
INTERMOT - ADVANCED - MOTORS

IAM SERIES

H2 MODEL



Standard Series:

***IAM 200-250-300-350
400-500-600 H2***

Special Series:

***IAM 190/C-300/C H2
200/B10 H2
200-250-300-350
400-500-600/BH H2***

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MODEL	IAM 200 H2	IAM 250 H2	IAM 300 H2	IAM 350 H2	IAM 400 H2	IAM 500 H2	IAM 600 H2
Displacement cc/rev	198	253	314	362	424	492	584
Specific Torque Nm/bar	3.2	4.0	5.0	5.8	6.7	7.8	9.3
Max cont. Pressure bar	230	230	230	230	210	190	170
Max int. Pressure bar	280	280	280	280	280	240	210
Peak pressure bar	350	350	350	350	350	300	250
Max continuous speed rpm	800	750	750	650	600	500	500
Peak speed rpm	900	850	850	750	700	600	600
Max power	HP	66	66	66	66	66	66
	kW	49	49	49	49	49	49

- N° of pistons: 5
- Max case pressure: 6 bar
- Max back pressure: 70 bar
- Dry weight: 42 kg
- Temperature range: -30°C ÷ +70°C
- Minimum speed: 2 rpm
- Flushing flow^(*):

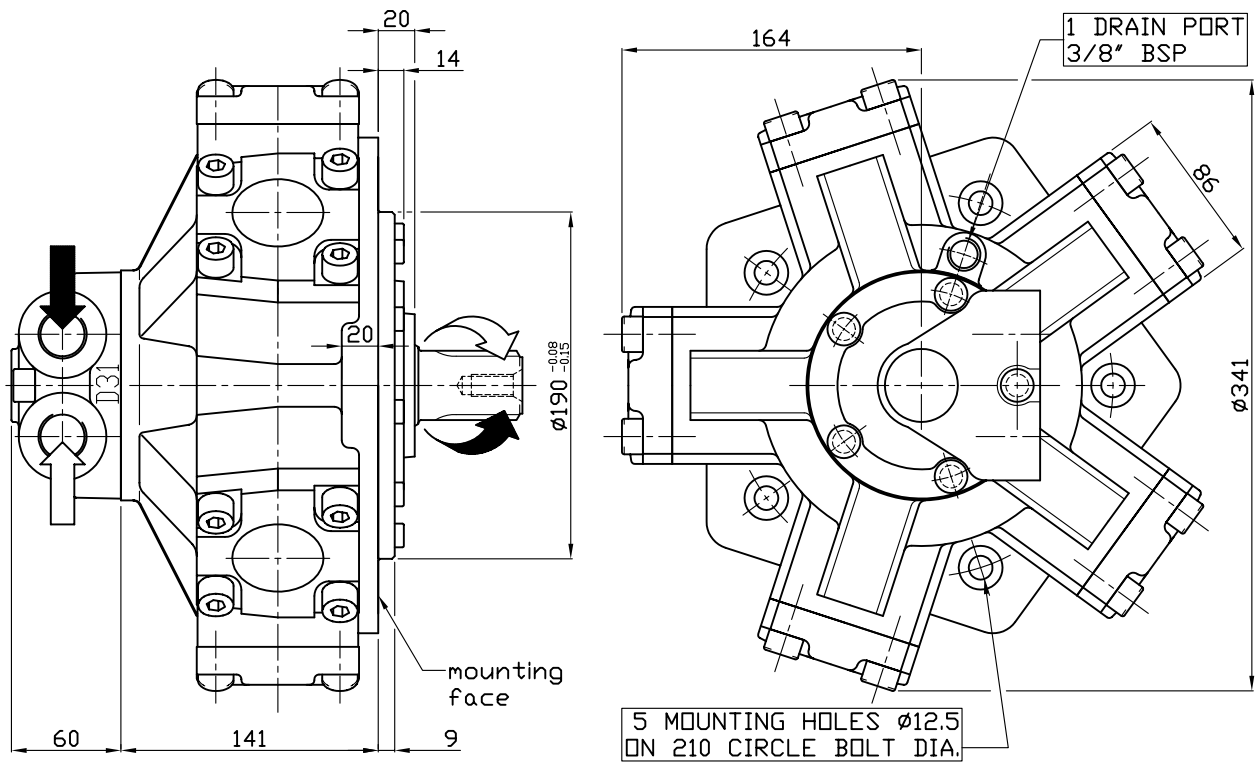
IAM H2 200 – 250 – 300	6 l/min
IAM H2 350 – 400 – 500	8 l/min
IAM H2 600	10 l/min

(*) for further details about flushing, read pag. 9

SIZE

IAM H2 200-250-300-350

STANDARD SERIES

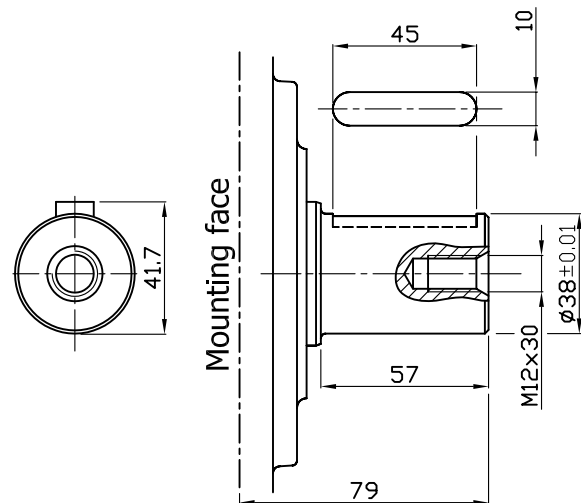
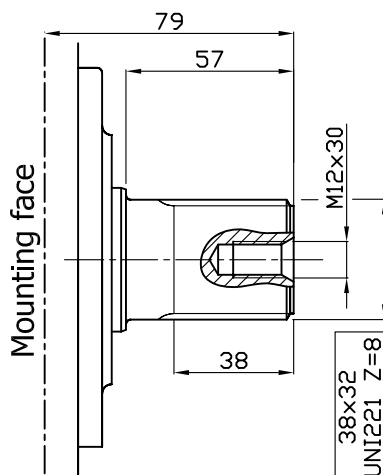


SHAFT

IAM H2 200-250-300-350

A0: Standard Splined Shaft

A2: Parallel shaft on request

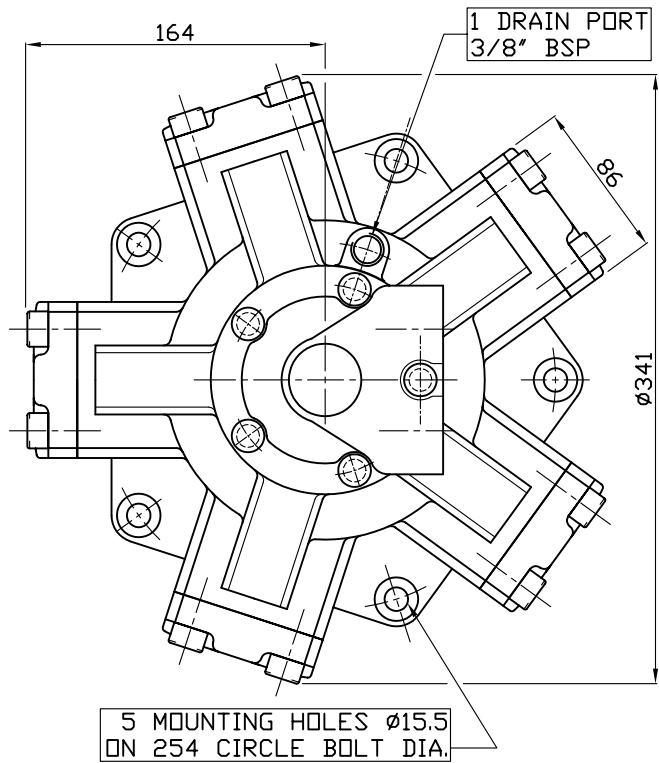
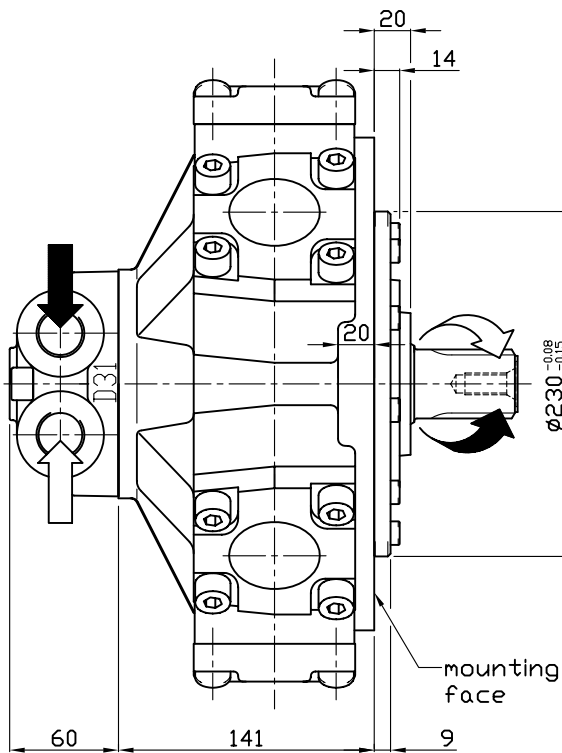


ONLY FOR IAM 300 H2: FEMALE SHAFT AVAILABLE UPON REQUEST 40x3x12x9H DIN 5480

SIZE

IAM H2 400-500-600

STANDARD SERIES

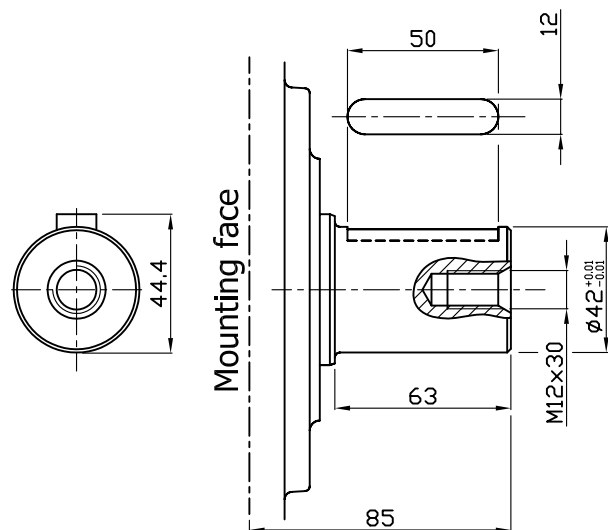
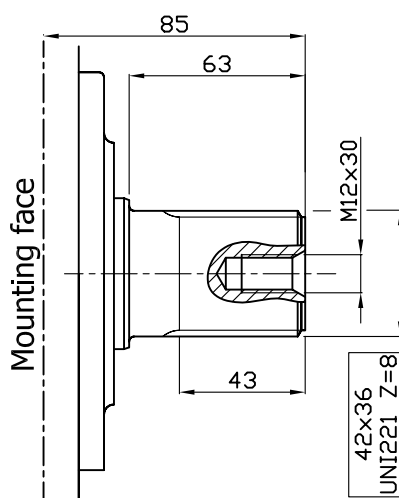


SHAFT

IAM H2 400-500-600

A0: Standard Splined Shaft

A2: Parallel shaft on request

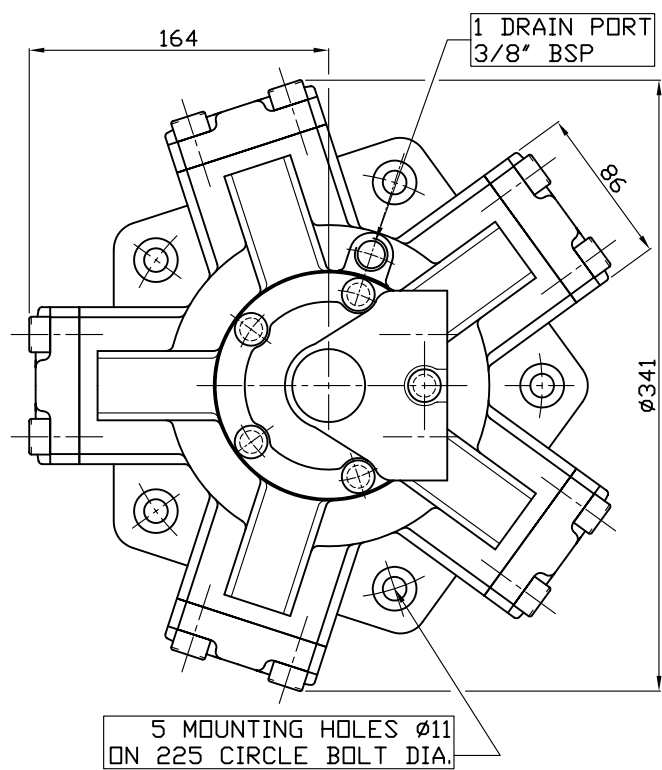
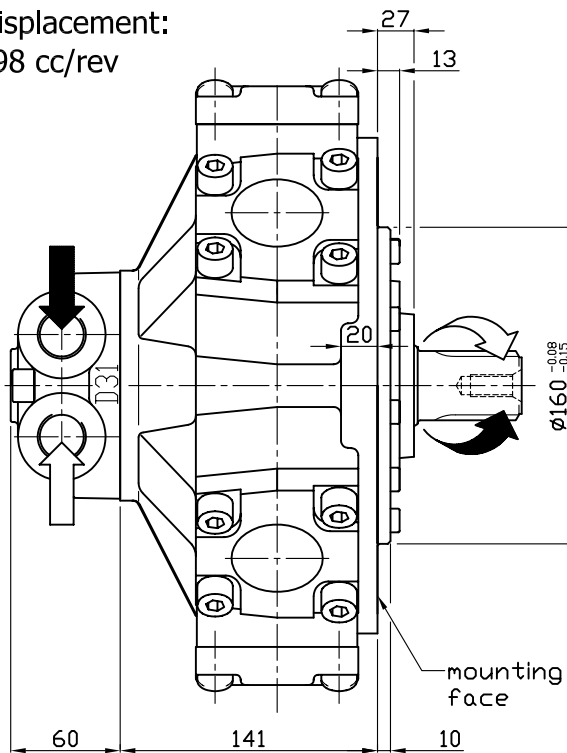


SIZE

IAM H2 190/C

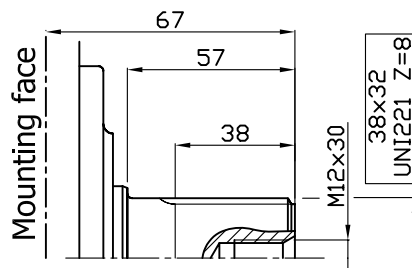
SPECIAL SERIES

Displacement:
198 cc/rev

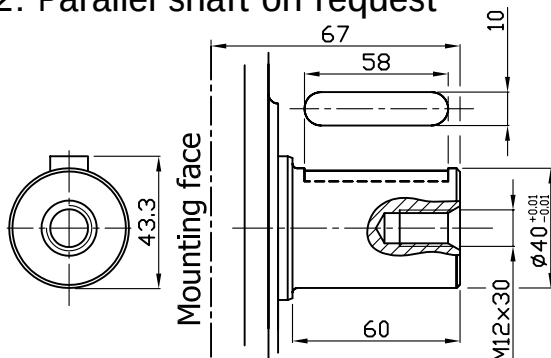


SHAFT

A0: Standard Splined Shaft

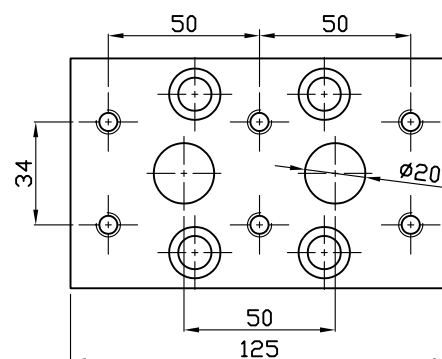
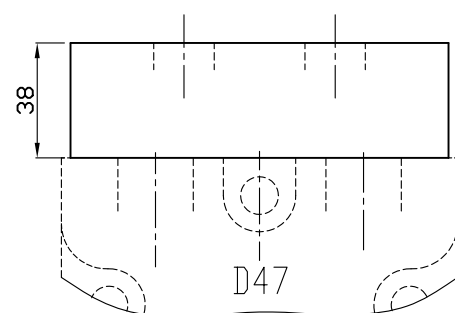


A2: Parallel shaft on request



OPTION

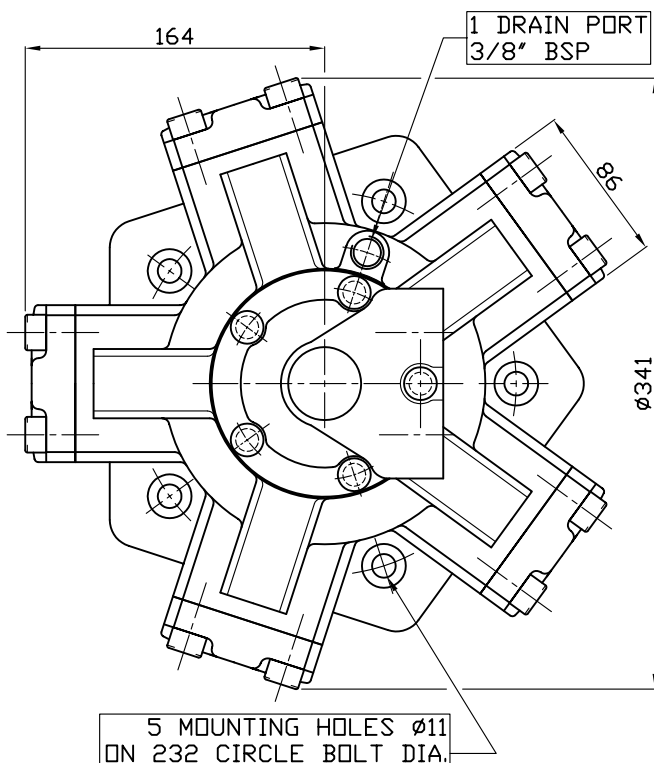
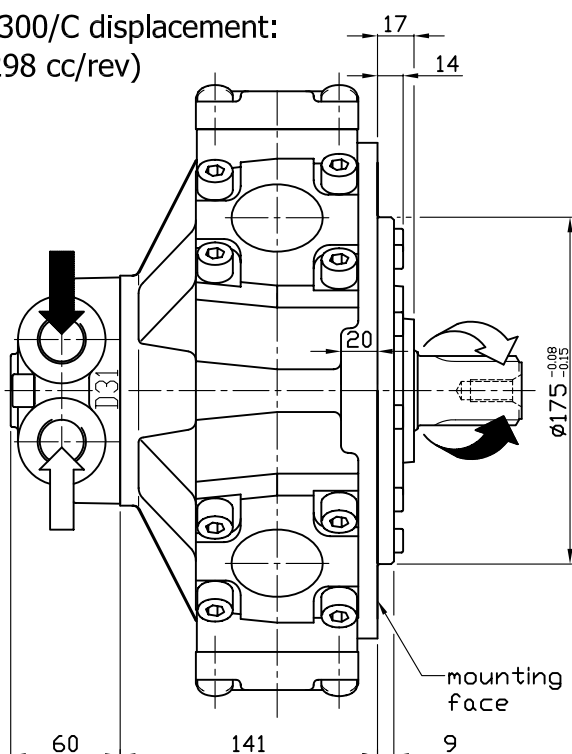
Connection block, fitting D47 distributor, for motor MR 160/190/250/300



IAM H2 250/C-300/C

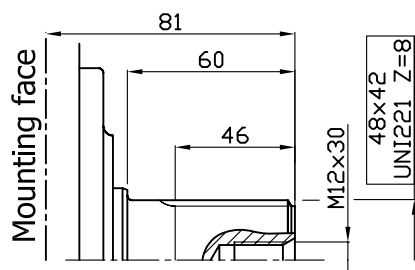
SPECIAL SERIES

(300/C displacement:
298 cc/rev)



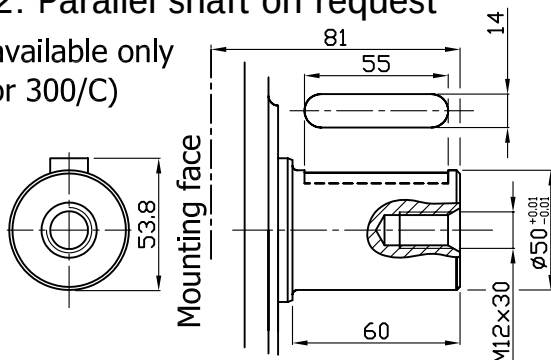
SHAFT

A0: Standard Splined Shaft



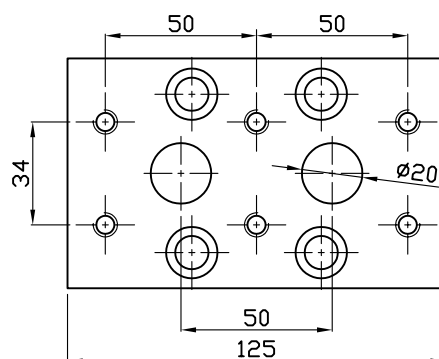
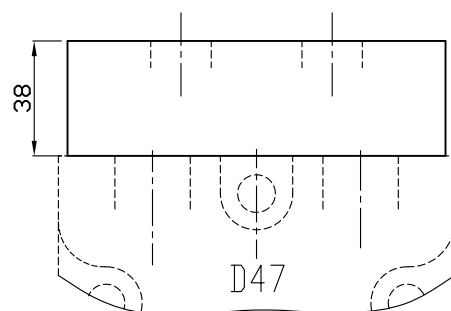
A2: Parallel shaft on request

(available only
for 300/C)



OPTION

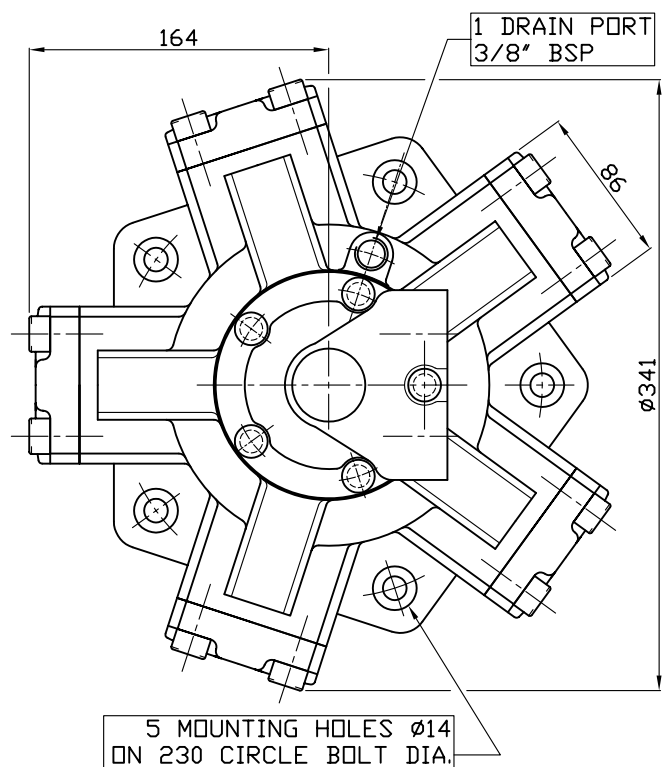
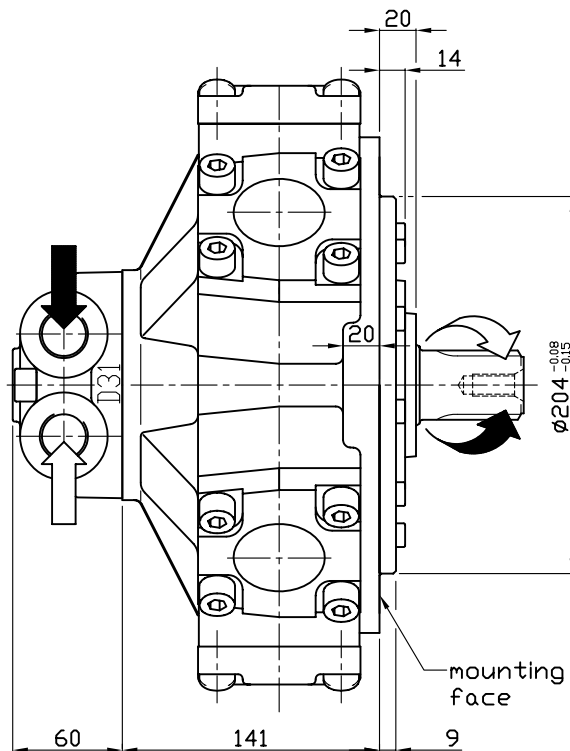
Connection block, fitting D47 distributor, for
motor MR 160/190/250/300



SIZE

IAM H2 200/B10

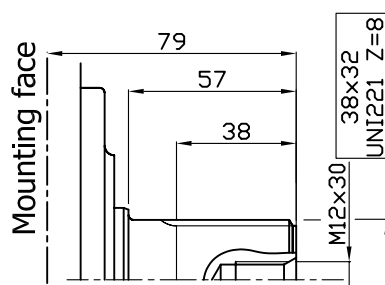
SPECIAL SERIES



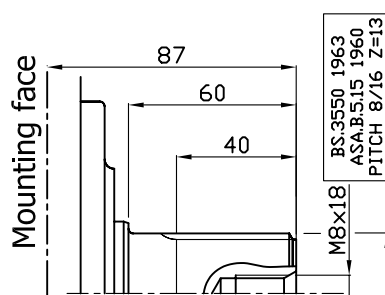
SHAFT

IAM H2 200/B10

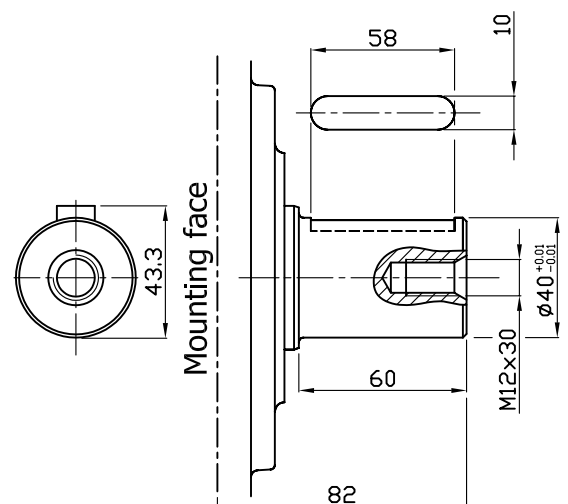
A0: Standard Splined Shaft



A1: Splined Shaft

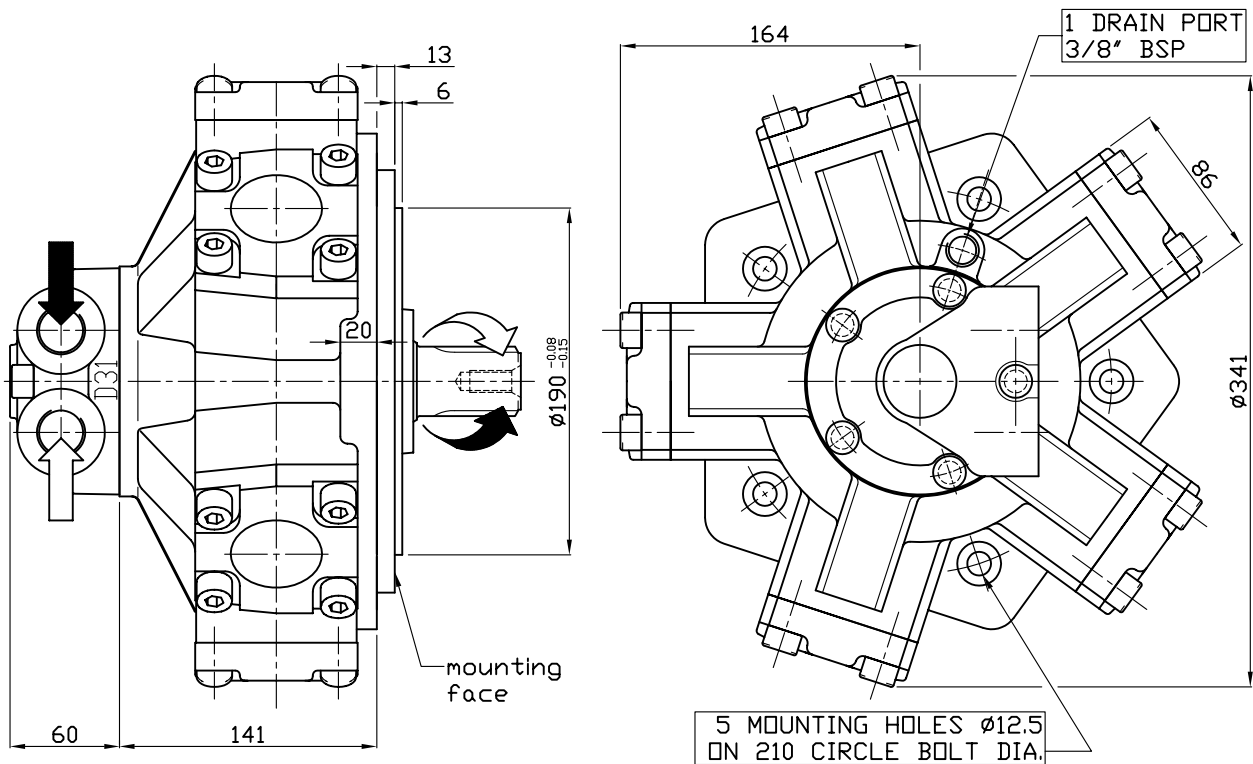


A2: Parallel shaft on request



SIZE

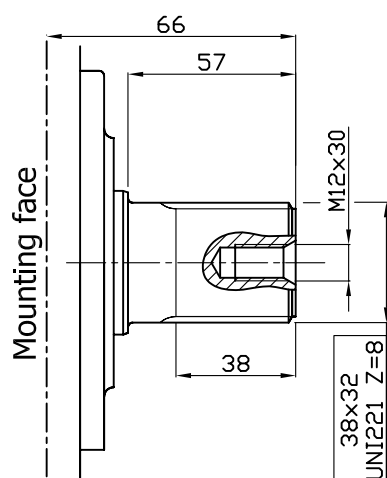
IAM H2 200/BH-250/BH-300/BH-350/BH-400/BH-500/BH-600/BH SPECIAL SERIES



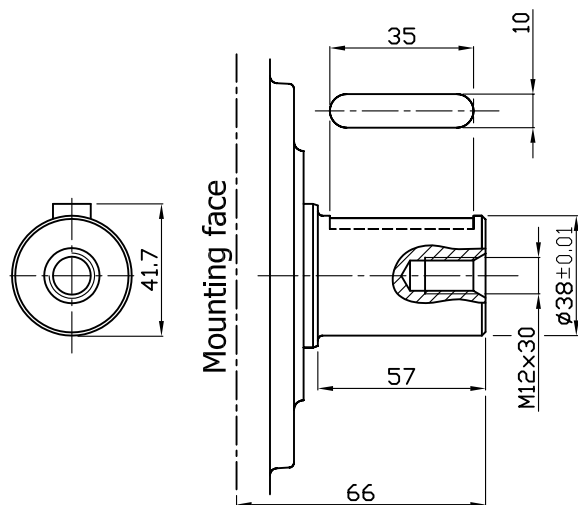
SHAFT

IAM H2 200/BH-250/BH-300/BH-350/BH-400/BH-500/BH-600/BH

A0: Standard Splined Shaft



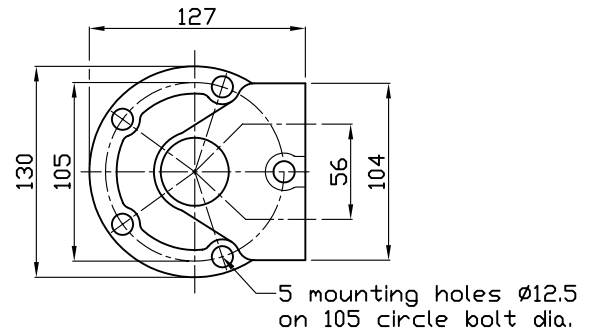
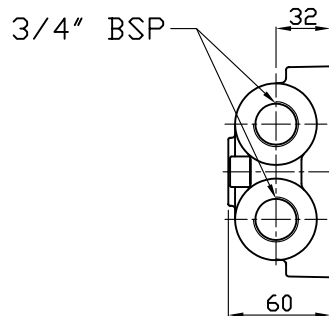
A2: Parallel shaft on request



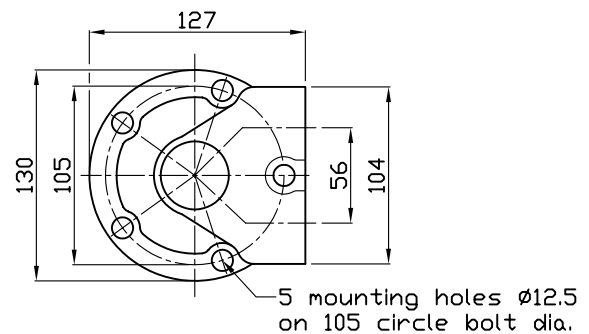
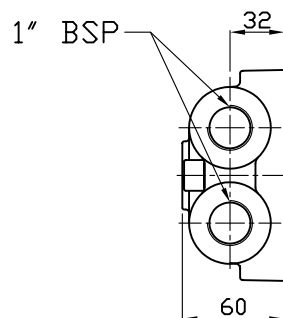
DISTRIBUTOR

BSP CONFIGURATION

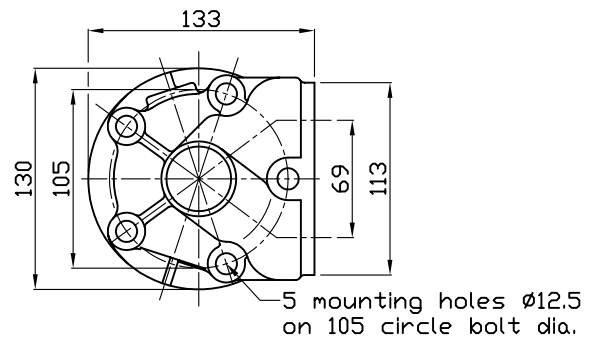
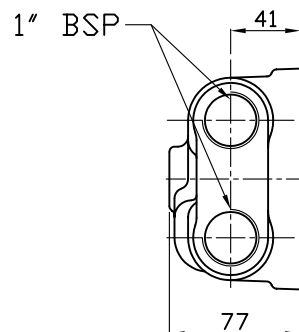
D31



D310

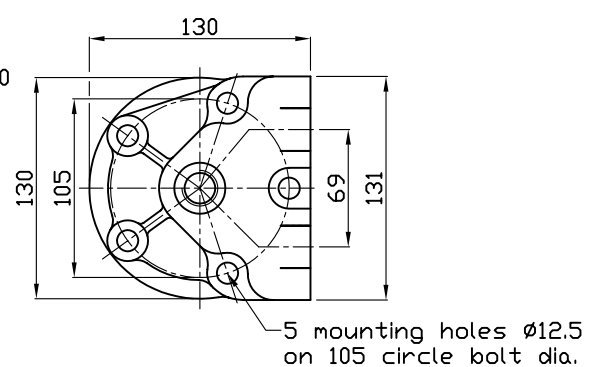
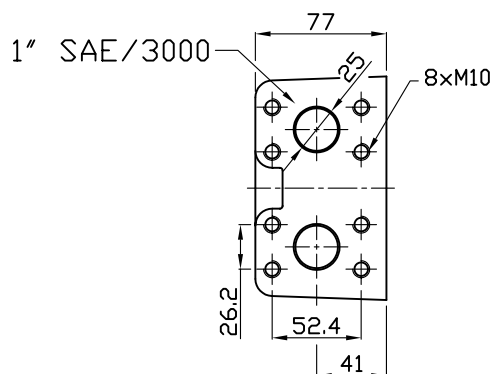


D40



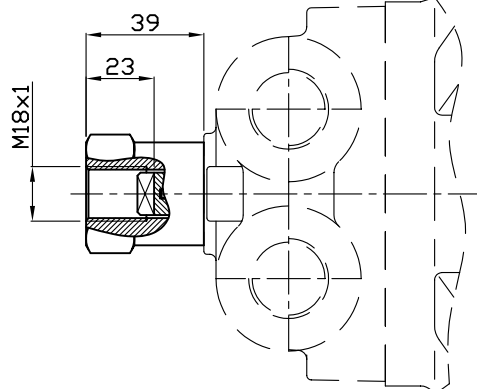
SAE CONFIGURATION

D47

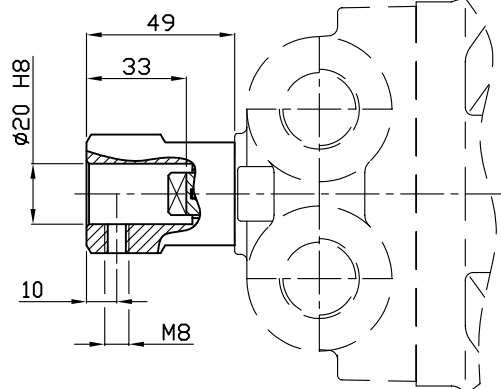


TACHOMETER

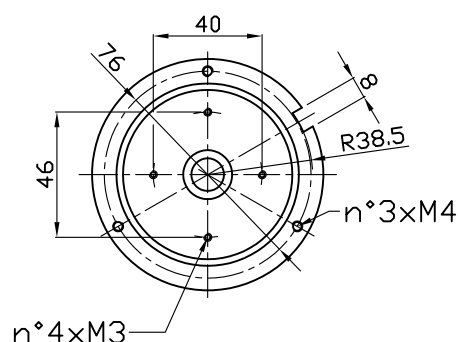
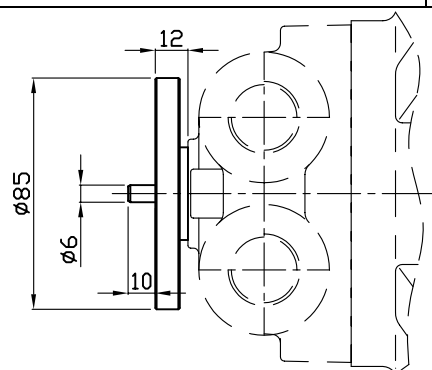
TA



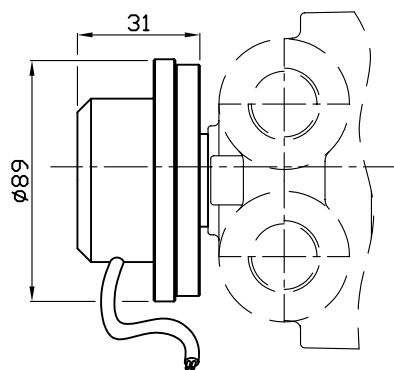
TB



EST

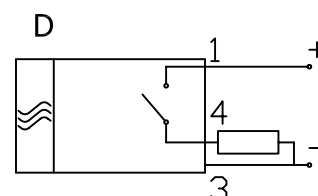


EST.30



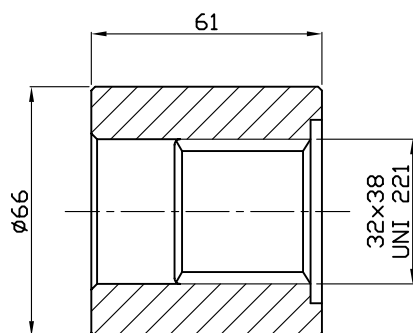
Operating parameters	E-....../3
Power supply (VDC)	10-30
Switching current (mA)	150
Frequency (Hz) 100rpm	50
Impulse/rpm	30
Operating temp. (°C)	-24/+70
Protection degree	IP67
Output	NPN
Motor type	All types
MODEL	Ø5
Torque	1 Nm

Model	Output	Fig.
E-..../.AP/....	PNP	D



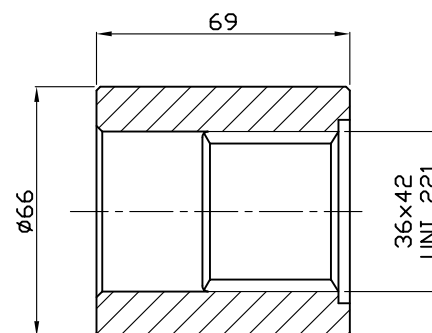
SPLINE BILLET

SB2



only for:
IAM 200,250,300,350 H2

SB3



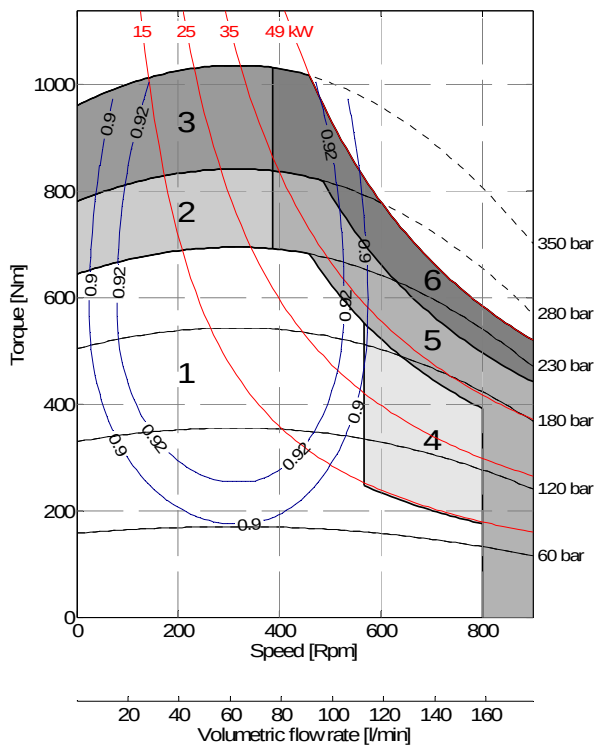
only for:
IAM 400,500,600 H2

ORDERING INSTRUCTIONS *H2*

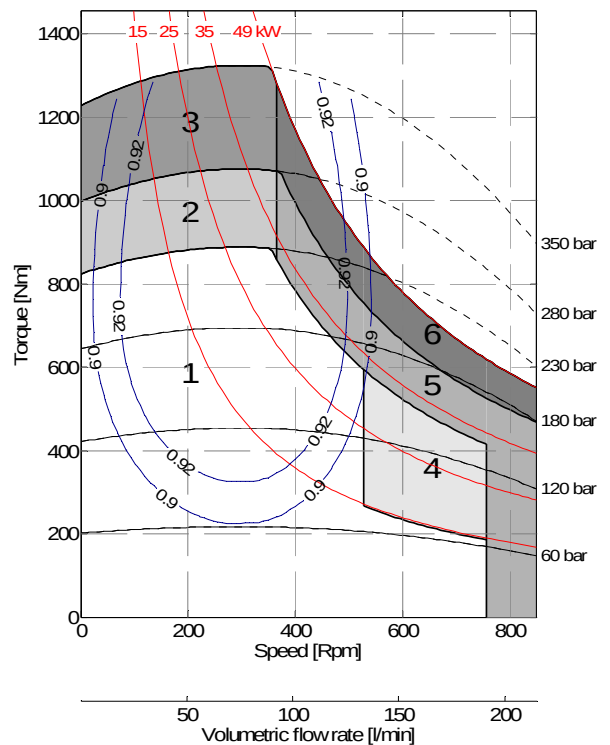
	IAM	- - -	H2	A -	D - -	- - -	SB -
Motor model	↑						
IAM							
Displacement		↑					
Housing			↑				
Shaft				↑			
	A0	standard splined shaft					
	A2	parallel keyed shaft					
	A3	special female shaft					
	A..	other shaft					
Distributor					↑		
	D31	(3/4" BSP)					
	D310	(1" BSP)	BSP THREAD				
	D40	(1" BSP)	CONFIGURATIONS				
	D47	SAE CONFIGURATIONS					
Tachometer						↑	
	TA						
	TB						
	EST						
	EST.30						
	J	TACHOMETER PREDISPOSITION					
Spline billet							↑
	SB2	32x38 UNI 221					
	SB3	36x42 UNI 221					

EXAMPLE: IAM.200.H2.A1.D40
IAM.500.H2.A0.D31.TA.SB3
IAM.190/C.H2.A0.D31.J

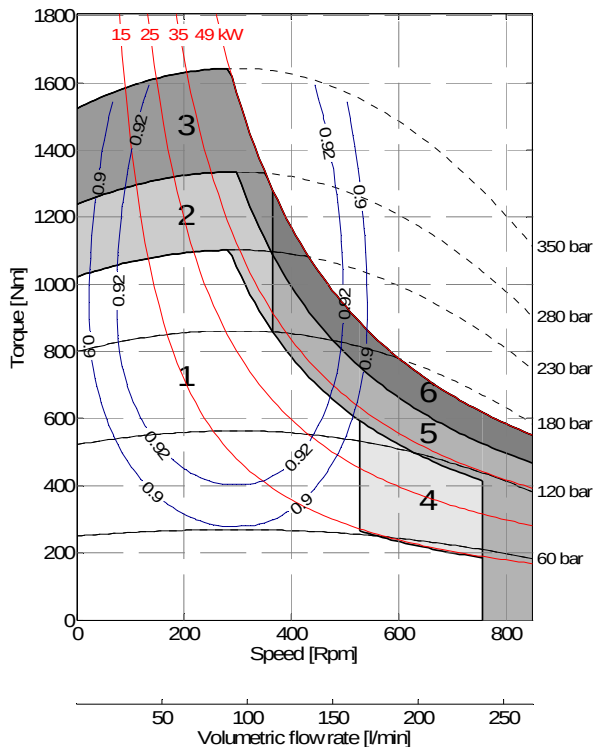
IAM 200 H2



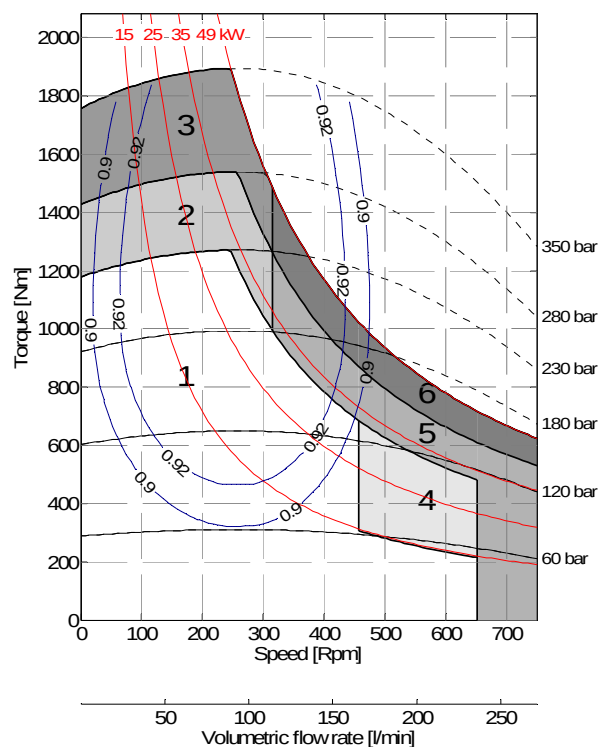
IAM 250 H2



IAM 300 H2



IAM 350 H2



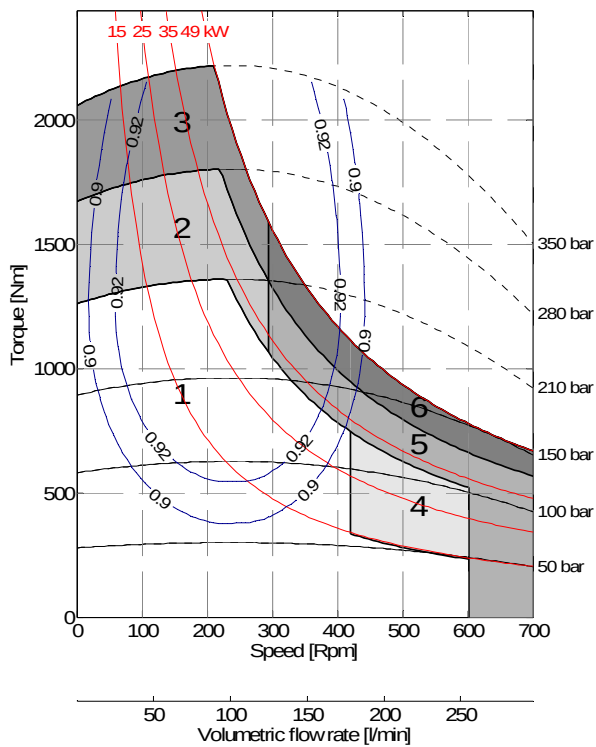
1	Continuous operation
2	Intermittent operation for period 3-5 minute every 10-15 minute
3	Intermittent operation for very short period (3-5 seconds every 10-15 minutes)

4	Continuous operation with flushing
5	Intermittent operation for period 3-5 minute every 10-15 minute with flushing
6	Intermittent operation for very short period (3-5 seconds every 10-15 minutes) with flushing

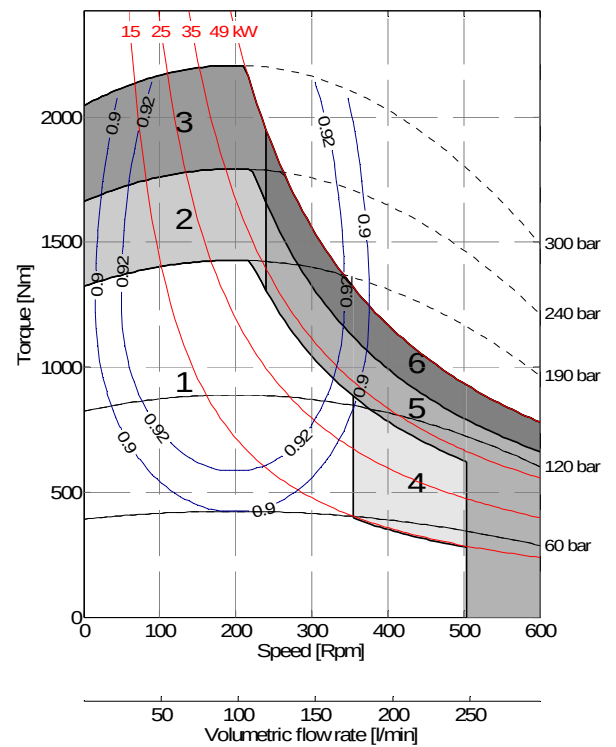
The specified data are for product description purpose only and must not be interpreted as warranted characteristic in legal sense
For more details please contact our Technical Department.

PERFORMANCES

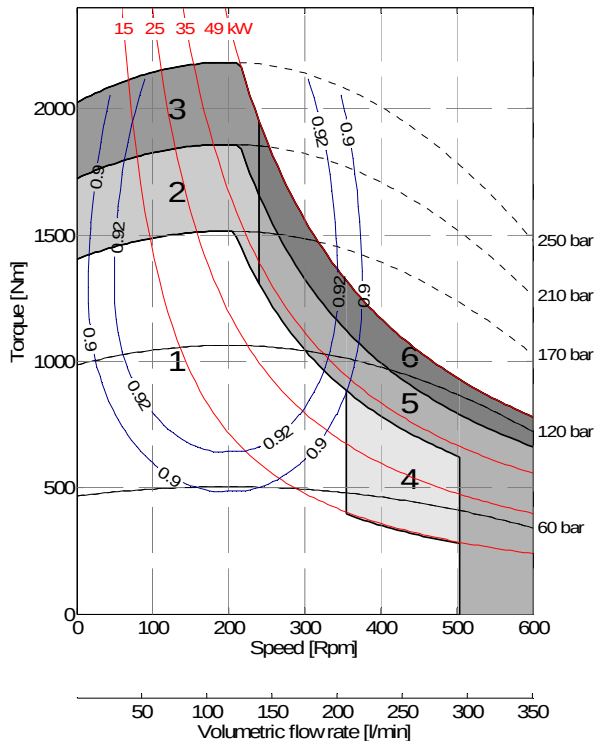
IAM 400 H2



IAM 500 H2



IAM 600 H2



1	Continuous operation
2	Intermittent operation for period 3-5 minute every 10-15 minute
3	Intermittent operation for very short period (3-5 seconds every 10-15 minutes)

4	Continuous operation with flushing
5	Intermittent operation for period 3-5 minute every 10-15 minute with flushing
6	Intermittent operation for very short period (3-5 seconds every 10-15 minutes) with flushing

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