

Series UHE, with integrated overflow valve and bypass

1.5

Technical selection chart; scale drawings

Direction of rotation I = indirect – counterclockwise
D = direct – clockwise

The direction of rotation can only be changed in the factory.
Therefore, specify the desired direction of rotation as viewed from the pump shaft as per dimension sheet when ordering.
Standard design of the pump for two-pipe installation, design for one-pipe installation on request.



UHE series

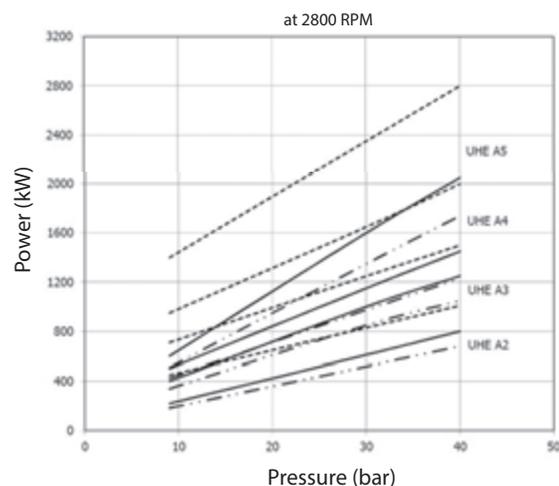
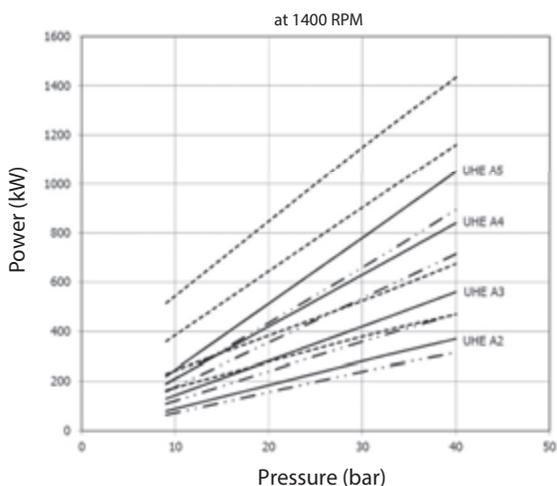
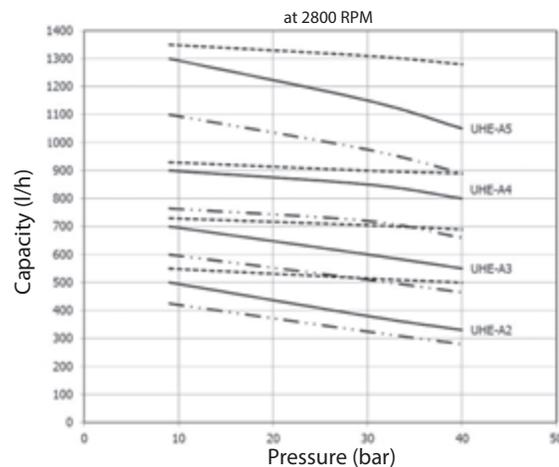
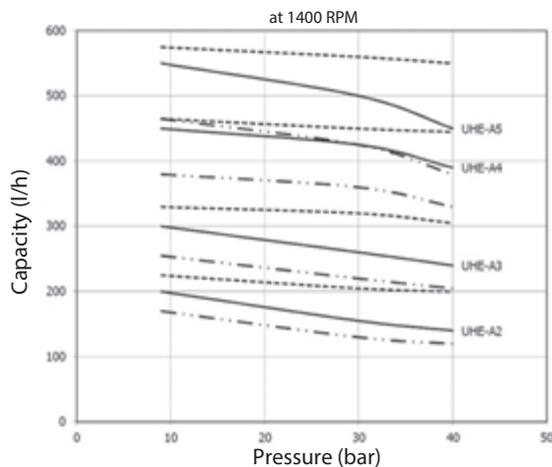
hp-Internal gear pumps to 40 bar (direction of rotation I = indirect – counterclockwise)

hp-Internal gear pump Series UHE Sizes:	Viscosity: 6 mm ² sec ⁻¹ at 20°C								Gear rotor size Ø	Shaft Ø	Threaded connection Suction pressure (S/A/R)	Manometer connection (M1/M2)	max. permitted pump speed (RPM) at I/D	Net weight (kg) at I/D
	n = 1400 RPM Discharge l/h				n = 2800 RPM Discharge l/h									
	at 9 bar	at 30 bar	at 40 bar	Item No. I	at 9 bar	at 30 bar	at 40 bar	Item No. I						
UHE-A2-PZ	200	155	140	0110542	500	380	330	0130542	38	12	G 1/2"	G 1/4"	3500	4.4
UHE-A3-P	300	260	240	0110543	700	600	550	0130543	38	12	G 1/2"	G 1/4"	3500	4.6
UHE-A4-M	450	425	390	0110544	900	850	800	0130544	38	12	G 1/2"	G 1/4"	3500	4.8
UHE-A5-GZ	550	500	450	0110545	1300	1150	1050	0130545	38	12	G 1/2"	G 1/4"	3500	5

hp-Internal gear pumps to 40 bar (direction of rotation D = direct – clockwise)

hp-Internal gear pump Series UHE Sizes:	Viscosity: 6 mm ² sec ⁻¹ at 20°C								Gear rotor size Ø	Shaft Ø	Threaded connection (Suction, pressure, return) (S/A/R)	Manometer connection (M1/M2)	Heating power H2 in Watt 230 V, 50 Hz	Breakaway torque of the pump (Nm)
	n = 1400 RPM Discharge l/h				n = 2800 RPM Discharge l/h									
	at 9 bar	at 30 bar	at 40 bar	Item No. D	at 9 bar	at 30 bar	at 40 bar	Item No. D						
UHE-A2-PZ	200	155	140	0120542	500	380	330	0140542	38	12	G 1/2"	G 1/4"	110	1.6
UHE-A3-P	300	260	240	0120543	700	600	550	0140543	38	12	G 1/2"	G 1/4"	110	1.6
UHE-A4-M	450	425	390	0120544	900	850	800	0140544	38	12	G 1/2"	G 1/4"	110	1.6
UHE-A5-GZ	550	500	450	0120545	1300	1150	1050	0140545	38	12	G 1/2"	G 1/4"	110	1.6

Curves and power requirement for hp-Pumps Series UHE

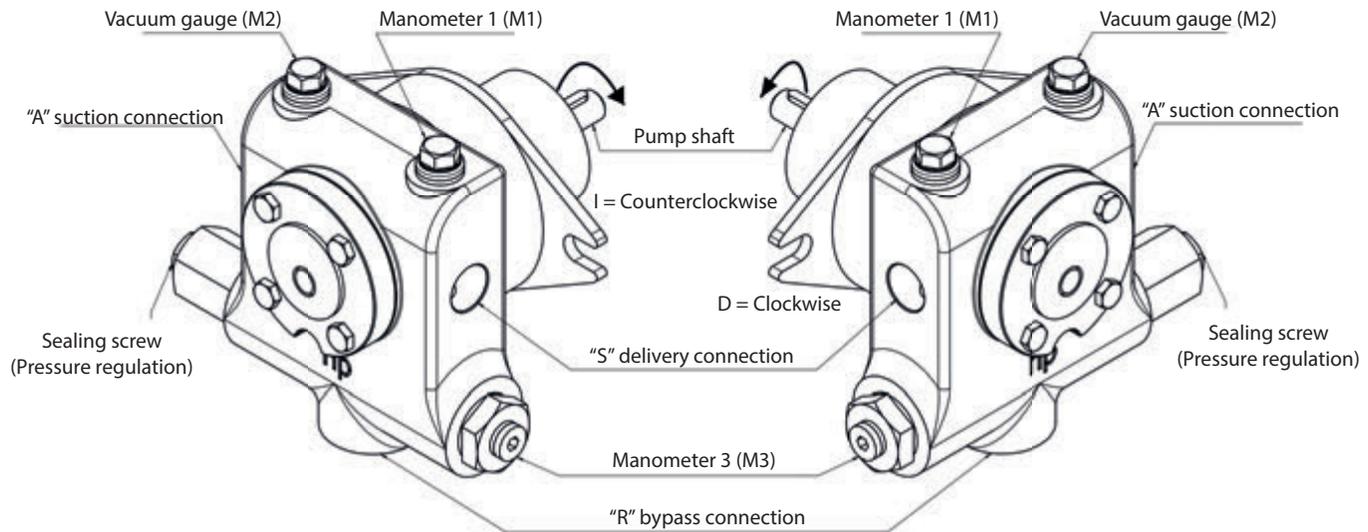
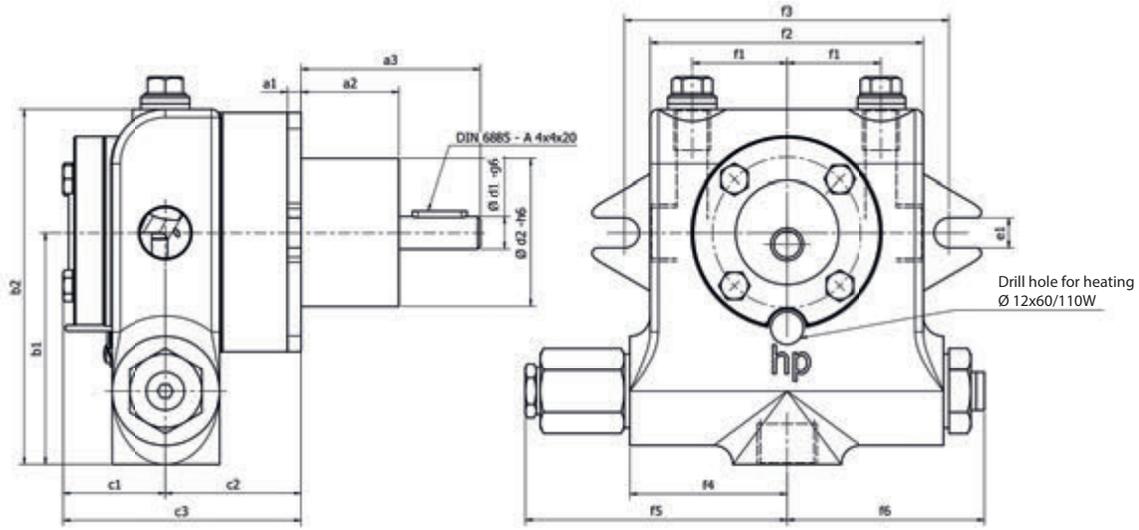


--- 1,5 cSt.
- - - 5 cSt.
— 200 cSt.

Scale Drawings for Series UHE

1.5

Pipe connections: Threaded connection DIN ISO 228-1



Size	a1	a2	a3	b1	b2	c1	c2	d1	d2	d3
UHE-A2-PZ	5	36	66	85	130	36	50	12	13.5	54
UHE-A3-P	5	36	66	85	130	36	54	12	13.5	54
UHE-A4-M	5	36	66	85	130	36	58	12	13.5	54
UHE-A5-GZ	5	36	66	85	130	36	64	12	13.5	54

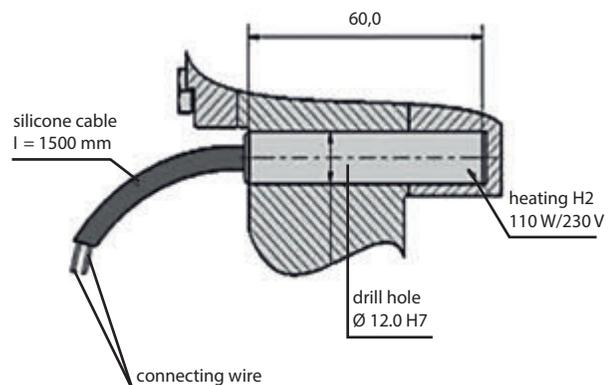
Size	e1	f1	f2	f3	f4	f5	f6	S;A;R	M1/M2	M3
UHE-A2-PZ	11	35	101	125	58	98	72.5	1/2"	G 1/4"	1/8"
UHE-A3-P	11	35	101	125	58	98	72.5	1/2"	G 1/4"	1/8"
UHE-A4-M	11	35	101	125	58	98	72.5	1/2"	G 1/4"	1/8"
UHE-A5-GZ	11	35	101	125	58	98	72.5	1/2"	G 1/4"	1/8"

Accessories for UHE Series

Axial face shaft seal: see page 20 (pinion size Ø 38)

hp-Electric standby and auxiliary heaters for hp-Industrial pumps type H2

For use of the pumps with viscous medium the use of H2 heating is provided by the manufacturer.



Pumps and Valves

Motor pump group

Units for single-pit installation

Feed pumps or Pressure aggregat

Oil burner pressu aggregate

Filter:

Pump contro

Accessories an Spare part

Nozzle:

Special unit and Applicatic

Genera