Rotary screw

VRU

The **PARAMOUNT** series

15HP-300HP Electric Motor Driven Packages

"Vapor Recovery Re-imagined"



100%

0%



World Class Reliability + Efficiency = Value Gained

The Paramount Series applies industry leading design from the world's 3rd largest compressor manufacturer to gas compression in the USA, producing over 70,000 compressors every year.

<u>Reliability:</u> The Paramount Series utilizes the internationally patented "SKY" compressor airend. The only airend rotary screw technology design with 4 bearings on the discharge end of each airend rotor (two more bearings than all other gas compression brands). This unique bearing design extends the gas compressor airend life by over 300%.

<u>Efficiency:</u> The Paramount Series uses the latest rotor profiles cut on world-class Kapp grinding machines within the USA. These gas compressors have proven to be **25 - 40% more efficient** than every industry rotary screw gas compressor manufacturer, which gives end users **25 - 40% more gas flow** (MSCFD) for the same horsepower when compared to other brands OR provides the same gas flow (MSCFD) while consuming **25 - 40% less electrical energy**. That's \$15,000 to \$25,000 in electrical saving annually for every 150hp Vapor Recovery Unit operated.

» We manufacture 85% of the compressor components internally, ensuring quality and controlling costs.

The Paramount Series provides the strongest value in the Vapor Recovery Market and the first unit to offer a Return on Investment through industry leading longevity, reliability and energy savings!

SUPERIOR DESIGN

DIRECT DRIVE 1:1 DRIVE RATIO NO GEARBOX

Maximum Air Output & Reduced Energy Usage

- · Large, slow running airend
- Eliminates transmission energy losses
- Increases bearing life
- Flexible, easily removable coupling element



PREMIUM DISCHARGE BEARINGS

Longer Bearing Life/Quieter Operation

- The "PSKK" series direct drive air ends use four discharge bearings to absorb radial and axial loads
- Longer bearing life under all operating conditions
- · Increased load-carrying capacity

'PSKK' SERIES AIR END

Maximum Output with Less Energy Usage

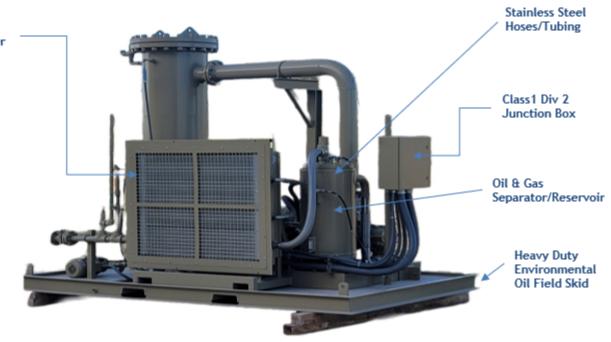
- Asymmetric 5 / 6 rotor profile with 100% SKF bearings
- KAPP Grinder rotor technology for tighter clearances and improved lubrication
- Flanged motor adapter ensures perfect coupling alignment

Additional Features & Benefits

- Rabbit fit housing to adapt the motor driver to the gas compressor airend eliminating any field alignment challenges or drive coupling misalignment concerns.
- ASME coded inlet scrubber with auto dump system at standard.
- Vane pack/mesh pack combination maximizing the inlet scrubber efficiency minimizing contamination of the gas compressor.
- 3 stage Tangential oil separation minimizing gas compressor oil carryover downstream into the sales line. Oil stays in the gas compressor where it belongs.
- Direct driven (1:1 ratio) motor and airend eliminating all gears while operating at the slowest speeds (rpm) in the industry.
- Class 1 Div. 2 Group C & D skid. (starter panel mounted remotely)
- Heavy Duty Skid Frame with Environmental Containment pan
- Oversized oil & gas heat exchangers minimizing maintenance & increasing reliability
- Experiencing 99% + uptime
- Stainless Steel Hoses / Tubing

Available Options:

- » Customizable packages
- » Class 1 Div. 2 Group C & D starter mounted on skid
- » Cold weather package
- » Drivelynx (cellular remote monitoring system) Asset Maintenance, Remote Troubleshooting & Optimization



Maximum Inlet Pressure - 10 PSIG Maximum Discharge Pressure - 200 PSIG									
Wiodei									
	НР	KW			@ 0 psig suction	Length	Width	Height	Lbs.
RAW-15	15	11	Direct	Coupled	89 MSCFD	6'-0"	6'-0"	10'	2000
RAW-20	20	15	Direct	Coupled	112 MSCFD	6'-0"	6'-0"	10'	2200
RAW-25	25	18	Direct	Coupled	173 MSCFD	7'-0"	6'-0"	10'	2350
RAW-30	30	22	Direct	Coupled	174 MSCFD	7'-0"	6'-0"	10'	2400
RAW-40	40	30	Direct	Coupled	284 MSCFD	7'-0"	6'-0"	10'	2500
RAW-50	50	37	Direct	Coupled	345 MSCFD	7'-0"	6'-0"	10'	2700
RAW-60	60	45	Direct	Coupled	416 MSCFD	9'-6"	6'-0"	10'	5500
RAW-75	75	55	Direct	Coupled	505 MSCFD	9'-6"	6'-0"	10'	6500
RAW-100	100	75	Direct	Coupled	643 MSCFD	9'-6"	6'-0"	10'	8500
RAW-125	125	90	Direct	Coupled	860 MSCFD	11'-6"	7'-0"	10'	8750
RAW-150	150	110	Direct	Coupled	1.04 MMSCFD	11'-6"	7'-0"	10'	9750
RAW-200	200	150	Direct	Coupled	1.2 MMSCFD	11'-6"	7'-0"	10'	10750
RAW-250	250	185	Direct	Coupled	1.7 MMSCFD	14'-6"	7'-0"	10'	12750
RAW-300	300	220	Direct	Coupled	2 MMSCFD	14'-6"	7'-0"	10'	15000

NOTES:

Performance is stated at 0 psig inlet, 68 degrees F inlet, 300 ft elevation and 1 specific gravity.



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