

INTERMOT - ADVANCED - MOTORS

IAM SERIES

H3 MODEL

***IAM 350-400-450-500
600-650-700 H3***

IAM 450/C H3

IAM 450/B30 H3

IAM 800 H3

IAM 800/N H3

***IAM 400-450-500
600-700/GM3 H3***

***IAM 400-450-500
600-700/S H3***

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TECHNICAL DATA

H3

MODEL		IAM 350 H3	IAM 400 H3	IAM 450 H3	IAM 500 H3	IAM 600 H3	IAM 650 H3	IAM 700 H3	IAM 800 H3
Displacement	cc/rev	349	397	452	491	594	660	707	791
Specific Torque	Nm/bar	5.6	6.3	7.2	7.8	9.4	10.5	11.2	12.6
Max cont. Pressure	bar	250	250	250	250	250	250	250	250
Max int. Pressure	bar	300	300	300	300	300	300	300	300
Peak pressure	bar	350	350	350	350	350	350	350	350
Max continuous speed	rpm	630	600	600	600	550	500	450	400
Peak speed	rpm	700	680	680	680	630	580	500	450
Max continuous power	HP	63	63	63	63	63	63	63	63
	kW	45	45	45	45	45	45	45	45
Max power	HP	91	91	91	91	91	91	91	91
	kW	68	68	68	68	68	68	68	68

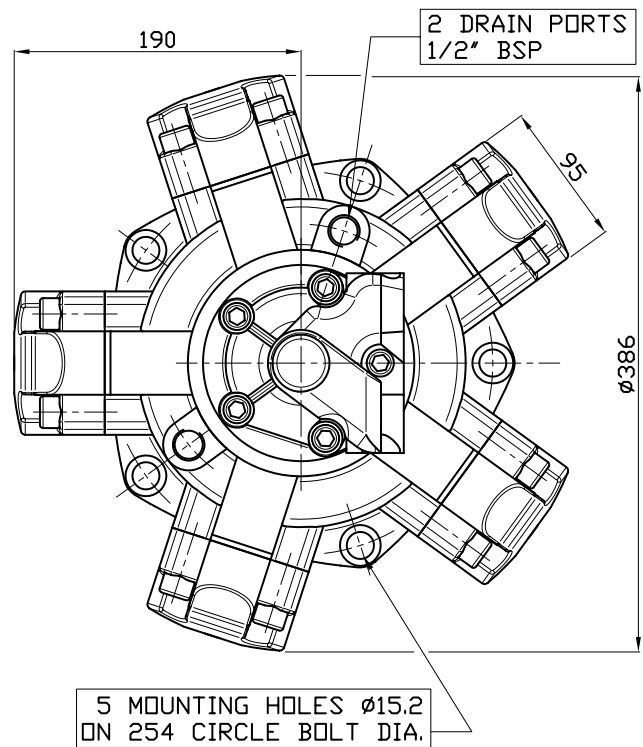
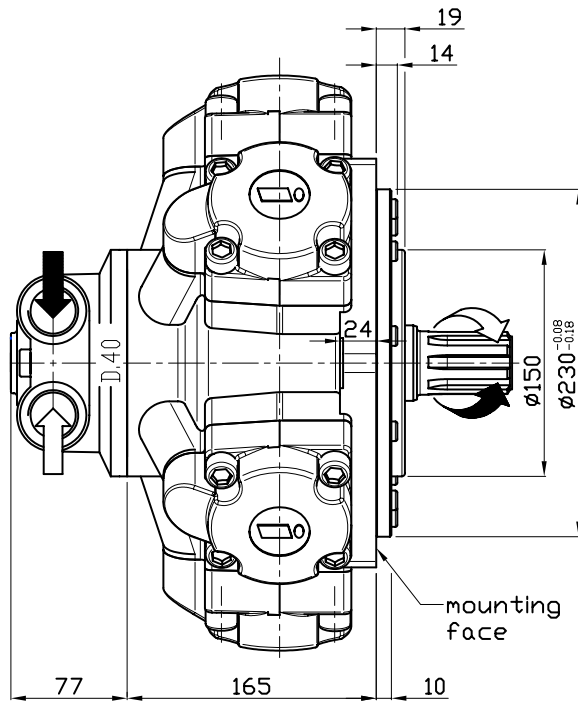
- N° of pistons: 5
- Max case pressure: 6 bar
- Max back pressure: 70 bar
- Dry weight: 68 kg
- Temperature range: -30°C ÷ +70°C
- Minimum speed: 1 rpm
- Flushing flow^(*):

IAM H3 350 – 400 – 450 – 500	8 l/min
IAM H3 600 – 650 – 700 – 800	10 l/min

(*)for further details regarding flushing go to page 10 of this catalogue.

SIZE

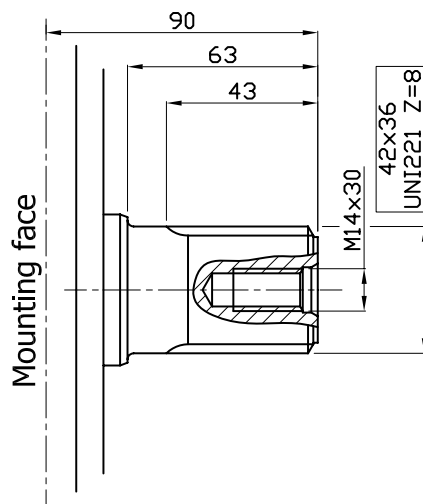
IAM 350-400-450-500-600-650-700 H3



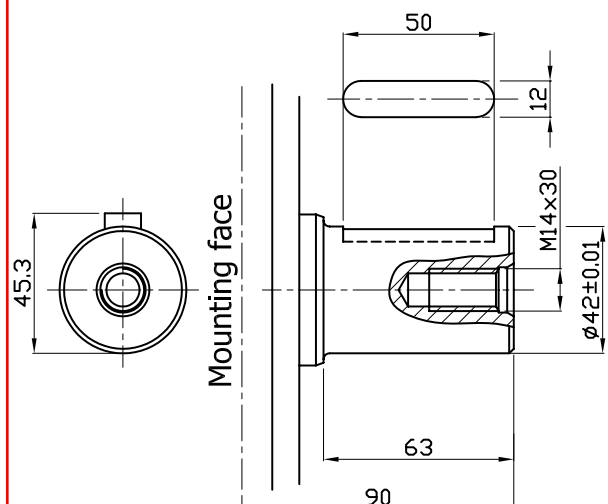
SHAFT

IAM 350-400-450-500-600-650-700 H3

A0: Standard splined shaft



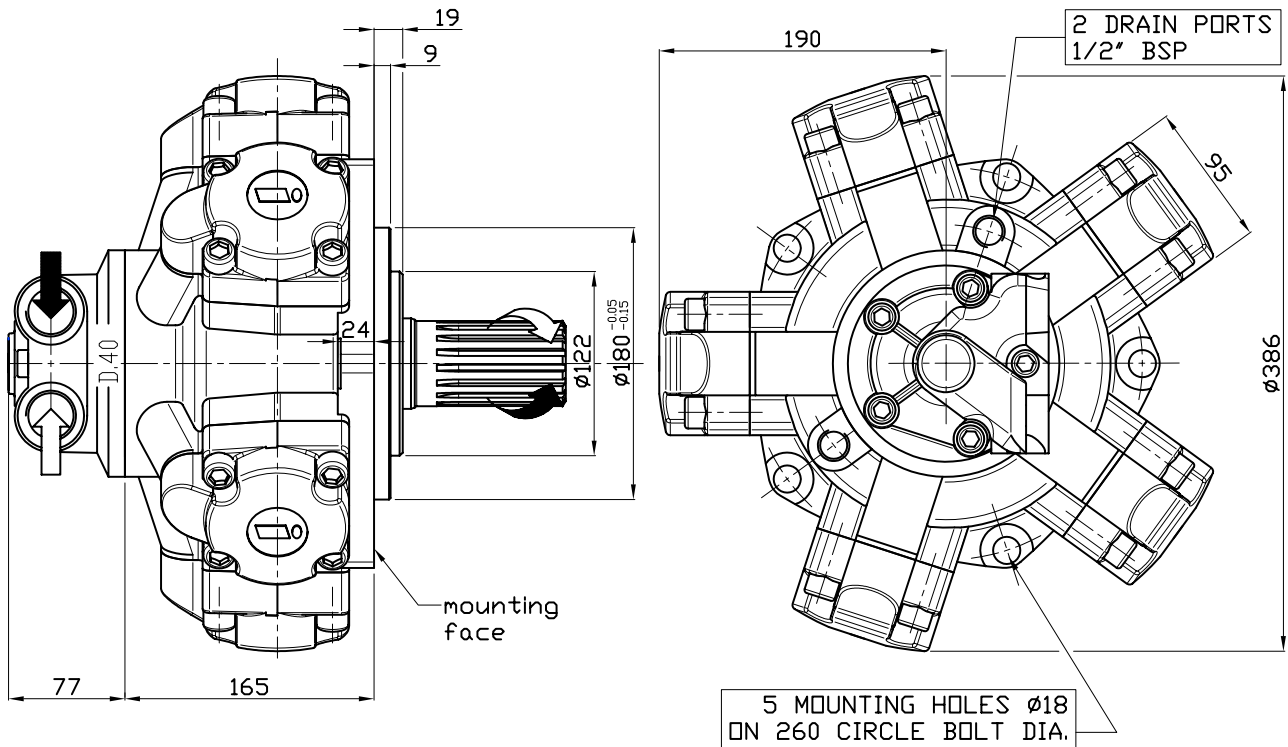
A2: Parallel shaft on request



IAM 350 H3 A0 AVAILABLE ON REQUEST

SIZE

IAM 450/B30 H3



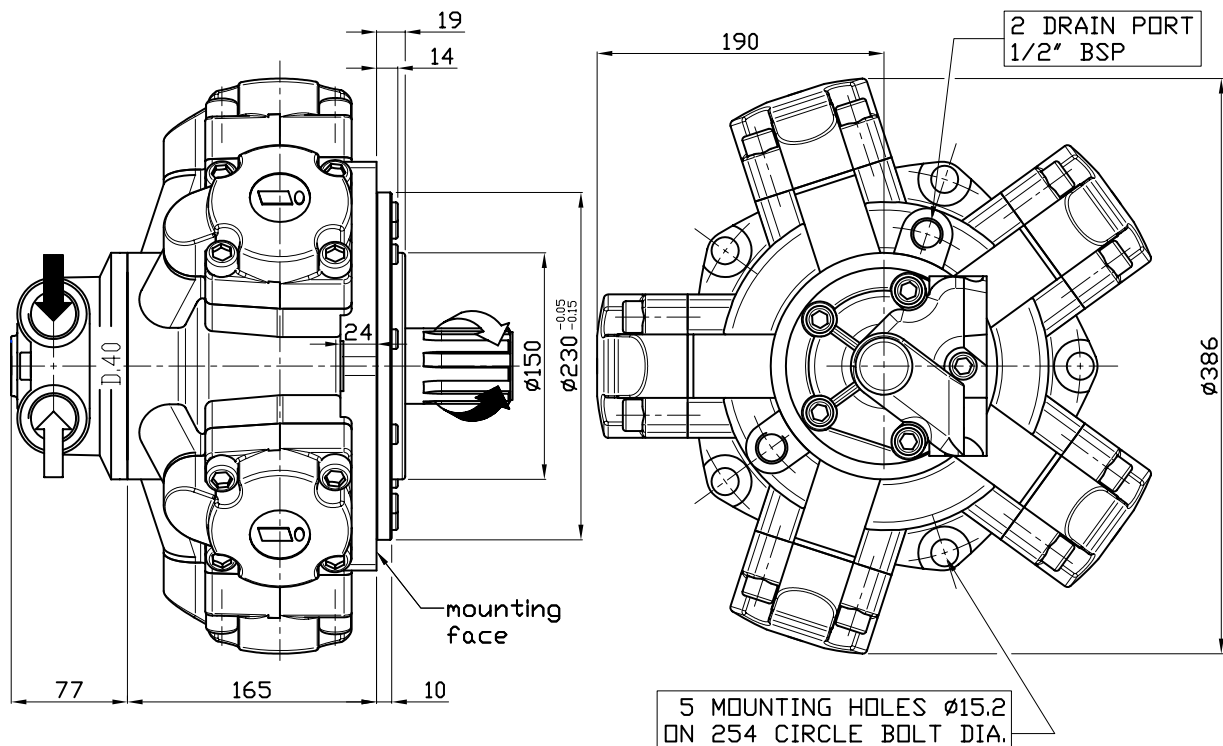
SHAFT

IAM 450/B30 H3

A0: Standard splined shaft	A1: Splined shaft on request	A2: Parallel shaft on request
Mounting face	Mounting face	Mounting face

SIZE

IAM 800 H3



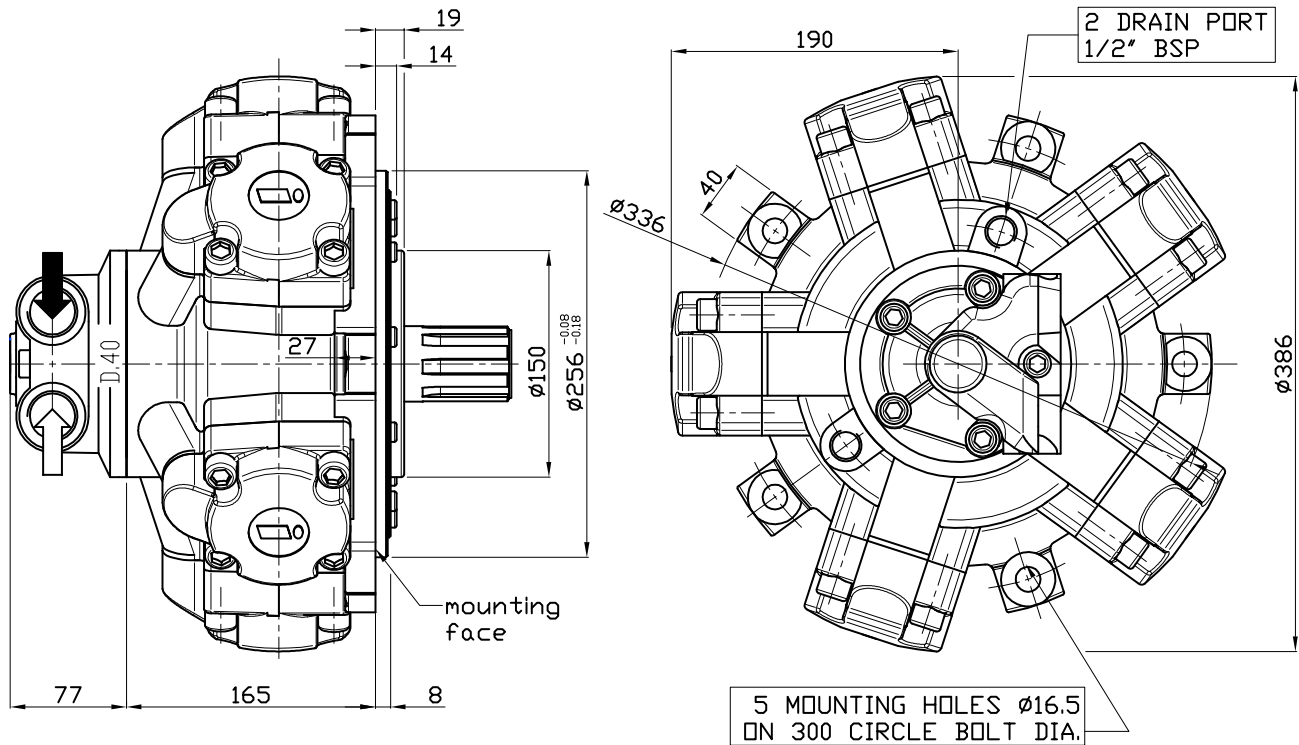
SHAFT

IAM 800 H3

A0: Standard splined shaft	A2: Parallel shaft on request	A22: Parallel shaft on request
Technical drawing of the A0 standard splined shaft. Dimensions: 90, 47, 50x46 UNI 220 Z=8, M14x30, and Mounting face.	Technical drawing of the A2 parallel shaft. Dimensions: 50, 12, 63, 90, 42± 0.01, M14x30, and Mounting face.	Technical drawing of the A22 parallel shaft. Dimensions: 60, 16, 90, 50± 0.01, M14x30, and Mounting face.

SIZE

IAM 800/N H3



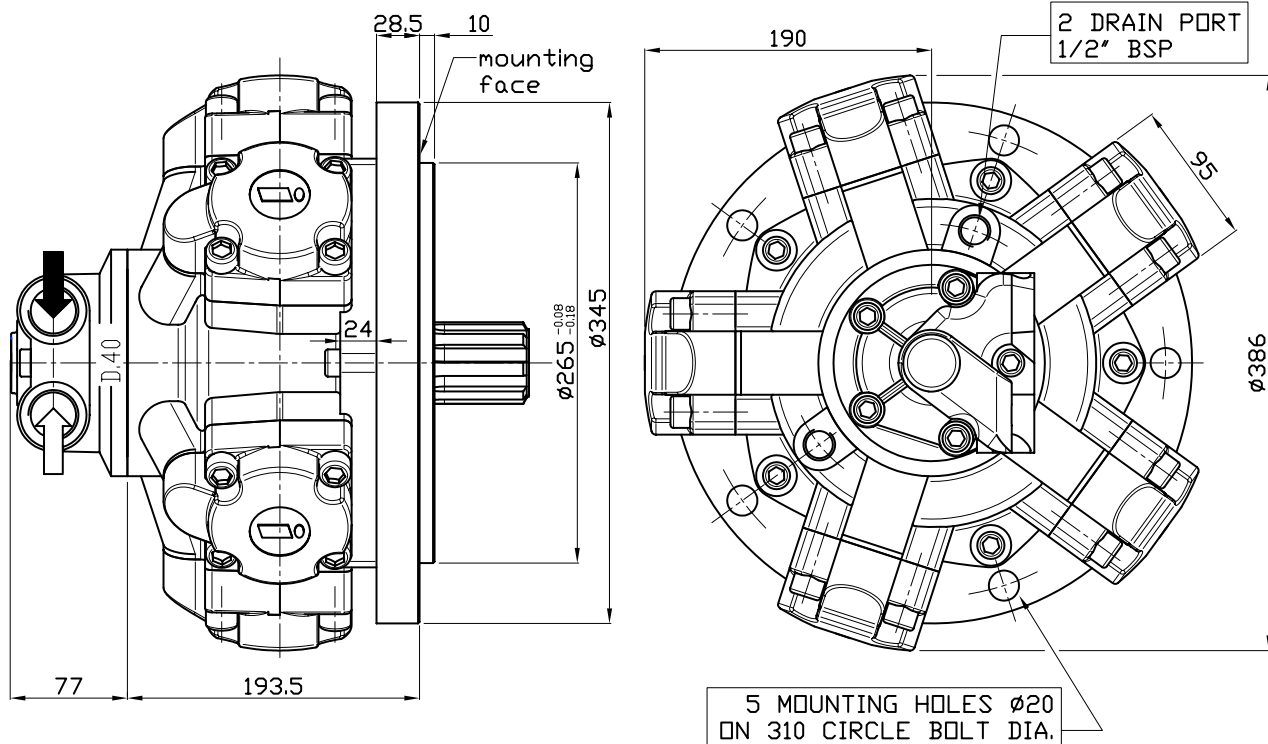
SHAFT

IAM 800/N H3

A1: Standard splined shaft	A2: Parallel shaft on request	A22: Parallel shaft on request
Technical drawing of the A1 standard splined shaft. Dimensions: 90, 47, 50x46 UNI 220 Z=8, M14x30. Mounting face is indicated.	Technical drawing of the A2 parallel shaft. Dimensions: 50, 12, 63, 90, M14x30. Mounting face is indicated.	Technical drawing of the A22 parallel shaft. Dimensions: 60, 16, 90, M14x30. Mounting face is indicated.

SIZE

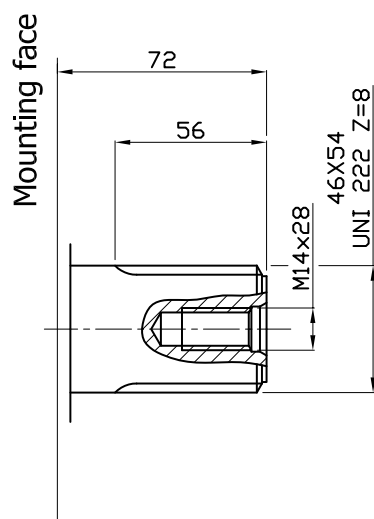
IAM 400/GM3 450/GM3 500/GM3 600/GM3 700/GM3 H3



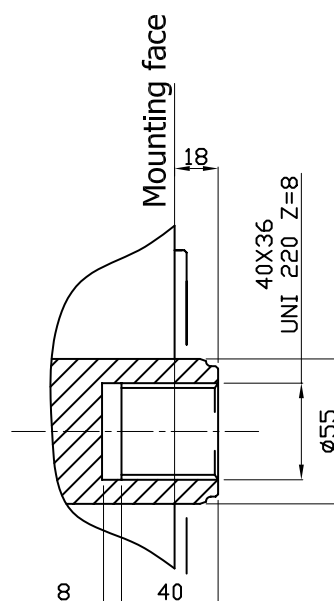
SHAFT

IAM 400/GM3 450/GM3 500/GM3 600/GM3 700/GM3 H3

A0: Standard splined shaft

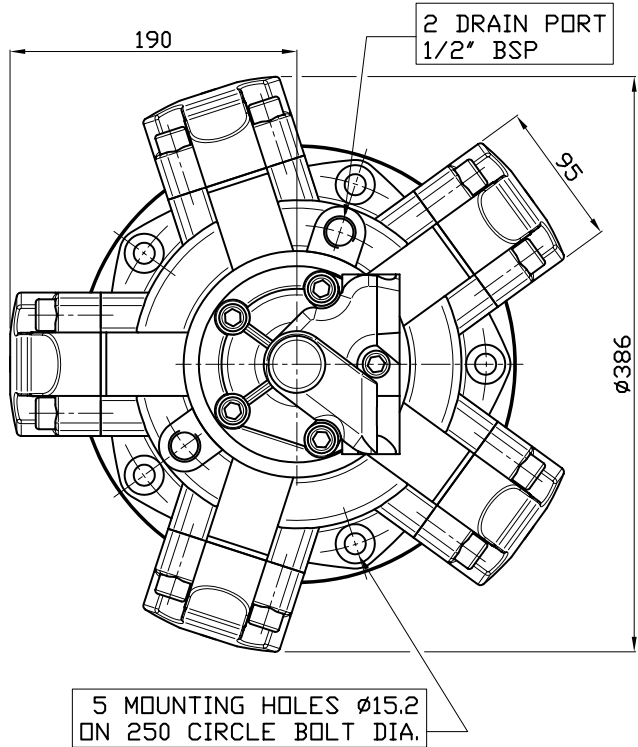
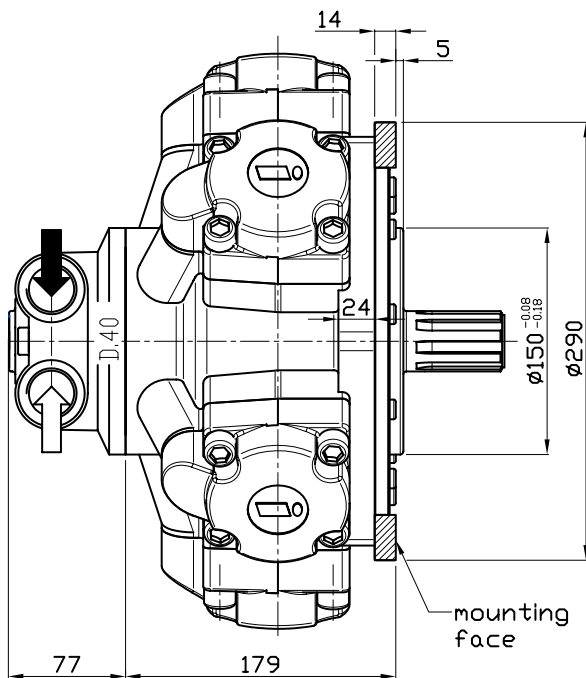


A3: Female shaft on request



SIZE INTERCHANGEABLE WITH M3

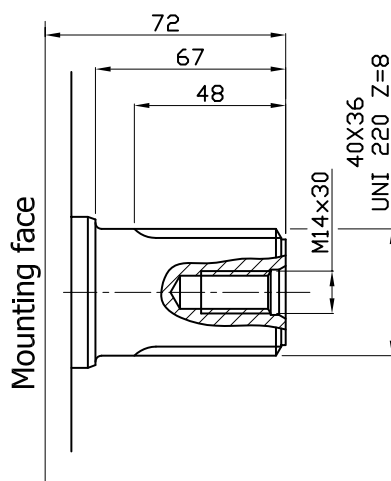
IAM 400/S 450/S 500/S 600/S 700/S H3



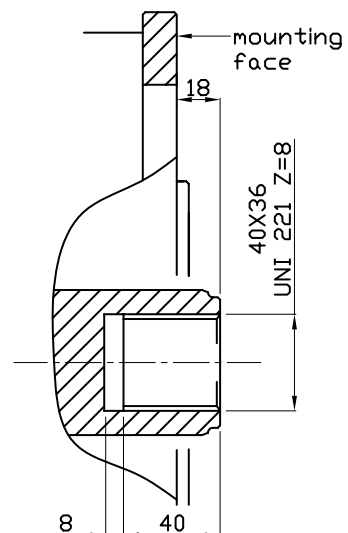
SHAFT

IAM 400/S 450/S 500/S 600/S 700/S H3

A0: Standard splined shaft



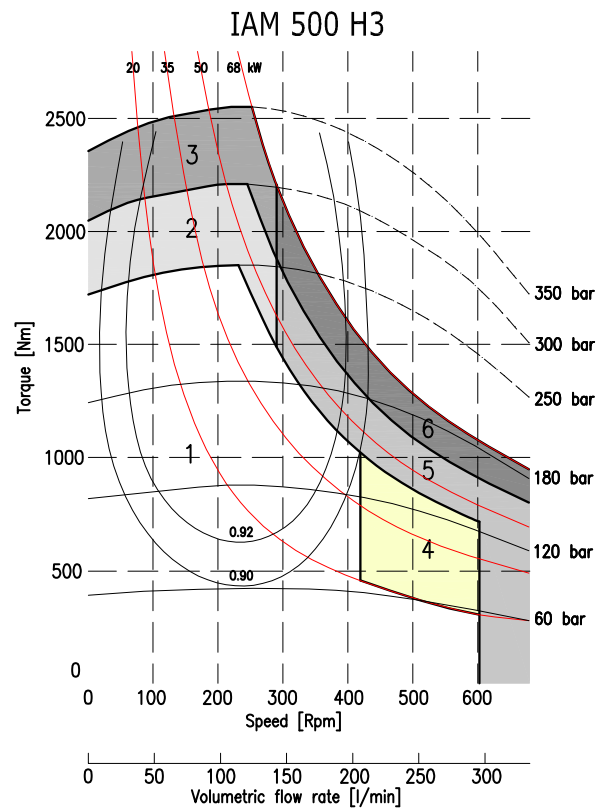
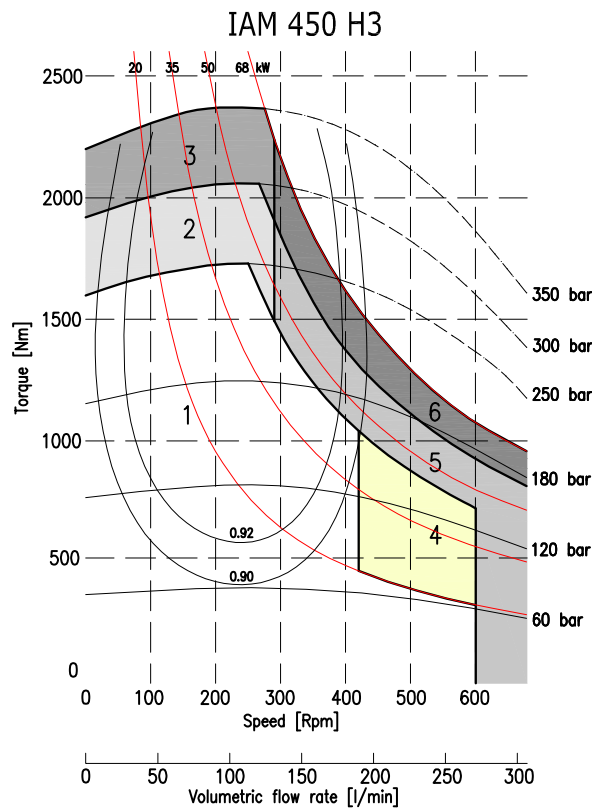
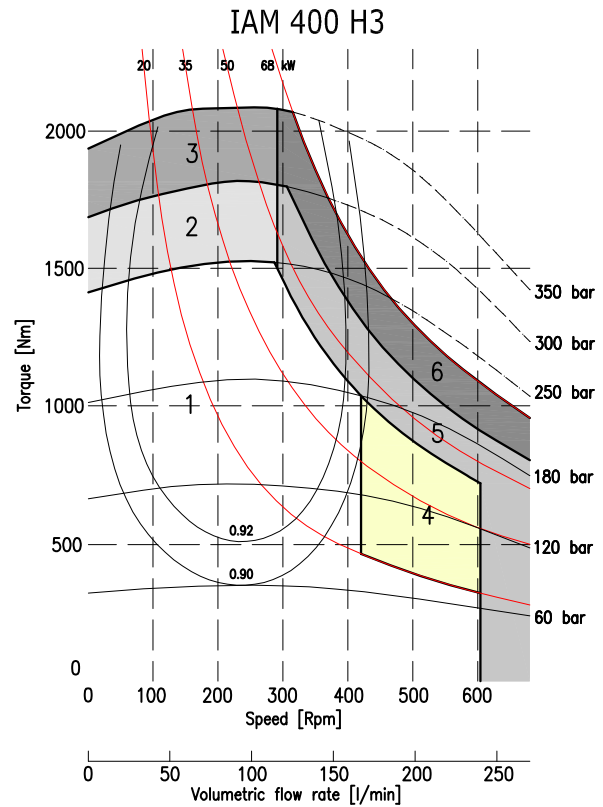
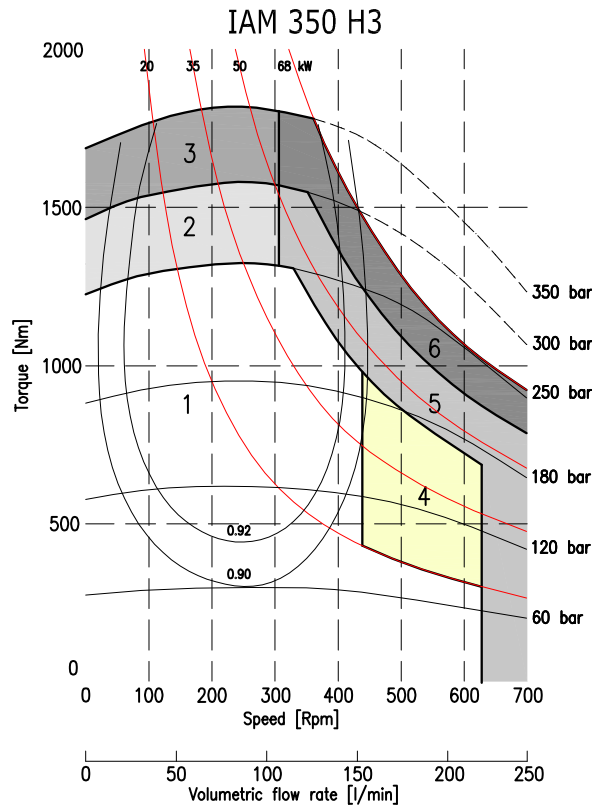
A3: Female shaft on request



ORDERING INSTRUCTIONS

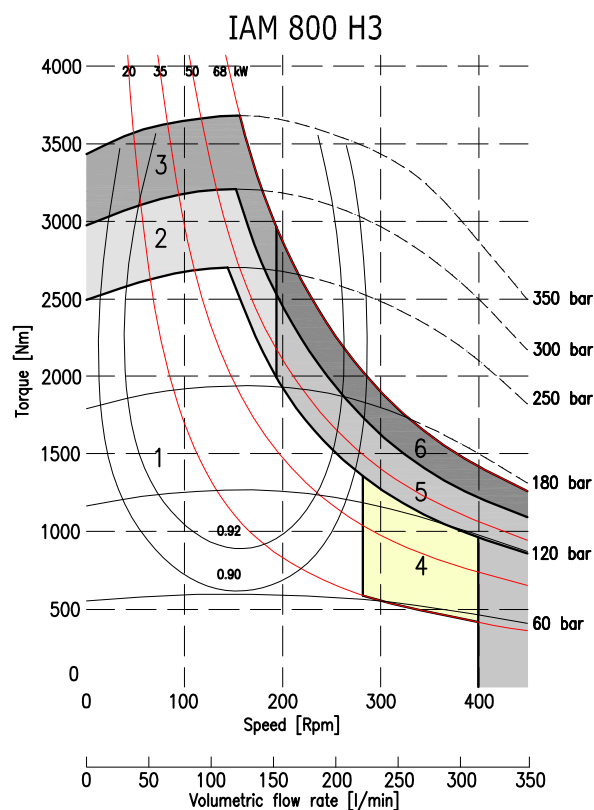
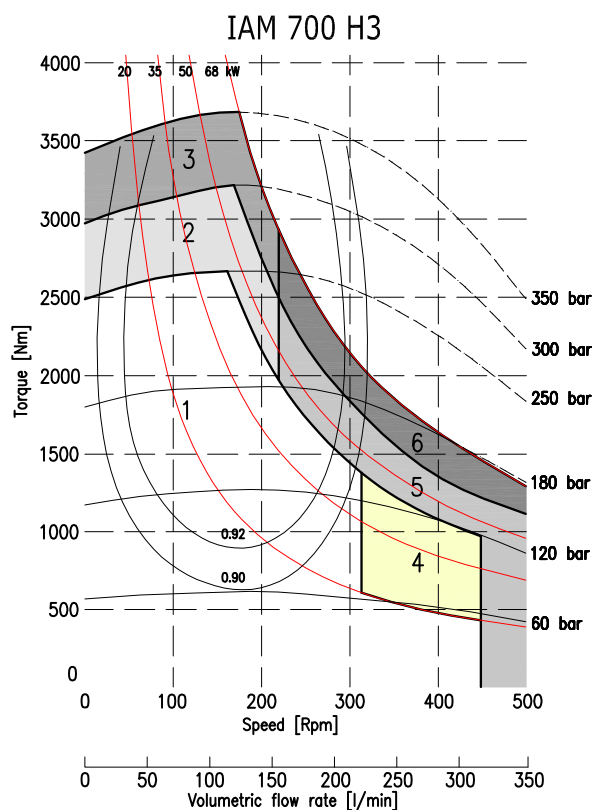
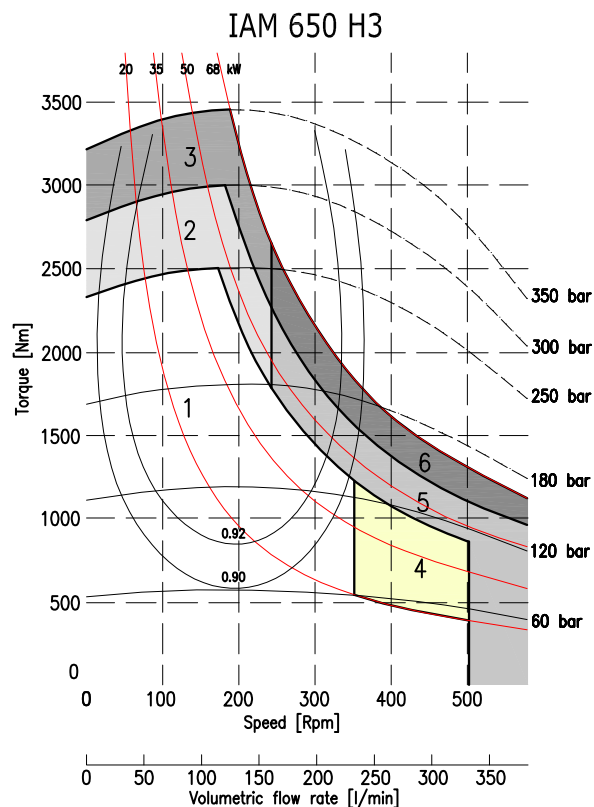
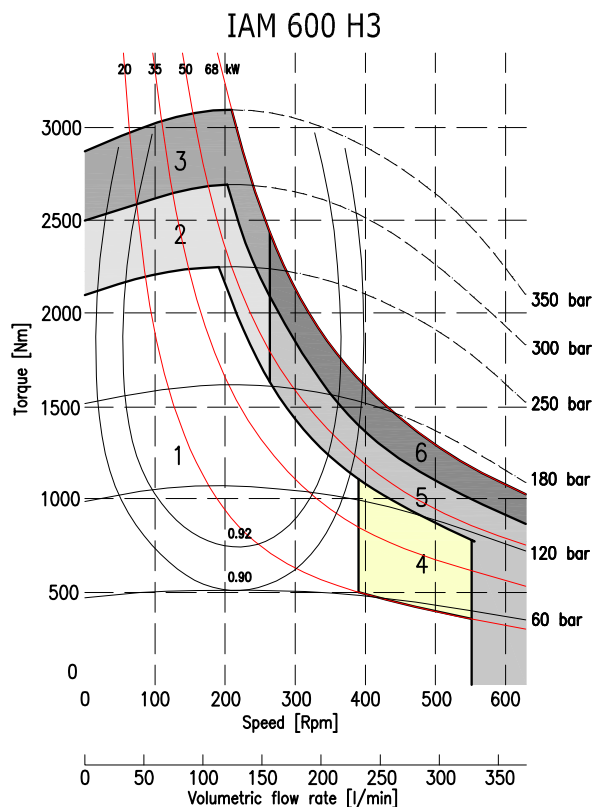
	IAM	- - -	- - -	H3	A -	D - -	- - -	SB -
Motor model	↑	↑	↑	↑	↑	↑	↑	↑
IAM								
Displacement		↑	↑					
Interchangeability			↑					
	/C	(450/C)						
	/B30	(450/B30)						
	/N							
	/GM3	/S						
Housing				↑				
Shaft					↑			
	A0	standard splined shaft						
	A1	special splined shaft						
	A2	parallel keyed shaft						
	A3	special female shaft						
	A..	other shaft						
Distributor								
	D31	(3/4" BSP)						
	D310	(1" BSP)	BSP THREAD					
	D40	(1" BSP)	CONFIGURATIONS					
	D47	SAE CONFIGURATIONS						
Tachometer								
	TA							
	TB							
	EST							
	EST.30							
	J	TACHOMETER PREDISPOSITION						
Spline billet								
	SB3	36x42 UNI 221						
	SB4	46x50 UNI 220						
	SB5	46x54 UNI 221						

EXAMPLE: IAM.400.H3.A0.D40
IAM.450/C.H3.A1.D40.J.SB5
IAM.500/GM3.H3.A0.D40.TA.SB5



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



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