



**Most Trusted Traveling Irrigation Systems
Since 1964**



PRIMARY PUMPS



BOOSTER PUMPS



PTO PUMPS



SLURRY PUMPS

- **Kifco offers a wide range of companion pump packages to complete your system needs**
- **Standard models specifically designed to match your Water-Reel®**
- **Custom built packages for most any other application available**
- **Packages sized to function as the systems primary, booster, or transfer pump; or for specialty applications such as slurry and waste water reuse**
- **Pumps can be Water-Reel®, skid or trailer mounted; bare pumps are also available**
- **Pumps operate with diesel or gas engines or by PTO drives**



B110 with 9HP, Trailer Mounted Small Primary Pump Pictured

Pumps

Primary Pumps

Kifco's Primary Pumps are a pump & engine combination mounted on a rugged frame or trailer and are self-contained. Kifco's Primary Pumps are EPA emissions compliant for irrigation use and custom built packages can be ordered for most any application. See back page for Primary Pump/Water-Reel compatibility.



9 HP Small Primary Pump



37HP Primary w/ Optional Trailer



25HP Primary Pump

- Kifco's 5.5 - 23 HP Primary Pumps come standard on a small skid and feature electronic ignition, low flow shut-off, high temp blow off valve, fuel filter, air filter, muffler, choke and throttle to protect your investment and allow for safe operation. Trailer upgrade kits are also available on these models.
- Kifco's 48HP Primary Pump features low oil and high water temperature safety shutdown. The 37HP Primary Pump features fuel injection. Both the 37HP and 48HP Primary Pumps feature Murphy High/Low Switch for automatic shutdown, canopy roof enclosure and a 50 gallon fuel cell. Optional trailer upgrade kits offered.
- Our 25 and 56HP Primary Pumps are standard on a small trailer and equipped with hand primer and mechanical seal. Both models feature low oil, high water temperature safety shutdown.

Primary Pump Models and Performance Table													
Model	GPM	25	50	75	100	150	200	250	300	350	400	Discharge	Suction
5.5 HP	PSI	60	50	43	26							2" FNPT	2" MNPT*
9HP	PSI	80	70	60	50							2" FNPT	2.5" FNPT
21HP	PSI	280	230	190								2.5" FNPT	2" FNPT
23HP (Kohler)	PSI	105	103	97	83	65	40					2.5" FNPT	2.5" FNPT
23HP (Briggs)	PSI	110	108	103	95	81	67	50				2.5" FNPT	3" MNPT*
25HP	PSI	122	120	118	102	92	88					2.5" FNPT	4" MCMLK
56HP	PSI	193	192	190	183	175	165	150	129			4" F Ringlock	6" Bauer F
37HP	PSI	260	242	225	186	150	119	93				One 2.5" and Two 1.5" FNPT	2.5" NPT
48HP	PSI	228	228	228	224	209	182	147				One 2.5" and Two 1.5" FNPT	2.5" NPT
	GPM	25	50	75	100	150	200	250	300	350	400	For full performance, see individual spec sheets	

*Pump suction terminates with FNPT. With the standard feature of the #6 Tuf Skin Primer, suction terminates

Primary Pump Models Pump & Engine Combinations

Model	Engine	Pump	HP	Fuel Type
5.5 HP Primary	Honda Gx160	Franklin Electric ACGF-5	5.5	Gas
9HP Primary	Honda Gx270	Franklin Electric NSGF-8	9	Gas
21HP High Pressure Primary	Honda Gx630	Darley 1.5 AGE	21	Gas
23HP Primary (Kohler)	Kohler CH730	Franklin Electric ACGF-18	23	Gas
23HP Primary (Briggs)	Briggs & Stratton Vanguard	Franklin Electric NG 2 1/2	23	Gas
25HP Primary	Kohler KDW1404	Rovatti FL526/2F	25	Diesel
56HP Primary	Kohler KDI1903	Rovatti F43K80-90/4E	56	Diesel
37HP Primary	Briggs & Stratton VG V-Twin	Darley 2.5 AGE	37	Gas
48HP Primary	Kubota V1505	Darley 2.5AGE	48	Diesel

Additional pump models with higher volumes or pressure are available on a quote only basis. Consult Kifco for more information. For more detailed information on all standard model, see individual specification sheets.

PTO and Slurry Pumps

Standard PTO Pump Models and Performance Table

Model	GPM	50	60	70	80	90	100	150	200	250	300	350	400	450	500	600	700	800	1000	1200	1400	Discharge NPT (F)	Suction NPT (F)
D2/40	PSI HP	146 13	146 14	145 15	144 16	143 17	142 17	133 21														2"	2"
D1/50	PSI HP	90 9	90 9	90 10	91 10	91 11	91 13	90 15	87 17	82 19	76											2"	3"
D2/50	PSI HP	135 17	136 17	137 18	137 18	137 19	136 19	135 22	128 25	121 27												2"	3"
D3/50																						2"	3"
D2/65																						4"	4"
D3/65																						4"	4"
D2/80																						4"	5"
D04/80																						4"	5"
DMR80-3/2*																						4"	5"
D01/125																						5"	8"
540 RPM 1000 RPM	GPM	50	60	70	80	90	100	150	200	250	300	350	400	450	500	600	700	800	1000	1200	1400	Above details apply to fully fitted pumps	



- Ideal for highly mobile and temporary operations, especially when a spare tractor is available
- Kifco's PTO driven pumps are available as bare pumps, mounted on a cart or 3-point frame, or fully-fitted
- Driven from a PTO shaft with maximum tractor output of 540 or 1000 rpm

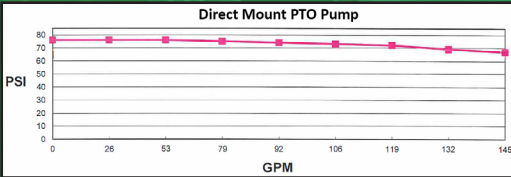
*Water cooled gearbox

Direct Mount PTO Pump

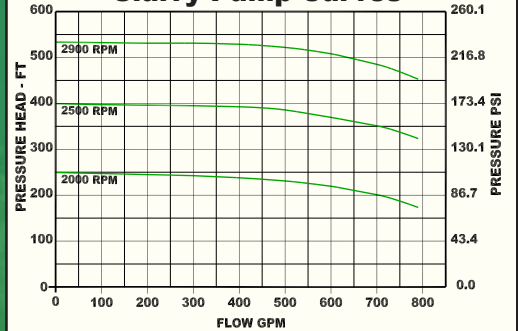
- Kifco's Direct Mount PTO pump mounts directly to your tractor's PTO and is compatible with most all B-Series Water-Reels



- Impeller and volute of the slurry water pumps are made of spheroidal graphite iron
- Chopper Kit/Rotating Knife option available on FRT Slurry Pumps
- Gooseneck fitting allows the pump discharge to be made in multiple directions without the need to move the pump



Slurry Pump Curves



Input RPM	Gear Ratio	Impeller Speed
540	1:5.7	3078
1000	1:3.2	3200
1800	1:1.76	3168
2000	1:1.55	3100
2000	1:1.38	2760

Booster Pumps

Booster pumps provide additional pressure to an existing water supply so that Water-Reels can run at higher pressures. The engine driven pumps feature high quality Honda (5.5, & 9HP), Kohler (9HP diesel and 23HP gas) and Briggs & Stratton (23HP and 37HP) engines. Most engine driven booster pumps are mounted on the Water-Reel. Stand alone boosters with electric start are also offered.



Booster Pump Models and Performance Table													
Model	GPM	25	50	75	100	150	200	250	300	350	400	Discharge	Suction
5.5 HP	PSI	63	55	43	35							2" FNPT	2" FNPT
9HP	PSI	82	75	69	55	35						2" FNPT	2" FNPT
23HP (Kohler)	PSI	110	104	100	84	70	43					3" FNPT	2.5" FNPT
23HP (Briggs)	PSI	118	110	108	92	85	70	52	32	12		3" FNPT	2.5" FNPT
37HP	PSI	262	244	227	187	152	120	95				One 2.5" and Two 1.5" FNPT	2.5" NPT
1HP STAND ALONE	PSI	12										1" FNPT	1.25" FNPT
5HP STAND ALONE	PSI	40	42	40	39	38	32					2" FNPT	2.5" FNPT
7.5HP STAND ALONE	PSI	53	54	54	53	50	44	31				2" FNPT	2.5" FNPT
	GPM	25	50	75	100	150	200	250	300	350	400	For full performance, see individual spec sheets	

Model	Engine	Pump
5.5 HP Booster	Honda Gx160	Franklin Electric ACGF-5
9HP Booster	Honda Gx270	Franklin Electric NSGF-8
23HP Booster (Kohler)	Kohler CH7360	Franklin Electric ACGF-18
23HP Booster (Briggs)	Briggs & Stratton Vanguard	Franklin Electric NG 2 1/2
37HP Booster	Briggs & Stratton VG V-Twin	Darley 2.5 AGE
1HP Booster	n/a	Davey BT 14/45
5HP Booster	n/a	Berkeley B2TPMS
7.5HP Booster	n/a	Berkeley B2TPMS

Booster and Primary Pump/Water-Reel Compatibility Table

	B/E1.10	B/E1.40	T/E1.80	T/E2.00S	E200SST	T/E200L	E200LST	T/E2.10	E2.10ST	T/E2.5x750	T/E2.7x980	T/E3.0x660	T/E3.0x980	T/E3.0x1200	T/E3.3x1120	E3.3x1050	T/E3.7x1080	T/E3.7x1220	T/E4.0x1250	T/E4.0x1320	T/E4.5x1150	T/E4.1x1476	T/E4.5x1250	
Reel Mounted Booster Pumps																								
5.5HP Booster		X	X	X	X	X	X	X	X															
9HP Booster		X	X	X	X	X	X	X	X	X	X	X												
23HP Booster (Kohler)											X	X	X	X	X									
23HP Booster (Briggs)											X	X	X	X	X									
37HP Booster																		X	X					
Stand Alone Booster Pumps																								
1HP Booster	X																							
5 HP Booster						X	X	X	X	X	X	X	X	X										
7.5HP Booster										X	X	X	X	X	X									
Primary Pumps																								
5.5HP Primary	X																							
9HP Primary	X	X																						
21HP Primary			X	X	X	X	X	X	X															
23HP Primary (Kohler)			X	X	X	X	X	X	X	X	X	X	X											
23HP Primary (Briggs)			X	X	X	X	X	X	X	X	X	X	X											
25HP Primary			X	X	X	X	X	X	X	X	X													
56HP Primary											X	X	X	X	X	X	X	X	X	X	X	X	X	X
37HP Primary			X	X	X	X	X	X	X	X	X													
48HP Primary										X	X	X	X	X	X									



Most Trusted Traveling Irrigation Systems Since 1964

- Over 50 years of experience designing, manufacturing and delivering traveling irrigation systems for every application
- Local sales and service through a network of authorized Kifco dealers across North America
- Kifco engineers and customer support technicians provide system design and troubleshooting for all Kifco products



WORLDWIDE SHIPPING



Kifco also offers numerous B-Series and Ag-Rain Water-Reels for sports fields, agricultural, dairy, municipal wastewater, polo and construction/dust suppression markets.



Please contact us or your local Kifco dealer:



700 S. Schrader Ave.
P.O. Box 290
Havana, IL 62644
800-452-7017 Toll Free
309-543-4425 Phone
309-543-4945 Fax

Revised 01/2020