR TECHNICAL DATA

IAC 4600 H7

Displacement [cc/Rev]	4617	4177	3650	3280	2950	2620	2290	1970	1640
Specific theoretical torque [Nm/bar]	73,5	66,5	58,1	52,2	47	41,7	36,5	31,4	26,1
Continuous maximum speed [rpm]	150	158	168	175	210	235	275	305	380
Minimum speed [rpm]	1	1	1	1	1	1	1	1	1
Mechanical efficiency [%]	95,3	95,1	94,5	94,4	93,3	92,4	91,5	90,1	86,5
Starting mechanical efficiency [%]	85,1	84	83,3	82,5	81,2	80,1	78	75,2	72,4
Continuous maximum power [kW]	190	180	165	150	140	129	115	104	88
Intermittent maximum power [kW]	213	202	185	169	157	145	129	122	110
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]	1310	980	655	492	328	164	82	0
Specific theoretical torque [Nm/bar]	20,9	15,6	10,4	7,8	5,2	2,6	0	0
Continuous maximum speed [rpm]	435	460	495	520	550	1000	1000	1000
Minimum speed [rpm]	1	1	2	2	3	3	4	0
Mechanical efficiency [%]	83	78,4	76,2	66	46,4	0	0	0
Starting mechanical efficiency [%]	67,2	58	41	23,7	0	0	0	0
Continuous maximum power [kW]	73	56	38	27	15	0	0	0
Intermittent maximum power [kW]	96	80	56	39	20	0	0	0
Continuous maximum pressure [bar]	250	250	250	250	250	250	17	17
Intermittent maximum pressure [bar]	275	275	275	275	275	275	17	17
Peak pressure [bar]	350	350	350	350	350	350	17	17
Recommended flushing flow [l/min]	12	12	12	12	12	12	15	15

IAC 5400 H7

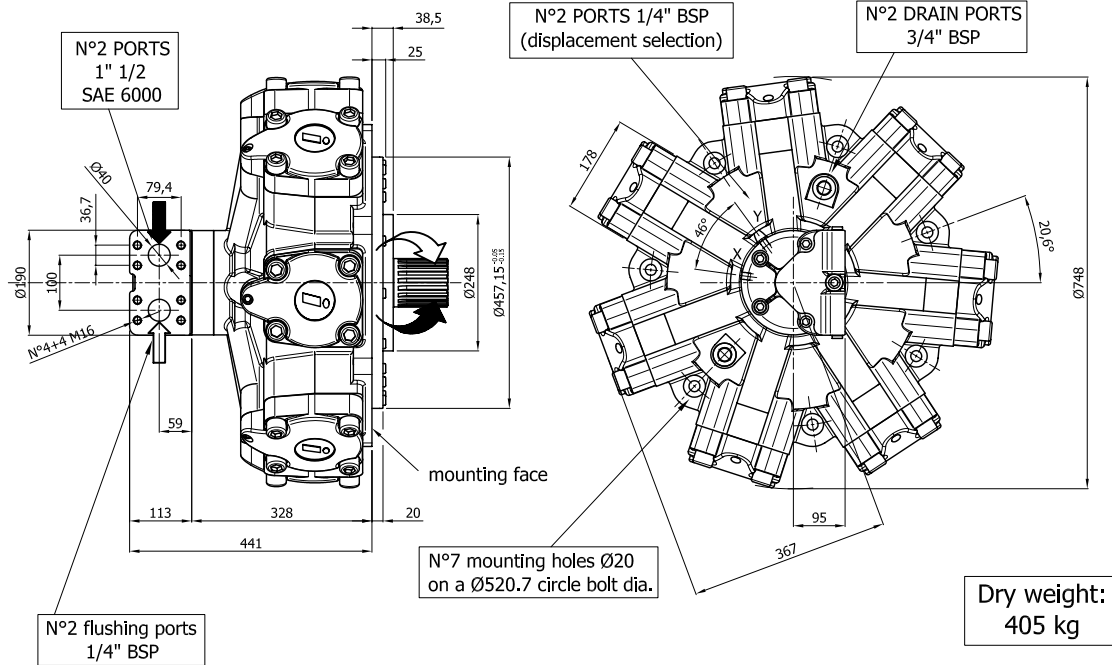
Displacement [cc/Rev]	5326	5080	4915	4588	4097	3650	3280	2950	2620	2295
Specific theoretical torque [Nm/bar]	84,8	80,9	78,2	73	65,2	58,1	52,2	47	41,7	36,5
Continuous maximum speed [rpm]	130	135	140	150	160	170	190	215	230	280
Minimum speed [rpm]	1	1	1	1	1	1	1	1	1	1
Mechanical efficiency [%]	95,2	95	95	95	95	94,4	94,3	93,2	92	91,5
Starting mechanical efficiency [%]	86	85,8	85,8	85,4	85,2	83	82,2	82	79,8	77,7
Continuous maximum power [kW]	190	190	190	190	178	162	152	140	130	120
Intermittent maximum power [kW]	216	216	216	216	200	182	170	160	145	135
Continuous maximum pressure [bar]	250	250	250	250	250	250	250	250	250	250
Intermittent maximum pressure [bar]	275	275	275	275	275	275	275	275	275	275
Peak pressure [bar]	350	350	350	350	350	350	350	350	350	350
Recommended flushing flow [l/min]	12	12	12	12	12	12	12	12	12	12

Displacement [cc/Rev]	1970	1640	1560	1311	980	655	492	328	164	0
Specific theoretical torque [Nm/bar]	31,4	26,1	24,8	20,9	15,6	10,4	7,8	5,2	2,6	0
Continuous maximum speed [rpm]	335	375	410	445	470	500	520	550	1000	1000
Minimum speed [rpm]	1	1	1	1	1	2	2	3	3	0
Mechanical efficiency [%]	90	86	84,5	82,3	78,3	76,2	66,2	46,5	0	0
Starting mechanical efficiency [%]	75,3	72,1	71,3	67	58	41	24	0	0	0
Continuous maximum power [kW]	105	90	85	75	58	40	26	15	0	0
Intermittent maximum power [kW]	120	110	102	98	82	56	40	20	0	0
Continuous maximum pressure [bar]	250	250	250	250	250	250	250	250	17	17
Intermittent maximum pressure [bar]	275	275	275	275	275	275	275	275	17	17
Peak pressure [bar]	350	350	350	350	350	350	350	350	17	17
Recommended flushing flow [l/min]	12	12	12	12	12	12	12	12	15	15

INTERCHANGEABLE WITH HMC270

SIZE

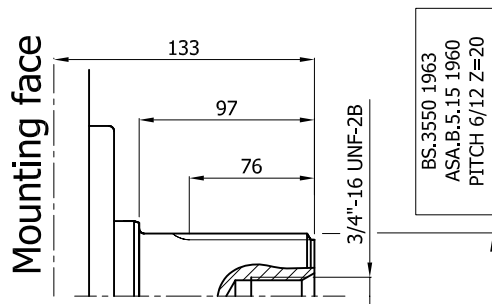
IAC 4600-5400 H7 D90



SHAFT

IAC 4600-5400 H7 D90

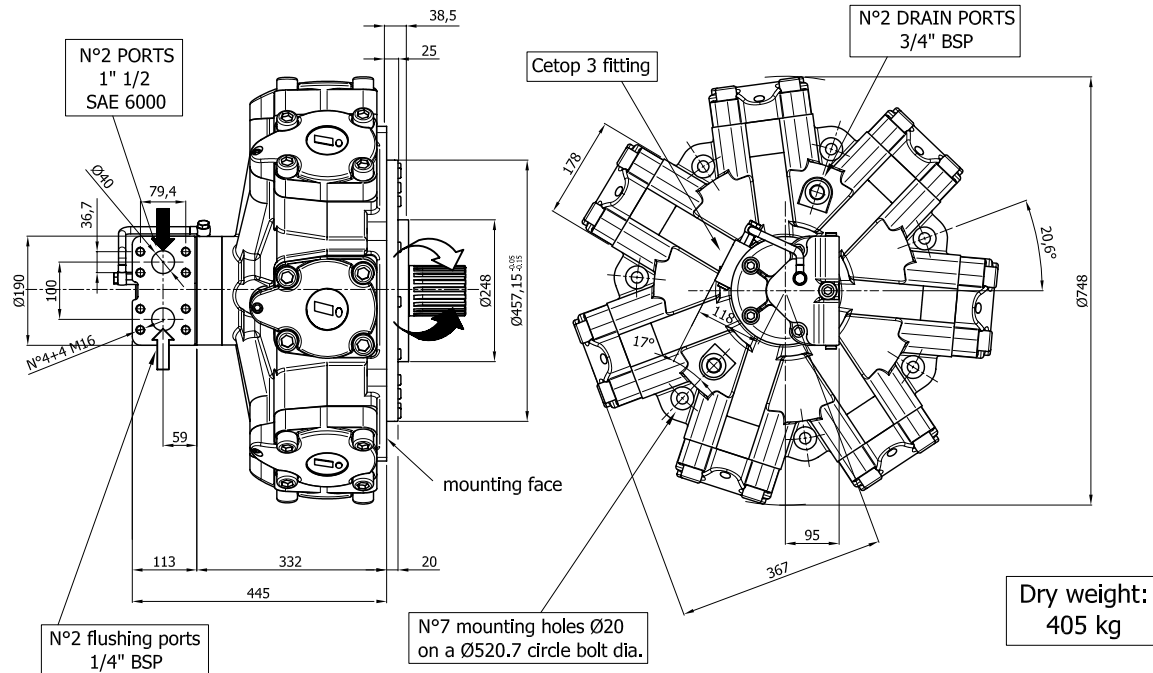
A1: Splined shaft



INTERCHANGEABLE WITH HMC270

SIZE

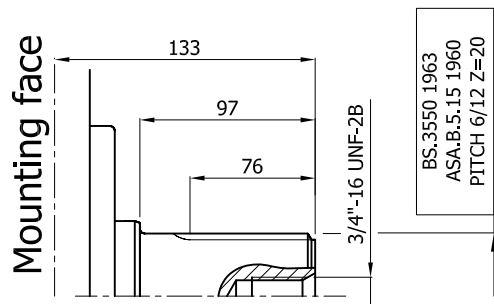
IAC 4600-5400 H7 D90 C3 SV



SHAFT

IAC 4600-5400 H7 D90 C3 SV

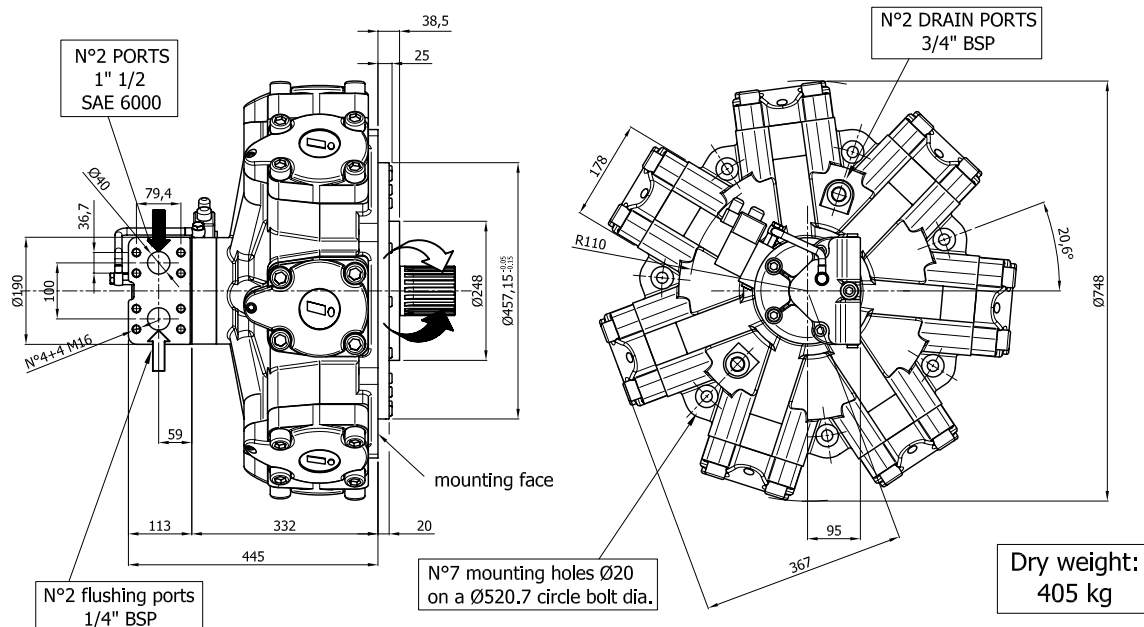
A1: Splined shaft



INTERCHANGEABLE WITH HMC270

SIZE

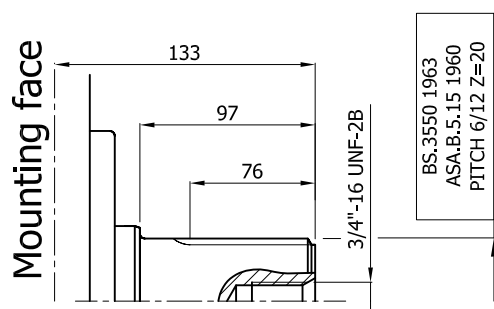
IAC 4600-5400 H7 D90 C3-24 SV



SHAFT

IAC 4600-5400 H7 D90 C3-24 SV

A1: Splined shaft



ORDERING INSTRUCTIONS

IAC H7

	IAC --	H1	A -	D --	---	---	SV	SB -	---	---	---	---
Motor model	IAC 4600 IAC 5400											
Housing	H7											
Shaft	A1 splined 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)	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)	FL7 (see conversion flanges section)											
Displacements	MAX-MIN (MAXIMUM AND MINIMUM DISPLACEMENT OF MOTOR)											

IAC 5400 H7	Max displacement range: 5326-3280 cc/Rev Min displacement range: 3280-0 cc/Rev
IAC 4600 H7	Max displacement range: 4600-2295 cc/Rev Min displacement range: 3280-0 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