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Box Line Power Unit Upgrades

- Same footprint as existing DV-90 drive
- Same output size for easy installation
- Inverter rated motor option
- More delivered power



Problem:

Old Double Worm System

- Limited parts and unit availability
- Low operating efficiency
- Unit deterioration and breakdown
- Critical application
- Oil lubrication



Solution:

Sumitomo Cyclo® Bevel Buddybox

- Greater delivered torque
- Higher efficiency
- Readily available
- Integral or C-Face mounting designs
- More ratio flexibility
- Reliable grease lubrication

Performance Comparison

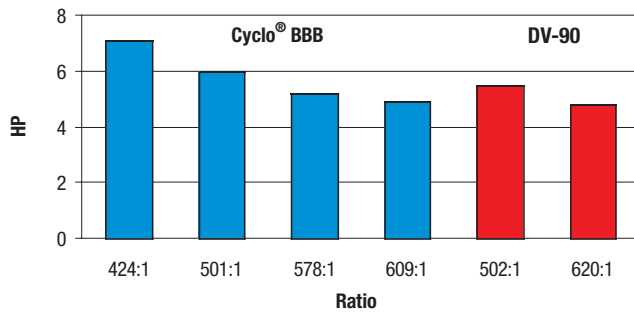
Specification	Sumitomo Cyclo® Bevel Buddybox				Delaval Delroyd DV-90	
	424:1	501:1	578:1	609:1	502:1	620:1
Ratio	424:1	501:1	578:1	609:1	502:1	620:1
HP Rating	7.11	6.01	5.21	4.94	5.48	4.83
Output Torque (in•lbs)	94702	94702	94702	94702	63700	60700
Efficiency	83.8%	83.8%	83.8%	83.8%	64.3%	56.3%
Output Shaft Dia. (in)	3.25	3.25	3.25	3.25	3.25	3.25
Output Torque @ 3 HP (in•lbs)	38411	45265	48008	55200	34935	37713
Output Torque @ 5 HP (in•lbs)	63941	75450	NA	NA	58225	NA
Output Speed (RPM)	4.13	3.50	3.03	2.87	3.48	2.82
FPM*	27.9	23.6	20.4	19.38	23.5	19.0

* Consult UPS Corporate PE Memo 027-99 before changing speeds. Based upon use of a 25.768 pitch diameter sprocket.

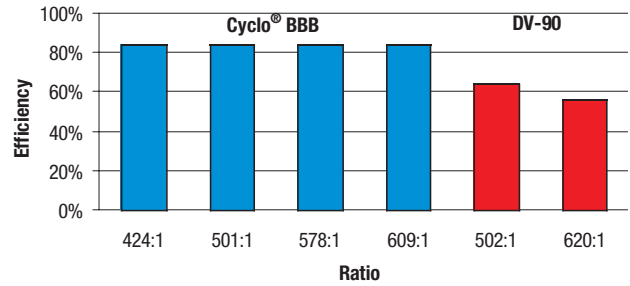
Sumitomo Cyclo® Bevel Buddybox

► Superior Performance

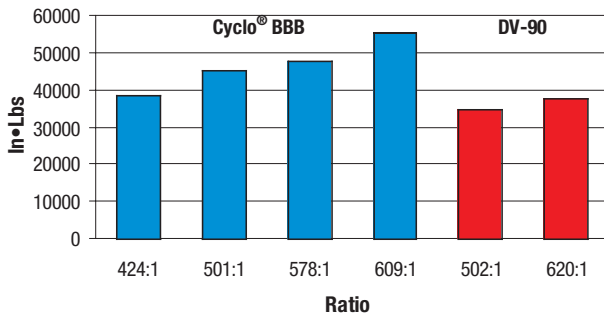
POWER RATINGS



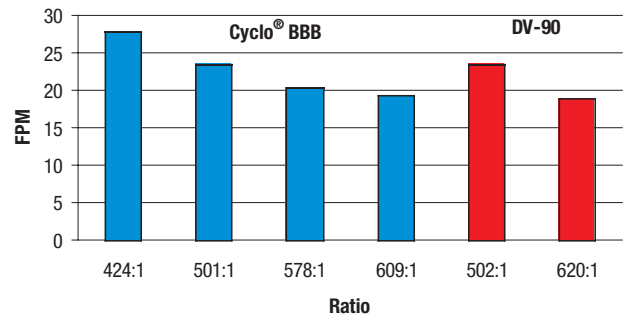
EFFICIENCY



DELIVERED TORQUE



LINE SPEED



► Innovative Design

