

Air Moving Components

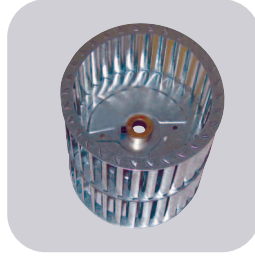
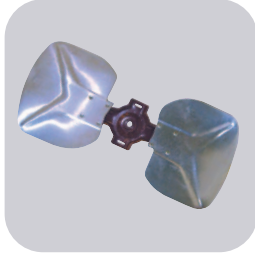


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3 Wing Adapter Heavy Duty Condenser Fan Blades

airMARS 3 wing adapter, heavy duty condenser fan blades are designed for rigorous R/HVAC low pressure applications. They will accommodate universal hex/round adapter hubs.

airMARS adapter fan blades are durable, efficient & quiet. They are manufactured using high strength aluminum alloy for the blades & sturdy steel for the blade spiders.

Blade depths and pitches specified for airMARS adapter fan blades allow for the replacement of a broad range of commonly used fan blades.

Typical applications are:

- Air Cooled Condensers
- Power Roof Ventilators
- Residential Air Conditioners
- Unit Heaters
- Heat Pumps
- Fan Coil Units
- Roof Top Air Conditioners



3 Wing Adapter Heavy Duty Condenser Fan Blades (cont.)

Universal Hex Adapter Hubs on page AM-10

MARS NO.	MODEL NO.	BLADE DIA.	PITCH DEG.	BLADE DEPTH	STATIC PRESSURE .10"			STATIC PRESSURE .30"			MARS PACK
					RPM	CFM	BHP	RPM	CFM	BHP	
40043 40044	1827-3CW	18	27	4.31	825	1711	0.08	825	637	0.12	2
	1827-3CCW				1075	2305	0.12	1075	1312	0.17	
40065 40066	1830-3CW	18	30	4.75	825	1882	0.09	825	794	0.14	2
	1830-3CCW				1075	2502	0.14	1075	1526	0.19	
40045 40046	1833-3CW	18	33	5.17	825	1993	0.11	825	914	0.15	2
	1833-3CCW				1075	2682	0.17	1075	1681	0.22	
40047 40048	2024-3CW	20	24	3.86	825	2306	0.12	825	1290	0.16	2
	2024-3CCW				1075	3052	0.18	1075	2063	0.22	
40049 40050	2028-3CW	20	28	4.47	825	2639	0.14	825	1513	0.18	2
	2028-3CCW				1075	3473	0.22	1075	2462	0.26	
40068	2031-3CCW	20	31	4.91	825	2884	0.16	825	1707	0.21	2
					1075	3790	0.26	1075	2727	0.30	
40051 40052	2033-3CW 2033-3CCW	20	33	5.17	825	3035	0.19	825	1851	0.23	2
					1075	3993	0.29	1075	2854	0.34	
40053 40054	2227-3CW 2227-3CCW	22	27	4.31	825	3383	0.18	825	2111	0.26	2
					1075	4478	0.28	1075	3323	0.34	
40069 40024	2230-3CW 2230-3CCW	22	30	4.75	825	3580	0.21	825	2376	0.31	2
					1075	4951	0.34	1075	3807	0.39	
40055 40056	2233-3CW 2233-3CCW	22	33	5.17	825	3982	0.26	825	2639	0.35	2
					1075	5259	0.41	1075	3978	0.48	
40057 40058	2426-3CW 2426-3CCW	24	26	4.17	825	4433	0.27	825	3028	0.33	2
					1075	5793	0.43	1075	4792	0.46	
40059 40060	2433-3CW 2433-3CCW	24	33	5.17	825	5287	0.40	825	3772	0.46	2
					1075	6906	0.65	1075	5782	0.68	
					1140	7607	0.96	1140	6763	1.00	

MAX RPM 10"- 18" DIA. 1725 RPM 20"-24" DIA. 1140RPM

Universal Hex Adapter Hubs on page AM-10

MARS NO.	MODEL NO.	BLADE DIA.	PITCH DEG.	BLADE DEPTH	STATIC PRESSURE .10"			STATIC PRESSURE .30"			MARS PACK
					RPM	CFM	BHP	RPM	CFM	BHP	
40030	1223-3CCW	12	23	1.88	825	209	0.01	825	N.A.	N.A.	2
					1075	385	0.02	1075	N.A.	N.A.	
					1725	769	0.05	1725	580	0.07	
40031	1227-3CW	12	27	2.19	825	289	0.01	825	N.A.	N.A.	2
					1075	468	0.02	1075	N.A.	N.A.	
					1725	914	0.07	1725	714	0.09	
40033 40034	1423-3CW 1423-3CCW	14	23	2.67	825	568	0.02	825	N.A.	N.A.	2
					1075	892	0.04	1075	N.A.	N.A.	
					1725	1573	0.16	1725	1387	0.17	
40035 40036	1427-3CW 1427-3CCW	14	27	3.06	825	664	0.03	825	N.A.	N.A.	2
					1075	1006	0.05	1075	531	0.08	
					1725	1757	0.21	1725	1568	0.23	
40038	1622-3CCW	16	22	2.94	825	748	0.03	825	N.A.	N.A.	2
					1075	1164	0.06	1075	481	0.08	
					1725	2039	0.23	1725	1815	0.25	
40039 40040	1627-3CW 1627-3CCW	16	27	3.56	825	1064	0.05	825	110	0.06	2
					1075	1525	0.10	1075	969	0.11	
					1725	2601	0.39	1725	2401	0.41	
40041 40042	1823-3CW 1823-3CCW	18	23	3.70	825	1202	0.06	825	464	0.10	2
					1075	1870	0.10	1075	972	0.13	
					1725	2487	0.32	1725	2629	0.33	

MAX RPM 10"- 18" DIA. 1725 RPM

4 Wing Adapter Heavy Duty Condenser Fan Blades

airMARS 4 wing adapter, heavy duty condenser fan blades are designed for rigorous R/HVAC pressure applications. They will accommodate universal hex/round adapter hubs for unlimited versatility. airMARS adapter fan blades are durable, efficient, and quiet. They are manufactured using high strength aluminum alloy for the blades and sturdy steel for the blade spiders.



Blade depths and pitches specified for airMARS adapter fan blades allow for the replacement of a broad range of commonly used fan blades.

Typical applications are:

- Air Cooled Condensers
- Power Roof Ventilators
- Residential Air Conditioners Unit Heaters
- Heat Pumps
- Fan Coil Units
- Roof Top Air Conditioners

4 Wing Adapter Heavy Duty Condenser Fan Blades (cont.)

Universal Hex Adapter Hubs on page AM-10

MARS NO.	MODEL NO.	BLADE DIA.	PITCH DEG.	BLADE DEPTH	STATIC PRESSURE .10"			STATIC PRESSURE .30"			MARS PACK
					RPM	CFM	BHP	RPM	CFM	BHP	
40082	1423-4CW	14	23	2.672	825	580	0.02	825	N.A.	N.A.	2
					1075	890	0.04	1075	440	0.06	
					1625	1470	0.14	1625	1100	0.13	
40084 40085	1427-4CW 1427-4CCW	14	27	3.063	825	650	0.02	825	N.A.	N.A.	2
					1075	970	0.04	1075	550	0.06	
					1625	1600	0.15	1625	1320	0.15	
40086	1433-4CW	14	33	3.672	825	780	0.04	825	120	0.05	2
					1075	1180	0.07	1075	730	0.10	
					1625	1940	0.18	1625	1730	0.19	
40088 40089	1623-4CW 1623-4CCW	16	23	3.063	825	1050	0.05	825	450	0.06	2
					1075	1520	0.08	1075	890	0.11	
					1625	2480	0.26	1625	2150	0.27	
40090 40091	1627-4CW 1627-4CCW	16	27	3.563	825	1180	0.07	825	730	0.10	2
					1075	1670	0.09	1075	1130	0.14	
					1625	2700	0.29	1625	2350	0.32	
40092	1633-4CW	16	33	4.281	825	1420	0.05	825	930	0.09	2
					1075	2020	0.12	1075	1250	0.16	
					1625	3190	0.44	1625	2490	0.46	
40132	1819-4CW	18	19	3.09	825	1318	0.06	825	646	0.09	2
					1075	1815	0.08	1075	1080	0.13	
					1140	2802	0.50	1140	1196	0.53	
40094 40095	1823-4CW 1823-4CCW	18	23	3.703	825	1630	0.07	825	860	0.11	2
					1075	2160	0.12	1075	1470	0.17	
					1140	2310	0.14	1140	1780	0.19	
40096 40097	1827-4CW 1827-4CCW	18	27	4.313	825	1810	0.09	825	950	0.12	2
					1075	2430	0.15	1075	1820	0.19	
					1140	2690	0.18	1140	2250	0.26	
40135	1830-4CCW	18	30	4.75	825	1991	0.11	825	1132	0.14	2
					1075	2700	0.16	1075	1827	0.21	
					1140	2990	0.78	1140	2023	0.84	
40098 40099	1833-4CW 1833-4CCW	18	33	5.172	825	2150	0.12	825	1300	0.16	2
					1075	2880	0.20	1075	1970	0.25	
					1140	3190	0.28	1140	2240	0.29	
40100 40101	2023-4CW 2023-4CCW	20	23	3.703	825	2120	0.13	825	1080	0.15	2
					1075	3120	0.24	1075	2150	0.26	
					1140	3110	0.25	1140	2360	0.30	

MAX RPM 10"- 16" DIA. 1725 RPM 18"-26" DIA. 1140 RPM

Universal Hex Adapter Hubs on page AM-10

MARS NO.	MODEL NO.	BLADE DIA.	PITCH DEG.	BLADE DEPTH	STATIC PRESSURE .10"			STATIC PRESSURE .30"			MARS PACK
					RPM	CFM	BHP	RPM	CFM	BHP	
40070 40071	1023-4CW 1023-4CCW	10	23	2.28	825	100	0.008	825	N.A.	N.A.	2
					1075	250	0.009	1075	N.A.	N.A.	
					1625	550	0.03	1625	350	0.04	
40072 40073	1027-4CW 1027-4CCW	10	27	2.64	825	150	0.007	825	N.A.	N.A.	2
					1075	300	0.01	1075	N.A.	N.A.	
					1625	600	0.03	1625	400	0.04	
40074 40075	1033-4CW 1033-4CCW	10	33	3.16	825	220	0.01	825	N.A.	N.A.	2
					1075	360	0.02	1075	N.A.	N.A.	
					1625	720	0.06	1625	480	0.09	
40076 40077	1223-4CW 1223-4CCW	12	23	2.28	825	260	0.01	825	N.A.	N.A.	2
					1075	450	0.03	1075	140	0.04	
					1625	890	0.08	1625	480	0.11	
40078	1227-4CW	12	27	2.64	825	300	0.01	825	N.A.	N.A.	2
					1075	570	0.03	1075	N.A.	N.A.	
					1625	1010	0.07	1625	790	0.09	
40080 40081	1233-4CW 1233-4CCW	12	33	3.16	825	410	0.02	825	N.A.	N.A.	2
					1075	690	0.03	1075	380	0.06	
					1625	1210	0.12	1625	960	0.12	

MAX RPM 10"- 16" DIA. 1725 RPM

continued on next page

4 Wing Adapter Heavy Duty Condenser Fan Blades (cont.)

Universal Hex Adapter Hubs on page AM-10

MARS NO.	MODEL NO.	BLADE DIA.	PITCH DEG.	BLADE DEPTH	STATIC PRESSURE .10"			STATIC PRESSURE .30"			MARS PACK
					RPM	CFM	BHP	RPM	CFM	BHP	
40102 40103	2027-4CW 2027-4CCW	20	27	4.313	825	2340	0.14	825	1250	0.17	2
					1075	3250	0.26	1075	2550	0.32	
					1140	3430	0.28	1140	2820	0.41	
40137 40138	2029-4CW 2029-4CCW	20	29	4.63	825	2975	0.02	825	2022	0.25	2
					1075	3706	0.03	1075	2934	0.36	
					1140	4286	0.13	1140	3760	0.51	
40104 40105	2033-4CW 2033-4CCW	20	33	5.172	825	3170	0.17	825	1650	0.26	2
					1075	3880	0.39	1075	3095	0.44	
					1140	4120	0.45	1140	3210	0.49	
40106 40107	2223-4CW 2223-4CCW	22	23	3.703	825	3070	0.18	825	1990	0.23	2
					1075	4120	0.37	1075	3580	0.46	
					1140	4400	0.40	1140	3900	0.50	
40108 40109	2227-4CW 2227-4CCW	22	27	4.313	825	3560	0.21	825	2260	0.27	2
					1075	4780	0.44	1075	4270	0.54	
					1140	5210	0.44	1140	4640	0.57	
40110 40111	2233-4CW 2233-4CCW	22	33	5.172	825	4230	0.30	825	2450	0.37	2
					1075	5210	0.60	1075	4600	0.69	
					1140	5860	0.74	1140	5220	0.80	
40139	2235-4CW	22	35	5.44	825	4431	0.32	825	3197	0.42	2
					1075	5932	0.51	1075	4778	0.60	
					1140	6385	0.75	1140	5624	0.81	
41816	2420-4CW	24	20	3.25	825	3648	0.20	825	2857	0.28	2
					1075	1848	0.33	1075	4296	0.40	
					1140	5199	0.48	1140	4781	0.57	
40112 40113	2423-4CW 2423-4CCW	24	23	3.703	825	3700	0.22	825	2280	0.30	2
					1075	5200	0.45	1075	4340	0.54	
					1140	5400	0.53	1140	4600	0.61	
40114 40115	2427-4CW 2427-4CCW	24	27	4.313	825	4300	0.34	825	2860	0.36	2
					1075	5900	0.55	1075	5170	0.64	
					1140	6220	0.66	1140	5500	0.75	
40116 40117	2433-4CW 2433-4CCW	24	33	5.172	825	4800	0.39	825	3000	0.50	2
					1075	6600	0.85	1075	5820	0.92	
					1140	7100	1.02	1140	6310	1.10	
40145 40146	2624-4CW 2624-4CCW	26	24	3.86	825	5383	0.39	825	4399	0.47	2
					1075	7129	0.61	1075	6376	0.70	
					1140	7629	0.89	1140	7099	1.00	
40118 40119	2627-4CW 2627-4CCW	26	27	4.313	825	5300	0.43	825	3590	0.51	2
					1075	7110	0.92	1075	6550	1.02	
					1140	7520	1.12	1140	7180	1.20	
40120	2633-4CW	26	33	5.172	825	6050	0.52	825	4220	0.58	2
					1075	8200	1.13	1075	7250	1.18	
					1140	8810	1.30	1140	8100	1.42	

MAX RPM 10"-16" DIA. 1725 RPM 18"-26" DIA. 1140 RPM

5 Wing Adapter Heavy Duty Condenser Fan Blades

airMARS 5 wing adapter, heavy duty condenser fan blades are designed for rigorous R/HVAC pressure applications. They will accommodate universal hex/round adapter hubs for unlimited versatility. airMARS adapter fan blades are durable, efficient, and quiet. They are manufactured using high strength aluminum alloy for the blades and sturdy steel for the blade spiders.

Blade depths and pitches specified for airMARS adapter fan blades allow for the replacement of a broad range of commonly used fan blades.

Typical applications are:

- Air Cooled Condensers
- Roof Top Air Conditioners
- Residential Air Conditioners Unit Heaters
- Heat Pumps
- Fan Coil Units
- Power Roof Ventilators



Universal Hex Adapter Hubs on page AM-10

MARS NO.	MODEL NO.	BLADE DIA.	PITCH DEG.	BLADE DEPTH	STATIC PRESSURE .10"			STATIC PRESSURE .30"			MARS PACK
					RPM	CFM	BHP	RPM	CFM	BHP	
40166	2427-5CW	24	27	4.31	825	4400	0.41	825	3500	0.47	2
					1075	6060	0.82	1075	5500	0.96	
					1140	6240	0.99	1140	5980	1.06	
40168	2433-5CW	24	33	5.15	825	5500	0.53	825	4350	0.62	2
					1075	7470	1.22	1075	6950	1.26	
					1140	7800	1.45	1140	7500	1.52	

MAX RPM 20"-24" DIA. 1140RPM

KC & KH Blades

airMARS KC series blades are designed for use in air circulators, cooling towers, air cooled condensing units, and small cooling towers. Performance figures are based on applicable standards such as ASHRAE 51/AMCA 210. Suitability for an application is the responsibility of the customer.

See page AM-10 for KC blades with fixed 5/8" hubs. Taper lock bushings for KC and KH blades are also listed on page AM-10.



Features:

- 4 wing blades
- High quality steel
- Viewing from air discharge side - CW rotation

MARS NO.	MODEL NO.	NO. OF BLADES	BLADE DIA.	PITCH DEG.	BLADE DEPTH	STATIC PRESSURE .10"			STATIC PRESSURE .30"		MAX RPM
						RPM	CFM	BHP	CFM	BHP	
40206	5-3299	4	30	30	2.88	850	8985	0.73	7209	0.79	1140
						1140	12482	1.70	11354	1.81	

KC Blades with 5/8" Hub

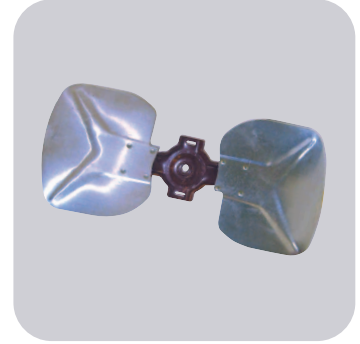
MARS NO.	MODEL NO.	NO. OF BLADES	BLADE DIA.	PITCH DEG.	BLADE DEPTH	STATIC PRESSURE .10"			STATIC PRESSURE .30"		MAX RPM
						RPM	CFM	BHP	CFM	BHP	
40397	5-2223	4	30	30	2.88	850	8985	0.73	7209	0.79	1140
						1140	12482	1.70	11354	1.81	

Fixed Hub Blades

airMARS 2 and 3 wing blades are designed for lower static pressure applications. They will fit OEM's such as Carrier, Rheem Rudd, GE, Trane, Singer-climate control, York and others.

Available from 14" to 24" blade diameter with 1/2" assembled hub.

Always note original fan blade hub location (intake or discharge) and match when selecting fixed hub replacement fan blades.



2-Wing Blades with 1/2" Hub

MARS NO.	MODEL NO.	ROTATION	BLADE DIA.	PITCH DEG.	HUB LOCATION	MARS PACK
40300	6-9871-BP	CW	14	36°	Discharge	2
40301	6-9788	CCW	14	36°	Intake	2
40302	601274	CCW	18	19°	Intake	2
40305	T1802-24	CW	18	24°	Intake	2
40307	6-9250	CW	18	29°	Intake	2
40308	6-9205	CCW	18	29°	Intake	2
40408	T1802-32	CCW	18	33°	Intake	2
40309	6-9254	CCW	18	36°	Intake	2
40313	6-9252	CCW	20	25°	Intake	2
40314	6-9251	CW	20	29°	Intake	2
40315	6-9206	CCW	20	29°	Intake	2
40316	6-9253	CCW	20	34°	Intake	2
40319	T2202-22	CCW	22	22°	Intake	2
40320	600041	CCW	22	27°	Intake	2
40321	600455	CCW	22	29°	Intake	2
40324	6-9299	CCW	24	24°	Intake	2
40325	T2402-26	CW	24	26°	Discharge	2

Taper Lock Bushings

H Bushing for 24"- 48" Blades

MARS NO.	BORE	KEYWAY
40235	1"	Shaft



MAX RPM 16"-18" DIA. 1725 RPM 20"-24" DIA. 1140 RPM

Fixed Hub Blades

airMARS 2 and 3 wing blades are designed for lower static pressure applications. They will fit OEM's such as Carrier, Rheem Rudd, GE, Trane, Singer-climate control, York and others.

Available from 14" to 26" blade diameter with 1/2" assembled hub.

Always note original fan blade hub location (intake or discharge) and match when selecting fixed hub replacement fan blades.



3-Wing Blades with 1/2" Hub

MARS NO.	MODEL NO.	ROTATION	BLADE DIA.	PITCH DEG.	HUB LOCATION	MARS PACK
40328	6-9255	CW	14	32°	Discharge	2
40331	T1403-28	CW	16	28°	Intake	2
40333	6-9257	CW	16	33°	Discharge	2
40334	600893	CCW	16	33°	Intake	2
40338	T1803-26	CW	18	26°	Discharge	2
40339	T1803-27	CCW	18	26°	Intake	2
40009	XW1803	CW	18	27°	Intake	2
40340	601276	CW	18	27°	Discharge	2
40343	6-9259	CW	18	33°	Discharge	2
40010	XW1803	CW	18	35°	Intake	2
40347	6-0316	CW	20	23°	Discharge	2
40348	601278	CCW	20	25°	Intake	2
40349	601279	CW	20	31°	Discharge	2
40011	XW2003	CCW	20	34°	Intake	2
40350	T2203-20	CW	22	20°	Intake	2
40353	600240	CW	22	24°	Intake	2
40352	UT Series	CW	22	24°	Discharge	2
40012	TNT2203	CW	22	24°	Intake	2
40013	TNT2203	CCW	22	25°	Intake	2
40355	T2203-28	CW	22	28°	Intake	2
40357	600916	CCW	22	33°	Intake	2
40358	602048	CW	24	22°	Intake	2
40323	601280	CCW	24	22°	Intake	2
40359	601383	CW	24	30°	Intake	2
40360	602297	CW	24	33°	Intake	2
40362	601291	CW	26	26°	Discharge	2
40407	T2603-26	CCW	26	26°	Intake	2
40363	T2603-27	CW	26	27°	Intake	2
40364	601282	CW	26	37°	Intake	2

12" - 18" DIA. MAX. RPM 1725 20" - 28" DIA. MAX. RPM 1140 30" DIA. MAX. RPM 850

3-Wing Blades with 5/8" Hub

MARS NO.	MODEL NO.	ROTATION	BLADE DIA.	PITCH DEG.	HUB LOCATION	MARS PACK
40365	KA3018	CW	30	18°	Discharge	2

12" - 18" DIA. MAX. RPM 1725 20" - 28" DIA. MAX. RPM 1140 30" DIA. MAX. RPM 850

Fixed Hub Blades

airMARS fixed hub heavy duty condenser fan blades have been designed to serve as drop-in replacements for many OEM applications.

Hub location is on the intake side unless otherwise noted.

Always note original fan blade hub location (intake or discharge) and match when selecting fixed hub replacement fan blades.



4-Wing Blades with Hub

MARS NO.	MODEL NO.	ROTATION	BLADE DIA.	PITCH DEG.	BORE & LOCATION	MARS PACK
40369	6-9256	CW	14	33°	1/2"	2
40372	6-9258	CW	16	33°	1/2" Discharge	2
40375	601375	CW	18	30°	1/2"	2
40376	6-9260	CW	18	33°	1/2" Discharge	2
40377	T2004	CW	20	20°	1/2" Discharge	2
40378	6-9992	CW	20	33°	1/2"	2
40379	602689	CW	20	36°	1/2"	2
40380	6-8745	CW	22	24°	1/2" Discharge	2
40381	T2204-26	CW	22	26°	1/2"	2
40382	600895	CCW	22	33°	1/2"	2
40383	T2404-20	CW	24	20°	1/2" Discharge	2
40384	T2404	CW	24	22°	1/2"	2
40387	600794	CCW	24	27°	1/2"	2
40389	601748	CW	26	30°	5/8" Discharge	2
40391	601293	CW	28	29°	1/2" Discharge	2
40392	601296	CW	30	22°	5/8"	2
40393	6-8154	CW	30	27°	5/8" Discharge	2

12" - 18" DIA. MAX. RPM 1725 20" - 28" DIA. MAX. RPM 1140 30" DIA. MAX. RPM 850

5-Wing Blades with Hub

MARS NO.	MODEL NO.	ROTATION	BLADE DIA.	PITCH DEG.	BORE & LOCATION	MARS PACK
40402	600176	CW	16	33°	1/2" Discharge	2
40404	600178	CW	18	33°	1/2" Discharge	2
40405	F1805-33	CCW			1/2" Discharge	2
40406	601292	CW	26	29°	5/8" Discharge	2

16" - 18" DIA. MAX. RPM 1725 26" DIA. MAX. RPM 1140

Single Piece Aluminum

airMARS one piece aluminum fan blades feature a patented hubbing method. airMARS fan blades are designed for low noise and energy efficient operation.

Applications:

- Walk-in coolers and freezers
- Icemakers
- Refrigerators
- Condensers
- Vending Machines



4 Wing Single Piece Aluminum Fan Blades

MARS NO.	WINGS	BLADE DIA.	DEG. PITCH	ROT.	BORE	HUB	APPROX. CFM 3000 RPM	LAU NO.	ACME	FASCO	PACKARD
07411	4	6.00	19	CW	3/16"	I	85	-	-	-	A61469
07414	4	6.00	19	CW	1/4"	I	85	-	-	-	A61470

5 Wing Single Piece Aluminum Fan Blades Hub on Discharge

MARS NO.	WINGS	BLADE DIA.	DEG. PITCH	ROT.	BORE	HUB	APPROX. CFM 3000 RPM	LAU NO.	ACME	FASCO	PACKARD
07997	5	10.00	28	CW	5/16"	D	600	-	-	-	-
07995	5	10.00	31	CW	5/16"	D	650	-	-	-	-
07996	5	10.00	31	CCW	5/16"	D	650	60-8367-01	-	-	-
07921	5	12.00	23	CW	5/16"	D	970	-	-	-	-
07922	5	12.00	23	CCW	5/16"	D	970	-	-	-	-

Single Piece Aluminum Fan Blades

airMARS one piece aluminum fan blades feature a patented hubbing method. airMARS fan blades are designed for low noise and energy efficient operation.

Applications:

- Walk-in coolers and freezers
- Icemakers
- Refrigerators
- Condensers
- Vending Machines



5 Wing Hub on Intake

MARS NO.	WINGS	BLADE DIA.	DEG. PITCH	ROT.	BORE	HUB	APPROX. CFM 1550 RPM	LAU NO.	ACME	FASCO	TORIN AIRDEX	PACKARD
07451	5	5.50	27	CW	1/4"	I	85		35504			A65504
07452	5	5.50	27	CCW	1/4"	I	85		35514			A65515
07551	5	5.50	27	CW	5/16"	I	85					
07471	5	7.00	27	CW	1/4"	I	200	60-8348-01	30704	5FR727-1		A60704
07472	5	7.00	27	CCW	1/4"	I	200	60-8349-01	30714	5FL727-1		A60714
07572	5	7.00	27	CCW	5/16"	I	200	60-8351-01	30715	5FL727-2		
07481	5	8.00	24	CW	1/4"	I	300	60-8352-01		5FR824-1	1010352 CW	
07482	5	8.00	24	CCW	1/4"	I	300	60-8353-01		5FL824-1	1010632 CCW	
07581	5	8.00	24	CW	5/16"	I	300	60-8352-01		5FR824-2	1010642 CW	
07582	5	8.00	24	CCW	5/16"	I	300	60-8353-01		5FL824-2	1010652 CCW	
07584	5	8.00	32	CCW	5/16"	I	330			5FL832-2		
07591	5	9.00	26	CW	5/16"	I	345	60-8362-01		5FR926-2		
07592	5	9.00	26	CCW	5/16"	I	345	60-8363-01		5FL926-2		
07493	5	10.00	20	CW	1/4"	I	450			5FR1020-1		
07593	5	10.00	20	CW	5/16"	I	450	60-8368-01		5FR1020-2		
07594	5	10.00	20	CCW	5/16"	I	450	60-8369-01		5FL1020-2		
07595	5	10.00	31	CW	5/16"	I	650	60-8370-01		5FR1031-2	1010362 CW	
07596	5	10.00	31	CCW	5/16"	I	650	60-8371-01		5FL1031-2	1010692 CCW	
07521	5	12.00	23	CW	5/16"	I	920					

Single Piece Aluminum Fan Blades

airMARS one piece aluminum fan blades for unit bearing motors are designed for low noise and energy efficient operation.

Applications:

- Evaporator Coils
- Refrigerators
- Vending Machines



4 & 5 Wing Unit Bearing Mount

MARS NO.	WINGS	BLADE DIA.	DEG. PITCH	ROT.	BORE	HUB	APPROX. CFM 1550 RPM	LAU NO.	ACME	FASCO	TORIN AIRDEX	PACKARD
07004	4	10.00	22	REV	UB	NONE	414			S-7004		
95628	5	6.00	28	CW	UB	NONE	134					
95629	5	6.00	28	CCW	UB	NONE	134					
95721	5	7.00	21	CW	UB	NONE	150	60-8372-01	3706	5FR721		
95722	5	7.00	21	CCW	UB	NONE	150		3716			
95723	5	7.00	25	CW	UB	NONE	170					
95731	5	7.00	31	CW	UB	NONE	199	60-8373-01	3706-31		1010412 CW	
95732	5	7.00	31	CCW	UB	NONE	199		3716-31		1010472 CCW	
95741	5	7.00	40	CW	UB	NONE	300					
95735	5	7.75	23	CW	UB	NONE	250					
95821	5	8.00	20	CW	UB	NONE	210					
95822	5	8.00	20	CCW	UB	NONE	210					
95823	5	8.00	25	CW	UB	NONE	280	60-8376-01	3806			A63816
07709	5	8.00	31	CCW		NONE						
95831	5	8.00	31	CW	UB	NONE	300	60-8377-01	3806-31	1010432 CW		
95832	5	8.00	31	CCW	UB	NONE	300		3816-31	1010492 CCW		
95841	5	8.00	40	CW	UB	NONE	400					
95842	5	8.00	40	CCW	UB	NONE	400					
95865	5	8.00	50	CW	UB	NONE	500					
95875	5	8.75	25	CW	UB	NONE	300					
95923	5	9.00	25	CW	UB	NONE	335					
95931	5	9.00	31	CW	UB	NONE	370	60-8379-01		3906-31	1010452 CW	
95932	5	9.00	31	CCW	UB	NONE	370			3916-31	1010512 CCW	
95941	5	9.00	40	CW	UB	NONE	425					
95021	5	10.00	20	CW	UB	NONE	450					
95022	5	10.00	20	CCW	UB	NONE	450					
95027	5	10.00	28	CW	UB	NONE	425			3106		A63126
95031	5	10.00	31	CW	UB	NONE	650	60-8381-01		3106-31	1010442 CW	A61108
95032	5	10.00	31	CCW	UB	NONE	650			3116-31	1010502 CCW	A63117
95041	5	10.00	40	CW	UB	NONE	880					

Small Wheels

Double Inlet

airMARS plastic precision blower wheels are molded for reliable, efficient performance.



Plastic Wheels - Double Inlet

MARS NO.	MODEL NO.	WHEEL DIA.	WIDTH	BORE	MATERIAL
41500	2169-A	5.75	7.8	1/2	Poly-Pro CC

**OEM Blower Wheels
Single Inlet Blower Wheels**

Special orders are available. Check with MARS customer service for minimum quantities on non-stock items.

Please review special order information request on page AM-24



MARS NO.	MODEL NO.	ROTATION	WHEEL DIA.	WHEEL WIDTH	BORE	MAX RPM
41204	1-6444	CCW	7.12	1.87	1/2	4000
41213	101891	CCW	9.87	1.50	5/8	3475
41241	BC987-150S	CCW	9.87	1.50	5/8	3000

airMARS Accessories

Universal Hex Hubs

MARS Universal Hex Hubs are designed to provide a firm mechanical fit with hex or round bore adapter fan blades. These hubs are machined steel, designed with tri-point mount for secure spider/hub connections. MARS Universal Hex Hubs include 2 set screws, for shaft fastening, offset at 90 degrees.



MARS NO.	BORE	PER PACK
40002	1/4"	1
40003	5/16"	1
40004	3/8"	1
40005	1/2"	1
40006	5/8"	1

airMARS Tools

Follow these steps to measure propeller rotation and pitch:

Step 1: Position the faceplate of the gauge on the blade of the fan.

Step 2: Place the foot of the wire body of the Pitch Gauge on the center section (spider) of the fan.

Step 3: The pointer gives a direct reading of the pitch in degrees, and the clockwise/counter-clockwise markings indicate the rotation.



MARS NO.	DESCRIPTION
40851	Fan Blade Pitch Gauge
40852	Fan Blade & Hub Puller



Small Wheels

Single Inlet

airMARS Single Inlet wheels are used in a variety of commercial and residential applications, for room air conditioners, power burners, draft inducers, other heating and appliance devices. Rotation is determined viewing the closed end of the wheel.



MARS NO.	MODEL NO.	ROTATION	WHEEL DIA.	WHEEL WIDTH	HUB
40564	1-6696	CCW	4	1-1/2	5/16
40565	2-2443	CCW	4.25	2-7/8	1/4

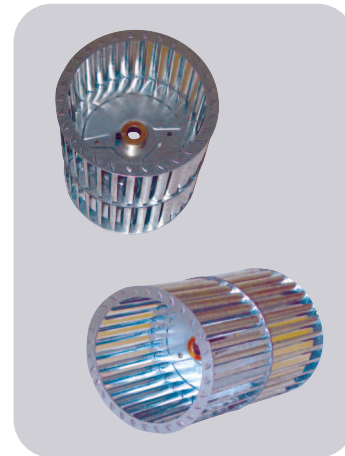
4" - 5.25" DIA. MAX. RPM 3600 RPM 5.25" DIA. MAX. RPM 2800 RPM

MARS NO.	MODEL NO.	ROTATION	WHEEL DIA.	WHEEL WIDTH	HUB	RPM	.1" S.P.		.3" S.P.	
							CFM	BHP	CFM	BHP
40618	1-7890	CCW	6.31	2.00	1/2	3450	831	1.294	818	1.274
40619	1-3414	CW	6.31	2.50	1/2	1000 3450	268 1013	0.035 1.669	179 996	0.022 1.633
40638	1-1992	CCW	8.50	4.00	1/2	1000 1550	902 1428	0.266 1.023	825 1387	0.229 0.977
40641	1-5266	CW	9.125	4.25	1/2	1000	1005	0.122	896	0.108
40642	1-8189	CW	9.875	2.00	5/8	1000	632	0.209	588	0.191

Small Wheels

Double Inlet

airMARS Double inlet wheels are used in many popular air handlers. The wheels below are made of galvanized steel unless indicated otherwise. Rotation is determined viewing the hub extension.



MARS NO.	MODEL NO.	ROTATION	WHEEL DIA.	WHEEL WIDTH	HUB	RPM	.1" S.P.		.3" S.P.	
							CFM	BHP	CFM	BHP
41102	2-0414	CW	4.75	7.00	1/2	1725	555	0.115	455	0.092
		CCW					1725	555	0.115	455
41107	2-0223	CW	5.25	7.00	1/2	1725	710	0.090	620	0.075
41108	2-0891	CCW					1725	710	0.090	620
41111	2-2402	CW	5.75	5.16	1/2	1000	396	0.035	-	-
							1725	725	0.217	682
41113	2-2406	CW	5.75	6.88	1/2	1000	439	0.047	-	-
		1725					854	0.278	755	0.241
41114	2-0600	CW	5.75	7.625	1/2	1000	439	0.047	-	-
41115	2-0678	CCW					1725	854	0.278	755
41116	2-2408	CW	5.75	8.00	1/2	1000	500	0.065	-	-
41117	2-0304	CCW					1725	976	0.390	863
41118	106729	CW	5.75	8.50	1/2	1000	710	0.078	-	-
41123	2-2405	CW					6.22	7.00	1/2	1000
41125	2-2407	CW	6.22	8.00	1/2	1000	705	0.042	500	1.250
41126	1-0439	CW					6.25	7.00	1/2	1000
41127	1-0438	CCW	6.25	7.00	1/2	1000	625	0.077	415	0.046
41132	802653	CW					7.50	9.00	1/2	1000

Direct Drive Furnace Blower Wheels

44 separate quality checks ensure the production process for airMARS belt drive blower wheels. Rigorous quality standards, high quality raw material and experienced manufacturing all work together to make airMARS blower wheels your best choice.

airMARS Direct Drive Blower Wheels are designed to work as "drop in" replacements for all major HVAC OEM equipment



MARS NO.	DESCRIPTION	ROT.	CENTER DISC	DIA.	WIDTH	BORE	LAU#	RPM	.1" S.P.		.3" S.P.	
									CFM	BHP	CFM	BHP
41303	9-6 DD Blower Wheel	CW	Convex	9.50	6.06	0.50	013335-01	1000	1395	.40	1240	.36
41302	9-6 DD Blower Wheel	CCW	Convex	9.50	6.06	0.50		1250	1744	.77	1650	.74
41307	9-7 DD Blower Wheel	CW	Convex	9.50	7.12	0.50	013336-02	1000	1600	.50	1400	.42
41306	9-7 DD Blower Wheel	CCW	Convex	9.50	7.12	0.50	013336-03	1250	1950	1.01	1850	.89
41305	9-7 DD Blower Wheel	CW	Concave	9.50	7.12	0.50		1000	1600	.50	1400	.42
41311	9-8 DD Blower Wheel	CW	Convex	9.50	8.06	0.50	013337-01	1000	1720	.50	1460	.42
41310	9-8 DD Blower Wheel	CCW	Convex	9.50	8.06	0.50	013337-03	1200	2000	.86	1850	.79
41365	9-9 DD Blower Wheel	CW	Convex	9.50	9.50	0.50	013332-01					
41312	9-9 DD Blower Wheel	CW	Concave	9.50	9.50	0.50		1000	1750	.51	1550	.43
41361	9-9 DD Blower Wheel	CCW	Concave	9.50	9.50	0.50	013332-03	1200	2150	.93	2000	.83
41314	10-4 DD Blower Wheel	CW	Convex	10.62	4.50	0.50	013327-01	1000	1130	.36	1050	.33
41316	10-6 DD Blower Wheel	CW	Concave	10.62	6.06	0.50		1200 1000	1395 1680	.63 .36	1300 1550	.57 .31
41318	10-6 DD Blower Wheel	CW	Convex	10.62	6.06	0.50	013326-01	1200	2010	.62	1910	.59
41317	10-6 DD Blower Wheel	CCW	Convex	10.62	6.06	0.50	013326-02	1200	2010	.62	1910	.59
41323	10-7 DD Blower Wheel	CW	Convex	10.62	7.12	0.50	013325-01	1000	2150	.85	1990	.71
41362	10-7 DD Blower Wheel	CCW	Convex	10.62	7.12	0.50	027102-04	1200	2600	1.57	2490	1.36
41322	10-7 DD Blower Wheel	CW	Concave	10.62	7.12	0.50						
41327	10-8 DD Blower Wheel	CW	Convex	10.62	8.06	0.50	013324-01	1000	2300	.83	2100	.71
41326	10-8 DD Blower Wheel	CCW	Convex	10.62	8.06	0.50	013324-02	1200	2800	1.49	2620	1.34
41325	10-8 DD Blower Wheel	CW	Concave	10.62	8.06	0.50		1000	2300	.83	2100	.71
41324	10-8 DD Blower Wheel	CCW	Concave	10.62	8.06	0.50		1200	2800	1.49	2620	1.34

Direct Drive Furnace Blower Wheels

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airMARS Direct Drive Blower Wheels are designed to work as "drop in" replacements for all major HVAC OEM equipment.



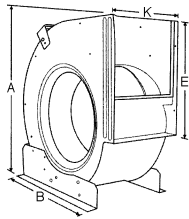
MARS NO.	DESCRIPTION	ROT.	CENTER DISC	DIA.	WIDTH	BORE	LAU#	RPM	.1" S.P.		.3" S.P.	
									CFM	BHP	CFM	BHP
41331	10-9 DD Blower Wheel	CW	Convex	10.62	9.50	0.50	013323-01	1000	2520	.90	2350	.81
41330	10-9 DD Blower Wheel	CCW	Convex	10.62	9.50	0.50		1150	2900	1.44	2780	1.29
41329	10-9 DD Blower Wheel	CW	Concave	10.62	9.50	0.50	013317-01	1000	2520	.90	2350	.81
41328	10-9 DD Blower Wheel	CCW	Concave	10.62	9.50	0.50	013317-04	1150	2900	1.44	2780	1.29
41335	10-10 DD Blower Wheel	CW	Convex	10.62	10.68	0.50	013322-03	1000	2700	1.07	2520	.95
41334	10-10 DD Blower Wheel	CCW	Convex	10.62	10.68	0.50		1150	3100	1.64	2990	1.51
41333	10-10 DD Blower Wheel	CW	Concave	10.62	10.68	0.50	013316-02	1000	2700	1.07	2520	.95
								1150	3100	1.64	2990	1.51
41336	10-10 DD Blower Wheel	CW	Concave	10.62	10.68	0.62		1000	2700	1.07	2520	.95
41332	10-10 DD Blower Wheel	CCW	Concave	10.62	10.68	0.50	013316-06	1150	3100	1.64	2990	1.51
41341	11-7 DD Blower Wheel	CW	Convex	11.93	7.12	0.50	026940-05	1000	2350	1.01	2250	.93
								1150	2720	1.51	2610	1.40
41344	11-8 DD Blower Wheel	CCW	Convex	11.93	8.06	0.50	026940-08	1000	2680	1.19	2500	1.05
41343	11-8 DD Blower Wheel	CW	Concave	11.93	8.06	0.50	026941-07	1150	3100	1.78	3000	1.64
41349	11-9 DD Blower Wheel	CW	Convex	11.93	9.50	0.50	026940-09	1000	2880	1.25	2660	1.08
41348	11-9 DD Blower Wheel	CCW	Convex	11.93	9.50	0.50	026940-10	1150	3300	1.92	3280	1.78
41347	11-9 DD lower Wheel	CW	Concave	11.93	9.50	0.50		1000	2880	1.25	2660	1.08
41346	11-9 DD Blower Wheel	CCW	Concave	11.93	9.50	0.50		1150	3300	1.92	3280	1.78
41352	11-10 DD Blower Wheel	CW	Convex	11.93	10.68	0.50						
41351	11-10 DD Blower Wheel	CW	Concave	11.93	10.68	0.50	026941-11	1000	3100	1.31	2910	1.21
								1150	3600	2.05	3450	1.92
41350	11-10 DD Blower Wheel	CCW	Concave	11.93	10.68	0.50	026941-12					
41370	11-11 DD Blower Wheel	CCW	Concave	11.93	11.93	0.50		1000	3300	1.45	3090	1.29
41364	12-9 DD Blower Wheel	CW	Convex	12.87	9.50	0.50	013693-25	1000	3800	1.96	3620	1.79
								1150	4400	2.94	4300	2.78
41355	12-12 DD Blower Wheel	CW	Concave	12.87	12.62	0.50	015565-07	1000	4700	2.56	4500	2.38
								1150	5500	3.83	5250	3.70

Belt Drive Blower Wheel with Housing Assembly

MARS #41405 is a belt drive blower assembly with a 10 x 10 belt drive blower wheel included. The 41405 features universal mounting.

Features:

- Applications: Residential and Light Commercial
- Heavy Gauge Steel
- Includes: Shaft, Steel Bearings, Motor Mounting Bracket, Universal Housing Supports, Vibro Pads and Mounting Hardware
- Four Mounting Options



MARS NO.	HOUSING DIMENSIONS					BLOWER WHEEL		
	K	E	A	B	TYPE	DIA.	WIDTH	BORE
41405	13-1/6"	11-3/8"	17-1/4"	16-1/2"	BD	10-1/2"	10-5/8"	3/4"

Belt Drive Blower Wheels

airMARS belt drive blower wheels with forward curved blades are constructed out of galvanized steel with offset tab-locked blades for superior strength. The unique design allows higher operating speeds and lower noise levels on blower wheels from 9" to 40". All wheels are balanced both statically and dynamically to a factor of Q=6.3.

44 separate quality checks ensure the production process for airMARS belt drive blower wheels. Rigorous quality standards, high quality raw material and experienced manufacturing all work together to make airMARS blower wheels your best choice.



MARS NO.	DESCRIPTION	WHEEL DIA.	WHEEL WIDTH	BORE	NOMINAL DIA. X W.	LAU #	MAX. RPM
41533	15-15 BD 1.00 WHL	15.12	15.00	1.00	15-15	008276-16	1600

airMARS Belt Drive Blower Accessories

Bearings

All airMars bearings and bearing assemblies are designed and manufactured to precise tolerance. Dedication to quality assures good fit and long life.



MARS NO.	TYPE	BORE	O.D.	PHOTO	BAG QTY.
40863	Cartridge	3/4"	1-13/16"	A	2
40865	Cartridge w/journal	3/4"	1-13/16"	B	2
40867	Oil	5/8"	1-13/16"	H	2
40868	Oil	3/4"	1-13/16"	H	2
40871	Sealed	3/4"	1-13/16"	I	2
40872	Sealed H.D.	1"	2-1/2"	I	2
40873	Randall Type	3/4"	1-27/32"	J	2
40874	Randall Oil	1"	1-27/32"	J	2
40876	Pillow Block	5/8"	-	C	2
40877	Pillow Block	3/4"	-	C	2
40878	Pillow Block	1"	-	C	2
40879	Pillow Block H.D.	1"	-	C	2
40880	Pillow Block-Ball Brg.	3/4"	-	E	2
40881	Pillow Block-Ball Brg.	1"	-	E	2

airMARS Belt Drive Blower Accessories

Variable Pitch Pulleys

MARS NO.	DIA	BORE	MATERIAL
40829	2.5"	1/2"	Cast Iron
40830 (1)	2.5"	5/8"	Cast Iron
40831	3.25"	1/2"	Cast Iron
40832 (1)	3.25"	5/8"	Cast Iron
40833	3.25"	3/4"	Cast Iron
40834	3.75"	1/2"	Cast Iron
40835 (1)	3.75"	5/8"	Cast Iron
40837 (1)	3.75"	7/8"	Cast Iron
40838	4.15"	1/2"	Cast Iron
40839 (1)	4.15"	5/8"	Cast Iron
40840	4.15"	3/4"	Cast Iron
40841 (1)	4.15"	7/8"	Cast Iron
40842	4.15"	1-1/8"	Cast Iron
40844 (1)	4.75"	7/8"	Cast Iron
40845	5.35"	5/8"	Cast Iron

(1) with keyway



Blower Pulleys

MARS NO.	DIA	BORE	MATERIAL
40804	6"	5/8"	Cast Iron
40805	6"	3/4"	Cast Iron
40806	6"	1"	Cast Iron
40808	7"	3/4"	Cast Iron
40811	8"	3/4"	Cast Iron
40812	8"	1"	Cast Iron
40815	10"	3/4"	Cast Iron
40816	10"	1"	Cast Iron

airMARS Belt Drive Blower Accessories

Shafts, Miscellaneous Accessories, etc.

All airMars bearings and bearing assemblies are designed and manufactured to precise tolerance. Dedication to quality assures good fit and long life.



Solid Shafts

Thrust Collar Kits

Photo A

Miscellaneous Accessories

MARS NO.	TYPE	PHOTO	PER PACK	WT. EACH
40897	5/8" Thrust Collar Kit	A	1	.20
40898	3/4" Thrust Collar Kit	A	2	.30
40899	1" Thrust Collar Kit	A	1	.50
40901	3/4" Thrust Spacer Kit	B	1	.10

Solid Shafts

MARS NO.	BLADE DIA	LENGTH	FLATTED OR KEYWAY	WT. EACH
40906	5/8"	20"	Flatted	2.10
40907	3/4"	20"	Flatted	3.00
40908	1"	25"	Flatted	6.40
40912	1-3/16"	68"	Flatted	24.30
40913	1-7/16"	52"	Flatted	27.30
40909	3/4"	35"	Flatted	5.30
40914	3/4"	20"	Keyway	3.00
40915	1"	25"	Keyway	6.40

Note: excess can be cut off

airMARS Belt Drive Blower Accessories

Bearings and Brackets

All airMars bearings and bearing assemblies are designed and manufactured to precise tolerance. Dedication to quality assures good fit and long life.

Bearings

MARS NO.	TYPE	BORE	O.D.	PHOTO	BAG QTY.
40885	Sealed Ball Bearing	3/4"	1-13/16"	D	2
40887	Sealed Ball Bearing	1"	2-27/32"	D	2
40886	Sealed Ball Bearing	3/4"	2-27/32"	D	2
40889	Sealed Brundage Repl.	3/4"	2-1/16"	B	2
40891	Oil Brundage Repl.	3/4"	2-1/16"	B	2



3-Wing Bearing Brackets

- Completely assembled and ready to mount, fits most blowers from 9 to 16 Inch sizes
- Sintered bronze ball assembly assures maximum vibration absorption, quiet operation and constant self-alignment
- Includes shaft and hardware

MARS NO.	TYPE	BORE	O.D.	PHOTO	BAG QTY.
40918	3-Wing Bracket w/Hardware	3/4"	w/ 3/4" x 20" shaft	-	1 Kit
40919	3-Wing Bracket w/Hardware	1"	w/ 1" x 20" shaft	-	1 Kit

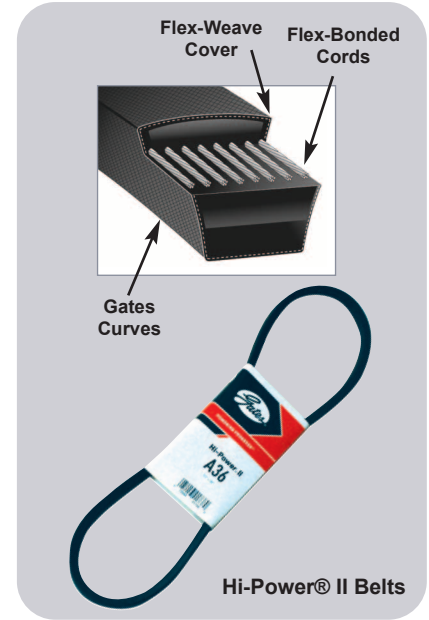
V-Belts

Hi-Power® II Belts

Gates Hi-Power II belts are engineered for classical applications. They have patented concave sidewalls to distribute wear evenly while providing proper belt support for improved service life. Flex-bonded cords and flex-weave covers make them the No. 1 choice for heavy-duty conventional V-belt drives. Hi-Power II belts also resist the effects of oil, heat, ozone, weather and aging while meeting RMA standards for static conductivity.

Features & Benefits:

- See page AM-40
- MARS Pack 1

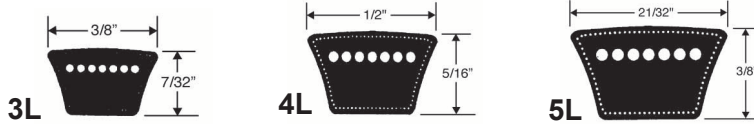


Truflex® V-Belts

Gates Truflex® belts offer improved performance on light duty, fractional horsepower (FHP) V-belt drives. Their unique patented construction provides smooth, quiet operation with less vibration.

Features & Benefits:

- Gates Curves provide proper cord support and full contact with the sheave-groove for uniform loading, uniform wear, and increased belt life.
- Flex-Bonded Cords are strongly bonded to the body of the belt resulting in equal load distribution and the absorption of bending stress without cord reduction.
- Flex-Weave® Cover is a patented fabric construction for longer cover life, providing extended protection to the belt core from oil, dirt and heat.
- Meets RMA static conductivity requirements.
- Meets RMA oil and heat resistant standards.
- MARS Pack 1



Tri-Power® Belts-AX, BX

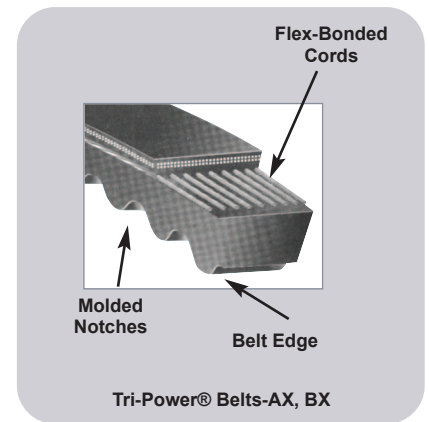
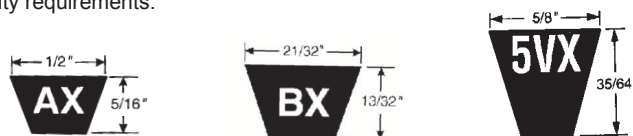
Constructed with Gates proprietary Vextra® construction, this belt has a superior combination of flex and load carrying capacity, as well as less stretch resulting in less maintenance. Suitable for all industrial applications, particularly where small or subminimal sheave diameters are required.

Super HC® Molded Notch Belts-5VX

Constructed with Gates proprietary construction, this belt has a superior combination of flex and load carrying capacity, as well as transmitting more horsepower than the classical cross sections in the same amount of drive space. Suitable for all industrial applications, particularly where space, weight and horsepower capacity are critical.

Features & Benefits:

- Notches molded in to the belt during manufacturing, make this belt well suited for drives with smaller diameter sheaves.
- Belt edge is machined for even sheave groove contact resulting in less slip and wear.
- Flex bonded cords are strongly bonded to the body of the belt resulting in equal load distribution and the absorption of bending stress without cord deterioration.
- Meets RMA oil and heat resistant standards
- Meets RMA static conductivity requirements.
- MARS Pack 1



Gates V-Belts

Gates V-Belts cont.

MARS NO.	DESC.	CASE QTY.	MARS NO.	DESC.	CASE QTY.	MARS NO.	DESC.	CASE QTY.	MARS NO.	DESC.	CASE QTY.
AX Belts cont.			BX Belts			BX Belts cont.			5VX Belts cont.		
74563	AX29	20	74650	BX28	1	74645	BX85	2	74689	5VX750	12
74564	AX30	10	74662	BX30	1	74721	BX86	1	74708	5VX780	1
74565	AX31	10	74605	BX32	1	74678	BX88	1	74704	5VX800	1
74554	AX32	50	74684	BX33	1	74679	BX89	1	74676	5VX850	1
74567	AX33	14	74666	BX34	10	74659	BX90	1	74677	5VX880	1
74568	AX34	15	74609	BX35	1	74665	BX91	1	74690	5VX900	13
74569	AX35	15	74610	BX36	5	74672	BX92	1	74691	5VX930	5
74570	AX36	15	74611	BX37	1	74661	BX93	1	74706	5VX950	1
74571	AX37	15	74612	BX38	4	74680	BX94	1	74692	5VX960	10
74572	AX38	10	74613	BX39	40	74660	BX95	1	74693	5VX1000	10
74562	AX39	10	74614	BX40	15	74606	BX96	1	74694	5VX1030	10
74573	AX40	10	74615	BX41	1	74681	BX97	30	74718	5VX1050	1
74574	AX41	10	74616	BX42	4	74683	BX99	5	74695	5VX1060	1
74575	AX42	15	74617	BX43	5	74647	BX100	1	74696	5VX1080	10
74576	AX43	30	74618	BX44	10	74649	BX103	1	74697	5VX1120	10
74604	AX44	10	74710	BX45	10	74653	BX105	1	74698	5VX1150	10
74608	AX45	10	74619	BX46	15	74654	BX106	1	74699	5VX1180	1
74577	AX46	55	74719	BX47	1	74685	BX108	1	74673	5VX1230	1
74579	AX47	10	74620	BX48	10	74670	BX112	30	74700	5VX1320	10
74578	AX48	5	74663	BX49	1	74671	BX113	1	74701	5VX1400	20
74580	AX49	20	74621	BX50	20	74686	BX116	1			
74598	AX50	10	74607	BX51	50	74668	BX120	1			
74581	AX51	10	74622	BX52	10	74669	BX124	1			
74599	AX52	5	74623	BX53	5	74687	BX128	1			
74551	AX53	5	74624	BX54	20	74705	BX133	10			
74582	AX54	15	74625	BX55	1	74748	BX162	1			
74583	AX55	5	74626	BX56	5	74759	BX173	1			
74600	AX56	10	74664	BX57	1						
74601	AX57	10	74629	BX58	10						
74584	AX58	5	74630	BX59	25						
74552	AX59	10	74631	BX60	25						
74585	AX60	4	74627	BX61	15						
74586	AX61	5	74632	BX62	20						
74587	AX62	5	74628	BX63	20						
74588	AX63	15	74633	BX64	10						
74589	AX64	10	74634	BX65	15						
74602	AX65	5	74635	BX66	10						
74603	AX66	5	74636	BX67	10						
74559	AX67	5	74637	BX68	5						
74590	AX68	5	74707	BX69	10						
74592	AX69	5	74638	BX70	10						
74749	AX70	5	74639	BX71	10						
74757	AX71	5	74641	BX72	15						
74514	AX72	5	74640	BX73	5						
74591	AX75	5	74657	BX74	1						
74593	AX80	5	74646	BX75	10						
74750	AX82	1	74648	BX76	5						
74594	AX85	1	74651	BX77	5						
74595	AX87	1	74655	BX78	5						
74596	AX90	5	74656	BX79	5						
74549	AX92	1	74642	BX80	5						
74597	AX96	5	74643	BX81	10						
			74658	BX82	5						
			74644	BX83	5						
			74652	BX84	5						

Tension Tester

Pencil type tension tester is for use with all small v-belts and synchronous belts. Maximum deflection force 30 lbs.



MARS NO.	GATES NO.
74101	7401-0076

Gates Merchandiser

Includes 10 – 3 foot long strips with 12 hooks each.



MARS NO.	GATES NO.
74000	7645-0003

AP Belts

74725	5V630	1
74726	5V710	1
74728	5V750	1
74729	5V800	1
74746	AP46	1
74751	AP51	1
74755	AP55	1
74756	AP56	1
74758	AP58	1
74760	AP59	1

Misc. Belts

74991	C85	1
74990	C100	5
74998	C136	1
74796	CX96	1

An effective preventive maintenance program saves time and money. Inspecting and replacing belts and faulty drive components **before they fail will reduce costly downtime.**

A comprehensive, effective program of preventive maintenance consists of several elements:

- Maintaining a safe work environment
- Regularly scheduled belt drive inspections
- Proper belt installation procedures
- Belt drive performance evaluations
- Belt product knowledge
- Belt storage and handling
- Trouble shooting

Sources of Drive Problems

- Rolling or prying on belts
- Misalignment
- Incorrect tension
- Improper handling of belts
- Mis-matched belts and/or pulley used
- Idler not taking tension up correctly
- Guard interference

- Sub-minimal diameters
- Under-designed drive
- Over-designed drive
- Excessive rim speed
- Incorrect belt type

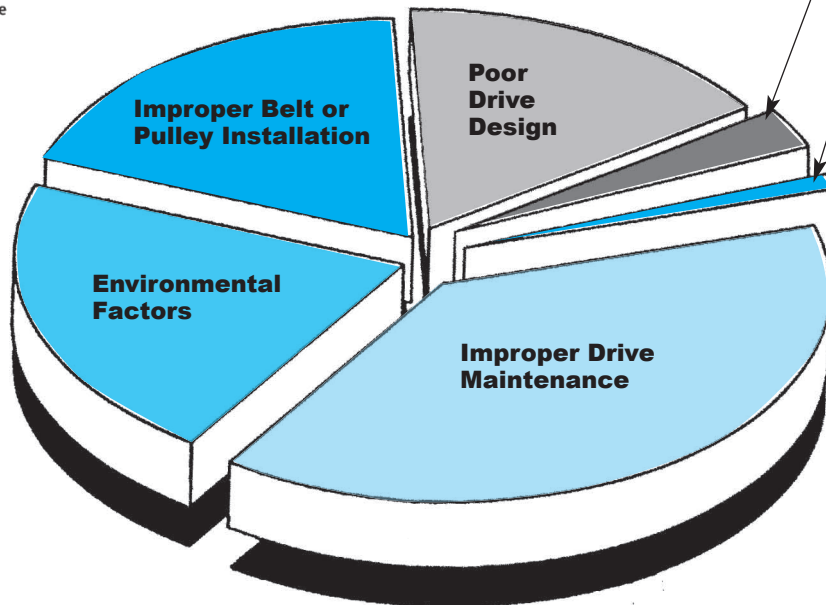
Improper Belt Storage or Handling

- Temperature
- High Humidity
- Storing for too long
- Too near ozone generating equipment
- Exposed to sunlight

Defective Drive Components

- Check for worn pulleys or sheaves
- Check for cracked or weakened bracketry
- Check for weak mounting brackets
- Check for worn belts
- Check for nonfunctioning idlers
- Check for damaged guards

- Dust
- Debris
- Water/humidity
- Oil/grease
- Heat/cold
- Rust



- No retensioning
- Not replacing worn sheave
- Not cleaning guards
- Not checking for weak bracketry & drive components
- Not checking alignment

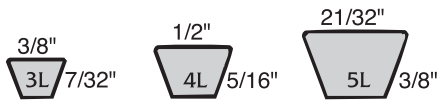
Ask your MARS Sales Representative about how MARS & Gates can help you provide your customers with superior product and superior product application knowledge.

MARS V-Belts

MARS FHP V-Belts

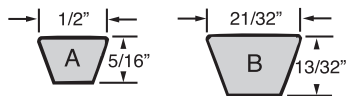
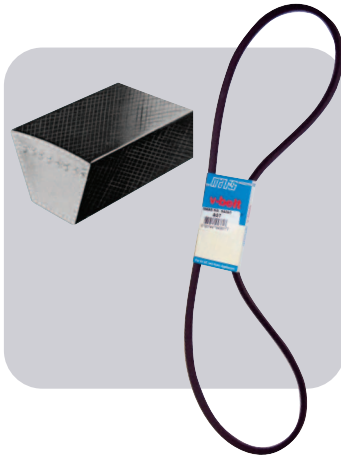
The airMARS FHP V-belt has been designed specifically for solving the problems of minimum space, small pulley diameters, large ratios and fractional horsepower requirements. Excellent for air conditioning, refrigeration and appliance equipment.

This series of airMARS belts uses only top quality material in order to have superior performance. All belts are manufactured under strict quality control standards.



MARS Dual Rated V-Belts

MARS is pleased to offer our dual rated v-belts. These belts are a combination of the classical multiple belt and the FHP belt, allowing the wholesaler and contractor to consolidate inventory. There is no need to stock both the FHP and multiple belts when you use the MARS dual brand v-belts. These unimatch belts are the same size and type and will measure within the RMA matching limits.



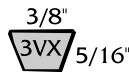
Cogged Raw Edge V-Belts

airMARS cogged raw edge V-belts are designed to keep drive costs and maintenance costs at a minimum. These belts are more compact and offer greater flexibility. Oil and heat resistant.



MARS Wedge V-Belts

airMARS Wedge V-belts allow for compact drives and higher (lower cost) RPM motors. These belts are oil and heat resistant and static conducting.



MARS Accu-Link Adjustable V-belts

airMARS Wedge V-belts allow for compact drives and higher (lower cost) RPM motors. These belts are oil and heat resistant and static conducting.

- Solves HVAC v-belt drive problems, quickly and accurately
- Ideal temporary or permanent replacement for conventional rubber belts
- Easy snap & twist assembly
- No special tools needed
- Ideal for emergency repairs & replacements
- Keep Accu-Link in every contractor truck and you will never be without a belt in any circumstance.
- 5 ft. sleeve



MARS NO.	DESCRIPTION	MARS PACK	QTY.
94670	3L Accu-Link	1	25
94671	A/4L Accu-Link	1	25
94672*	B/5L Accu-Link	1	25

* 6 foot sleeve

MARS NO.	DESC.	MARS PACK	CASE QTY.
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MARS FHP-2L & 3L V-Belts-3/8" Top Width

94104	3L180	1	10
94105	3L190	1	10
94106	3L200	1	10
94107	3L210	1	10
94108	3L220	1	10

MARS FHP-4L V-Belts-1/2" Top Width

94155	4L170	1	20
94156	4L180	1	20

MARS FHP-5L V-Belts 21/32" Top Width

94281	5L590	1	10
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MARS NO.	DESC.	MARS PACK	CASE QTY.
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A/4L Dual Rated V-Belts

94416	A-18/4L200	1	10
94323	A-19/4L210	1	10
94324	A-20/4L220	1	10
94325	A-21/4L230	1	10
94326	A-22/4L240	1	10
94327	A-23/4L250	1	10
94328	A-24/4L260	1	10
94329	A-25/4L270	1	10
94330	A-26/4L280	1	10
94331	A-27/4L290	1	10
94332	A-28/4L300	1	10
94335	A-31/4L330	1	10
94336	A-32/4L340	1	10
94337	A-33/4L350	1	10
94338	A-34/4L360	1	10
94339	A-35/4L370	1	10
94340	A-36/4L380	1	10
94341	A-37/4L390	1	10
94342	A-38/4L400	1	10
94343	A-39/4L410	1	10
94344	A-40/4L420	1	10
94345	A-41/4L430	1	10
94346	A-42/4L440	1	10
94347	A-43/4L450	1	10
94348	A-44/4L460	1	10
94349	A-45/4L470	1	10
94350	A-46/4L480	1	10
94351	A-47/4L490	1	10
94352	A-48/4L500	1	10
94353	A-49/4L510	1	10
94354	A-50/4L520	1	10
94355	A-51/4L530	1	10
94356	A-52/4L540	1	10
94357	A-53/4L550	1	10
94358	A-54/4L560	1	10
94359	A-55/4L570	1	10
94360	A-56/4L580	1	10
94370	A-64/4L660	1	10

Cross Reference

Enclosed you will find the airMARS cross reference guide. It is the result of Motors & Armatures' on going commitment to provide the most complete information possible to wholesalers, contractors and service technicians so they may select a desired product quickly and accurately.

In compiling this cross reference, every effort has been made to insure the accuracy of the information, however, Motors & Armatures cannot accept responsibility for errors which may be caused by changes in part numbers, specifications or by typographical or clerical errors in preparation. Manufacturers' and suppliers' part numbers within this cross reference and catalog are shown for identification and reference purposes only.

Table with multiple columns listing part numbers and cross-references under various brand headers like Aeon, Allied, Armstrong, Bard, Carrier, Excel, Fasco, GEM, Goodman, Heatcraft, HTP Group, and Lau.



airMARS Special Orders

Special order requirements can be a way to provide an extra level of service to your customers. Motors & Armatures Inc. encourages our wholesale customers to take advantage of the opportunity to place special orders for airMARS products that are not in this catalog.

Special orders are processed as separate production runs by the factory. A minimum quantity will always be required. In most cases, the minimum will be 25 pieces. Because special orders are non-stock items, once ordered they are non-cancellable. Also, special orders are not returnable.

Quotes normally take 3 to 4 working days to process. Following is check list for various airMARS components.

Direct Drive Wheels

- Diameter
- Width
- Material (aluminum, steel?)
- Rotation
- Type of hub & bore
- Finish (galvanized, paint?)
- Assembly (housing?)
- Construction (strip or tablock?)

Small Blower Wheels

- Diameter
- Width
- Bore
- Material (Aluminum Steel, etc.)
- Single or Double Inlet?
- Construction
- Assembly
- Back Plate Configuration

Fan Blades

- Diameter
- Pitch
- Number of Wings
- Material
- Hub Type (attached, adapter, bushing?)
- Bore
- Construction

Important Note:

Because special orders cannot be returned, it is highly recommended that your customer signs off on the check list specifications before the order is entered with the factory.