



1.5 Manufacturer's address and name plate

# Windmüller & Hölscher

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**WINDMÖLLER & HÖLSCHER**  
Postfach 1660 – 49516 Lengerich

<b>Masch. – Typ</b>	8350
<b>Equip. – Nr.</b>	50.050
<b>Baujahr</b>	2002

Made In Germany



## 1.6 Intended use

The machine is designed for the printing of diverse packaging materials by the flexographic printing process.

 As for the materials that can be handled, please refer to item "Technical Specifications".

The printing press is equipped with up to 10 color decks.

Ink application is effected by means of doctor blade units featuring closed ink chambers.

Special drying systems are provided between the individual color decks ensuring rapid drying of the ink.

Plate cylinder and anilox roll may be of a sleeve type to allow for rapid job changeover.



**The machine/plant is designed exclusively for the printing of various materials by the flexographic printing process. Using the machine/plant for purposes other than those mentioned above (such as for the printing of materials by other printing techniques, is considered contrary to its designated use. The manufacturer/supplier cannot be held liable for any damage resulting from such use. The risk of such misuse lies entirely with the user.**

**Operating the machine within the limits of its designated use also involves observing the instructions set out in the operating manual and complying with the inspection and maintenance directives. (VDMA-1.2.3)**



**The machine/plant must only be used in technically perfect condition in accordance with its designated use and the instructions set out in the operating manual, and only by safety-conscious persons who are fully aware of the risks involved in operating the machine/plant. Any functional disorders, especially those affecting the safety of the machine/plant, should therefore be rectified immediately. (VDMA-1.2.2)**



**The machine/plant has been built in accordance with state-of-the-art standards and the recognized safety rules. Nevertheless, its use may constitute a risk to life and limb of the user or of third parties, or cause damage to the machine and to other material property. (VDMA-1.2.1)**



**The materials being printed as well as all other materials involved in the printing process should come up to commercial standards in order to safeguard both the operating personnel and the equipment against damages and to ensure a good product quality.**

**The user is invited to make sure that the machine manufacturers' recommendations are taken into account.**





## 1.7 Technical data

<b>Required space</b>			
Length	see installation drawing		
Width			
Height			
<b>General data (not depending on machine type)</b>			
Mechanical machine speed	max.	m/min	460
<b>Data depending on machine type</b>			
Web width	max.	mm	1320
Print width (without sleeve technology)	max.	mm	1270
Print repeat range		mm	300–813
<b>Winder specifications</b>			
Roll diameter at the unwind	max	mm	1000
Roll diameter at the rewind	max.	mm	1000
Core inner diameter		mm	70 / 76
Core outer diameter		mm	85
Roll weight	max.	kg	1240
<b>Web tension ranges</b>			
Unwind with draw	min.	N	25
	max.	N	350
Rewind without longitudinal slitter	min.	N	25
	max.	N	350
Rewind without longitudinal slitter	min.	N	40
	max.	N	350
Draw	min.	N	25
	max.	N	450



<b>Utilities</b>			
Installed load, not including temperature control unit provided by customer		KVA	240
Compressed air requirement (required pressure 6 bar, without sleeve changes)	approx.	m <sup>3</sup> /h	1
Additional air volume required when changing sleeves (max. 3 min.)	approx.	m <sup>3</sup> /h	1.5
Additional air volume required when using TURBOCLEAN	approx.	m <sup>3</sup> /h	330
(The indicated volumes refer to 0°C and 101.325 kPA (standard)).			
Cooling water requirement for temperature control unit	max.	m <sup>3</sup> /h	2.0
Cooling water pressure, inlet		bar	4
Cooling water pressure, outlet		bar	2
Cooling water requirement for chill roll (per roll)	approx.	m <sup>3</sup> /h	1.5
Cooling water pressure		bar	4
Cooling water inlet temperature	approx.	° C	14
<b>Materials to be printed</b>			
LDPE, PP, PA		µm	20–150
HDPE, OPP		µm	12–100
HDPE, OPP		µm	max.150
Paper		g/m <sup>2</sup>	30–120
<b>Drying system</b>			
Recirculating air – Inter–color drying	max.	m <sup>3</sup> /h	5,900
Recirculating air – tunnel	max.	m <sup>3</sup> /h	8,640
Exhaust air – (increased solvent concentration)	max.	m <sup>3</sup> /h	11,180
Exhaust air temperature	approx.	° C	63
Fresh air – inter–color drying	min. approx. max. approx.	m <sup>3</sup> /h m <sup>3</sup> /h	2,340 5,940
Fresh air – tunnel	max. approx.	m <sup>3</sup> /h	2,160
Fresh air – drying hood	max. approx.	m <sup>3</sup> /h	1,650
Fresh air temperature	approx.	° C	20
Heating capacity – inter–color drying (at max. supplied / fresh air and max. temperature)	approx.	KJ/h	360,000
Heating capacity – tunnel (at max. supplied / fresh air and max. temperature)	approx.	KJ/h	360,000
Nozzle air temperature – inter–color drying	max	° C	100
Nozzle air temperature – tunnel	max	° C	120



**Details of sound pressure level** (Max. machine speed 460 m/min)

Sound pressure level	max. dB (A)	
Determined in free field measurement per DIN 45.635, parts 1 and 27 and Euro standard prEN 13023. This guarantee of noise level does not apply, if additional components are incorporated into the machine, and that these are not part of the W&H supply.		as per EN standard

