



Magnetic Drive 2ERE7



Mechanical Seal 2ERC3



Pump Head 6KXR2



Rotary Gear Pumps—High Temperature

- Max. temp.: 450°F
- Max. viscosity: 100 SSU, except Pedestal are 500 SSU
- Metering accuracy ±0.5%
- Self-priming

Quietly transfer highly corrosive liquids at higher pressures and temperatures. Pumps have a 316 stainless steel housing and feature Waukesha 88 nongalling helical gears. With heavy-duty 1-pc. combination bearing and full-size carbon bearing wear plate; sized to match the full gear diameter. Pump housings have through-bolt construction with PTFE-encapsulated silicone O-ring housing seals and a seal flush chamber. Other wetted materials include 316 stainless steel, W88 helical gears, PTFE, Kalrez, ceramic, and carbon. Bidirectional rotation. 3-phase pumps do not

have overload protection, which must be provided by a starter unit sold separately, see page 153.

Magnetic Drive—These sealless pumps are used to transfer harsh and aggressive chemicals in environmentally sensitive or regulated areas.

Max. pressure: 110 psi

Mechanical Seal—Type 9T stainless steel and PTFE mechanical shaft seals handle many harsh chemical liquids.

- Max. pressure: 150 psi
- (2ERA9 is 110 psi)

HP	Phase	Voltage	Amps	Port Size (NPT)	NEMA Motor Frame	GPM @ Free Flow @ 1725 rpm	GPM @ 1725 rpm 100 psi*	Suction Lift (ft.)	MAGNETIC DRIVE Item No.	MECHANI SEAL Item No.	CAL
	Gear Pun		Anipa	5126 (NI T)	Traine	@ 1725 tpin	100 µ31	Lint (n.)	NU.	NU.	
1/3 hp	1	115/230	6/3	1/4 in	56C	0.6 gpm	0.37 gpm	1.5 ft	2ERE7	2ERA9	#
1/3 hp	1	115/230	6/3	1/4 in	56C	1.5 gpm	1.12 gpm	2 ft	2ERE8	2ERC1	#
1/3 hp	1	115/230	6/3	1/2 in	560	2 gpm	1.6 gpm	3 ft	2ERE9	2ERC2	#
1⁄2 hp	1	115/230	8/4	1/2 in	56C	3 gpm	2.2 gpm	4 ft	2ERF1	2ERC3	#
3⁄4 hp	1	115/230	8.4/4.2	1/2 in	56C	4 gpm	3.7 gpm	5 ft	2ERF2	2ERC4	#
1 hp	1	115/230	12.8/6.4	1/2 in	56C	5.6 gpm	5.25 gpm	6 ft	2ERF3	2ERC5	#
1 ½ hp	3	230/460	5/2.5	1⁄2 in	56C	8 gpm	7.5 gpm	8 ft	2ERF4 †	2ERC6	†#
1 ½ hp	3	230/460	5/2.5	3⁄4 in	56C	10 gpm	9.25 gpm	9 ft	2ERF5 †	2ERC7	†#
3 hp	3	230/460	8.3/4.15	1 ½ in	182TC	14.9 gpm	12.4 gpm	10 ft	2ERF6 †	2ERC8	†#
3 hp	3	230/460	8.3/4.15	1 ½ in	182TC	20 gpm	17.6 gpm	12 ft	2ERF7 †	2ERC9	+#
5 hp	3	230/460	13.2/6.6	1 ½ in	182TC	23 gpm	20.1 gpm	15 ft	2ERF8 †	2ERD1	†#
5 hp	3	230/460	13.2/6.6	1 ½ in	182TC	30 gpm	27 gpm	17 ft	2ERF9 †	2ERD2	†#
			NEMA								
Recomr		Port	Motor	Free Flow	GPM @	GPM @	Max.	Suction	Mfr.	Item	
Moto		Size (NPT)	Frame	(gpm)	40 psi*	50 psi*	Pressure	Lift	Model	No.	
Rotary	Gear Pun	np Heads, N	lechanical	Seal							"
Rotary 1/3	Gear Pun hp	np Heads, N 1/4 in	lechanical 56C	Seal 0.6 gpm	0.5 gpm	0.5 gpm	110 psi	1.5 ft	R10216CA	6KXR2	#
Rotary 1/3 1/3	Gear Pun hp hp	np Heads, N 1/4 in 1/4 in	lechanical 56C 56C	Seal 0.6 gpm 1.4 gpm	0.5 gpm 1.3 gpm	0.5 gpm 1.3 gpm	110 psi 150 psi	1.5 ft 2 ft	R10216CA R10316CA	6KXR2 6KXR3	#
Rotary 1/3 1/3 1/3	Gear Pun hp hp hp	np Heads, N 1/4 in 1/4 in 1/2 in	lechanical 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm	0.5 gpm 1.3 gpm 1.9 gpm	0.5 gpm 1.3 gpm 1.8 gpm	110 psi 150 psi 150 psi	1.5 ft 2 ft 3 ft	R10216CA R10316CA R10416CA	6KXR2 6KXR3 6KXR4	# #
Rotary 1/3 1/3 1/3 1/2	Gear Pun hp hp hp hp	np Heads, N 1/4 in 1/4 in 1/2 in 1/2 in	lechanical 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm	0.5 gpm 1.3 gpm 1.9 gpm 2.5 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm	110 psi 150 psi 150 psi 150 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft	R10216CA R10316CA R10416CA R10616CA	6KXR2 6KXR3 6KXR4 6KXR5	# # #
Rotary 1/3 1/3 1/3 1/2 3/4	Gear Pun hp hp hp hp hp	np Heads, N 1/4 in 1/4 in 1/2 in 1/2 in 1/2 in 1/2 in	lechanical 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm	0.5 gpm 1.3 gpm 1.9 gpm 2.5 gpm 4.2 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm	110 psi 150 psi 150 psi 150 psi 150 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft	R10216CA R10316CA R10416CA R10616CA S20716CA	6KXR2 6KXR3 6KXR4 6KXR5 6KXR6	# # #
Rotary 1/3 1/3 1/3 1/2 1/2 3/4 1	Gear Pun hp hp hp hp hp hp	np Heads, N 14 in 14 in 12 in 12 in 12 in 12 in 12 in	lechanical 56C 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm	0.5 gpm 1.3 gpm 1.9 gpm 2.5 gpm 4.2 gpm 5.9 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm	110 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft	R10216CA R10316CA R10416CA R10616CA S20716CA S21016CA	6KXR2 6KXR3 6KXR4 6KXR5 6KXR6 6KXR7	# # # #
Rotary 1/3 1/3 1/2 3/4 11 1 1/2	Gear Pun hp hp hp hp hp hp hp	np Heads, W 1/4 in 1/4 in 1/2 in 1/2 in 1/2 in 1/2 in 1/2 in 1/2 in	lechanical 56C 56C 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm 8.6 gpm	0.5 gpm 1.3 gpm 1.9 gpm 2.5 gpm 4.2 gpm 5.9 gpm 8.3 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm 8.3 gpm	110 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft 8 ft	R10216CA R10316CA R10416CA R10616CA S20716CA S21016CA S21416CA	6KXR2 6KXR3 6KXR4 6KXR5 6KXR6 6KXR7 6KXR8	# # # #
Rotary 1/3 1/3 1/2 3/4 11 11/2 11/2	Gear Pun hp hp hp hp hp hp hp hp	np Heads, W 1/4 in 1/4 in 1/2 in 1/2 in 1/2 in 1/2 in 1/2 in 1/2 in 3/4 in	lechanical 56C 56C 56C 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm 8.6 gpm 10.5 gpm	0.5 gpm 1.3 gpm 1.9 gpm 2.5 gpm 4.2 gpm 5.9 gpm 8.3 gpm 10.1 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm 8.3 gpm 10 gpm	110 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft 8 ft 9 ft	R10216CA R10316CA R10416CA R10616CA S20716CA S21016CA S21416CA S41716CA	6KXR2 6KXR3 6KXR4 6KXR5 6KXR6 6KXR7 6KXR8 6KXR9	# # # # #
Rotary 1/3 1/3 1/2 3/4 11 11/2 11/2 31	Gear Pun hp hp hp hp hp hp hp hp hp hp	np Heads, W 1/4 in 1/4 in 1/2 in 1/2 in 1/2 in 1/2 in 1/2 in 3/4 in 1/2 in	lechanical 56C 56C 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm 8.6 gpm 10.5 gpm 14.9 gpm	0.5 gpm 1.3 gpm 1.9 gpm 2.5 gpm 4.2 gpm 5.9 gpm 8.3 gpm 10.1 gpm 13.9 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm 5.8 gpm 10 gpm 13.7 gpm	110 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft 8 ft 9 ft 10 ft	R10216CA R10316CA R10416CA S20716CA S21016CA S21016CA S21416CA S41716CA S92316CA	6KXR2 6KXR3 6KXR4 6KXR5 6KXR6 6KXR7 6KXR8 6KXR9 6KXR9	# # # # #
Rotary 1/3 1/3 1/2 3/4 11 11/2 11/2 31 31	Gear Pun hp hp hp hp hp hp hp hp hp hp	np Heads, N 14 in 14 in 14 in 15 in 16 in 17 in1	lechanical 56C 56C 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm 8.6 gpm 10.5 gpm 14.9 gpm 14.9 gpm	0.5 gpm 1.3 gpm 1.9 gpm 2.5 gpm 4.2 gpm 5.9 gpm 8.3 gpm 10.1 gpm 13.9 gpm 18.8 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm 8.3 gpm 10 gpm 13.7 gpm 18.6 gpm	110 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft 8 ft 9 ft 10 ft 12 ft	R10216CA R10316CA R10416CA S20716CA S21016CA S21016CA S21416CA S92316CA S92316CA S93016CA	6KXR2 6KXR3 6KXR4 6KXR5 6KXR6 6KXR7 6KXR8 6KXR9 6KXR9 6KXT0	# # # # #
Rotary 1/3 1/3 1/2 3/4 1/2 3/4 1/2 3/4 1/2 3/1 3/1 3/1 3/1 5/1	Gear Pun hp hp hp hp hp hp hp hp hp hp	np Heads, N 14 in 14 in 14 in 12 in 12 in 12 in 12 in 34 in 112 in 112 in 112 in 112 in 112 in	lechanical 56C 56C 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm 8.6 gpm 10.5 gpm 14.9 gpm 19.6 gpm 22.4 gpm	0.5 gpm 1.3 gpm 2.5 gpm 4.2 gpm 5.9 gpm 8.3 gpm 10.1 gpm 13.9 gpm 18.8 gpm 21.6 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm 8.3 gpm 10 gpm 13.7 gpm 18.6 gpm 21.4 gpm	110 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft 8 ft 9 ft 10 ft 12 ft 15 ft	R10216CA R10316CA R10416CA R10616CA S20716CA S21016CA S21416CA S21416CA S92316CA S93016CA S93516CA	6KXR2 6KXR3 6KXR5 6KXR5 6KXR5 6KXR7 6KXR8 6KXR9 6KXT0 6KXT1	# # # # # #
Rotary 1/3 1/3 1/2 3/4 11/2 3/4 11/2 11/2 31 31 31 51 51	Gear Pun hp hp hp hp hp hp hp hp hp hp hp	The Heads, N 14 in 14 in 14 in 16 in 17 in 17 in 18 in 19 in	lechanical 56C 56C 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm 8.6 gpm 10.5 gpm 14.9 gpm 14.9 gpm	0.5 gpm 1.3 gpm 1.9 gpm 2.5 gpm 4.2 gpm 5.9 gpm 8.3 gpm 10.1 gpm 13.9 gpm 18.8 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm 8.3 gpm 10 gpm 13.7 gpm 18.6 gpm	110 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft 8 ft 9 ft 10 ft 12 ft	R10216CA R10316CA R10416CA S20716CA S21016CA S21016CA S21416CA S92316CA S92316CA S93016CA	6KXR2 6KXR3 6KXR4 6KXR5 6KXR6 6KXR7 6KXR8 6KXR9 6KXR9 6KXT0	# # # # #
Rotary 1/3 1/3 1/3 1/3 1/2 3/4 1/1 1/2 3/1 3/1 5/1 5/1 Close C	Gear Pun hp hp hp hp hp hp hp hp hp coupled N	np Heads, N 1/4 in 1/4 in 1/2 in 1	lechanical 56C 56C 56C 56C 56C 56C 56C 182TC 182TC 182TC 184TC 184TC 184TC	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm 8.6 gpm 10.5 gpm 14.9 gpm 19.6 gpm 22.4 gpm 29.5 gpm	0.5 gpm 1.3 gpm 2.5 gpm 4.2 gpm 5.9 gpm 8.3 gpm 10.1 gpm 13.9 gpm 18.8 gpm 21.6 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm 8.3 gpm 10 gpm 13.7 gpm 18.6 gpm 21.4 gpm	110 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft 8 ft 9 ft 10 ft 12 ft 15 ft	R10216CA R10316CA R10416CA R10616CA S20716CA S21016CA S21416CA S21416CA S92316CA S93016CA S93516CA	6KXR2 6KXR3 6KXR5 6KXR5 6KXR5 6KXR7 6KXR8 6KXR9 6KXT0 6KXT1	# # # # # #
Rotary 1/3 1/3 1/2 3/4 111 1/2 1/2 31 31 31 51 51 51 51 51 51 51	Gear Pun hp hp hp hp hp hp hp hp hp Coupled N e With Pu	np Heads, N 14 in 14 in 14 in 12 in 12 in 12 in 12 in 12 in 11 12 in 112 in	lechanical 56C 56C 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm 8.6 gpm 10.5 gpm 14.9 gpm 19.6 gpm 22.4 gpm 29.5 gpm R106	0.5 gpm 1.3 gpm 2.5 gpm 4.2 gpm 5.9 gpm 8.3 gpm 10.1 gpm 13.9 gpm 18.8 gpm 21.6 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm 8.3 gpm 10 gpm 13.7 gpm 18.6 gpm 21.4 gpm	110 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft 8 ft 9 ft 10 ft 12 ft 15 ft	R10216CA R10316CA R10416CA R10616CA S20716CA S21016CA S21416CA S21416CA S92316CA S93316CA S93316CA S93516CA	6KXR2 6KXR3 6KXR4 6KXR5 6KXR6 6KXR7 6KXR9 6KXR9 6KXR9 6KXT0 6KXT1 6KXT2 6KXT3	# # # # # #
Rotary ½ ½ ½ ½ ½ ½ ½ ¾ 11 1½ 1½ 34 11 1½ 31 31 51 Close C For Us For Us	Gear Pun hp hp hp hp hp hp hp hp coupled N e With Pt e With Pt	np Heads, N 1/4 in 1/4 in 1/2 in 1	lechanical 56C 56C 56C 56C 56C 56C 56C 56C	Seal 0.6 gpm 1.4 gpm 2.1 gpm 2.8 gpm 4.4 gpm 6.2 gpm 8.6 gpm 10.5 gpm 14.9 gpm 19.6 gpm 22.4 gpm 29.5 gpm R106	0.5 gpm 1.3 gpm 2.5 gpm 4.2 gpm 5.9 gpm 8.3 gpm 10.1 gpm 13.9 gpm 18.8 gpm 21.6 gpm	0.5 gpm 1.3 gpm 1.8 gpm 2.5 gpm 4.2 gpm 5.8 gpm 8.3 gpm 10 gpm 13.7 gpm 18.6 gpm 21.4 gpm	110 psi 150 psi	1.5 ft 2 ft 3 ft 4 ft 5 ft 6 ft 8 ft 9 ft 10 ft 12 ft 15 ft 17 ft	R10216CA R10316CA R10416CA R10416CA S20716CA S21016CA S21416CA S41716CA S92316CA S93316CA S93516CA S93516CA S93616CA	6KXR2 6KXR3 6KXR5 6KXR5 6KXR6 6KXR7 6KXR8 6KXR9 6KXT0 6KXT1 6KXT2 6KXT3 6KXT4	# # # # # #

* To convert to feel of head divide by 2.31. † 3-phase models are inverter-duty rated and meet NEMA MG 1 Part 31.4.4.2 in constant-and variable-lorque applications with a 20:1 turndown ratio; see page 150 for AC Adjustable Frequency Drives. # Oberdorfer Chemsteel brand.





6DHH7

Dayton

Hot Oil and Filtration Pumps

- Max. temp.: 375°F
- Max rpm: 1725

Bidirectional pumps feature all cast-iron construction and provide a near-pulseless flow in intermittent-duty commercial hot oil transfer applications. Nonclogging pumps have spur gears, and are able to pass nonabrasive particulates and reduce oil shear. Suitable for use in commercial fat fryers, filtration processes, and cooking oil waste removal. Not for use with waterbased fluids. Include motor with ODP enclosure, except 6DHH7 and 6DHH8.

Rotary Gear Pumps, Carbonator Mount Max. viscosity: 100 SSU

Rotary Gear Pump Heads, Carbonator Mount

Max. viscosity: 100 SSU

GPM Pumping Cooking Oil @ 300°F Max. Port Free Flow GPM @ 40 psi Suction Lift (ft.) ltem No. Size (NPT) GPM @ 50 psi ressure ΗP Voltage (psi) Amps Sea (gpm) **Rotary Gear Pumps, Carbonator Mo** 6DHH9 hp 115/230 6.0/3.0 115/230 8.4/4.2 1/2 in 1/2 in 4.1 apm 3.4 gpm 5.1 ft 40 psi Viton Lip 4.4 gpm 6.2 f 5.2 gpm 40 psi Silicone Lip 6DHJ0 Gear Pump Heads, Carbonator Mount Rota 6DHH7 4.4 apm 40 Viton Lip 5.2 gpm 6.2 4.1 gpm 3.4 gpm 40 Viton Lip 6DHH8

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