
INTERMOT - ADVANCED - MOTORS

IAM SERIES

H1 MODEL



Standard Series:

***IAM 80-100-150-175
195-200-250-300 H1***

Special Series:

***IAM 100-150-175-195
200-250/BH H1***

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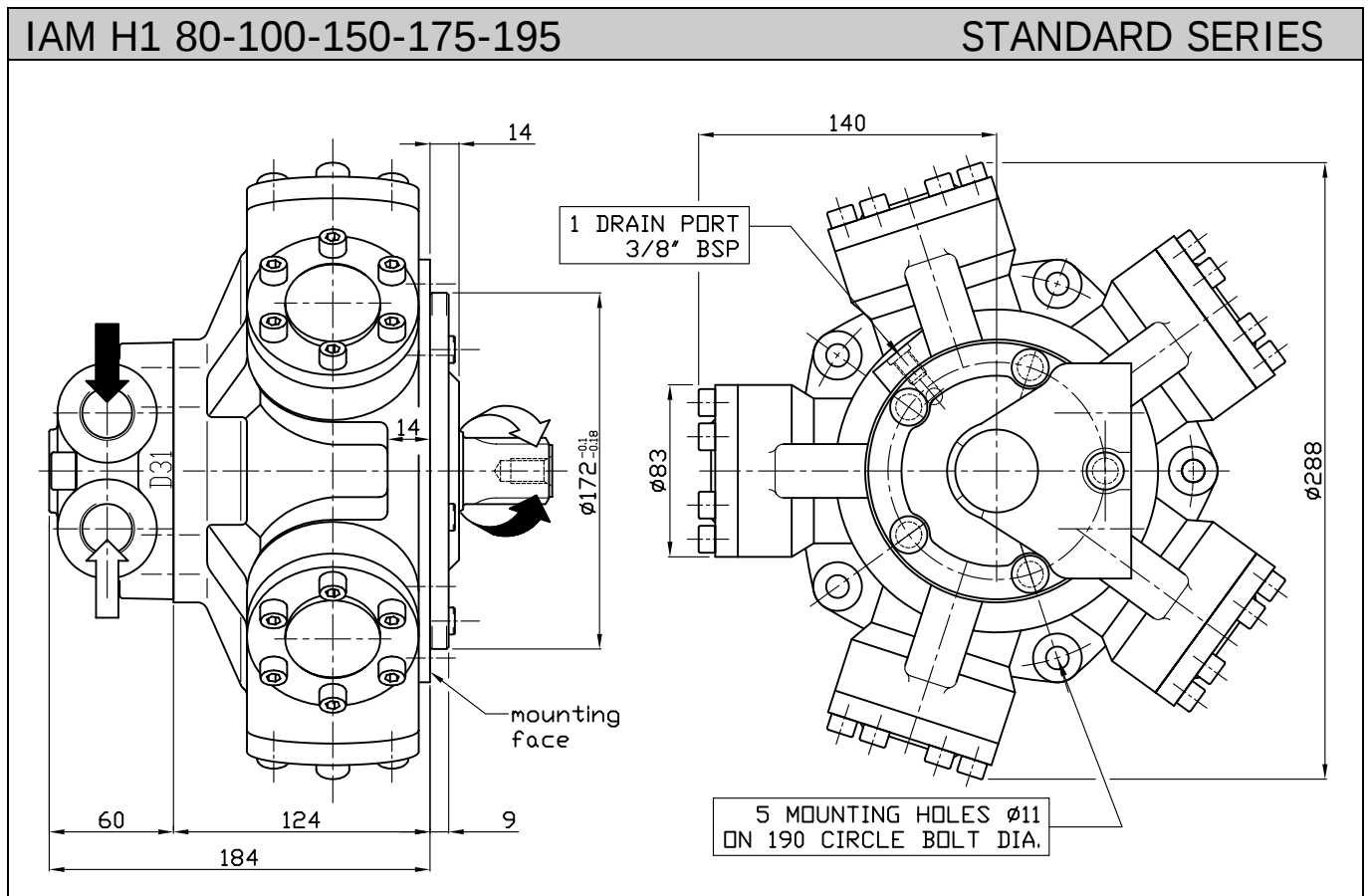
MODEL		IAM 80 H1	IAM 100 H1	IAM 150 H1	IAM 175 H1	IAM 195 H1	IAM 200 H1	IAM 250 H1	IAM 300 H1
Displacement	cc/rev	80	100	157	176	195	207	257	307
Specific Torque	Nm/bar	1.3	1.6	2.5	2.8	3.1	3.3	4.1	4.9
Max cont. Pressure	bar	230	230	230	230	230	230	230	230
Max int. Pressure	bar	280	280	280	280	280	280	280	280
Peak pressure	bar	350	350	350	350	350	350	350	350
Max continuous speed	rpm	950	950	950	800	800	750	750	750
Peak speed	rpm	1050	1050	1050	900	900	850	850	850
Max power	HP	54	54	54	54	54	54	54	54
	kW	40	40	40	40	40	40	40	40

- N° of pistons: 5
- Max case pressure: 6 bar
- Max back pressure: 70 bar
- Dry weight: 26 kg
- Temperature range: -30°C ÷ +70°C
- Minimum speed: 2÷3 rpm
- Flushing flow^(*):

IAM H1 80 – 100 – 150	5 l/min
IAM H1 175 – 195 – 200 – 250 – 300	6 l/min

(*) for further details regarding flushing go to page 9 of this catalogue.

SIZE



SHAFT

IAM H1 80-100-150-175-195		
A0: Standard Splined Shaft	A1: Splined Shaft on request	A2: Parallel shaft on request
Mounting face 59 43 25 M12x25 32x26 UNI221 Z=6 10 4	Mounting face 75 43 25 M12x25 32x26 UNI221 Z=6 10 4	Mounting face 59 43 25 M12x25 32x26 UNI221 Z=6 10 4

SIZE

IAM H1 200-250-300

STANDARD SERIES

Technical drawing of the IAM H1 200-250-300 Standard Series pump assembly, showing front and top views with dimensions and callouts.

Front View Dimensions:

- Overall width: 176
- Distance from left face to centerline: 60
- Distance from centerline to mounting face: 116
- Mounting face thickness: 6
- Distance from mounting face to top/bottom flange: 14
- Flange thickness: 13
- Flange outer diameter: $\phi 190^{+0.1}_{-0.18}$
- Flange inner diameter: D31

Top View Dimensions:

- Overall diameter: $\phi 288$
- Distance from centerline to mounting face: 141
- Mounting face diameter: $\phi 83$

Callouts:

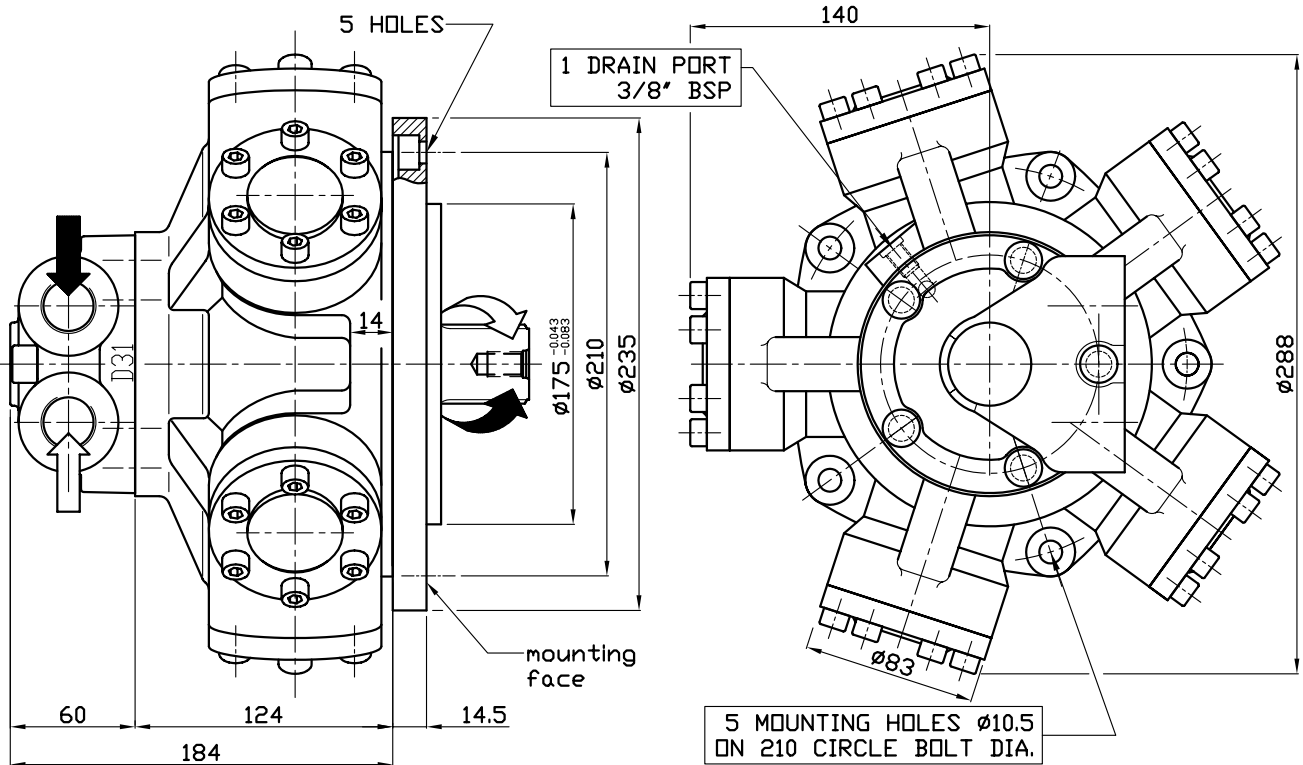
- 1 DRAIN PORT 3/8" BSP
- 5 MOUNTING HOLES $\phi 12.5$ ON $\phi 210$ CIRCLE BOLT DIA.
- mounting face

SHAFT

IAM H1 200-250-300	
A0: Standard Splined Shaft	A2: Parallel shaft on request
Technical drawing of the A0 Standard Splined Shaft. The drawing shows a side view of the shaft with a splined end. The dimensions are: total length 75, distance from mounting face to end 59, shaft diameter 38, and mounting face diameter 41.7. A detail box indicates '38x32 UNI221 Z=8'. The shaft is shown with a splined end and an M12x30 thread.	Technical drawing of the A2 Parallel shaft on request. The drawing shows a side view of the shaft with a parallel end. The dimensions are: total length 75, distance from mounting face to end 59, shaft diameter 38, and mounting face diameter 41.7. The shaft is shown with a parallel end and an M12x30 thread.

SIZE

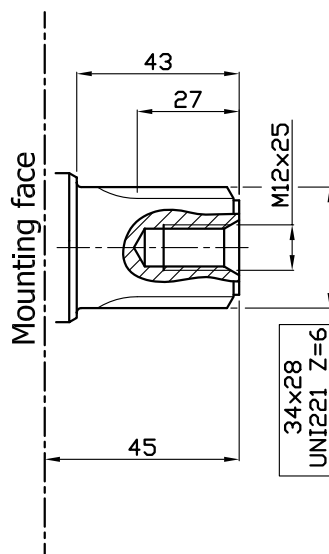
IAM H1 100/BH – 150/BH – 175/BH – 195/BH – 200/BH – 250/BH SPECIAL SERIES



SHAFT

IAM H1 100/BH – 150/BH – 175/BH – 195/BH – 200/BH – 250/BH

A0: Standard Splined Shaft

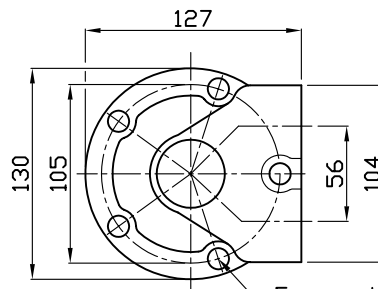
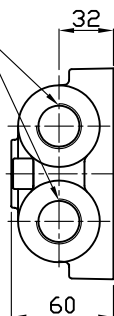


DISTRIBUTOR

BSP CONFIGURATION

D31

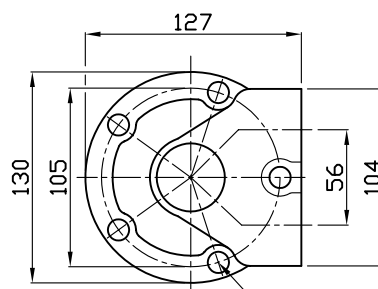
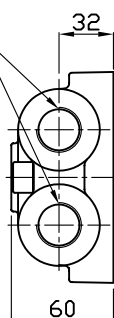
3/4" BSP



5 mounting holes $\varnothing 12.5$
on 105 circle bolt dia.

D310

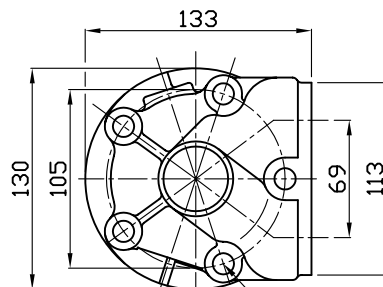
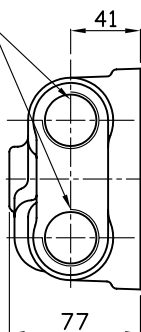
1" BSP



5 mounting holes $\varnothing 12.5$
on 105 circle bolt dia.

D40

1" BSP

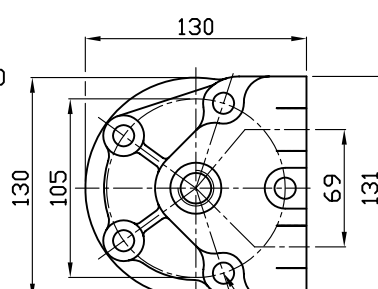
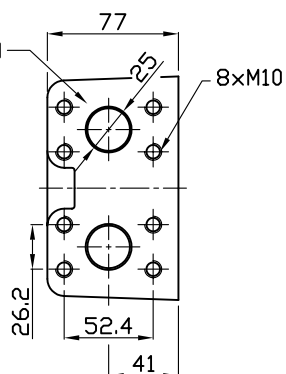


5 mounting holes $\varnothing 12.5$
on 105 circle bolt dia.

SAE CONFIGURATION

D47

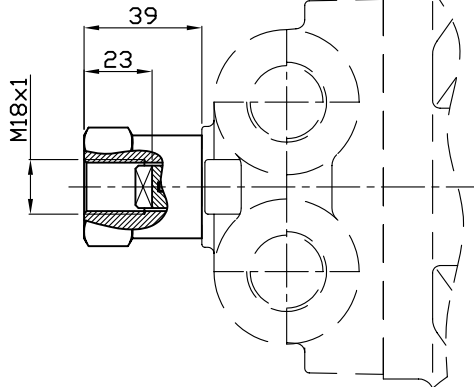
1" SAE/3000



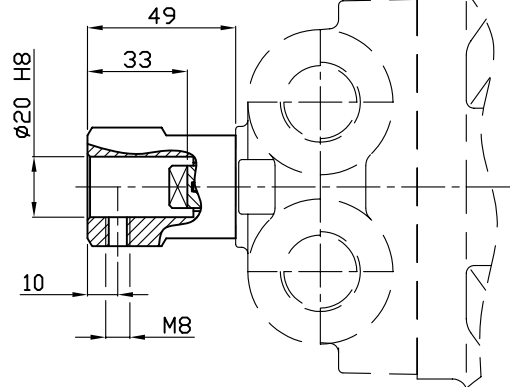
5 mounting holes $\varnothing 12.5$
on 105 circle bolt dia.

TACHOMETER

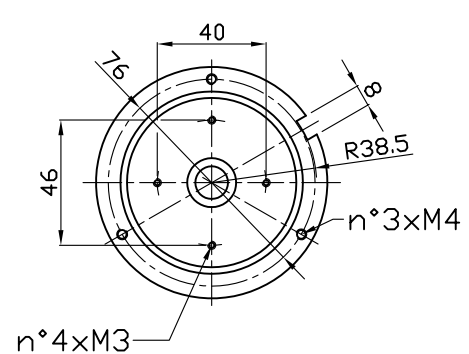
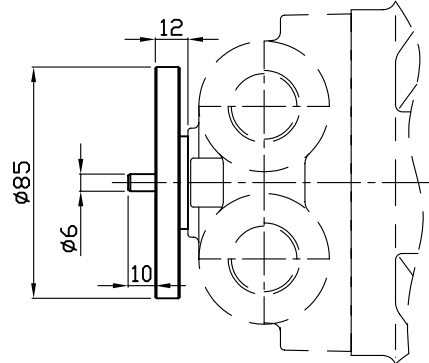
TA



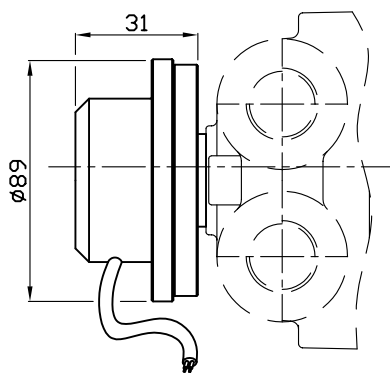
TB



EST



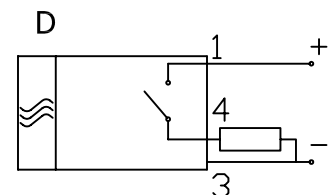
EST.30



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

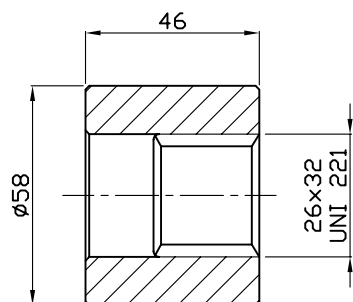
MODEL	Ø5
Torque	1 Nm

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



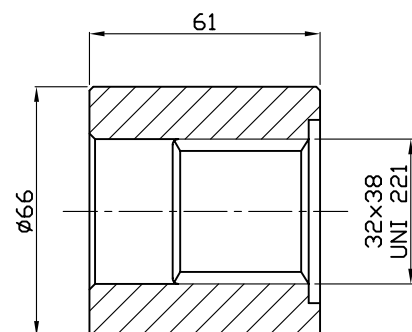
SPLINE BILLET

SB1



only for:
IAM 80, 100, 150, 175, 195 H1

SB2



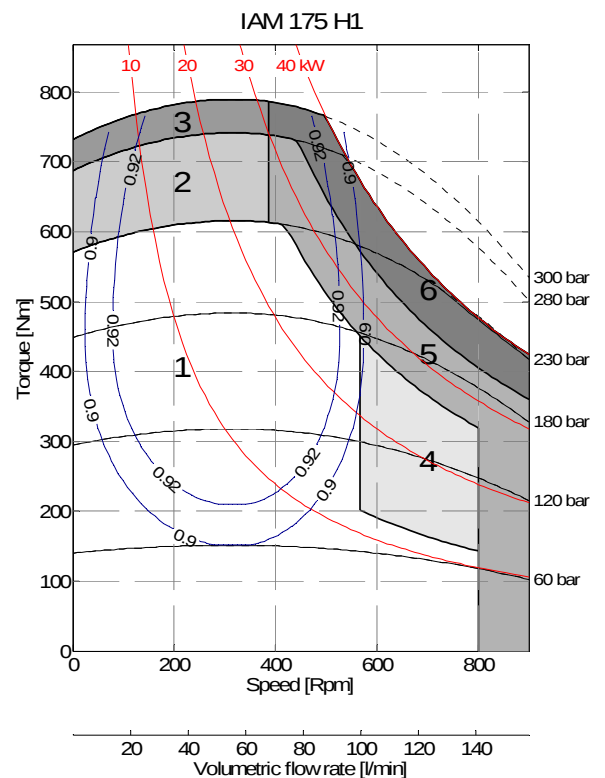
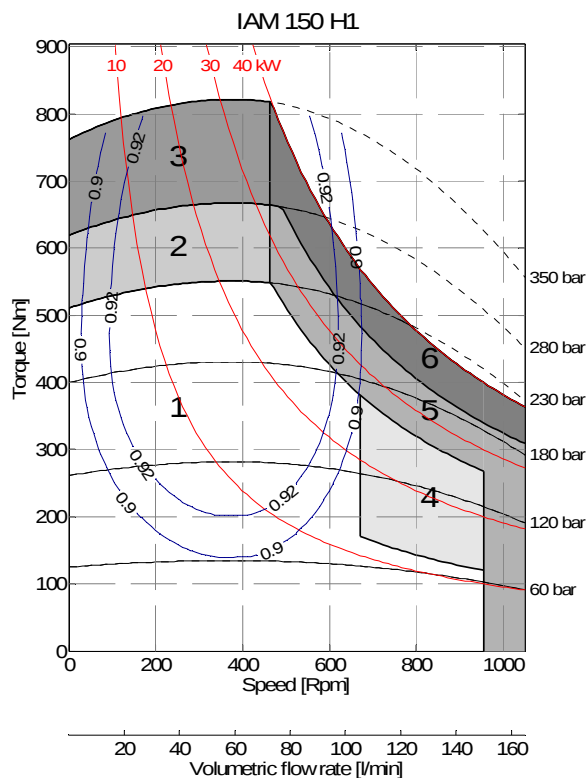
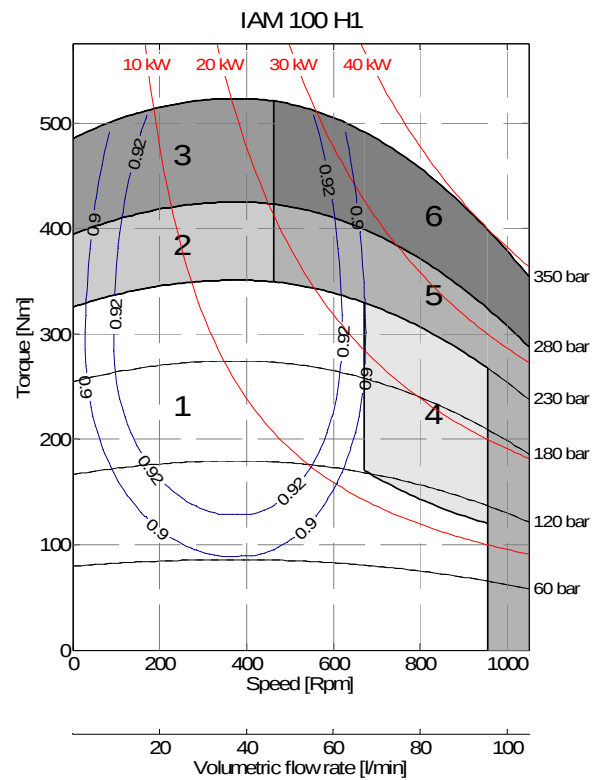
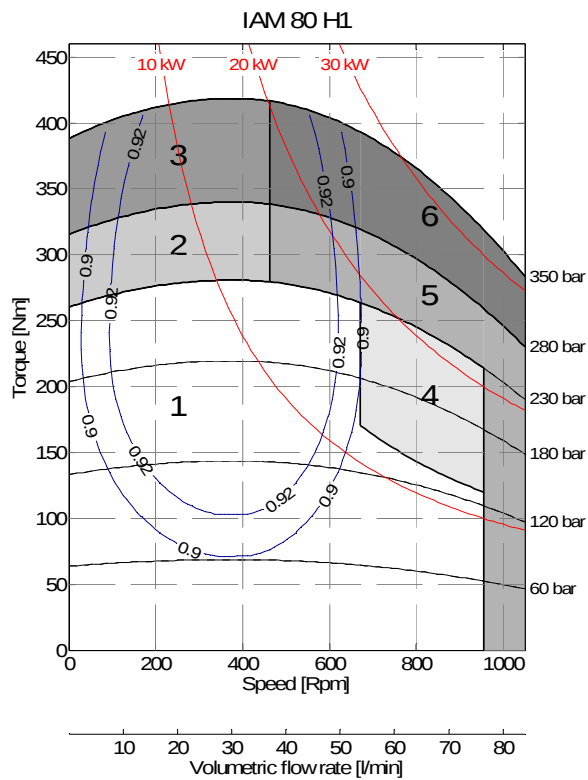
only for:
IAM 200, 250, 300, 350 H1

ORDERING INSTRUCTIONS *H1*

	IAM	- - -	H1	A -	D - -	- - -	SB -
Motor model	↑						
IAM							
Displacement		↑					
Housing			↑				
Shaft				↑			
	A0	standard splined shaft					
	A1	special splined shaft					
	A2	parallel keyed shaft					
	A3	special female shaft					
	A..	other shaft					
Distributor					↑		
	D31	(3/4" BSP)					
	D310	(1" BSP)					
	D40	(1" BSP)					
	D47	SAE CONFIGURATIONS					
Tachometer						↑	
	TA						
	TB						
	EST						
	EST.30						
	J	TACHOMETER PREDISPOSITION					
Spline billet							↑
	SB1	26x32 UNI 221					
	SB2	32x38 UNI 221					

EXAMPLE: IAM.100.H1.A1.D40
IAM.250.H1.A0.D31.TA.SB2
IAM.150/GM1.H1.A0.D31.J

PERFORMANCES

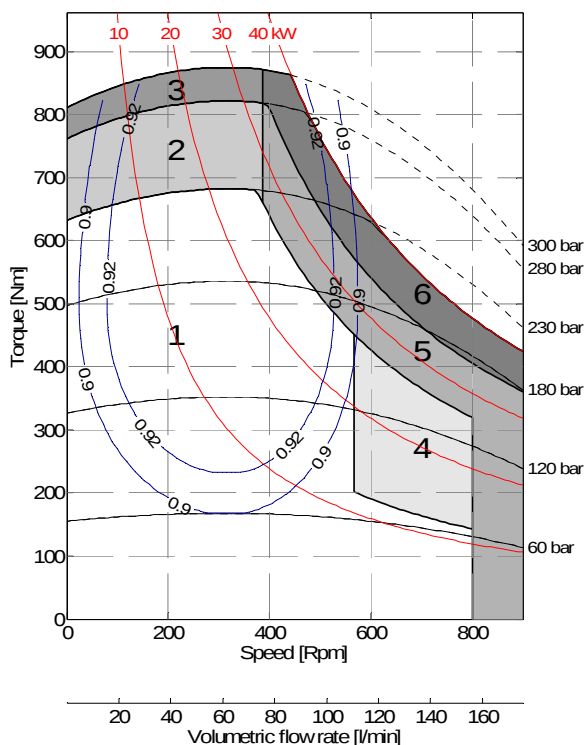


1	Continuous operation
2	Intermittent operation for period 3-5 minute every 10-15 minute
3	Intermittent operation for very short period (3-5 seconds every 10-15 minutes)

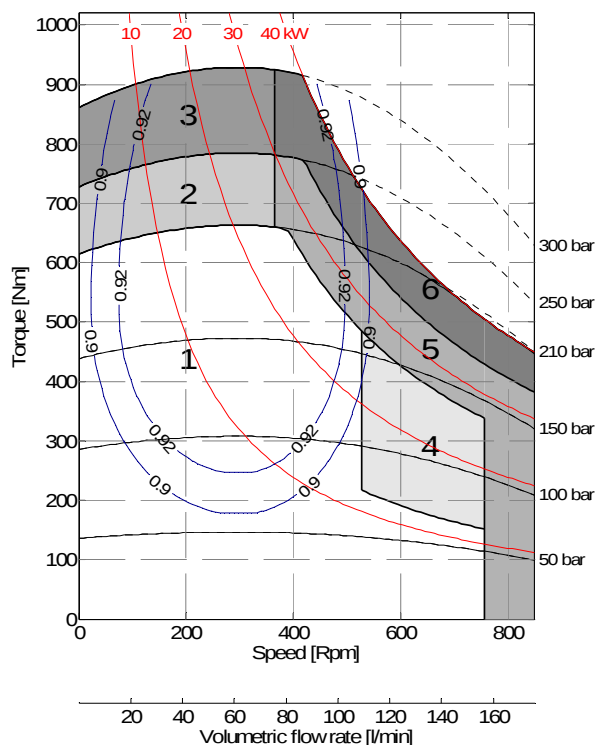
4	Continuous operation with flushing
5	Intermittent operation for period 3-5 minute every 10-15 minute with flushing
6	Intermittent operation for very short period (3-5 seconds every 10-15 minutes) with flushing

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.

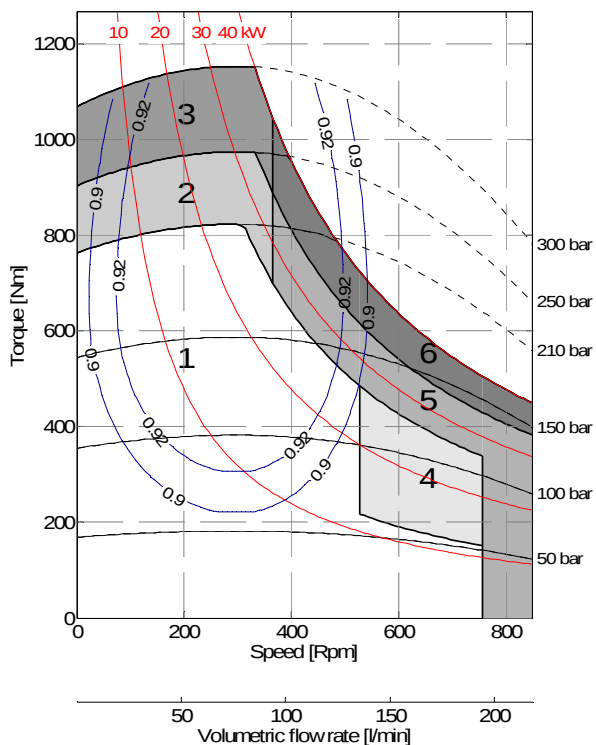
IAM 195 H1



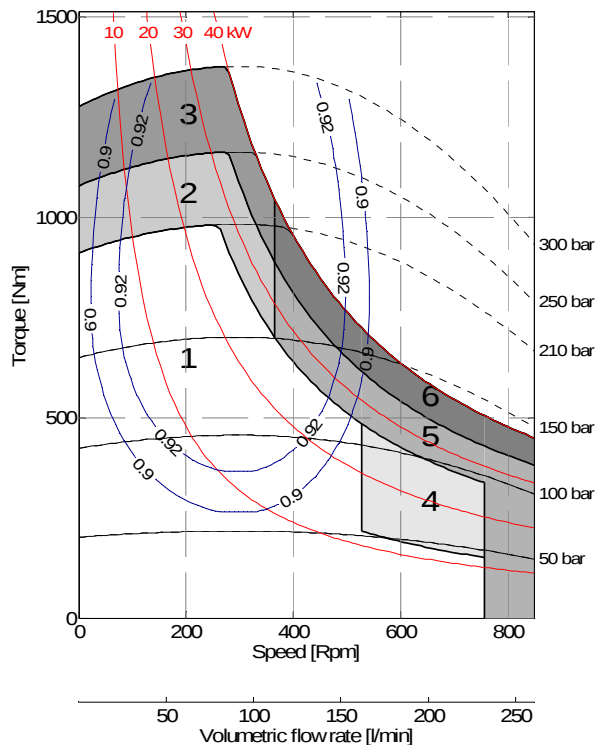
IAM 200 H1



IAM 250 H1



IAM 300 H1



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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