

HARDI PUMP 463



General specifications

- High capacity six diaphragm positive displacement radial pump with base plate.
- Self-priming.
- Can be run dry.
- Can rotate clockwise or anticlockwise.
- One grease point for lubrication.
- Dry sump to simplify maintenance.
- No special tools needed for maintenance.
- Polyurethane diaphragms and seals.
- Cast iron crankcase and covers.
- Stainless steel bolts and plates for diaphragms.
- 2" suction port, 1 1/4" pressure port.
- Hydraulic drive kit available.

463/5.5 (Ref. no. 821650)

- 21-splined 1 3/8" through shaft, for tractor use.
- Normal operating revolutions, 1000 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.40 bar / 5.9 PSI.
- Weight, 66.5 kg / 147 lb.
- Offset Ports

463/5.5 (Ref. no. 821585)

- 21-splined 1 3/8" shaft, for tractor use.
- Normal operating revolutions, 1000 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.40 bar / 5.9 PSI.
- Weight, 67.0 kg / 148 lb.

463/10.0 (Ref. no. 821612)

- 6-splined 1 3/8" shaft, for tractor use.
- Normal operating revolutions, 540 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.58 bar / 8.5 PSI.
- Weight, 66.5 kg / 147 lb.
- Offset Ports

463/10.0 (Ref. no. 821587)

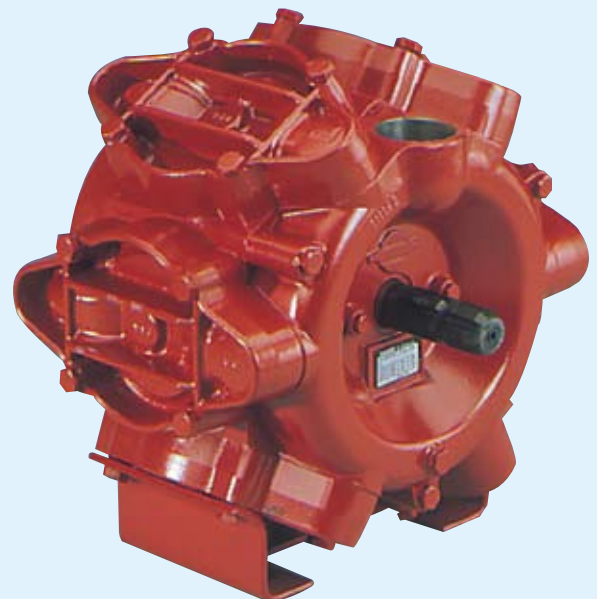
- 6-splined 1 3/8" through shaft, for tractor use.
- Normal operating revolutions, 540 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.58 bar / 8.5 PSI.
- Weight, 66.9 kg / 148 lb.

463/12.0 (Ref. no. 821649)

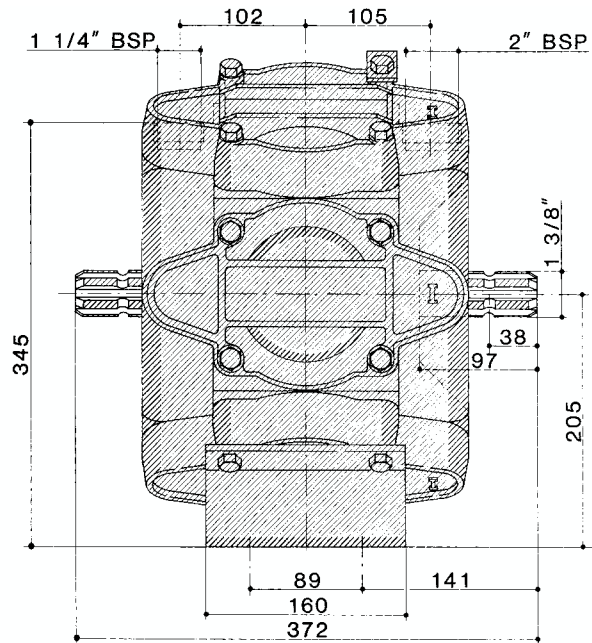
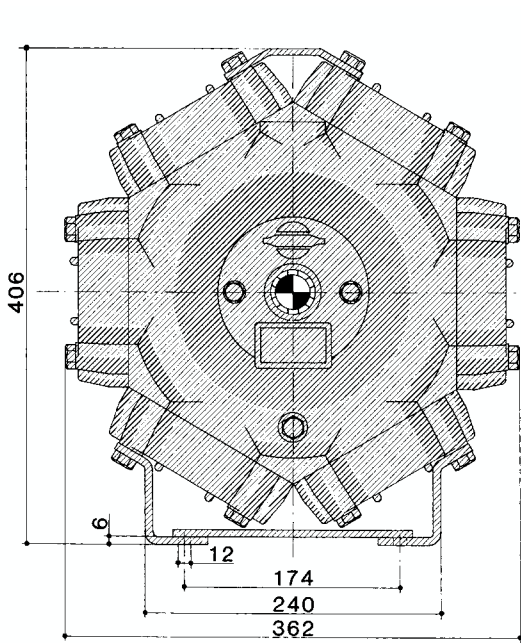
- 6-splined 1 3/8" shaft, for tractor use.
- Normal operating revolutions, 540 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.58 bar / 8.5 PSI.
- Weight, 66.7 kg / 147 lb.
- Offset Ports



463 with hydraulic drive



463 with splined shaft



mm to in = mm x 0.0394

	r/min		300		400		500		540		600		700		800		900		1000		1100		1200			
	bar	l/min	kW	l/min	kW	l/min	kW	l/min	kW	l/min	kW	l/min	kW	l/min	kW	l/min	kW	l/min	kW	l/min	kW	l/min	kW			
463/5.5	0	89	0.9	119	1.2	148	1.6					178	1.9	206	2.2	233	2.5	273	2.8	305	3.2	325	3.5	334	3.8	
	2	84	0.0	113	1.3	140	1.6					168	1.0	197	2.3	222	2.6	252	3.0	278	3.5	296	3.9	298	4.1	
	4	82	1.0	108	1.5	137	1.9					162	2.3	190	2.9	216	3.3	244	3.9	273	4.5	289	4.9	303	5.6	
	6	78	1.3	105	1.8	131	2.4					158	2.9	185	3.5	211	4.3	239	5.0	269	5.5	286	5.8	298	6.5	
	10	74	2.0	100	2.6	126	3.2					151	4.0	178	4.7	202	5.3	229	6.3	257	7.3	274	8.2	291	8.7	
	15	70	2.5	95	3.3	120	4.2					145	5.2	171	6.1	195	7.0	219	8.1	246	9.1	264	10.3	280	11.1	
	PSI	gpm	Hp	gpm	Hp	gpm	Hp					gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp	
	0	23.5	1.3	31.4	1.7	39.1	2.1					46.0	2.5	54.4	2.9	61.5	3.4	72.1	3.8	80.5	4.3	85.8	4.6	88.2	5.1	
	29	22.2	1.3	29.8	1.8	36.0	2.1					44.4	2.6	52.0	3.1	58.6	3.5	66.5	4.0	73.4	4.7	78.1	5.2	78.7	5.5	
	58	21.6	1.3	28.5	2.0	36.2	2.5					42.8	3.1	50.2	3.9	57.0	4.4	64.4	5.2	72.1	6.0	76.3	6.6	79.0	7.5	
88	20.6	1.7	27.7	2.4	34.6	3.2					41.7	3.9	48.8	4.7	55.7	5.8	63.1	6.7	71.0	7.4	75.5	7.8	78.7	8.7		
147	19.5	2.7	26.4	3.5	33.3	4.3					39.9	5.4	46.0	6.3	53.3	7.1	60.5	8.4	67.8	9.8	72.3	10.0	76.8	11.7		
220	18.5	3.4	25.1	4.4	31.7	5.6					38.3	6.0	45.1	8.2	51.5	9.4	57.8	10.9	64.9	12.2	69.7	13.8	73.9	14.9		
463/10.0	0	156	1.0	207	1.3	257	1.6	276	1.8	305	2.1	352	2.8													
	2	152	1.2	202	1.7	252	2.3	270	2.6	299	3.0	343	3.8													
	4	149	1.7	198	2.5	246	3.1	265	3.5	295	3.9	337	5.2													
	6	146	2.2	195	3.0	242	3.9	263	4.3	289	4.9	335	6.1													
	10	142	3.1	192	4.3	236	5.6	256	5.9	282	6.7	326	8.1													
	15	136	3.9	184	5.3	230	6.6	248	7.0	276	7.9	320	9.3													
	PSI	gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp													
	0	41.2	1.3	54.6	1.7	67.8	2.2	72.9	2.4	80.5	2.8	92.9	3.8													
	29	40.1	1.6	53.3	2.3	66.5	3.1	71.3	3.5	78.9	4.1	90.6	5.1													
	58	39.3	2.3	52.3	3.3	64.9	4.1	70.0	4.6	77.9	5.2	89.0	6.9													
88	38.5	2.9	51.5	4.0	63.9	5.3	69.4	5.8	76.3	6.6	88.4	8.1														
147	37.5	4.1	50.7	5.7	62.3	7.5	67.6	8.0	74.4	9.0	86.1	10.9														
220	35.9	5.3	48.6	7.1	60.7	8.9	65.5	9.4	72.9	10.6	84.5	12.4														
463/12.0	0	182	1.0	240	1.4	298	1.9	322	2.2	358	2.7	390	3.5													
	2	178	1.4	237	2.0	292	2.7	317	3.1	350	3.6	386	4.5													
	4	175	1.8	233	2.7	288	3.9	314	4.2	345	4.9	382	5.8													
	6	172	2.6	230	3.5	284	4.6	308	5.1	340	5.9	378	7.2													
	10	168	3.5	223	5.0	280	6.4	302	7.1	333	7.8	372	9.1													
	15	163	4.1	218	5.5	273	6.8	295	7.4	326	8.2	364	9.7													
	PSI	gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp	gpm	Hp													
	0	48.0	1.3	63.4	1.8	78.7	2.6	85.0	3.0	94.5	3.6	103.0	4.7													
	29	47.0	1.9	62.6	2.7	77.1	3.6	83.7	4.2	92.4	4.8	101.9	6.0													
	58	46.2	2.5	61.5	3.7	76.0	5.2	82.9	5.6	91.1	6.6	100.8	7.8													
88	45.4	3.4	60.7	4.7	75.0	6.2	81.3	6.9	89.8	7.9	99.8	9.6														
147	44.4	4.6	58.9	6.7	73.9	8.6	79.7	9.5	87.9	10.4	98.2	12.2														
220	43.0	5.4	57.6	7.4	72.1	9.1	77.9	9.9	86.1	10.9	96.1	13.0														

Model/stroke
r/min
Bar / PSI
kW / Hp
l/min / gpm

Pump model and pump stroke in millimetre.
Maximum revolutions per minute is indicated by the highest figure.
Maximum pressure is indicated by the highest figure.
Power consumption in kilowatt and horsepower.
Capacity in litres and US gallons per minute at zero suction lift.

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