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### Components

- 1 Trolley buffer
- 2 Round trailing cable power supply line:
- 3 Lockable mains connection switch
- 4 CEE connector
- 5 Type, capacity plate
- 6 Safety marking
- 7 4 Polyamide swivel castor wheels
- 8 2 x direction locks
- 9 4 x wheel brake
- 10 Legs
- 11 Portal girder
- 12 Hoist including trolley

- Fb = flange width  
 GH = Weight of load to be lifted  
 h = Overall height  
 H = Hook path  
 H0 = Lower edge of portal girder  
 lan1 = Approach dimension  
 lan2 = Approach dimension  
 LB = Clear width  
 LHT = Length of portal girder  
 LKr = Crane span dimension  
 LR = Wheel base  
 LT = Width of leg travel carriage

Other structural dimensions on request!  
 This is a general sketch. Scope of supply see quotation or order acknowledgement. Technical modifications reserved.

### Design features of the Demag D-IVP I-beam full portal crane (Standard)

- Cranes designed for easy handling and indoor operation
- Classification lifting class **H2**, loading group **B2**, lifting speed  $v_H \leq 16$  m/min
- The clamped connection between the crane girder and the legs allows to infinitely adjust the span.
- Power supply by means of round trailing cable
- Colour: Legs and portal girder in RAL 5015, sky blue
- Standard hook path of hoist: 3m



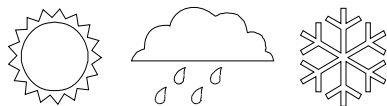
**A prerequisite for proper functioning and safety against tilting is a solid, even floor surface at equal level so that the swivel castor wheels can move easily.**

SWL <sup>1)</sup>	Single-girder full portal crane	Clear width	Overall height	Lower edge of portal girder	Wheel base for H0 £ 3000	Width of leg travel carriage	Hook path
GH [kg]	D-IVP	LB [mm]	h [mm]	H0 <sup>3)</sup> [mm]	LR [mm]	LT [mm]	H <sup>2)</sup> [mm]
<b>250 (40)</b>	2,5 - 3,0	3000	3172	3000	1500 (2000) <sup>4)</sup>	1650 (2150) <sup>4)</sup>	2575
	2,5 - 4,0	4000					
	2,5 - 5,0	5000	3212				
	2,5 - 6,0	6000					
<b>500 (55)</b>	5 - 3,0	3000	3212	3000	1500 (2000) <sup>4)</sup>	1650 (2150) <sup>4)</sup>	2540
	5 - 4,0	4000					
	5 - 5,0	5000	3232				
	5 - 6,0	6000					
<b>800 (40)</b>	8 - 3,0	3000	3232	3000	1500 (2000) <sup>4)</sup>	1650 (2150) <sup>4)</sup>	2550
	8 - 4,0	4000					
	8 - 5,0	5000	3252				
	8 - 6,0	6000					
<b>1000 (90)</b>	10 - 3,0	3000	3232	3000	1500 (2000) <sup>4)</sup>	1650 (2150) <sup>4)</sup>	2500
	10 - 4,0	4000	3252				
	10 - 5,0	5000	3292				
	10 - 6,0	6000					
<b>1600 (150)</b>	16 - 3,0	3000	3295	3000	2000 (2500) <sup>4)</sup>	2150 (2650) <sup>4)</sup>	2385
	16 - 4,0	4000					
	16 - 5,0	5000	3355				
	16 - 6,0	6000	3415				
<b>2000 (180)</b>	20 - 3,0	3000		3000	2000 (2500) <sup>4)</sup>	2150 (2650) <sup>4)</sup>	2385
	20 - 4,0	4000	3355				
	20 - 5,0	5000					
	20 - 6,0	6000	3415				
<b>2500 (225)</b>	25 - 3,0	3000	3355	3000	2000 (2500) <sup>4)</sup>	2250 (2750) <sup>4)</sup>	2385
	25 - 4,0	4000					
	25 - 5,0	5000	3415				
	25 - 6,0	6000					
<b>3200 (225)</b>	32 - 3,0	3000		3000	2000 (2500) <sup>4)</sup>	2250 (2750) <sup>4)</sup>	2310
	32 - 4,0	4000	3415				
	32 - 5,0	5000					
	32 - 6,0	6000	3455				

- 1) Values in ( ) = max. trolley weight
- 2) with lower edge of portal girder H0 = 3m
- 3) with lower edge of portal girder H0 max. = 4m
- 4) Wheel base / width of leg travel carriage for lower edge of portal girder 3000 < H0 ≤ 4000

**Order example:**  
 Single-girder full portal crane  
 D-IVP 16-5,0  
 with Demag trolley  
 EUDKUN 10-800 KV1 2/1 F4

**Available upon request:**  
 Rack-and-pinion jack with safety socket pin for easy and fast height adjustment.



**Outdoor operation**

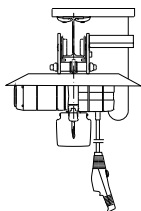
requires:

- special sealings
- special cables
- canopy for hoist

Tropicalized type, special ambient conditions and others on request

**Weather protection basic package** for outdoor installation  
 (weather -resistant power supply cable etc.)

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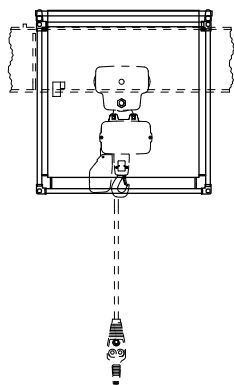


**Small canopy (on-board)**

Canopy fitted on the hoist to protect it and, if existing, the electric travel carriage against vertically acting weather effects. Recommended as minimum protection with medium climatic conditions, in order to ensure reliable crane operation.

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Length of main girder	Crane span dimension	Flange width	Hoists	Travel carriage size	Approach dimensions	Weight incl. hoist
LHT [mm]	LKr [mm]	Fb [mm]	(FEM)		lan1, lan2 [mm]	[kg]
3445	3105	64	RU DKUN 1-125 KV1 2/1 F4 (2m)	RU 3 DK	260	226
4445	4105					237
5445	5105					277
6445	6105					293
3445	3105	82	RU DKUN 2-250 KV1 2/1 F4 (2m)	RU 6 DK	300	262
4445	4105					278
5445	5105					310
6445	6105	91				329
3510	3140	91	RU DKUN 2-400 KV1 2/1 F4 (1Cm)	RU 11 DK	360	322
4510	4140					342
5510	5140	100				380
6510	6140		385			
3510	3140	91	RU DKUN 5-500 KV1 2/1 F4 (1Am)	RU 11 DK	360	347
4510	4140	100				383
5510	5140	120				451
6510	6140					482
3690	3160	120	EU DKUN 10-800 KV1 2/1 F4 (2m)	EU 22 DK	450	589
4690	4160					620
5690	5160					150
6690	6160	170				858
3690	3160	150	EU DKUN 10-1000 KV1 2/1 F4 (1Am)	EU 22 DK	450	622
4690	4160					664
5690	5160					706
6690	6160					858
3770	3200	150	EU DKUN 10-1250 KV1 2/1 F4 (1Bm)	EU 22 DK	450	783
4770	4200	170				896
5770	5200					953
6770	6200	1006				
3770	3200	170	EUDKUN 16- 1600KV1 2/1 F4 (1Bm)	EU 36 DK	500	885
4770	4200					942
5770	5200					1052
6770	6200					1118



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### Canopy (fixed)

Canopy fitted on the crane girder for protecting the hoist unit in the parking position. It protects the hoist unit and travel carriage against vertically and laterally acting weather effects in the so-called parking position. It is particularly recommended to ensure long-term reliable crane operation even at longer downtimes, e.g. during the winter.

Complete assembly kit.

### Further accessories

- Special paint finish
- Hot-dip galvanizing
- Special documentation
- Documentation in foreign languages
- Contactor control system
- Radio remote control
- Manually operated trolleys with lifting tackle
- Steel travel wheels for floor or rails
- Height adjustment

Please contact us.

**The current addresses of our sales offices, subsidiaries and agencies worldwide can be found on the homepage  
[www.demagcranes.com](http://www.demagcranes.com)**

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