

# HYVA CYLINDER

714 06 537



type: UMB 169-5-1880-K265-50-3/4"-HC

tipping weight: 18-28 ton

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Stage diameters <b>169</b> <b>149</b> <b>129</b> <b>110</b> <b>91</b>	front view cylinder		A 230 ØC 192 G¹ 612 I 347 K¹ 265 M¹ 107 ØP 110 ØQ 75 S 360 ØW 50 X 45
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<sup>1</sup>including 20 mm pull-out [tol. -5; +30 mm]

## specifications

total stroke <sup>1</sup>	1880 mm
dry weight cylinder only	96 kg
total volume	28.1 L
working volume	25.9 L
maximum pressure	220 bar
maximum pump flow	98 l/min
maximum allowable thrust first stage <sup>3</sup>	25.0 ton
oil inlet	3/4" BSP

## technical notes

This cylinder is a lifting device only and may not be used as a structural member or be subjected to side load. Side load and/or poor alignment might result in cylinder leakage. Hyva therefore strongly recommends the use of a cradle, even in instances where the cylinder only tips to the rear or to the side. The cylinder is painted black RAL9005. For suitable hydraulic oils, please refer to data sheet OIL-0002. For details of available brackets and cradles, please refer to data sheet 015BRA06.

Detailed calculations can be made using the HYVA Tipper Program, freely available from [www.hyva.com](http://www.hyva.com).

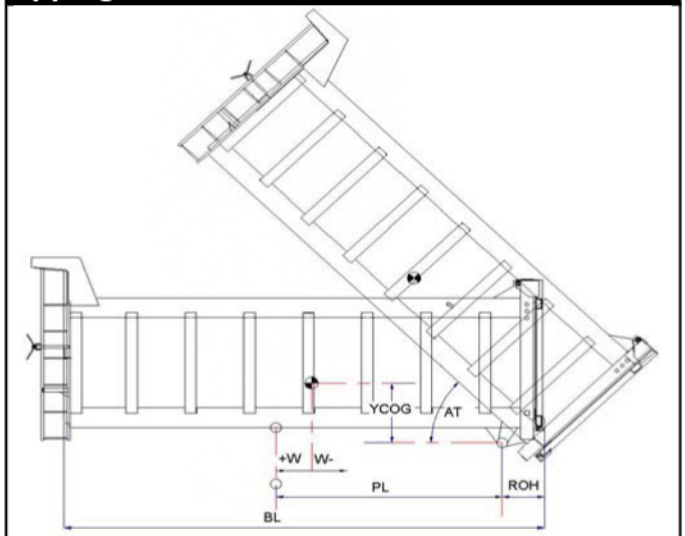
<sup>3</sup>The cylinder thrust on the first stage (from the HYVA Tipper Program) must not exceed the maximum allowable (see specifications above).

## spare parts

seal kit :	719 04 650K
oil inlet swivel adapter <sup>2</sup>	3/4" : 731 03 002

<sup>2</sup>cylinder is delivered including oil inlet swivel adapter and cup

## tipping view



## tipping weight

AT	46			deg	52		
PL	2450			mm	2170		
YCOG	700			mm	700		
ROH	700			mm	700		
BL	7000	6300	5730	mm	6380	5740	5220
CYL w.r.t. COG (W)	-350	0	290	mm	-320	0	260
	Tipping weight for full stroke of 46°				Tipping weight for full stroke of 52°		
Tipping weight	18	22	26	ton	20	24	28
	Tipping weight for second last stage, up to 37°				Tipping weight for 2nd last stage, up to 42°		
Tipping weight	22	25	28	ton	22	25	28

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