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	SEMI-LOW TENSION	LOW TENSION STANDARD	LOW TENSION HEAVY DUTY	ROT.	MTG.	COUPLING TYPE	LAG ANGLE	LUG ANGLE	NOTE
Ajax Iron Works										
CM, CMA, CMD, WL, DP70, DP100, E, FB			FM-LTP4-1B28		CW	F	AV2563C	40°	+15°	1
DV, DVA			FM-LTPF2B28		CCW	F	AX2563C	35°	0	1
WL	FM-Z1B28		FM-LTP1B28		CW	F	AX2563C	40°	+15°	1
CM			FM-LTP4-1B28A		CCW	F	RV2563C	40°	-50°	
WL, LMA, DP60			FM-LTP4-1B28		CW	F	AV2563C	40°	+15°	
DP60, DP80, DP115, DPC60, DPC80, DPC115 DP230, DPC230, DV, DVA				FM-LTR4-1B28	CW	F	WW2563C	40°	+15°	
				FM-LTRF2B28	CW	F	WW2563C	20°	+15°	
Allis-Chalmers Mfg. Company										
B,R,RC,W,W2,WC	FM-X4B3	FM-LP4B3	FM-LTP4B3		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	S2563C	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, L0525, BA6, BW6, KM393, KM428, HP234, HP260, HP298, HP326, HP351, JL1335, K428, L525, P1879	FM-XOR6A17	FM-LX6A17	FM-LTX6A17		CW	B	T2563C	35°	0	1,3
P1879, PC1879				FM-LTR6A17	CW	B	PU2563C	35°	0	1
J.I. Case Co.										
519, 619, 919		FM-LX6B9	FM-LTX6B9		CW	F	NZ2563C	30°	+30°	1
Climax Engine Mfg. Co.										
C66, C91	FM-X1B26		FM-LTP1B26		CCW	F	PY2563C	25°	0	1
V125, K67, K75, V122			FM-LTX6B4B		CW	F	BT2563C	50°	0	1
V80, V85			FM-LTP4B4		CW	F	S2563C	35°	0	1,4
V80, V85				FM-LTR4B4	CW	F	RU2563C	35°	0	1,4
V122, V125				FM-LTR6B4B	CW	F	BT2563C	50°	0	1,4
K67, K75				FM-LTR6B4C	CCW	F	CT2563C	50°	0	1
K67, K75				FM-LTR6B4B	CW	F	BT2563C	50°	0	1
Roiline										
H2000				FM-LTR4B4	CW	F	YU2563C	35°	0	1
F1500, L3460, L4000				FM-LTR6B4B	CW	F	BT2563C	50°	0	1
F1500, L3460, L4000				FM-LTR6B4C	CCW	F	CT2563C	50°	0	1
L3000				FM-LTR6B4B	CW	F	BT2563C	50°	0	1
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

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Continental Motors Corp. (Cont.)										
M330M	FM-X0R6B16A	FM-LX6B16A	FM-LTX6B16A		CW	F	WX2563C	20°	+10°	1
R602	FM-X0R6B16H	FM-LX6B16H	FM-LTX6B16H	FM-LTR6B16H	CW	F	JW2563C	50°	±30°	2
F226, F209, F186	FM-X0R6B16J	FM-LX6B16J	FM-LTX6B16J		CW	F	S2563C	30°	0	1
D170, F170, PF170, D199, F199, PD199, PF199	FM-X0R6B16	FM-LX6B16	FM-LTX6B16		CW	F	WX2563C	30°	+10°	1
F244	FM-Z6B16B				CW	F	S2563C	25°	0	
Cooper Bessemer Corporation										
Type 80			FM-LTP4-1A42		CW	B	TY2563C	35°	0	1,3
Fairbanks, Morse & Co.										
ZC118 - 7-8 HP, ZC208 - 9-10 HP ZC346 - 12-14 HP, ZC503 - 17-19 HP,	FM-X1B2C		FM-LTP1B2C		CW	F	YZ2563C	17°	0	1
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	
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	T2563C	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-X4B44A	FM-LP4B44A	FM-LTP4B44A		CW	F	PZ2563C	20°	-35°	2
LeRoi Co.										
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-X0R6A3	FM-LX6A3	FM-LTX6A3		CW	B	T2563C	45°	0	1,3
Lufkin Fdry. & Mach. Co.										
H-333	FM-XFZ2B102		FM-LTPF2B102		CW	F	UV2563C	35°	+10°	8
H-333	FM-PF2B102				CW	F	UV2563C	35°	+10°	
H-795	FM-PF2B102A		FM-LTPF2B102A		CW	F	UV2563C	35°	+10°	1
H-1770, H-2165	FM-PF2B102A				CW	F	UV2563C	35°	+10°	1
H-1770, H-2165				FM-LTRF2B102A	CW	F	NU2563C	25°	+10°	1
Minneapolis-Moline Co.										
283-4A, 403-4A	FM-X0R4B4A	FM-LP4B4	FM-LTP4B4		CW	F	S2563C	35°	0	1
HU, MM800	FM-X0R6B4	FM-LX6B4	FM-LTX6B4		CW	F	S2563C	35°	0	1
425-6A, 605-6A	FM-X0R6B4B	FM-LX6B4B	FM-LTX6B4B		CW	F	BT2563C	50°	0	1
Universal Motor Co.										
BN-347, BHM	FM-X4A30C				CW	B	WZ2563C	25°	0	
AFT-173	FM-P1-2A30				CW	B	TY2563C	15°	0	
Waukesha Motor Co.										
XAH, XAHU, X, XA, XAK	FM-X4A8B	FM-LP4A8B	FM-LTP4A8B		CW	B	T2563C	15°	0	1,3

ENGINE MODEL	HIGH TENSION	SEMI-LOW TENSION	LOW TENSION STANDARD	LOW TENSION HEAVY DUTY	ROT.	MTG.	COUPLING TYPE	LAG ANGLE	LUG ANGLE	NOTE
Waukesha Motor Co. (Cont.)										
ICK, ICKU, FC, FCS, FK, FL, FS	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	CCW	F	JV2563C	40°	-50°	1
195GL,195GLC,195GK, 195GKA, 195GKU	FM-X0R6B8C	FM-LX6B8B	FM-LTX6B8B	FM-LTR6B8A	CW	F	HW2563C	40°	+10°	2
		FM-LX6B8B-2	FM-LTX6B8B-2	FM-LTR6B8A-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	CW	F	HW2563C	40°	+10°	2
		FM-LX6B8A-1	FM-LTX6B8A-1	FM-LTR6B8A-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	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
180GL	FM-XV4C44				CCW	F	AW2563C	12½°	-25°	
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, LROR, LRZ, WKR, MZA				FM-LTR6A8	CW	B	PU2563C	40°	0	1,3,9
				FM-LTR6A8A	CW	B	PU2563C	30°	0	1,3,9
				FM-LTR6A8B	CW	B	BT2563C	50°	0	1,3,9
VLRO				FM-LTR6A8D	CCW	B	SW2563C	40°	0	1,3, 9,11
				FM-LTR6A8E	CCW	B	CT2563C	50°	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	
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.
9. Requires C2862B Float Disc.
10. Impulse Couplings for 4 and 6 Cyl. engines require heavy drive spring.
11. Two Magnetos per engine.