FAIRBANKS MORSE
A MAJOR INDUSTRIAL COMPONENT OF
FAIRBANKS WHITNEY

MAGNETO APPLICATIONS

MAGNETO and ENGINE ACCESSORIES DIVISION • BELOIT, WISCONSIN

MAGNETO APPLICATIONS FOR INDUSTRIAL ENGINES

Engine Model	High Tension All Types	Semi-Low Tension FM-LP & FM-LX	Low Tension FM-LTP & FM-LTX	Low Tension FM-LTR	Low Tension FM-LTRD*	Low Tension FM-LTRE‡	Rota-tion	Mount-ing	Coupling Type	Lag Angle	Lug Angle	Notes
Ajax Iron Works												
CM, CMA, CMD, WL, E, FB, LMA, DP60, DPC60, DP80, DPC80							CW	F	AV2563C	40°	+15°	1
CM							CCW	F	RV2563C	40°	-50°	1
WL							CW	F	AV2563C	40°	+15°	1
DP60, DP80, DP115, DPC60, DPC80, DPC115	FM-Z1B28		FM-LTP4-1B28 FM-LTP4-1B28A FM-LTP1B28	FM-LTRF2B28	FM-LTRFD2B28	FM-LTRFE2B28	CW	F	WV2563C	40°	+15°	1
DV, DVA							CCW	F	AV2563C	40°	-50°	1
DV, DVA, DP230, DPC230			FM-LTPF2B28A	FM-LTRF2B8	FM-LTRFD2B28	FM-LTRFE2B28	CW	F	WU2563C	40°	+15°	1
DPC120			FM-LTPF2B28A				CCW	B	RV2563C	40°	0°	1
Allis-Chalmers Mfg. Co.												
B, R, RC, W, W2, WC	FM-X4B3	FM-LP4B3	FM-LTP4B3	FM-LTR6A17	FM-LTRD6A17	FM-LTRE6A17	CW	F	S2563C	30°	0°	1
B15, W25, U40	FM-XOR4B3A	FM-LP4B3	FM-LTP4B3				CW	F	S2563C	30°	0°	1
E, EU, K, A, E60	FM-XOR4B3C	FM-LP4B3C	FM-LTP4B3C				CCW	F	R2563C	30°	0°	1
L, LO, L6, L90	FM-XOR6B3	FM-LX6B3	FM-LTX6B3				CW	F	RU2563C	45°	0°	1
L, LO, L6, L90	FM-XOR6A3	FM-LX6A3	FM-LTX6A3				CW	B	T2563C	45°	0°	1,3
Buda Div. Allis-Chalmers												
HP217, LO525, BA6, BW6, KM393, KM428, HP234, HP260, HP298, HP326, HP351, JL1335, K428, L525, P1879	FM-XOR6A17	FM-LX6A17	FM-LTX6A17	FM-LTR6A17	FM-LTRD6A17	FM-LTRE6A17	CW	B	T2563C	35°	0°	1,3
P1879, PC1879							CW	B	PU2563C	35°	0°	1
J. I. Case Co.												
519, 619, 919		FM-LX6B9	FM-LTX6B9	FM-LTR4A446B	FM-LTRD4A446B	FM-LTRE4A446B	CW	F	NZ2563C	30°	+30°	1
Clark Bros. Co.												
RA-4							CW	B	JT2563C	40°	+20°	
Climax Engine Mfg. Co.												
C46, C66, C91	FM-X1B26		FM-LTP1B26	FM-LTR4B26	FM-LTRD4B26	FM-LTRE4B26	CCW	F	FY2563C	25°	0°	1
V80, V85 - Note 12	FM-Z4B26						CW	F	AT2563C	35°	+15°	1,4
V122, V125 - Note 13	FM-Z6B26			FM-LTR6B26	FM-LTRD6B26	FM-LTRE6B26	CW	F	FT2563C	50°	+30°	1,4
K67, K75 - Note 14	FM-Z6B26A			FM-LTR6B26A	FM-LTRD6B26A	FM-LTRE6B26A	CCW	F	ET2563C	50°	-40°	1
K67, K75				FM-LTR6B26	FM-LTRD6B26	FM-LTRE6B26	CW	F	FT2563C	35°	+30°	1
Roiline												
H2000 Std. Vert. - Note 12	FM-Z4B26			FM-LTR4B26	FM-LTRD4B26	FM-LTRE4B26	CW	F	AT2563C	35°	+15°	1
H2000 - Inverted - Note 13				FM-LTR4B19	FM-LTRD4B19	FM-LTRE4B19	CW	F	YU2563C	35°	+15°	1
F1500, L3000, L3460	FM-Z6B26			FM-LTR6B26	FM-LTRD6B26	FM-LTRE6B26	CW	F	FT2563C	50°	+30°	1
L4000 - Note 14	FM-Z6B26A			FM-LTR6B26A	FM-LTRD6B26A	FM-LTRE6B26A	CCW	F	ET2563C	50°	-40°	1
F1500, L3460, L4000 - Note 13												

* FM-LTRD Shielded Magneto with Quick Disconnect Cables

‡ FM-LTRE Shielded Magneto with Covered Cables

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Engine Model	High Tension All Types	Semi-Low Tension FM-LP & FM-LX	Low Tension FM-LTP & FM-LX	Low Tension FM-LTR	Low Tension FM-LTRD*	Low Tension FM-LTRE‡	Rotation	Mounting	Coupling Type	Lag Angle	Lug Angle	Notes
Continental Motors Corp.												
F162	FM-XZ4B16A						CW	F	S2563C	20°	0°	
B427, M363	FM-XR6B16J						CW	F	S2563C	30°	0°	
C400	FM-X4A16	FM-LP4A16	FM-LTP4A16				CW	B	T2563C	25°	0°	1,3
F124, F149, F160, F190	FM-X4B16A	FM-LP4B16A	FM-LTP4B16A				CW	F	Q2563C	20°	0°	1
Y69, Y91, Y112, Y400	FM-X4B16B	FM-LP4B16B	FM-LTP4B16B				CW	F	S2563C	15°	0°	1,5
N52, N62	FM-X4B16R	FM-LP4B16R	FM-LTP4B16R				CW	F	HZ2563C	15°		2,6
M330M	FM-XOR6B16A	FM-LP4B16A	FM-LTX6B16A	FM-LTR6B16A	FM-LTRD6B16A	FM-LTRE6B16A	CW	F	WX2563C	20°	+10°	1
R602	FM-XOR6B16H	FM-LP4B16H	FM-LTX6B16H	FM-LTR6B16H	FM-LTRD6B16H	FM-LTRE6B16A	CW	F	JW2563C	50°	+30°	2
F226, F209, F186	FM-XOR6B16J	FM-LX6B16J	FM-LTX6B16J	FM-LTR6B16J	FM-LTRD6B16H	FM-LTRE6B16H	CW	F	RU2563C	30°	0°	1
D170, F170, PF170, D199												
F199, PD199, PF199	FM-XOR6B16	FM-LX6B16	FM-LTX6B16	FM-LTR6B16	FM-LTRD6B16	FM-LTRE6B16	CW	F	WX2563C	30°	+10°	1
F244	FM-Z6B16						CW	F	S2563C	25°	0°	
M600		FM-LX6B16M	FM-LTX6B16M	FM-LTR6B16M	FM-LTRD6B16M	FM-LTRE6B16M	CW	F	RU2563C	25°	0°	1
Cooper-Bessemer Corp.												
Type 80			FM-LTP4-1A42				CW	B	TY2563C	35°	0°	1,3
GMR - 4 Cyl.				FM-LTR4A46B	FM-LTRD4A46B	FM-LTRE4A46B	CW	B	JT2563C	40°	+30°	
Fairbanks, Morse & Co.												
ZC118 - 7-8 HP, ZC208 - 9-10 HP	FM-X1B2C		FM-LTP1B2C				CW	B	YZ2563C	17°	0°	1,3
ZC34C - 12-14 HP, ZC503 - 17-19 HP, ZC739 - 25-28 HP	FM-X1B2D		FM-LTP1B2D				CCW	F	XZ2563C	15°	0°	1
Hercules Motor Corp.												
1X, ZX	FM-X4A14B	FM-LP4A14B	FM-LTP4A14B				CW	B	T2563C	20°	0°	3,7
1XB	FM-XZ4A14E						CW	B	T2563C	25°	0°	
G339	FM-XZ6B14A						CW	F	DT2563C	20°		
G0226	FM-X4B14D						CW	F	Q2563C	20°	0°	
HX,HXA,HXB,HXC,HXD,HXE				FM-LTR6A14	FM-LTRD6A14	FM-LTRE6A14	CW	B	PU2563C	40°	0°	1
International- Harvester Co.												
P12, P20, P30, F30, F12, F14, I12, O12, W12, I14	FM-X4A11	FM-LP4A11	FM-LTP4A11				CW	B	T2563C	35°	0°	1,3
IU4, U2, U4, U6	FM-X4B11	FM-LP4B11	FM-LTP4B11				CW	F	UX2563C	35°	0°	1
UC221, UC263			FM-LTX6B11				CW	F	XY2563C	40°	+20°	1
Kohler Company												
K660	FM-X1-2B44						CW	F	HV2563C	20°	0°	
L600	FM-X1B44A	FM-LP4B44A	FM-LTP4B44A				CW	F	PZ2563C	20°	-35°	2
LeRoi Company												
D140	FM-XV4C19B						CCW	F	AW2563C	12½°	-25°	
D201	FM-X4B19A						CCW	F	AW2563C	12½°	-25°	
D91	FM-X4B19						CCW	F	R2563C	20°	0°	
RAS, RAIS, RXOS	FM-XOR6A3	FM-LX6A3	FM-LTX6A3				CW	B	T2563C	15°	0°	1,3
RX1, RXJ				FM-LTR4A19	FM-LTRD4A19	FM-LTRE4A19	CW	B	JT2563C	40°	+20°	

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Lufkin Fdry. & Mach. Co.												
H333	FM-XFZ2B102		FM-LTPF2B102				CW	F	UV2563C	35°	+10°	8
H333	FM-PF2B102						CW	F	UV2563C	35°	+10°	8
H795	FM-PF2B102A		FM-LTPF2B102A				CW	F	UV2563C	35°	+10°	1
H1770, H2165	FM-PF2B102A						CW	F	UV2563C	35°	+10°	1
H1770, H2165				FM-LTRF2B102A	FM-LTRFD2B102A	FM-LTRFE2B102A	CW	F	NU2563C	25°	+10°	1
Minneapolis-Moline Co.												
283-4A, 403-4A	FM-X0R4B4A	FM-LP4B	FM-LTP4B4				CW	F	S2563C	35°	0°	1
HU, MM800	FM-X0R6B4	FM-LX6B	FM-LTX6B4	FM-LTR6B4	FM-LTRD6B4	FM-LTRE6B4	CW	F	RU2563C	35°	0°	1
425-6A, 605-6A	FM-X0R6B4B	FM-LX6B4B	FM-LTX6B4B	FM-LTR6B4B	FM-LTRD6B4B	FM-LTRE6B4B	CW	F	BT2563C	50°	0°	1
Universal Motor Co.												
BN-347, BHM	FM-X4A30C						CW	B	WZ2563C	25°	0°	
AFT-173	FM-P1-2A30C						CW	B	TY2563C	15°	0°	
Waukesha Motor Co.												
XAH, XAHU, X, XA, XAK, FC,												
FCS, FK, FL, FS	FM-X4A8B	FM-LP4A8B	FM-LTP4A8B				CW	B	T2563C	15°	0°	1,3
1CK, 1CKU	FM-X4B8C	FM-LP4B8C	FM-LTP4B8C				CW	F	Q2563C	25°	0°	1
	FM-X4B8C-1	FM-LP4B8C-1	FM-LTP4B8C-1				CW	F	YW2563C	25°	+5°	1
140GK,140GKU,140GZ,140GKB,												
140GZB,145GK,145GKB,												
145GZB, 145GKU	FM-Z6B8G	FM-LX6B8G	FM-LTX6B8G	FM-LTR6B8G	FM-LTRD6B8G	FM-LTRE6B8G	CCW	F	JV2563C	40°	-50°	1
195GL, 195GLC, 195GK,												
195GKA, 195GKU	FM-X0R6B8C	FM-LX6B8B	FM-LTX6B8B	FM-LTR6B8A	FM-LTRD6B8A	FM-LTRE6B8A	CW	F	HW2563C	40°	+10°	2
		FM-LX6B8B-2	FM-LTX6B8B-2	FM-LTR6B8A-1	FM-LTRD6B8A-1	FM-LTRE6B8A-1	CW	F	LU2563C	45°	+25°	2
	FM-X0R6B8A-1						CW	F	JU2563C	40°	+20°	2
135GZ,135GK,135GL,135GKU,												
135GKB, 135GZB, 135GZU	FM-X0R6B8C	FM-LX6B8A	FM-LTX6B8A	FM-LTR6B8A	FM-LTRD6B8A	FM-LTRE6B8A	CW	F	HW2563C	40°	+10°	2
		FM-LX6B8A-1	FM-LTX6B8A-1	FM-LTR6B8A-1	FM-LTRD6B8A-1	FM-LTRE6B8A-1	CW	F	LU2563C	45°	+25°	2
	FM-X0R6B8D-1						CW	F	WV2563C	50°	+30°	2
190GLB	FM-X0R6B8C	FM-LX6B8B	FM-LTX6B8B	FM-LTR6B8A	FM-LTRD6B8A	FM-LTRE6B8A	CW	F	HW2563C	40°	+10°	2
190GLBU		FM-LX6B8B-1	FM-LTX6B8B-1				CW	F	JW2563C	40°	+20°	2
190GL	FM-X0R6B8						CW	F	VX2563C	37°	+15°	2
WAK, WAKU, WAKB	FM-Z6A8D						CW	B	T2563C	50°	0°	
WAK, WAKU, WAKB	FM-XR6A8	FM-LX6A8	FM-LTX6A8				CW	B	T2563C	40°	0°	1,3
		FM-LX6A8E	FM-LTX6A8E				CW	B	T2563C	30°	0°	1,3
WAKU, LR0R, LRZ, WKR,												
MZA - Note 15				FM-LTR6A8	FM-LTRD6A8	FM-LTRE6A8	CW	B	PU2563C	40°	0°	1,3,9
Note 15A												
VLR0 - Note 16				FM-LTR6A8D	FM-LTRD6A8D	FM-LTRE6A8D	CCW	B	SW2563C	40°	0°	1,3,9,11
Wisconsin Motor Corp.												
ABN, AKN	FM-XD1B7						CW	F	MX2563C	30°	-25°	
ACN, BKN	FM-XD1B7S						CW	F	LV2563C	13°	-42°	
AEN, AENC	FM-X1B7E						CW	F	MX2563C	30°	-25°	
AEH, AFH, AGH, AHH	FM-X1A7						CCW	B	W2563C	30°	-25°	
AGN	FM-XD1B7R						CCW	F	QV2563C	20°	0°	

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Wisconsin Motor Corp. (Cont.)												
HACN, HBKN	FM-XD1B7S-1						CW	F	LV2563C	13°	-42°	
TE, TF, TFM	FM-X1-2B7						CW	F	DZ2563C	30°	+10°	
TH, THD	FM-X1-2B7						CW	F	DZ2563C	30°	+10°	
VE4, VF4, VP4, VP4D	FM-ZV4B7						CW	F	GX2563C	20°	+10°	
VH4, VG4D	FM-X4B7A						CW	F	BW2563C	27½°	+10°	
VR4D	FM-X4A7B						CW	B	T2563C	20°	0°	
VG4D, VA4, XVF4, XVE4	FM-X4B7A	FM-LP4B7A					CW	F	BW2563C	27½°	+10°	2

Notes: 1. Standard Shaft Length
2. Extended Shaft Length
3. 45mm base
4. Single Ignition - 2 magnetos per engine
   Dual Ignition - 4 magnetos per engine
5. Single Inverted Housing
6. Double Inverted Housing
7. Base Milled off
8. Aircraft Flange

Notes: 9. Requires C2862B Float Disc
10. Impulse Coupling for 4 and 6 cylinder engine require heavy drive spring
11. Two magnetos per engine
12. Formerly used Type FM-LTR4B4 magneto
13. Formerly used Type FM-LTR6B4B magneto
14. Formerly used Type FM-LTR6B4C magneto
15. Formerly used Type FM-LTR6A8A magneto
15A. Formerly used Type FM-LTR6A8B magneto
16. Formerly used Type FM-LTR6A8E magneto