



NAVISTAR®

Tomorrow's Technology Today



DM Advantage® Two-Speed Fan Drives

The advantage is yours with the best, proven solution for the highest-heat under-hood conditions. DM Advantage Fan Drives keep engine coolant at optimum temperature, provide better engine performance, save fuel and reduce operating noise. Constructed using durable, advanced components, the DM Advantage is backed by Horton's superior warranty program.

Stratis® Direct Sensing Fan Drives
Sales/Spec Code: 12THX

DM Advantage Two-Speed Fan Drives
Sales/Spec Code: 12THT

VMaster® VS217 Direct Sensing Fan Drives
Sales/Spec Code: 12THG

- Alternates between eddy current and spring-actuated cooling
- Eddy current turns the fan at low speeds, reducing operating noise, increasing available horsepower for auxiliary systems, and minimizing radiator abrasion from dust and debris
- When additional cooling is needed, the fan drive spring actuates, running the fan at full input speed
- Reduced fan cycling increases friction liner life and improves fuel economy
- Better engine temperature control for vehicles with little to no ram air
- Reduces fan cycling up to 85%
- Improves fuel economy
- Reduces noise

Premium Bearing vs. Deep-Groove Hub Bearing

DM Advantage Bearing

- A double-row contact bearing (1 needed)
- 14 rolling elements per row
- Highest load capacity
- High contact angle – withstands more thrust load
- Dual-lip Viton® seals
- Highly heat-resistant grease
- Size: 45 mm ID x 85 mm OD x 39 mm length

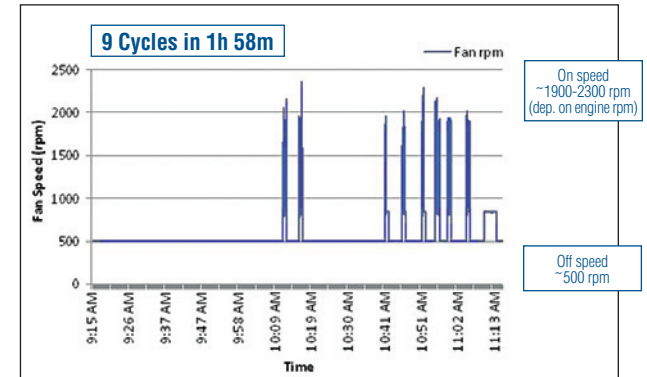


Competitive Rear (Current Hub Bearing)

- Deep-groove bearings
- 9 rolling elements per row
- Low load capacity
- Not preloaded
- Size: 45 mm ID x 85 mm OD x 19 mm length



Fan Speed Over Time with DM Advantage Two-Speed Fan Drive (August 18, 2009, New Jersey)



Engine **Cooling Solutions** Worldwide®



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Navistar EPA 2010 | Horton Application Guide and Cross-Reference



NAVISTAR



Engine	Truck Models	Specific Model (if applicable)	Cab Height / Engine Rating (if applicable)	Product Type	Navistar Part Number	Horton Part Numbers		Fan		Navistar Spec Code			
						Production #	Aftermarket #	Production #	Aftermarket #				
MF 11/13	Prostar			Stratis®	3893209C91	9806017	9906017	986813GC2-001	996813GC2-001	12THX			
	Paystar			Stratis	3893209C91	9806017	9906017	986813GC2-001	996813GC2-001	12THX			
	Transtar			Stratis	3893209C91	9806017	9906017	986813GC2-001	996813GC2-001	12THX			
	Workstar	7600 / 7700			Two-Speed 5 in. Pilot	3834443C92	98A9757	99A9757	BorgWarner® 32" XD11	BorgWarner 32" XD11	12THT		
					Two-Speed 2.56 in. Pilot		98A9562-2	99A9562-2	BorgWarner 32" XD11	BorgWarner 32" XD11	12THT		
					Two-Speed with Lockup	3959486C91	98A8146	99A8146	BorgWarner 32" XD11	BorgWarner 32" XD11	12THT		
	Cat CT660				Journal Bracket	3879325C3	98A4193	99A4624	BorgWarner 32" XD11	BorgWarner 32" XD11	12THT		
					Pulley	3879328C1	98A4194	99A4623					
					Two-Speed Clutch Pack	3879329C2	98A4221	99A4636					
	Lonestar				Journal Bracket	3879325C3	98A4193	99A4624	BorgWarner 32" XD11	BorgWarner 32" XD11	12THT		
Pulley					3879328C1	98A4194	99A4623						
Two-Speed Clutch Pack					3881234C1	98A4228	99A4641						
ISX 15	Prostar			Two-Speed	6101420C91	98A9750	99A9750	3809753C2	BorgWarner 32" XD11	12THT			
	Paystar	5900 SBA		Two-Speed	4020256C91	98A9635	99A9635	3820083C1	BorgWarner 32" XD11	12THT			
	9900			Two-Speed	4020257C91	98A9634	99A9634	3820083C1	BorgWarner 32" XD11	12THT			
ISL-G	Transtar			Two-Speed	3984260C93	98A8145	99A8145	3714726C1	BorgWarner 32" XD11	12THT			
	LoadStar			Two-Speed	3982067C91	98A8156	99A8156	BorgWarner 29" 11 blade	BorgWarner 29" 11 blade	12THT			
MF DT / 466ST	Workstar	7300 / 7400 / 7500	Mid / 245-260 HP or High / 270-300 HP - 2 ACC Belts	Two-Speed	3848975C91	98A9742	99A9742	3681266C1		12THT			
				Journal Bracket	3611889C93	98A164	99A976	3609121C1	993762501	12THT			
		Pulley	3611892C94	98A4167	99A4619								
		Two-Speed Clutch Pack	3611885C93	98A160	99A972								
		7300	Mid / 215-230 HP			Journal Bracket	3611889C93	98A164	99A976	3609121C1	993762501	12THT	
						Pulley	3611891C94	98A4166	99A4618				
						Two-Speed Clutch Pack	3611885C93	98A160	99A972				
						Journal Bracket	3611889C93	98A164	99A976				
		7400 / 7500	Mid / 270-300 HP			Pulley	3611891C94	98A4166	99A4618	3609121C1	993762501	12THT	
						Two-Speed Clutch Pack	3611885C93	98A160	99A972				
	Journal Bracket					3611889C93	98A164	99A976					
	DuraStar	4300 / 4400			VS217	3872294C92	452100120101	99452100120101			12TTG		
					Journal Bracket	3611886C93	98A161	99A973	3609121C1	993762501	12THT		
		Pulley	3611891C94	98A4166	99A4618								
		Two-Speed Clutch Pack	3611885C93	98A160	99A972								
		4300	Low / 215-230 HP			Journal Bracket	3611891C94	98A4166	99A4618	3609121C1	993762501	12THT	
						Pulley	3611885C93	98A160	99A972				
						Two-Speed Clutch Pack	3611885C93	98A160	99A972				
			Low / 245-260 HP				Journal Bracket	3705250C91	98A4182	99A4615	3609121C1	993762501	12THT
							Pulley	3611891C94	98A4166	99A4618			
							Two-Speed Clutch Pack	3611885C93	98A160	99A972			
		4400	Mid / 215-230 HP			Journal Bracket	3687054C91	98A4192	99A4621	3609121C1	993762501	12THT	
						Pulley	3611892C94	98A4167	99A4619				
			Mid / 245-260 HP				Journal Bracket	3611891C94	98A4166	99A4618	3609121C1	993762501	12THT
Pulley							3611885C93	98A160	99A972				
Integrated conv bus / PT	4400				Journal Bracket	3687054C91	98A4192	99A4621	3609121C1	993762501	12THT		
					Pulley	3611891C94	98A4166	99A4618					
					Two-Speed Clutch Pack	3611885C93	98A160	99A972					
					Journal Bracket	3611886C93	98A161	99A973					
	CE300	Low / 215-230 HP				Pulley	3611891C94	98A4166	99A4618	3609121C1	993762501	12THT	
						Two-Speed Clutch Pack	3611885C93	98A160	99A972				
		Low / 245-260 HP					Journal Bracket	3705250C91	98A4182	99A4615	3609121C1	993762501	12THT
							Pulley	3611891C94	98A4166	99A4618			
					Two-Speed Clutch Pack	3611885C93	98A160	99A972					
					Journal Bracket	3611886C93	98A161	99A973					
MF9 / 570ST	Workstar	7400 / 7500	High / 300-330 HP - 2 ACC Belts	Two-Speed	3848973C91	98A9743	99A9743	3681266C1		12THT			
				Journal Bracket	3687054C91	98A4192	99A4621	3609121C1	993762501	12THT			
	Pulley	3611890C94	98A4165	99A4617									
	Two-Speed Clutch Pack	3611885C93	98A160	99A972									
Durastar	4400				Journal Bracket	3687054C91	98A4192	99A4621	3609121C1	993762501	12THT		
					Pulley	3611891C94	98A4166	99A4618					
MF10 / 570 HT	Workstar	7400 / 7500	High / 310-350 HP - 2 ACC Belts	Two-Speed	3848973C91	98A9743	99A9743	3681266C1		12THT			
				Journal Bracket	3687054C91	98A4192	99A4621						
All Modulators				Main Nut	3587141C91	984153	994931			12THT			