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TECHNICAL INFORMATION SHEET

DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	27,000 LBS.
DECK BEAMS	Formed 12 ga. hi-tensile “A” beams; six on 6’ & 6-1/2’ wide and eight on 7’ wide units. Two 3/16” wedge plate; 12” to 7”.
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	3/8" x 6" Hrs
LIP HINGE	1-5/8” OD x 1-1/8” ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1” dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16” (Gives 10” projection beyond normally mounted 4” bumper.)
LIP	1/2" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	1/2" x 4" Structural steel flat bar with six 3/4" hinge supports and three 3" structural steel channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 1 HP / 115 / 1 PH. / 60 HZ. Optional – 3 PH / 60 HZ.
LIP CYLINDER	One 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	One 2" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.

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DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	30,000 LBS.
DECK BEAMS	Formed 12 ga. hi-tensile “A” beams; six on 6’ & 6-1/2’ wide and eight on 7’ wide units. Two 3/16” wedge plate; 12” to 7”.
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	3/8" x 6" Hrs
LIP HINGE	1-3/4” OD x 1-1/8” ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1” dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16” (Gives 10” projection beyond normally mounted 4” bumper.)
LIP	1/2" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	1/2" x 4" Structural steel flat bar with six 3/4" hinge supports and three 3" structural steel channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 1 HP / 115 / 1 PH. / 60 HZ. Optional – 3 PH / 60 HZ.
LIP CYLINDER	One 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	One 2" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.

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DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	35,000 LBS.
DECK BEAMS	Formed 12 ga. hi-tensile “A” beams; eight on 6’ & 6-1/2’ wide and ten on 7’ wide units. Two 3/16” wedge plate; 12” to 7”.
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	3/8" x 6" Hrs
LIP HINGE	2” OD x 1-1/8” ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1” dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16” (Gives 10” projection beyond normally mounted 4” bumper.)
LIP	5/8" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	1/2" x 4" Structural steel flat bar with six 3/4" hinge supports and three 3" structural steel channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	To suit our standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 1 HP / 115 / 1 PH. / 60 HZ. Optional – 3 PH / 60 HZ.
LIP CYLINDER	One 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	One 2" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.

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DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	40,000 LBS.
DECK BEAMS	6" @ 9 lbs. per ft. wide flange structural steel main beams. (six on 6' & 6-1/2'w & eight on 7'w) Two 3/16" wedge plate; 12" to 7".
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	3/8" x 6" Hrs
LIP HINGE	2-1/4" OD x 1-1/4" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-1/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16" (Gives 10" projection beyond normally mounted 4" bumper.)
LIP	5/8" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	3/4" x 5" Structural steel flat bar with six 1" hinge supports and three 3" structural steel channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 1 HP / 115 / 1 PH. / 60 HZ. Optional – 3 PH / 60 HZ.
LIP CYLINDER	One 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	One 2" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.

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DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	45,000 LBS.
DECK BEAMS	6" @ 9 lbs. per ft. wide flange structural steel main beams. (six on 6' & 6-1/2'w & eight on 7'w) Two 3/16" wedge plate; 12" to 7".
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	1/2" x 6" Hrs
LIP HINGE	2-1/4" OD x 1-1/4" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-1/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16" (Gives 10" projection beyond normally mounted 4" bumper.)
LIP	5/8" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	3/4" x 5" Structural steel flat bar with six 1" hinge supports and three 3" structural steel channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 1 HP / 115 / 1 PH. / 60 HZ. Optional – 3 PH / 60 HZ.
LIP CYLINDER	One 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	One 2" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.

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DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	50,000 LBS.
DECK BEAMS	6" @ 12 lbs. per ft. wide flange structural steel main beams. (six on 6' & 6-1/2'w & eight on 7'w) Two 3/16" wedge plate; 12" to 7".
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	1/2" x 6" Hrs
LIP HINGE	2-1/4" OD x 1-1/4" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-1/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16" (Gives 10" projection beyond normally mounted 4" bumper.)
LIP	5/8" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	3/4" x 5" Structural steel flat bar with six 1" hinge supports and three 3" structural steel channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 1 HP / 115 / 1 PH. / 60 HZ. Optional – 3 PH / 60 HZ.
LIP CYLINDER	One 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	One 2" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.

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DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	60,000 LBS.
DECK BEAMS	6" @ 15 lbs. per ft. wide flange structural steel main beams. (six on 6' & 6-1/2'w & eight on 7'w) 6" @ 8.2 lbs. per ft. structural steel channels side beams. Two 3/16" wedge plate; 12" to 7".
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	1/2" x 8" Hrs
LIP HINGE	2-1/4" OD x 1-1/4" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-1/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16" (Gives 10" projection beyond normally mounted 4" bumper.)
LIP	3/4" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	4" x 6" x 3/8" Structural steel angle with six 1" hinge supports and three 3" structural steel boxed channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 1 HP / 115 / 1 PH. / 60 HZ. Optional – 3 PH / 60 HZ.
LIP CYLINDER	One 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	Two 2" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.

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DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	80,000 LBS.
DECK BEAMS	8" @ 18 lbs. per ft. wide flange structural steel main beams. (six on 6' & 6-1/2'w & eight on 7'w) 8" @ 11.5 lbs. per ft. structural steel channels side beams. Two 3/16" wedge plate; 12" to 7".
DECK PLATE	3/8" thick hi-tensile hrs steel checker plate.
FRONT PLATE	1/2" x 8" Hrs
LIP HINGE	2-1/2" OD x 1-1/2" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-3/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16" (Gives 10" projection beyond normally mounted 4" bumper.)
LIP	3/4" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	4" x 6" x 1/2" Structural steel angle with six 1" hinge supports and three 3" structural steel boxed channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 1 HP / 115 / 1 PH. / 60 HZ. Optional – 3 PH / 60 HZ.
LIP CYLINDER	One 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	Two 2" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.

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DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	100,000 LBS.
DECK BEAMS	8" @ 18 lbs. per ft. wide flange structural steel main beams. (six on 6' & 6-1/2'w & eight on 7'w) 8" @ 11.5 lbs. per ft. structural steel channels side beams. Two 3/16" wedge plate; 12" to 7".
DECK PLATE	1/2" thick hi-tensile hrs steel checker plate.
FRONT PLATE	1/2" x 8" Hrs
LIP HINGE	3-1/2" OD x 1-1/2" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-3/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	18" (Gives 10" projection beyond normally mounted 4" bumper.)
LIP	1" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	4" x 6" x 1/2" Structural steel angle with six 1" hinge supports and three 3" structural steel boxed channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 1 HP / 115 / 1 PH. / 60 HZ. Optional – 3 PH / 60 HZ.
LIP CYLINDER	One 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	Two 2" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.

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DOCK LEVELER

METRO DOCK HYDRAULIC LEVELER

	SPECIFICATIONS
CAPACITY	125,000 LBS.
DECK BEAMS	10" @ 22 lbs. per ft. wide flange structural steel main beams. (six on 6' & 6-1/2'w & eight on 7'w) 8" @ 13.3 lbs. per ft. structural steel channels side beams. Two 3/16" wedge plate; 12" to 7".
DECK PLATE	1/2" thick hi-tensile hrs steel checker plate.
FRONT PLATE	1/2" x 10" Hrs c/w 3/4" x 5-5/8" finger type gussets
LIP HINGE	3-1/2" OD x 1-1/2" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-3/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	18" Lip length
LIP	1" Thick steel plate (minimum yield 50,000 PSI.) c/w 3/4" x 5-5/8" finger type gussets
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	4" x 6" x 1/2" Structural steel angle with eight 1" hinge supports and four 3" x 3" x 1/4" structural steel tubes to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Eight supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
MAINTENANCE STRUT	Hinged on frame with lip support
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
POWER PACK	Standard – 3 HP / 3 PH. / 60 HZ.
LIP CYLINDER	Two 1-1/2" diameter hydraulic cylinder.
LIFT CYLINDER	Two 4" diameter solid rod hydraulic cylinder (Ground and chromed steel rod, minimum 90,000 PSI yield strength with an ultimate tensile strength of 113,000 PSI.)
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder.