

CORKEN CORO-FLO & CORO-VANE PUMPS

Coro-Vane Positive Displacement Plant Pumps



Coro-Vane® pumps are typically used for cylinder filling docks and bulk truck loading / unloading. Various mounting options include V-belt or direct drive with a gear reducer. Depending on the model, maximum pump speeds can run up to 950 rpm.

These pumps feature sliding vane technology for long life and consistent performance, replaceable liners, reversible side plates and a design that allows for easy seal replacement through one side of the pump.

Z2000HGAEUU

NEE #	NEE #(with base)	Max HP Rating	Max PSID	Capacity based on RPM	Inlet Size	Outlet Size	Shaft Size
Z2000HGAEUU	NLA	15	125	25-90 GPM	2"	2"	1 1/8"
521EGAJE	521EGAJE-103-9				2-1/2"		
1021EGAMM	1021EGAMM-103-10-215	20	40-200 GPM	3"	3"		
Z3500HGAMT	Z3500-103-10-254T	15	150	125-435 GPM	3" NPT (standard)	3" NPT (elongated)	
Z4500HGASP	Z4500EGASP-103-15	25			4" ANSI Flange	3" ANSI Flange	1 1/4"

Note: Capacities are based on 70° temperature, no pressure loss on pump suction and vapour equalized pumping conditions.

Coro-Vane Truck Pumps

Z-Series

The Z-Series Coro-Vane® Truck Pumps are specifically designed to perform in such severe operating conditions as high differential pressure, pump over speeding, poor suction and heavy thrust loads associated with a power take-off (PTO) drive system.

Advantages Include:

- Innovative cam design virtually eliminates cavitation.
- New materials utilized in cam and blades extend pump life.
- Large diameter, non-metallic pins are suitable for higher pump speeds.
- Locked rotor is factory set w/shim adjusted thrust bearings (rated @ 4,000+ lbs.)



Z3200HGAPGE

Z4200HGASEE

NEE #	Working Pressure	Max RPM	Max PSID	Capacity GPM at 50 PSID	Capacity GPM at 100 PSID	Inlet Size	Outlet Size	NEE # for Hydraulic Adapter
Z3200HGAPGE	400	800	125	121	110	3" ANSI Flange	2" NPT	COR 4496-x1
Z4200HGASEE				400	360	4" ANSI Flange		COR 4496-1x1

CORKEN COMPRESSORS

Compressors

Liquefied gas transfer on a large scale is more economically achieved with the use of a compressor than with a pump. Compressors are used to increase vapour pressure in the tank you wish to empty and push the liquid into a secondary tank that is the source of the product used to provide the vapour pressure. Once all the liquid is transferred, the 4 way valve allows you to switch to the vapour recovery mode and remove the residual liquid (liquid heel) and then pull the vapour pressure down to a level unachievable with a pump.

Corken is a world-wide leader in LP gas compressors and can also provide compressors for most industrial gas transfer applications. Available in various optional configurations, with distance pieces, liquid traps, switches, valves, etc.

Contact NEE for detailed specifications

107 Configuration



491 Configuration



NEE #	RPM Max.	Liquid Transfer GPM (LPM)	Piston Displacement CFM (CU Mtrs/Hr)	Max Driver Size (HP)	Pipe Diameter Vapour	Pipe Diameter Liquid
291AM3FBANSNN	825	88 (333)	16 (27.2)	15	3/4"	3/4"
491AM3FBANSNN		198 (749)	36 (16.2)		1 1/4"	1 1/4"
691AM3FBANSNN		330 (1249)	60 (102)	30	2"	1 1/2"
91AJ3FBANSNN		44 (166)	8 (13.6)	7 1/2	3/4"	3/4"

Note: Capacities are a guideline only. Consult NEE and the manufacturer's documentation for specifications.