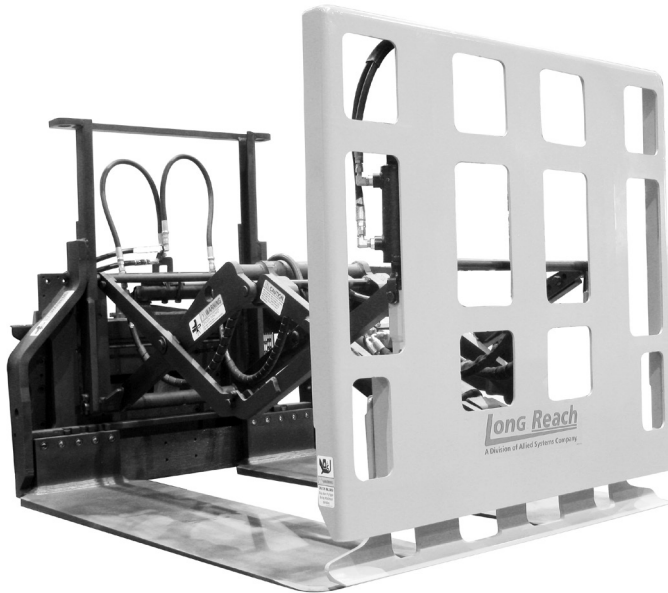


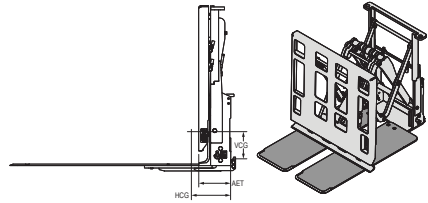
Push/Pull & Load Push



- ◆ Reliable, rugged welded steel pantograph push/pull mechanism with no lubrication required
- ◆ Single cylinder design for low maintenance and simple service
- ◆ Easy platen adjustment
- ◆ Hardened steel rollers and lube-free bushings on push plate and rear frame
- ◆ Push plate field adjustable to 0 or 4 degree angle
- ◆ Easy Class II/III mounting conversion
- ◆ Bolt-on options provide excellent flexibility
- ◆ Options include sideshifting, many platen sizes, hydraulically positionable platens and more

PLFB/LPFB Fork-Mounted Push/Pull & Load Push Models

- Easily mounts to truck forks
- Rugged welded steel design
- Linkage mechanism requires no lubrication



Fork-Mounted Push/Pull, 1 Function

Model Number	Capacity lb @ 24"	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
PLFB-36NMPA840		18 x 40	40 or 46			10.1	12.2	850
PLFB-36NMPA548	3,600	15 x 48	34 or 40	II/III	8.2	10.8	12.2	850
PLFB-36NMPA848		18 x 48	40 or 46			11.6	11.7	885
PLFB-48NMPB840		18 x 40	40 or 46			10.1	12.2	850
PLFB-48NMPB548	4,800	15 x 48	34 or 40	II/III	8.2	10.8	12.2	850
PLFB-48NMPB848		18 x 48	40 or 46			11.6	11.7	885

Fork-Mounted Load Push, 1 Function

Model Number	Capacity lb @ 24"	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LPFB-36NMPA840		18 x 40	40 or 46			10.6	12.8	770
LPFB-36NMPA548	3,600	15 x 48	34 or 40	II/III	8.2	11.3	12.8	770
LPFB-36NMPA848		18 x 48	40 or 46			12.1	12.3	805
LPFB-48NMPB840		18 x 40	40 or 46			10.6	12.8	770
LPFB-48NMPB548	4,800	15 x 48	34 or 40	II/III	8.2	11.3	12.8	770
LPFB-48NMPB848		18 x 48	40 or 46			12.1	12.3	805

Mounting Requirements

All fork-mounted models must be supported by the forks of lift truck for load handling. Truck fork length of 42" to 48" recommended. Models accept maximum fork thickness of 1.75". When attachment is installed, minimum in-to-in truck fork spacing is 22". Ability to latch fork from 22.0 to 24.0 spacing required.

Minimum Truck Carriage Width

Minimum carriage width is 22" plus 2 times the truck fork width.

Recommended Hydraulic Supply

Model Number	Min	Max	Rec – Max psi
5,500/Class II	8	10	2,200–3,000
10,000/Class III	8	10	2,200–3,000
12,000-15,000/Class IV	8	10	2,200–3,000

Hydraulic flow less than minimum will reduce operating speed and cause irregular operation. Higher flows may result in heat build up, erratic operation and damage to the unit. Consult factory for recommended flow control valve and available tank line kits.

Optional Features

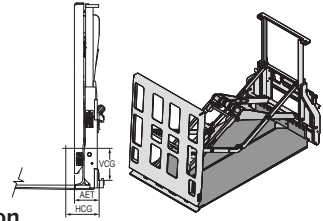
Options
Push plate extensions (standard faceplate is 40" wide x 40" high), height to 48"
Width to 48"
Non-standard platen sizes
Non-standard push plate over platen clearance (load push only) 3" gap standard on load push models
Quick disconnect hydraulic couplings
Sideshift – PLF/LPF mounts on a standard ITA Class II or III sideshifter. Recommended width of 32" or wider.

Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	1
YHJL-6-D-30	2
YHJL-8-D-30	2

PLPB 36/48 Series Push/Pulls

- Rugged welded steel design
- Easy Class II/III mounting conversion
- Bolt-on options add flexibility
- Linkage mechanism requires no lubrication



Non-Sideshifting with Manually Adjustable Platens, 1 Function

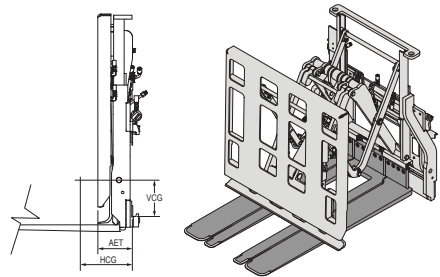
Model Number	Capacity lb @ 24"	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in.)	HCG (in)	VCG (in)	Weight (lb)
PLPB-36NMPA548	3,600	15 x 48	34-42	II	6.7	8.3	10.7	1,105
PLPB-36NMPA848		18 x 48	37-45			9.2	10.1	1,155
PLPB-48NMPB548	4,800	15 x 48	34-42	II	6.7	8.6	10.3	1,134
PLPB-48NMPB848		18 x 48	37-45			9.5	9.8	1,190
PLPB-48NMPB548		15 x 48	34-42	III		8.6	10.3	1,155
PLPB-48NMPB848		18 x 48	37-45			9.5	9.8	1,210

Sideshifting with Manually Adjustable Platens, 2 Functions

PLPB-36SMPA548	3,600	15 x 48	34-42	II	6.7	8.3	10.7	1,115
PLPB-36SMPA848		18 x 48	37-45			9.2	10.1	1,165
PLPB-48SMPB548	4,800	15 x 48	34-42	II	6.7	8.6	10.3	1,145
PLPB-48SMPB848		18 x 48	37-45			9.5	9.8	1,200
PLPB-48SMPB548		15 x 48	34-42	III		8.6	10.3	1,165
PLPB-48SMPB848		18 x 48	37-45			9.5	9.8	1,220

Mark 55 Series Push/Pulls

- Handles Chop Mark 55 4-way pallets
- Handles standard Chop, GMA, Europallets, and many others
- Handles slipsheeted loads
- Hydraulically positioned outer platens, fixed inner platens
- ITA Class II or III mounting - easily convertible



Model Number	Capacity lb @ 24"	Platen Size, Inner W x L (in)	Platen Size, Outer W x L (in)	Mounting Class	Lost Load AET (in.)	HCG (in)	VCG (in)	Weight (lb)
PLHB-36SFPC748	3,600	3 x 48	7 x 48	II	6.7	7.5	11.2	1,115
PLHB-48SFPC748	4,800	3 x 48	7 x 48	III	6.7	7.5	10.8	1,145

Note: Requires two (2) auxiliary truck functions. Circuit selector valve included on units as standard. Circuit selector requires electrical power. See Section J Accessories for power cord options.

Recommended Hydraulic Supply

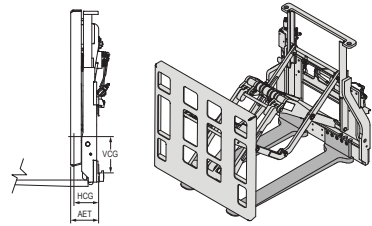
See page G-4.

Minimum Truck Carriage Width

See page G-4.

LPB 36/48 Series Load Push

- Rugged welded steel design
- Easy Class II/III mounting conversion
- Bolt-on options add flexibility
- Linkage mechanism requires no lubrication



Non-Sideshifting Load Push, 1 Function

Model Number	Capacity lb @ 24"	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in.)	HCG (in)	VCG (in)	Weight (lb)
LPB-36NFNON48		N/A	N/A		7.1	4.6	20.9	515
LPB-36NMPA548	3,600	15 x 48	34-42	II	6.7	8.6	11.0	1,020
LPB-36NMPA848		18 x 48	37-45			9.5	10.4	1,070
LPB-48NFNON48		N/A	N/A	III	7.1	4.6	20.9	515
LPB-48NMPB548	4,800	15 x 48	34-42	II	6.7	8.9	10.6	1,050
LPB-48NMPB848		18 x 48	37-45			9.9	10.0	1,110
LPB-48NMPB548		15 x 48	34-42	III		8.9	10.6	1,070
LPB-48NMPB848		18 x 48	37-45			9.9	10.0	1,130

Sideshifting Load Push, 2 Functions

LPB-36SMPA548	3,600	15 x 48	34-42	II	6.7	8.6	11.0	1,030
LPB-36SMPA848		18 x 48	37-45			9.5	10.4	1,080
LPB-48SMPB548	4,800	15 x 48	34-42	II	6.7	8.9	10.6	1,060
LPB-48SMPB848		18 x 48	37-45			9.9	10.0	1,120
LPB-48SMPB548		15 x 48	34-42	III		8.9	10.6	1,080
LPB-48SMPB848		18 x 48	37-45			9.9	10.0	1,140

Optional Mounting Hooks

Model Number	Class	Description
All Models	II	Quick change
All Models	III	Quick change

For mounting other than shown, consult factory.

Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-6-D-30	2
YHJL-8-D-30	

Recommended Hydraulic Supply

Model Number	Min	Max	Rec – Max psi
5,500/Class II	8	10	2,200–3,000
10,000/Class III	8	10	2,200–3,000

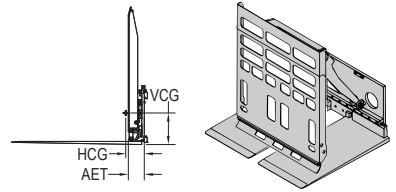
Hydraulic flow less than minimum will reduce operating speed and cause irregular operation. Higher flows may result in heat build up, erratic operation and damage to the unit. Consult factory for recommended flow control valve and available tank line kits.

Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
PLPB/PLHB/LPB	40

PLP 500/60/62/80 Series Push/Pulls

- Designed for reliability and performance
- Constant push plate alignment
- High visibility design
- Fully tapered and polished platens



PLP 500/62/80 Push/Pulls, Non-Sideshifting, 1 Function

Model Number	Capacity lb @ 24"	Push Stroke (in)	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
PLP500FFP7A	5,000	50	15 x 48	34	II	7.9	7.9	12.1	1,535
PLP500FFP3A			18 x 48	40			8.5	11.8	1,605
PLP500FFP11B			15 x 48	34			8.4	16.6	1,675
PLP500FFP4B	5,000	50	18 x 48	40	III	8.1	9.0	16.3	1,760
PLP60FFP19B			15 x 48	34			8.4	16.7	1,725
PLP60FFP2B			18 x 48	40			9.0	16.4	1,825
PLP62RFP20A	5,000	62 ¹	15 x 60	34	II	7.9	9.1	13.9	2,105
PLP62RFP11A			18 x 60	40			9.8	13.6	2,205
PLP80RFP20B			15 x 60	34			9.4	14	2,155
PLP80RFP11B	6,000	62 ¹	18 x 60	40	III	8.1	10.0	13.7	2,255
PLP80LSRFP21B			15 x 70	34			12.2	14.4	2,475
PLP80LSRFP22B			18 x 70	40			12.8	14.1	2,600

PLPS 500/62/80 Push/Pulls, Sideshifting, 2 Functions

PLPS500FFP7A	5,000	50	15 x 48	34	II	7.9	7.7	12.2	1,580
PLPS500FFP3A			18 x 48	40			8.4	11.9	1,655
PLPS500FFP11B			15 x 48	34			8.2	12	1,710
PLPS500FFP4B	5,000	50	18 x 48	40	III	8.1	8.9	11.7	1,795
PLPS60FFP19B			15 x 48	34			8.2	16.5	1,750
PLPS60FFP2B			18 x 48	40			8.9	16.2	1,850
PLPS62RFP20A	5,000	62 ¹	15 x 60	34	II	7.9	9.2	14	2,130
PLPS62RFP11A			18 x 60	40			9.8	13.7	2,230
PLPS80RFP20B			15 x 60	34			9.4	14.1	2,205
PLPS80RFP11B	6,000	62 ¹	18 x 60	40	III	8.1	10.0	13.8	2,305
PLPS80LSRFP2B			15 x 70	34			12.2	14.2	2,475
PLPS80LSRFP22B			18 x 70	40			12.5	13.9	2,650

¹ Non-tilting push plate standard.

Lower Mounting Hooks

	Style	Class	Description
Non-sideshifting	II	—	Bolt-on
			Quick change
	III	—	Bolt-on
			Quick change
Sideshifting	II	—	Bolt-on
			Quick change ²
	III	—	Bolt-on
			Quick change

² Includes sub-carriage.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All models	9-12	2,250

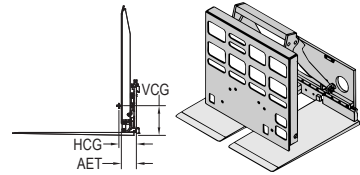
Hydraulic flow less than minimum may reduce operating speed and/or cause irregular arm movement. Higher flow may result in heat build-up, erratic operation and shortened hydraulic system life.

Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
PLP500/PLPS500/PLP60/ PLPS60/PLP62/PLPS62	32/39
PLP80/PLPS80	37/39

LP 500/60/62/80 Series Load Push

- Designed for reliability and performance
- Constant push plate alignment
- High operator visibility
- All models include platens and rigid push plate



LP Series Load Push, Non-Sidshifting, 1 Function

Model Number	Capacity lb @ 24"	Push Stroke (in)	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LP50RFP7A	5,000	50	15 x 48	34	II	7.9	7.7	11.9	1,430
LP50RFP3A			18 x 48	40			8.3	11.6	1,500
LP50RFP11B	5,000	50	15 x 48	34	III	8.1	8.2	11.8	1,570
LP50RFP4B			18 x 48	40			8.9	11.5	1,655
LP60RFP19B	6,000	50	15 x 48	34	III	8.1	8.2	11.8	1,650
LP60RFP2B			18 x 48	40			8.9	11.5	1,750
LP14C	14,000	50	Consult factory for specifications and price						
LP62RFP20A	5,000	62	15 x 60	34	II	7.9	9.0	13.7	2,000
LP62RFP11A			18 x 60	40			9.6	13.4	2,100
LP80RFP20B	6,000	62	15 x 60	34	III	8.1	9.2	13.8	2,050
LP80RFP11B			18 x 60	40			9.9	13.5	2,150
LP80LSRFP2B	6,000	72	15 x 70	34	III	8.1	12.0	14.6	2,425
LP80LSRFP22B			18 x 70	40			12.3	14.2	2,550

LP Series Load Push, Sidshifting, 2 Functions

Model Number	Capacity lb @ 24"	Push Stroke (in)	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LPS50RFP7A	5,000	50	15 x 48	34	II	7.9	7.5	11.9	1,480
LPS50RFP3A			18 x 48	40			8.1	11.7	1,550
LPS50RFP11B	5,000	50	15 x 48	34	III	8.1	8.2	11.8	1,595
LPS50RFP4B			18 x 48	40			8.8	11.4	1,680
LPS60RFP19B	6,000	50	15 x 48	34	III	8.1	8.2	11.8	1,700
LPS60RFP2B			18 x 48	40			8.9	11.5	1,800
LPS14C	14,000	50	Consult factory for specifications and price						
LPS62RFP20A	5,000	62	15 x 60	34	II	7.9	9.0	13.8	2,050
LPS62RFP11A			18 x 60	40			9.6	13.5	2,150
LPS80RFP20B	6,000	62	15 x 60	34	III	8.1	9.2	13.9	2,100
LPS80RFP11B			18 x 60	40			9.9	13.6	2,200
LPS80LSRFP21B	6,000	72	15 x 70	34	III	8.1	12.0	14.6	2,475
LPS80LSRFP22B			18 x 70	40			12.3	14.2	2,600

Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-6-D-30	
YHJL-8-D-30	2

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All models	9-12	2,250

Hydraulic flow less than minimum may reduce operating speed and/or cause irregular arm movement. Higher flow may result in heat build-up, erratic operation and shortened hydraulic system life.

Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
LP500/LPS500	32/39
LP14/LPS14	Consult Factory
LP62/LPS62	32/39
LP80/LPS80	37/39