



DuraDrive Curtain and Vent Machines

Every DuraDrive delivers maximum power, minimal maintenance and unmatched durability for ultimate control of your ventilation program.



"The value of the DuraDrive comes in the reliability of it, and the nylon belt that gives you trouble free service."

Jake Peaster, Triple P Ranch

Worry-Free Ventilation Control

After decades of controlling house curtains and vents with heavy, labor intensive screw jack machines, Diversified has revolutionized ventilation management with our family of long-life, low-maintenance DuraDrive machines. The Standard and G3 DuraDrive models open and close curtains and vents with precision for optimized control during every ventilation cycle.



MOST POWERFUL CURTAIN/
VENT MACHINE ON THE MARKET
(standard model)

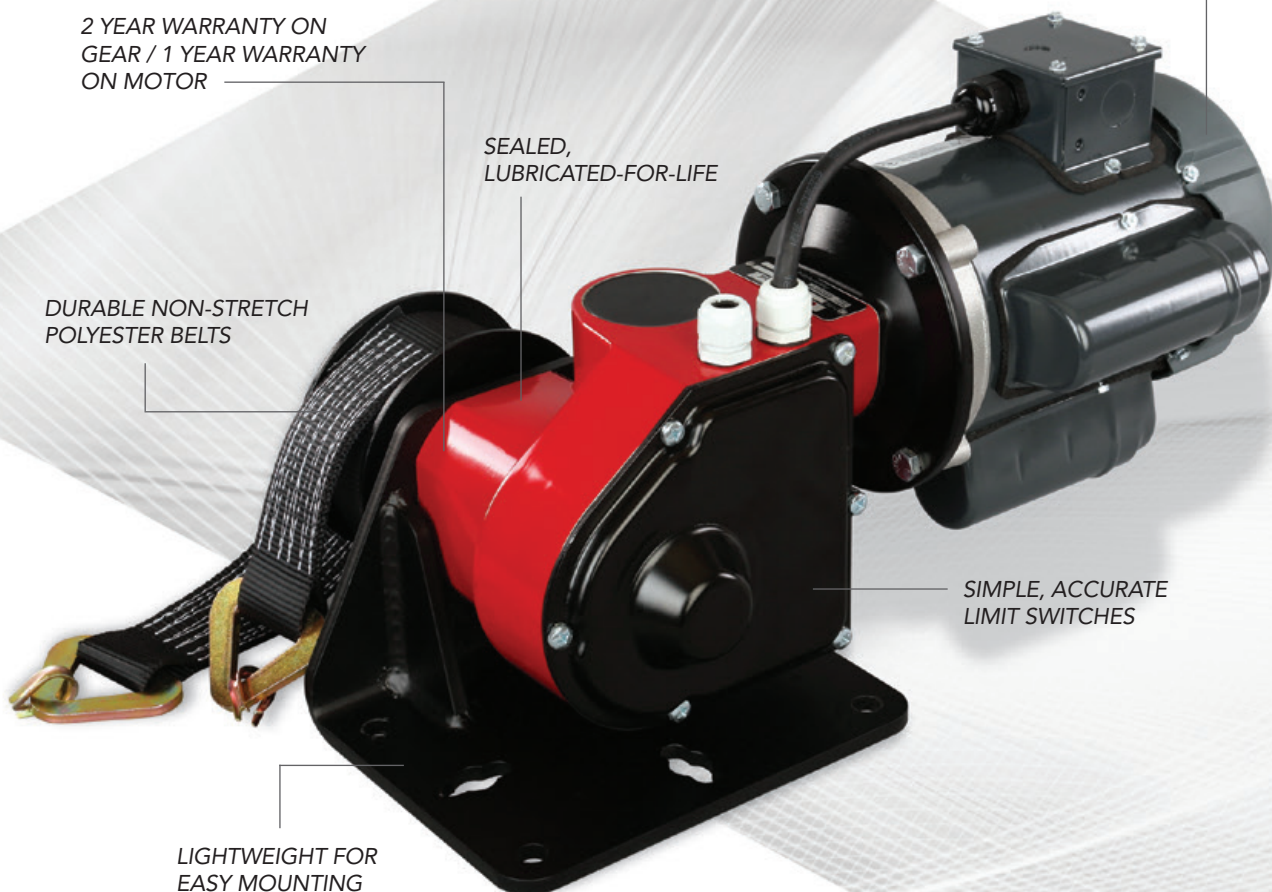
2 YEAR WARRANTY ON
GEAR / 1 YEAR WARRANTY
ON MOTOR

SEALED,
LUBRICATED-FOR-LIFE

DURABLE NON-STRETCH
POLYESTER BELTS


SIMPLE, ACCURATE
LIMIT SWITCHES

LIGHTWEIGHT FOR
EASY MOUNTING



DURADRIVE FEATURES

BENEFITS

	Is totally sealed and lubricated for life	No regular maintenance required
	Heavy duty design and construction	Withstands harsh conditions
	Durable non-stretch polyester belts	Long life span, withstands animal housing and outdoor conditions
	To set limit switches, simply loosen four screws and slide smooth adjustment pins on friction plates	Quick and easy set-up, high level of accuracy
	G3 model comes potentiometer ready for optional kit, standard model can be ordered with potentiometer	Easy set up for controllers that require potentiometer feedback
	Can be mounted in any direction, on wall or ceiling, with belts on top, bottom or side	Versatile design, fits in any house
	Internal manual open/close switches: no extra power lead required. When on manual, LED light illuminates the moment the limit switch is tripped.	Enables single-person installation and limit switch set-up, saving time and money
	Internal safety switch	Prevents overriding of the limit switches to avoid costly errors
	All circuitry, switches and relays are incorporated onto one printed circuit board which is coated and sealed	PCB delivers simplicity and maximum reliability
	Dual shaft configuration available	Ideal for reliable curtain rollups and other applications

APPLICATION SPECIFICATIONS

	G2	G3 450	G3 250	G3 150
Lifts Curtains (cabled 1:1)	500 Ft Long	500 Ft Long	250 Ft Long	125 Ft Long with 1500:1 125 Ft Long with 2850:1
Inlet Vents	100 (cabled 2:1 to slow)	100 (cabled 2:1 to slow)	50 (cabled 2:1 to slow)	25 w/ 1500:1 25 w/ 2850:1 (cabled 1:1)
Tunnel Doors (cabled 1:1)	240 Ft Long	240 Ft Long	120 Ft Long	Not Recommended

G3 650 applicable for lifting nests, chain feeders, and multiple feed-Lines

TECHNICAL SPECIFICATIONS

	G3 650	G2	G3 450	G3 250	G3 150 (1500:1 & 2850:1)
Torque	650 Nm (5800 lb in)	450 Nm (4000 lb in)	450 Nm (4000 lb in)	250 Nm (2200 lb in)	150 Nm (1300 lb in)
Gear Ratio	750:1 or 500:1	800:1	750:1	750:1	1500:1 or 2850:1
Shaft RPM	2.1 rpm or 3.2	2.1 RPM	2.2 RPM	2.2 RPM	1.1 RPM or .57 RPM
Belt Speed (average)	24 or 36 in/min	24 in/min	24 in/min	24 in/min	12 in/min or 6 in/min
Power	7,500 ft lbs/min	5,000 ft lbs/min	5,000 ft lbs/min	2,500 ft lbs/min	1250 ft lbs/min
Pulls	3,500 lbs @ 2 ft/min 2,500 lbs @ 3 ft/min	2,500 lbs @ 2 ft/min	2,500 lbs @ 2 ft/min	1,250 lbs @ 2ft/min	1,250 lbs @ 12 in/min 1,250 lbs @ 6 in/min
Motor	3/4 Hp 230V 1 Phase 60 Hz 230/460V 3 Ph 60/50 Hz	1/3 Hp 115V 1 Phase 230V 1 Phase 60 Hz 230/460V 3 Ph 60/50 Hz	1/3 Hp 115V 1 Phase 230V 1 Phase 60 Hz 230/460V 3 Phase 60/50 Hz	1/4 Hp 115V 1 Phase 230V 1 Phase 60 Hz 230V 3 Phase 60 Hz	1/4 Hp 115V 1 Phase 230V 1 Phase 60 Hz 230V 3 Phase 60 Hz



"Low maintenance is the big thing, plus the durability and strength of the machine. The DuraDrive outperforms a screw machine hands down. It has considerably much more power. And installation is so much easier because it's so much lighter."

Curt Dietz, Ag Depot

Diversified Agriculture LLC
556 Industrial Way West
Eatontown, NJ 07724

732.363.2333
Toll Free: 1.800.348.6663
Fax: 732.905.7696

DiversifiedAg.com



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