

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
2G-2673	LEE-NORSE CO. TRANSFERRED TO INGERSOLL-RAND CO. TRANSFERRED TO SIMMONS-RAND TRANSFERRED TO LONG- AIRDOX TRANSFERRED TO DBT AMERICA	5/14/73	MODEL CM35Y-1K, 250 VDC WITH THREE 75 HP MOTORS, MINER
2G-2676A	LEE-NORSE CO. TRANSFERRED TO INGERSOLL-RAND CO. TRANSFERRED TO SIMMONS-RAND TRANSFERRED TO LONG- AIRDOX TRANSFERRED TO DBT AMERICA	5/24/73	MODEL CM285E-1E/60, -1EE/60, 440/550 VAC, 3PH, 60HZ WITH THREE 25 HP, TWO 30/15 HP AND TWO 125HP MOTORS, MINER
2G-2682A	LEE-NORSE CO. TRANSFERRED TO INGERSOLL-RAND CO. TRANSFERRED TO SIMMONS-RAND TRANSFERRED TO LONG- AIRDOX TRANSFERRED TO DBT AMERICA	06/01/73	TYPE HH-456-1E/60, 440 VAC, 3PH, 60HZ WITH THREE 150 HP MOTORS, MINER
2G-2690A	JEFFREY MINING MACHINERY DIV.	06/25/73	TYPE 120 MA1-F, 120MB1-F, 121 MA1-F OR 121 MB1-F, 575VAC, 3PH, 60HZ WITH TWO 275HP MOTORS, "HELIMINER"
2G-2693A	NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV	08/02/73	TYPE 3080, 44/550 VAC, 3PH, 60HZ WITH TWO 200HP, TWO25HP, TWO 30/50/60HP, AND ONE 50HP MOTORS, DRUM MINER

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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2G-2697A	JEFFREY MINIG MACHINERY DIV	07/02/73	TYPE 120 LA1-F, 120LB1-F, 121LA1-F AND 121 LB1-F, 575VAC, 3PH, 60HZ WITH TWO 225HP MOTORS, “HELIMINER”
2G-2702A	BADGER MFG CORP	07/02/73	440VAC, 3PH, 60HZ WITH ONE 150HP AND ONE 20HP MOTOR, COAL-BADGER DEEP MINING AUGER MACHINE
2G-2716A	LEE-NORSE CO TRANSFERRED TO INGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX	08/27/73	MODEL HH606-1E/60, - 1EE/60, 440/550 VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER
2G-2726A	JEFFREY MINING MACHINERY DIV	09/06/73	TYPES 120 LA1-G, 121 LA1-G, 120LB1-G AND 121 LB1-G, 995VAC, 3PH, 60HZ WITH TWO 225HP MOTORS, “HELIMINER”
2G-2727A	ALPINE EQUIPMENT CORPORATION	03/01/74	MODEL AM50, 440/550VAC, 3PH, 60HZ WITH ONE 134HP AND FIVE 18HP MOTORS, MINER
2G-2740A	JEFFREY MINING MACHINERY DIV	11/07/73	TYPE 101 MCI-C WITH 94-L BRIDGE CONVEYOR, 460VAC, 3PH, 60HZ WITH THREE 95HP AND ONE 7-1/2HP MOTOR
2G-2742A	JOY MFG. CO NAME CHANGE TO JOY MINING MACHINERY	10/26/73	TYPE 12CM1-15BX, 950VAC, 3PH, 60HZ WITH THREE 175HP,

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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			ONE 65HP AND TWO 35HP MOTORS, MINER
2G-2752A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX	12/26/73	TYPES HH106-1V/60, HH106-2V/60, HH106- 1E/1EE/60, AND HH106-2E/2EE/60, 440, 550/950VAC, 3PH, 60HZ WITH THREE 150HP, OR THREE 150HP AND TWO 25HP MOTORS, MINER
2G-2775A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX	03/06/74	TYPE CM28H-6E/60, - 6EE/60, -7E/60, -7EE/60, -8E/60 AND 8EE/60, 440/550VAC, 3PH, 60HZ WITH FOUR 50HP MOTORS, CONTINUOUS MINER
2G-2798A	JEFFREY MINING MACHINERY DIV	08/23/74	TYPES 120LA1-F, 120LB1-F, 121LA1-F AND 121LB1-F, 575VAC, 3PH, 60HZ WITH TWO 225HP MOTORS, RADIO REMOTE HELIMINER CONTINUOUS MINER
2G-2818A	JEFFREY MINING MACHINERY DIV	11/27/74	TYPES 120LA1-G, 120LB1-G, 121LA1-G AND 121LB1-G, 995VAC, 3PH, 60HZ WITH TWO 225HP MOTORS, HELIMINER CONTINUOUS MINERS WITH OPT. REMOTE CONTROL
2G-2824A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG-	01/28/76	TYPE HH106E-1E, 1EE/60, 440/550VAC, 3PH, 60HZ WITH TWO 150HP, ONE 40HP, TWO 25HP AND TWO 30HP MOTORS, MINER

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
	AIRDOX		
2G-2827	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX	10/20/75	MODEL CM35-3K, 250VDC WITH THREE 50HP MOTORS, MINER
2G-2833A	JOY MFG CO	02/13/75	MODEL 12CM2-8BH, 440VAC, 3PH, 60HZ WITH ONE 200HP, ONE 65HP, ONE 50HP AND TWO 35HP MOTORS, MINER
2G-2840A	THE DOSCO CORP	05/27/75	TYPE ISM, 440VAC, 3PH, 60HZ WITH THREE 50HP MOTORS, "INSEAM" MINER
2G-2841A	JEFFREY MINING MACHINERY DIV	03/13/75	120HR1-J OR 121HR1-J, 4160VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, "HELIMINER"
2G-2843A	NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINER DIV	10/21/76	TYPE 3080, 950VAC, 3PH, 60HZ WITH TWO 200HP, TWO 25HP, TWO 60HP AND ONE 50HP MOTORS, MINER WITH ELECTRIC TRAM DRIVE
2G-2844A	BADGER MFG CO	05/05/75	MODEL K/1-A, 440/460VAC, 3PH, 60HZ WITH ONE 50 AND ONE 20HP MOTOR, "KERF/ONE" MINING MACHINE
2G-2845A	LEE-NORSE CO	12/16/75	MODELS HH386-1-

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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	TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX		1E/1EE AND HH386-1- 2E/2EE, 440/550VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER
2G-2853A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX	03/29/76	MODELS HH266-1-1E AND HH266-1-1EE, 440/550VAC, 3PH, 60HZ WITH THREE 100HP MOTORS, CONTINUOUS MINER
2G-856A	JOY MFG CO	05/05/75	9CM-3AKK, 550VAC, 3PH, 60HZ WITH ONE 115HP, TWO 90HP AND ONE 50HP MOTOR, MINER
2G-2861A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX	12/12/75	MODEL CM45E-6E/60, 440VAC, 3PH, 60HZ WITH THREE 150HP AND ONE 50HP MOTORS, CONTINUOUS MINER
2G-2866A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX	07/23/75	MODEL HH386-2-IV, 950VAC WITH THREE 150HP MOTORS, REMOTE CONTROL MINER
2G-2874A	JEFFREY MINING MACHINERY DIV	06/26/75	101MC1-C WITH 94L BRIDGE CONVEYOR, 460VAC, 3PH, 60HZ WITH THREE 95HP MOTORS, "HELIMATIC" MINER
2G-2879A	LEE-NORSE CO	10/03/75	MODELS HH455-9

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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	TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX		AND HH455-11, 950VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER
2G-2890A	WILCOX MFG DIV, FAIRCHILD, INC	09/19/75	MODEL MARK 20-A, 460/550VAC WITH TWO 100HP AND TWO 15HP MOTORS, CONTINUOUS MINER
2G-2893A	JARVA, INC.	11/24/75	MARK 12-1200 (TUNNEL BORER WITH UTILITY TRAILER AND TRAILING CONVEYOR), 440VA 3PH, 60HZ WITH FOUR 150HP, ONE 40HP, TWO 10HP AND THREE 1HP MOTORS, MINER
2G-2904A	JOY MFG CO	10/30/75	MODEL 11CM-2AX, 950VAC, 3PH, 60HZ WITH TWO 175HP, TWO 50HP, TWO40HP AND TWO 15HP MOTORS, MINER
2G-2917A	JOY MFG CO	01/16/76	12CM6-10BVW, 950VAC, 3PH, 60HZ WITH TWO 155HP, ONE 60HP, TWO 35HP AND ONE 50HP MOTORS, MINER
2G-2920A	JEFFREY MINING MACHINERY DIV	02/03/76	TYPES 120 HA1-G, 120 HB1-G, 121 HA1-G AND 121 HB1-G, 995VAC, 3PH, 60HZ WITH TWO 275HP MOTORS, "HELMINER"

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
2G-2930A	DOSCO CORP	02/23/76	460/575VAC, 3PH, 60HZ WITH ONE 120/145HP MOTOR, "DINTHEADER" MINER
2G-2955A	JOY MFG CO	05/03/76	MODEL 15CM1-8AKK, 550VAC, 3PH, 60HZ WITH TWO 90HP, TWO 50HP AND FOUR 30/15HP MOTORS, MINER
2G -2957A	NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV	05/28/80	TYPE 5012, 550VAC, 3PH, 60HZ WITH TWO 200HP, ONE 50HP, TWO 25HP AND TWO 7.5-60HP MOTORS, DRUM MINER
2G-2959A	JOY MFG CO	06/09/76	MODELS 14CM3-11AH/AKKK AND 14CM4-11AH/AKK, 400/550VAC, 3PH, 60HZ WITH TWO 90HP, TWO 50HP AND TWO 35HP MOTORS, MINER
2G-2963A	NORTH AMERICAN GALIS	06/04/76	MODEL 40, 440/460/550VAC, 3PH, 60HZ WITH ONE 125HP MOTOR, "COAL MAKER AUGER MINER"
2G-2966	FAIRCHILD, INC.	07/22/76	MODEL MARK 20-D, 240VDC WITH TWO 60HP AND TWO 10HP MOTORS, MINER
2G-2972A	LEE-NORSE CO TRANSFERRED TO IGEROLL-RAND CO TRANSFERRED TO	11/04/76	MODELS CM 365-1-1E AND CM365-1-1E, 440/550VAC, 3PH, 60HZ WITH THREE

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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	SIMMONS-RAND CO TRANSFERRED TO LONG-AIRDOX		150HP AND TWO 25HP MOTORS, MINER
2G-2984A	LONG-AIRDOX CO	10/08/76	MODEL FDC-412, 440VAC, 3PH, 60HZ WITH TWO 200HP MOTORS, CONTINUOUS MINER
2G-2989A	JEFFREY MINING MACHINERY DIV	09/09/76	TYPES 120 LA1-C, LB1-C, 121 LA1-C AND 121 LB1-C, 460VAC, 3PH, 60HZ WITH TWO 225HP AND ONE 15HP MOTORS, "HELIMINER"
2G-2995A	JEFFREY MINING MACHINERY DIV	09/18/76	TYPE 120H2-F, 575VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, "HELIMINER"
2G-2998A	JEFFREY MINING MACHINERY DIV	10/14/76	TYPES 122 MA1-C AND 122MB1-C, 460VAC, 3PH, 60HZ WITH TWO 275HP MOTORS, "HELIMINER"
2G-3000A	LEE-NORSE CO TRANSFERRED TO ITERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG-AIRDOX	01/27/77	MODEL CM35Y-2E/60, 440VAC, 3PH, 60HZ WITH THREE 75HP MOTORS OR THREE 75 AND TWO 6HP MOTORS, MINER
2G-3010A	LEE-NORSE CO TRANSFERRED TO	02/08/77	MODEL CM45M-2-2E, 440VAC, 3PH, 60HZ

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
	IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX		WITH TWO 175HP, ONE 150JP AND ONE 50HP MOTORS, MINER
2G-3011A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX	03/09/77	MODELS HH486E-1-1E AND HH486E-1-1EE, 440/550VAC, 3PH, 60HZ WITH TWO 150HP, ONE 40HP, TWO 25HP AND TWO 30HP MOTORS, CONTINUOUS MINER
2G-3012A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG- AIRDOX	04/06/77	MODEL HH386E-1-1V, 950VAC, 3PH, 60HZ WITH TWO 150HP, ONE 40HP, TWO 25HP AND TWO 30HP MOTORS, HARDHEAD MINER
2G-3013A	ANDERSON MAVOR (USA) LTD. TRANS. TO LONG AIRDONX LONGWALL	12/16/87	MODEL 1, 460/575/960VAC, 3PH, 60HZ WITH TWO 80HP MOTORS, BOOM MINER
2G-3016A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANS. TO LONG-AIRDOX	01/21/77	MODEL HH486-5-IV, 950VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER
2G-3021A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANS. TO LONG-AIRDOX	04/19/77	MODEL CM38H-2-2M, 550VDC WITH THREE 75HP MOTORS, MINER
2G-3025A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO	04/14/77	MODEL CM26H-1-6E AND CM26H-1-6EE, 440/550VAC, 3PH,

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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	TRANSFERRED TO SIMMONS-RAND CO TRANS. TO LONG-AIRDOX		60HZ WITH FOUR 100HP MOTORS, MINER
2G-3031A	JOY MFG CO	06/15/77	TYPE 14CM5, 440VAC, 3PH, 60HZ WITH TWO 35, TWO 50 AND TWO OPT. 135 OR 175HP MOTORS, MINER
2G-3033A	LEE-NORSE CO TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANS. TO LONG-AIRDOX	07/06/77	MODEL HH546-2-1E, 440VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER
2G-3057A	JEFFREY MINING MACHINERY DIV	09/15/77	TYPE 120H2-G, 995VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, "HELMINER"
2G-3082A	ARMCO CONSTRUCTION SERVICES	05/01/78	TYPE 122MAI-J AND 122MBI-J, 4160VAC, 3PH, 60HZ WITH TWO 275HP MOTORS, "HELMINER" CONTINUOUS MINER
2G-2095A	ARMCO CONSTRUCTION SERVICES	06/22/78	MODEL MARK9, 975VAC, 3PH, 60HZ WITH THREE 125HP, ONE 60HP, ONE 13HP, ONE 2HP, AND ONE 1HP MOTOR, TUNNEL BORING MACHINE
2G-3123A	FAIRCHILD, INC	11/22/78	MODEL MARK 22, 440/550VAC, 3PH, 60HZ WITH TWO

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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			100HP AND ONE 15HP OR ONE 10HP MOTOR, MINER
2G-3141A	APPLIED MINING EQUIPMENT AND SERVICES CO	03/12/79	MODEL CAU-48, 460VAC, 3PH, 60HZ WITH ONE 40HP AND ONE 150HP MOTOR, AUGER MINER
2G-3159A	MONTGOMERY MINING MACHINE MFG	07/27/79	MODEL 1820, 460VAC, 3PH, 60HZ WITH TWO 35HP MOTORS, MINIMINER
2G-3173A	VOEST-ALPINE INTERNATIONAL	09/28/79	MODEL AM50, 440/550VAC, 3PH, 60HZ WITH ONE 150JP AND FIVE 16HP MOTORS, MINER
2G-3174A	VOEST-ALIPINE INTERNATIONAL	10/16/79	MODEL F6-A, 440/550VAC, 3PH, 60HZ WITH ONE 44HP AND FIVE 9HP MOTORS, MINER
2G-3182A	NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV	09/27/79	MODEL 2460, 440/550/950VAC, 3PH, 60HZ WITH TWO 25HP, TWO 125HP, ONE 40HP AND TWO 30HP MOTORS, MINER
2G-3204A	AEC INC, TRANSFERRED TO E.T.E.	01/15/80	MODELS 135F, 180F AND 230F, 950VAC, 3PH, 60HZ WITH ONE 150HP, 100HP, OR 55HP MOTORS, ONE 60HP MOTOR, AND TWO

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
			10HP MOTORS, ROC-MINERS
2G-3206A	AEC INC, TRANSFERRED TO E.T.E.	01/17/80	MODELS 330, L330 AND H330, 440/550VAC, 3PH, 60HZ WITH ONE 165HP, TWO 30HP, AND ONE 165HP, OR 165/110HP OR 215HP MOTORS, MINER
2G-3227A	JOY MFG CO	04/16/80	MODEL 12CM, 440/550 AC, MINER
2G-3248A	JOY MFG CO	06/19/80	MODEL 15CM WITH TWO 95 OR 110HP, ONE 40 OR 50HP, TWO 15, 30, OR 40HP, AND ONE 35HP AC MOTOR, CONTINUOUS MINER
2G-3249A	LEE-NORSE CO TRANSFERRED TO INGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANS. TO LONG-AIRODX	06/12/80	MODEL CM285-3-3E/3EE WITH TWO 125HP, TWO 50HP, TWO 25HP AND ONE 25HP MOTOR, MINER
2G-3251A	SALEM TRANSFERRED TO INGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG-AIRODX	06/19/80	MODEL PAURAT E-169, 950VAC, 3PH, 60HZ, ROADHEADING MACHINE
2G-3253A	CARGILL INC	02/04/82	MODEL 330, 440VAC, 3PH, 60HZ WITH ONE 215HP, ONE 165HP, TWO 20HP, ONE 5HP, ONE OPT. 5HP, MOTOR, MINER
2G-3255A	LEE-NORSE CO	08/01/80	MODEL LN800-/1EE,

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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	TRANSFERRED TO IGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANS. TO LONG-AIRDOX		440/550VAC, 3PH, 60HZ WITH TWO 150HP, TWO 25HP, ONE 50HP, AC MOTOR, AND TWO 65HP, 600VDC TRACTION MOTORS, MINER
2G-3261A	JEFFREY MINING MACHINERY DIV	08/08/80	MODEL 1028, 460/575VAC, 3PH, 60HZ WITH TWO 95HP, AND ONE 50HP, ONE 65HP AC MOTOR, AND TWO 35HP 250VDC MOTORS, MINER
2G-3265A	AEC INC, TRANSFERRED TO E.T.E.	09/19/80	MODELS 125E, 200E, AND 250E, 440/550VAC, 3PH, 60HZ WITH ONE 55, 100 OR 150HP, TWO 10 OR 20HP, ONE 10 OR 20HP AC MOTOR, AND TWO 20/6.7HP 600 VDC MOTORS, CONTINUOUS MINER
2G-3267A	JOY MFG CO	09/19/80	MODEL 14CM, 440/550VAC, 3PH, 60HZ WITH TWO 110/125/135/175HP, ONE 50HP, ONE50/60HP AND TWO 35HP 250VDC TRACTION MOTORS, MINER
2G-3273A	JOY MFG CO	11/13/80	MODEL 15CM, 950VAC, 3PH, 50/60HZ WITH TWO 90 OR 100HP, TWO 15/30 OR 40HP, ONE 50HP AND ONE 35 OR 50HP

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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			CONVEYOR MOTOR, REMOTE CONTROL MINER
2G-3284A	NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV	12/17/80	MODEL 5012-S, 440/550/950VAC, 3PH, 50/60HZ WITH ONE 50HP, TWO 60HP, TWO 25HP AND TWO 200HP MOTORS, MINER
2G-3297A	JOY MFG CO	04/14/81	MODEL 14CM, 440/550VAC, 3PH, 60HZ WITH TWO 90HP, ONE 50 OR 70HP MOTOR, ONE 50HP AC MOTOR AND TWO 35HP TRACTION MOTORS, CONTINUOUS MINER
2G-3300A	VOEST-ALPINE INTERNATIONAL	04/02/81	MODEL F6-A, 950/1000VAC, 3PH, 60HZ WITH ONE 55HP AND FIVE 9HP MOTORS, ALPINE MINERS
2G-3301A	JOY MFG CO	04/24/81	MODEL 14CM3/4, 950VAC, 3PH, 60HZ WITH TWO 90HP, ONE 50 OR 70JP, ONE 50HP AC MOTORS AND TWO 35HP 250VDC TRACTION MOTORS, MINER
2G-3305A	NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV	05/13/81	MODEL 3080, 440/550VAC, 3PH, 60HZ WITH ONE 50HP, TWO 7.5 TO 60HP OR 10.5 TO 50HP, TWO 25HP AND TWO 200HP MOTORS, MINER

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
2G-3311A	JEFFREY MINING MACHINERY DIV	06/12/81	TYPES 123H AND 120H2, 4160VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, “HELIMINER”
2G-3328A	JOY MFG CO	09/01/81	MODEL 15CM, 440/550VAC, 3PH, 6HZ WITH TWO 90HP OR 100HP, ONE 50HP, ONE 50HP OR 35HP AND FOUR 30/15 DUEL HP MOTORS, REMOTE CONTROL MINER
2G-3334A	JOY MFG CO	09/28/81	MODEL 12CM, 950VAC, 3PH, 60/50HZ WITH TWO 175/135/125/110/95HP, 60HZ OR 115/120/110/75HP, 50HZ MOTORS, ONE 70/65HP, 60HZ OR 60HP, 50HZ MOTOR, ONE 50HP
2G-3335A	JOY MFG CO	09/30/81	MODEL 14CM, 950VAC, 3PH, 60/50HZ WITH TWO 175/135HP, 60HZ, OR 155HP, 50HZ MOTORS, ONE 50HP, 60/50HZ MOTOR, ONE 70/50HP, 60HZ OR 60/45HP, 50HZ MOTOR, TWO 35HP, 250VDC MOTORS, AND ONE 60HZ ONLY 30HP, DUST COLLECTING MOTOR, MINER
2G-3356A	LEE-NORSE CO. TRANSFERRED TO INGERSOLL-RAND CO. TRANSFERRED TO	12/30/81	MODEL LN-800-IV, 950VAC, 3PH, 60HZ WITH TWO 65HP OR 53HP, 532 OR 600VDC

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

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	SIMMONS-RAND TRANSFERRED TO LONG- AIRDOX TRANSFERRED TO DBT AMERICA		MOTORS AND TWO 150HP, TWO 30 OR 40HP AND ONE 50HP AC MOTORS, CONTINUOUS MINER
2G-3358A	JEFFREY MINING MACHINERY DIV	12/22/81	TYPE 1036, 460/575/995VAC, 3PH, 60HZ WITH TWO 125HP, ONE 50HP, ONE 65HP AC MOTORS AND TWO 35HP, 250VDC MOTORS, MINER
2G-3361A	JOY MFG CO	01/12/82	MODEL 14CM, 440/550VAC, 3PH, 60HZ WITH TWO 110, 125, 135, OR 175HP, ONE 50 OR 70HP, ONE 50HP AC MOTORS AND TWO 35HP 250 VDC MOTORS, MINER
2G-3364A	JOY MFG CO	02/17/82	MODEL 14CM7/8, 440/550VAC, 3PH, 60HZ WITH TWO 110/125/135/175HP, ONE 50HP, ONE 50/60HP AC MOTORS AND TWO 35HP 250 VDC MOTORS, MINER
2G-3375A	JEFFREY MINING MACHINERY DIV	03/30/82	TYPES 120H2, 123H, AND 123HR, 460/575/995VAC, 3PH, 60HZ WITH TWO 300HP AND TWO OPT. 20HP MOTORS, MINER
2G-3376A	JEFFREY MINING MACHINERY DIV	03/26/82	TYPES 120H2, 123H, 123HR, 460/575/995VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, AND

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
			TWO OPT. 20HP MOTORS, CONTINUOUS MINER
2G-3380A	VOEST-ALPINE INTERNATIONAL	04/22/82	MODEL AM50 WITH OPT. ROOF BOLTER, 950/1000VAC, 3PH, 60HZ WITH ONE 150, FIVE OR SIX 16HP AND ONE OPT. 9HP MOTORS, ALPINE MINER
2G-3387A	ACME MACHINERY	04/21/82	MODEL AMB-1, 440/550VAC, 3PH, 60HZ WITH TWO 100HP MOTORS, MINER BOLTER MACHINE
2G-3392A	JEFREY MINING MACHINERY DIV	05/13/82	TYPES 120H2, 123H, AND 123HR, 4160VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, MINER
2G-3398A	DOSCO CORP	06/23/82	MODEL TB2000, 950VAC, 3PH, 60HZ WITH TWO 200HP AND ONE 300HP MOTORS, MINER
2G-3413A	JEFFREY MINING MACHINER DIV	08/10/82	TYPE 120HR, 460/575/995VAC, 3PH, 60HZ WITH TWO 300HP AND TWO OPT. 20HP MOTORS, CONTINUOUS MINER
2G-3437A	JOY MFG CO	11/04/82	MODEL 12CM/12HM, 440/500/550VAC, 3PH, 60/50/60HZ WITH TWO95, 110, 125, 135,

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
			155 OR 175HP, ONE 50 OR 60HP, TWO 35HP, ONE 60, 65 OR 75HP, AND OPT. ONE OR TWO 6HP, ONE 25HP OR ONE 30HP MOTOR, MINER
2G-3442A	DOSCO CORP.	11/18/82	MODEL LH1300, 950VAC, 3PH, 60HZ WITH ONE 230HP, ONE 145HP AND ONE 80HP MOTOR, MINER
2G-3453A	NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV	01/17/83	MODEL 2460, 440, 550, OR 950VAC, 3PH, 60HZ WITH TWO 25, TWO 125, ONE 40 AND TWO 30/15/7.5HP MOTORS, MINER
2G-3459A	JOY MFG CO	02/23/83	MODEL 12CM/12HM, 440/500/550VAC, 3PH, 60/50/60HZ WITH TWO 95, 110, 125, 135, 155 OR 175HP, ONE 50, 60 OR 70HP, ONE 60, 70, 75HP AND ONE (OPT) 30HP MOTORS, AND TWO 35HP, 250VDC MOTORS, CONTINUOUS MINERS
2G-3460A	JOY MFG CO	02/16/83	MODEL 14CM, 950VAC, 60HZ WITH TWO 125, 135, OR 175HP, ONE 50 OR 70HP, ONE 35 OR 50HP AND ONE (OPT) 30HP AC MOTORS, AND TWO 35HP, 250VDC MOTORS, CONTINUOUS MINER

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
2G-3498A	JOY MFG CO	09/14/83	TYPE 12HM, 950VAC, 3PH, 60HZ WITH TWO 225HP, TWO 70HP, TWO 40HP AND TWO 25HP MOTORS, AND 35HP, 250VDC MOTORS, CONTINUOUS MINER
2G-3502A	JEFFREY MINING MACHINERY DIV	10/07/83	TYPE 1036, 460/575VAC, 3PH, 60HZ WITH TWO 125HP, ONE 50HP AND ONE 65 MOTORS, AND TWO 35HP, 250VDC MOTORS, FULL FLOW CONTINUOUS MINER
2G-3520A	LEE-NORSE CO TRANSFERRED TO INGERSOLL-RAND CO TRANSFERRED TO SIMMMONS-RAND CO TRANSFERRED TO LONG AIRDOX	01/19/84	MODEL E-134, 440/550V, 3PH, 60HZ, AC, WITH ONE 150/300HP CUTTER MOTOR, ONE 100HP PUMP MOTOR, AND (2) 40HP CONVEYOR MOTORS, PAURAT ROADHEADER MINER
2G-3522A	NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV	03/16/84	TYPE 780ACD, 4160VAC, 3PH, 60HZ WITH ONE 150HP PUMP MOTOR AND TWO 300HP ROTO MOTORS, BORING MACHINE
2G-3537A	JEFFREY MINING MACHINERY DIV	05/24/84	TYPE 1028, 460/575VAC, 3PH, 60HZ WITH TWO 35HP, 250VDC TRAM MOTORS, TWO 125HP AUGER MOTORS, ONE 65HP CONVEYOR

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
			MOTOR AND ONE 50HP PUMP MOTOR, 460/575VAC, FULL FLOW CONTINUOUS MINER
2G-3559A	JEFFREY MINING MACHINERY DIV	08/03/84	TYPE 1028HPS AND 1036HPS, WITH OPT. RADIO REMOTE CONTROL FULL FLOW CONTINUOUS MINER
2G-3561A	JEFFREY MINING MACHINERY DIV	08/15/84	TYPE 1036, 460/575VAC, 3PH, 60HZ, FULL-FLOW CONTINUOUS MINER
2G-3562A	JOY MFG CO	08/16/84	MODEL 14CM, 950VAC, 3PH, 60HZ, CONTINUOUS MINER
2G-3563A	JEFFREY MINING MACHINERY DIV	08/23/84	TYPE 1028, 460/575VAC, 3PH, 60HZ, FULL FLOW CONTINUOUS MINER
2G-3572A	JOY MFG CO	10/05/84	MODEL 14CM 9/10, 440/550VAC, 3PH, 60HZ, CONTINUOUS MINER
2G-3575A	DOSCO CORP	10/29/84	MODEL SL120, 480.575/950VAC, 3PH, 60HZ, CONTINUOUS MINER
2G-3578A	JOY MFG CO	11/23/84	MODEL 15CM, 440/550VAC, 3PH, 60HZ, CONTINUOUS MINER
2G-3579A	JEFFREY MINING MACHINERY DIV	11/23/84	TYPE 1028HPS AND 1036HPS, 460/575VAC,

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
			3PH, 60HZ, CONTINUOUS MINER
2G-3583A	JEFFREY MINING MACHINERY DIV	12/12/84	TYPE 1028, 460/575/995VAC, 3PH, 60HZ, FULL FLOW CONTINUOUS MINER
2G-3584A	NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV	12/24/84	MODEL 3612, 440/550/950VAC, 3PH, 60HZ, OR 950VAC, 3PH, 50HZ, CONTINUOUS MINER
2G-3594A	VOIEST-ALPINE INTERNATIONAL	02/19/85	MODEL AM 75, 1000V, 30PH, 60HZ, AC ALPINE MINER
2G-3612A	E.T.E.	05/09/85	MODEL ET-110, 440/460/550VAC OR 950VAC, 3PH, 50 OR 60HZ, BOOM TYPE CONTINUOUS MINER/ROADHEADER
2G-3621A	INGERSOLL-RAND TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX	05/30/85	MODEL LN200-IV, 950VAC, 3PH, 60HZ, CONTINUOUS MINER
2G-3641A	ROBBINS	10/09/85	MODEL NO. SBM221- 5001, 950VAC, 3PH, 60HZ, SHAFT BORING MACHINE
2G-3642A	INGERSOLL-RAND TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX	10/11/85	MODEL LN200-3E/3EE, 440/550VAC, 3PH, 60HZ, CONTINUOUS MINER

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
2G-3644A	INGERSOLL-RAND TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX	11/06/85	MODEL LN800,440/550/950VAC, 3PH, 60HZ, CONTINUOUS MINER
2G-3658A	INGERSOLL-RAND TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX	03/18/86	MODEL LN200, 440/550/950VAC, 3PH, 60HZ, CONTINUOUS MINER
2G-3694A	DOSCO	11/10/86	MODEL R.I.S.M. CONTINUOUS MINER
2G-3719A	EIMCO COAL MACHINERY DIV	08/10/87	MODEL 2460 CONTINUOUS MINER 440/550/950V, 3PH, 50 AND 60HZ
2G-3725A	JOY MACHINERY	10/23/87	MODEL 12CM/12HM, 440/550V, 60HZ, 3PH, A.C., CONTINUOUS MINER
2G-3733A	INGERSOLL-RAND TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX	11/25/87	MODEL LN200, 440/550/950V, 3PH, 60HZ, ALT. CURRENT, CONTINUOUS MINER
2G-3734A	VOEST-ALPINE INTERNATIONAL	12/03/87	MODEL AM65, 440/550/1000V, 3PH, 60HZ, A.C. MINING MACHINE
2G-3737A	JOY TEHCNOLOGIES	12/17/87	MODEL 14CM, 950V, 3PH, 60HZ, A.C. CONTINUOUS MINER
2G-3572A	JEFFREY MINING MACHINERY DIV	04/08/88	TYPE 1036 HP/SRB, 995V, 3PH, 60HZ A.C. CONTINUOUS MINER

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
2G-3759A	EIMCO COAL MACHINERY DIV	06/03/88	MODEL 2810, 440/550/950V, 60HZ, OR 950V, 50HZ, 3PH, A.C. CONTINUOUS MINER
2G-3763A	SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX	08/08/88	MODEL SR-700 & SR- 900, 440/550/950V, 3PH, 60HZ, AC CONTINUOUS MINER
2G-3780A	FAIRCHILD INTERNATIONAL	11/21/88	MODEL 410, 460/575V, 3PH, 60HZ, AC CONTINUOUS MINER
2G-3810A	JEFFREY MINING MACHINERY DIV	06/27/89	TYPE 1060 OR 1060HP, 4160V, 3PH, 60HZ, AC CONTINUOUS MINER
2G-3857A	DOSCO CORP.	10/13/90	MODEL MK3, 950V, 3PH, 60HZ, CONTINUOUS MINER
2G-3883A	PRAIRIE MACHINE PARTS MFG	08/26/91	MODEL 8496, 4160V, 3PH, 60HZ., TWIN ROTOR MIN
2G-3885A	JEFFREY MINING MACHINERY DIV	09/11/91	MODEL 1026, 995V, 3PH, 60HZ., CONTINUOUS MINER
2G-3887A	JEFFREY MINING MACHINERY DIV	09/27/91	MODEL 1038, 995V, 3PH, 60HZ, CONTINUOUS MINER
2G-3916A	JOY TECHNOLOGIES	10/06/92	MODEL 17CM, 950V, 3PH, 60HZ, CONTINUOUS MINER
2G-3964A	VOEST-ALPINE C/O SMC ELEC PRODUCTS INC.	08/11/94	MODEL ABM-20, 1000V, 3PH, 60HZ, BOLTER/MINER
2G-3996A	JOY MINING MACHINERY	11/30/95	MODEL 12CM/12HM, 950V, 3PH, 60HZ, CONTINUOUS MINER

**APPROVAL AND CERTIFICATION CENTER
MINER APPROVALS**

APPROVAL NO.	COMPANY	ISSUE DATE	DESCRIPTION
2G-4010A	JOY MINING MACHINERY	06/07/96	MODEL 14, 950V, 3PH, 60HZ, CONTINUOUS MINER
2G-4013A	JEFFREY MINING	06/27/96	MODEL 102, 460/575/950V, 3PH, 60HZ, CONTINUOUS MINER
2G-4022A	VOEST ALPINE	10/07/96	MODEL ABM14, 1000V, 3PH, 60HZ, A.C. BOLTER MINER
2G-4023A	JOY MINING MACHINERY	01/12/98	MODEL 12, 2300V, 3PH, 60HZ, CONTINUOUS MINER
2G-4028A	LONG AIRDOX CO.	04/08/97	MODEL CM-2000-XXX, 950V, 3PH, 60HZ, CONTINUOUS MINER
2G-4135A	JOY MINNG MACHINERY	02/20/02	MODEL 14, 2300V, 3PH, 60HA,CONTINUOUS MINER
2G-4138A	DBT AMERICA INC	07/05/02	MODELS 30M1, 30M2 & 30M3, 995V, 3PH, 60HZ, CONTINUOUS MINER
2G-4159A	JOY MINING MACHINERY	07/23/03	MODEL 14, 950V, 3PH, 60HZ, CONTINUOUS MINER